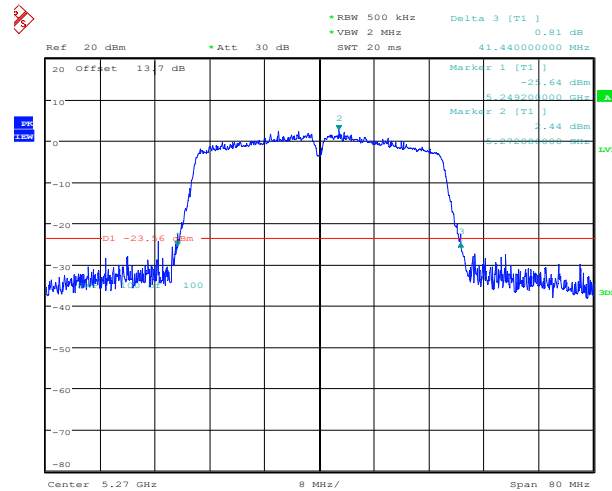
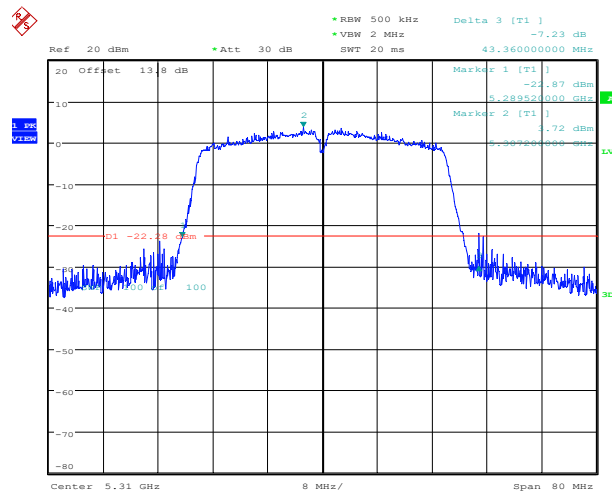


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11AC40SISO_Ant1_5310

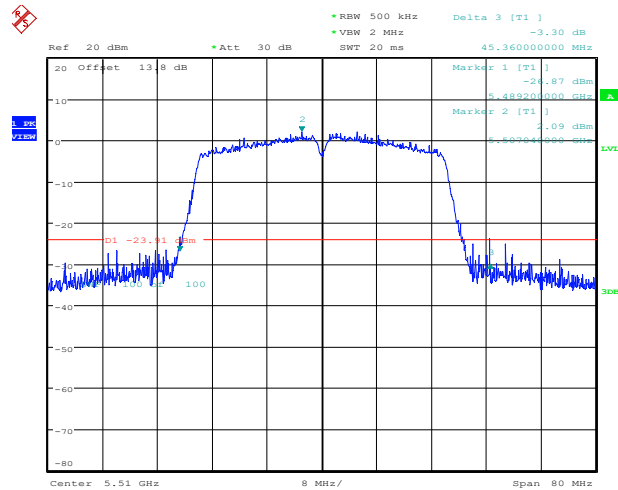


11AC40SISO_Ant1_5510

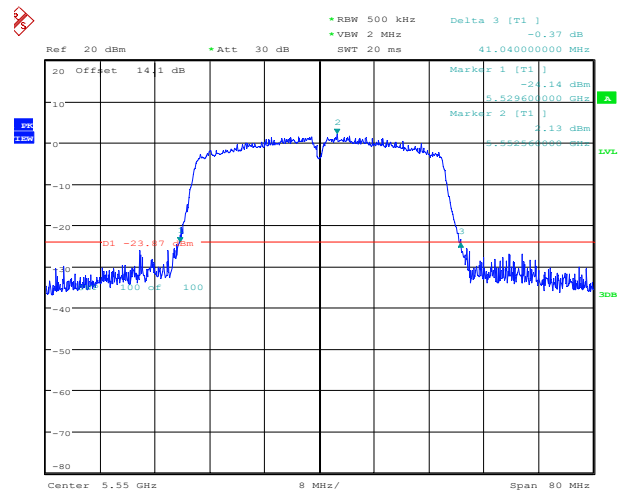
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11AC40SISO_Ant1_5550

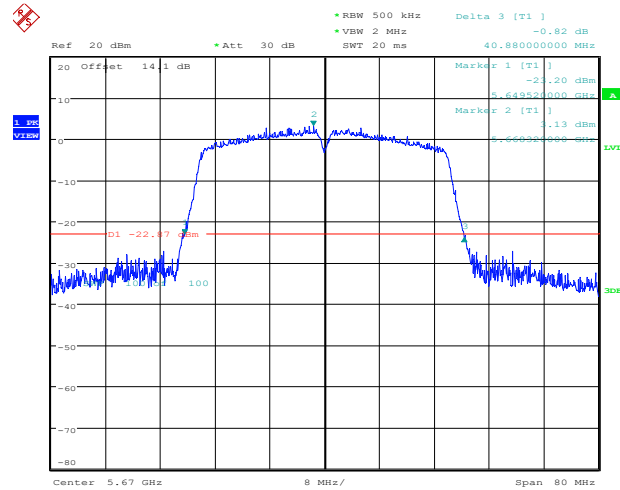


11AC40SISO_Ant1_5670

