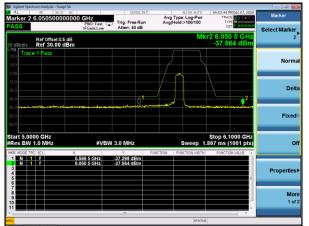
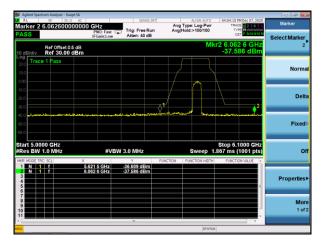


5.745~5.825 GHz

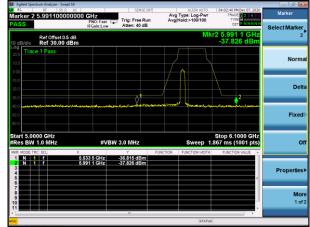
(802.11n40) Band Edge, Left Side



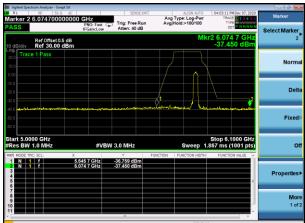
(802.11n40) Band Edge, Right Side



(802.11ac20) Band Edge, Left Side



(802.11ac20) Band Edge, Right Side

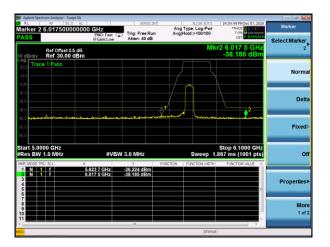


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5.745~5.825 GHz

(802.11ac40) Band Edge, Left Side



(802.11ac40) Band Edge, Right Side

RL RF 50 Ω AC larker 2 6.0406000000 ASS		Trig: Free Run Atten: 40 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	04:05:22 PM Dec 07, 2020 TRACE 2 3 4 5 6 TYPE DET PNNNNN	Marker Select Marke
Ref Offset 0.5 dB 0 dB/div Ref 30.00 dBn	n		Mki	2	
Trace 1 Pass					Norm
0.0				2	Dei
0.0	Carlophian an an Antonio	and a second		and and the second s	Fixed
tart 5.0000 GHz Res BW 1.0 MHz	#VBV	V 3.0 MHz	Sweep 1.	٥	
	× 5.597 3 GHz 6.040 6 GHz	Y FU -36.119 dBm -38.135 dBm	ICTION FUNCTION WIDTH	FUNCTION VALUE	
	0.040 0 GHZ	-58, 135 dBm			Properties
6					
					Moi 1 of



12. SPURIOUS RF CONDUCTED EMISSIONS

12.1 Block Diagram Of Test Setup



12.2 Limit

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, 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(i) 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 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.

12.3 Test procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect

its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.

3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.

4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

5. Repeat above procedures until all measured frequencies were complete.





12.4 Test Result

Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.

About:26.5GHz-40GHz, The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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Mkr→C

kr→RefL

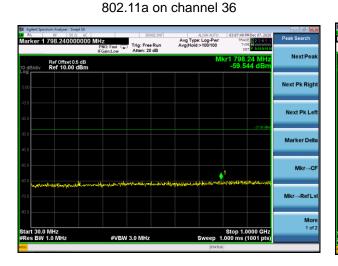
Stop 1.0000 GH ep 1.000 ms (1001 pt

Mor 1 of 3

5.1G

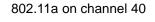
Test Plot

30.0 MHz BW 1.0 M



802.11a on channel 36

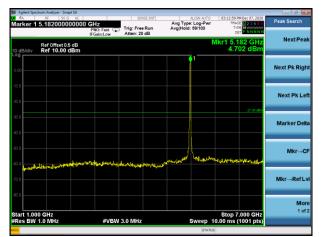
Aug Type: Log-Pw Avg|Hold:>100/100 Peak Sear 0 MHz Trig: Free Run NextPe Ref Offset 0.5 dB Ref 10.00 dBm Next Pk Rig Next Pk Le Marker Del

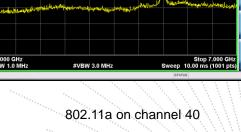


802.11a on channel 40

#VBW 3.0 MH;







er 1 25.642000 Deak Sea Avg Type: Log-Pv Avg Hold: 29/100 00000 GHz Trig: Free Ru NextPe Ref Offset 0.5 dB Ref 10.00 dBm 5.642 0 -43.841 c Next Pk Rig Next Pk Le Marker De 7.000 GHz BW 1.0 M Stop 26.500 GHz

802.11a on channel 36

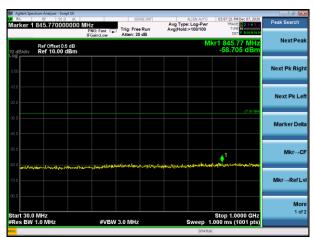


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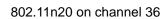
Test Plot

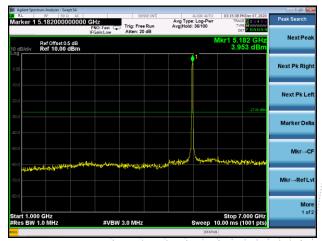


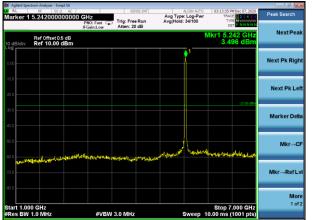
802.11a on channel 48



802.11n20 on channel 36





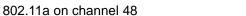


802.11a on channel 48



#VBW 3.0 MHz

802.11n20 on channel 36



Bit Ref 01
Statute for the statute fo

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00 GHz

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Stop 26.500 Sweep 48.80 ms (1001 kr→RefL

More 1 of:

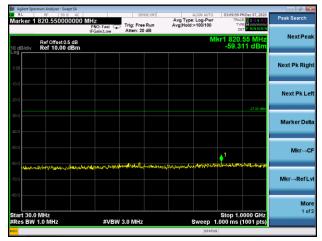


Test Plot



802.11n20 on channel 40

802.11n20 on channel 40

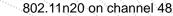


802.11n20 on channel 48

802.11n20 on channel 48









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802.11n20 on channel 40



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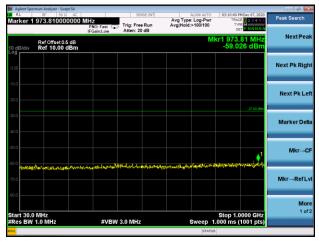


Test Plot

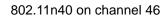


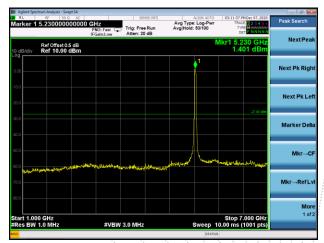
802.11n40 on channel 38

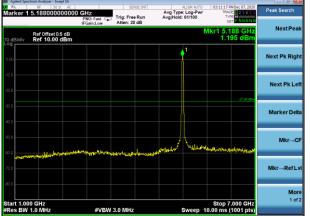
802.11n40 on channel 38



802.11n40 on channel 46







802.11n40 on channel 38



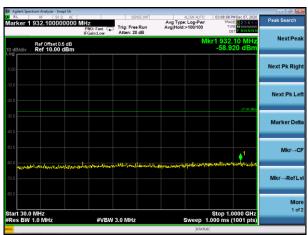
802.11n40 on channel 46



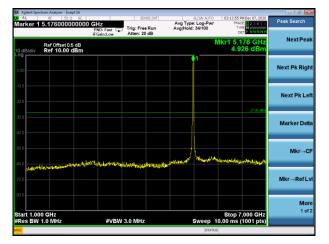
No. : BCTC/RF-EMC-005

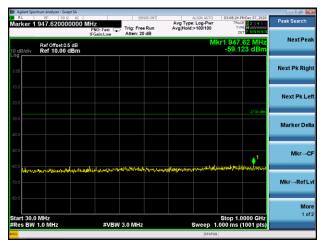


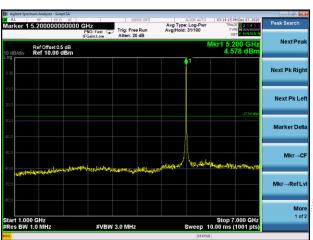
Test Plot



802.11ac20 on channel 36







802.11ac20 on channel 40

802.11ac20 on channel 40





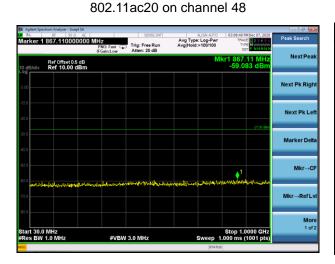
802.11ac20 on channel 36

802.11ac20 on channel 36

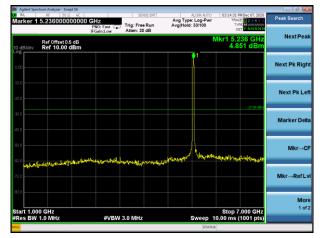
802.11ac20 on channel 40



Test Plot

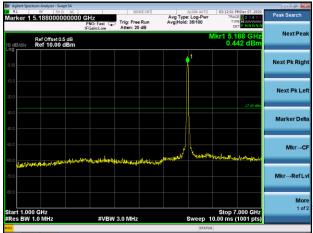


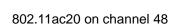
802.11ac20 on channel 48



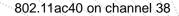


802.11ac40 on channel 38









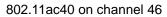


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802.11ac40 on channel 38

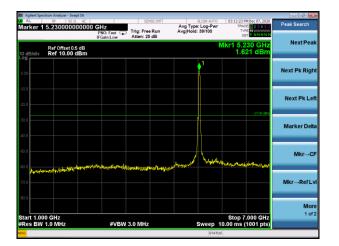


Test Plot



Peak Search	PM Dec 07, 2020		ALIGN AUTO		NSE:INT	SE			RF 5	RL
Next Peak	CE 1 2 3 4 5 6 PE MWWWWWW ET P NNNNN	TRA TY D	:>100/100	Avg Typ Avg Hold		Trig: Free Atten: 20	NO: Fast Gain:Low		823.4600	arker 1
	.46 MHz 63 dBm	lkr1 823 -59.0	Μ					0.5 dB 0 dBm	Ref Offset Ref 10.0	dB/div
Next Pk Rig										
Next Pk Le										1.0
Marker De	-27.00 dBm									
Mkr→C		↓ ¹								.0
Mkr⊸RefL	unan den en e	ileadini suideta	etali-t-lat	h bras io-tosh	nyu,liftebula	-si n stan	Yw Ywene a han yw	lifleron, MPAR	Minut lances	1.0 aH
Mo 1 of	0000 GHz	Stop 1							MHz	art 30.0
	(1001 pts)	1.000 ms	Sweep			3.0 MHz	#VBW		1.0 MHz	

802.11 ac40 on channel 46



802.11 ac40 on channel 46

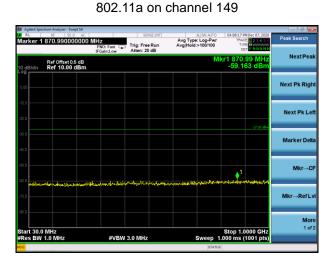


No.: BCTC/RF-EMC-005



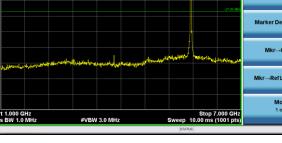
5.8G

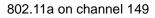
Test Plot



802.11a on channel 149











802.11a on channel 157



802.11a on channel 157



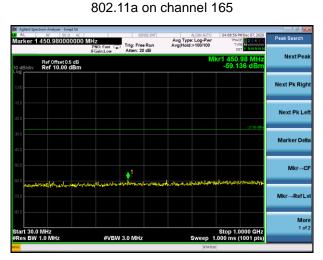
No.: BCTC/RF-EMC-005

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802.11a on channel 157

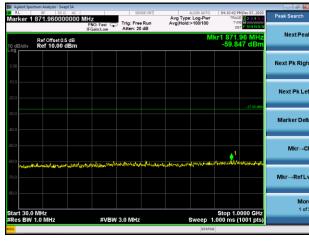


Test Plot



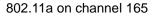
802.11a on channel 165



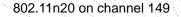


802.11n20 on channel 149











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802.11n20 on channel 149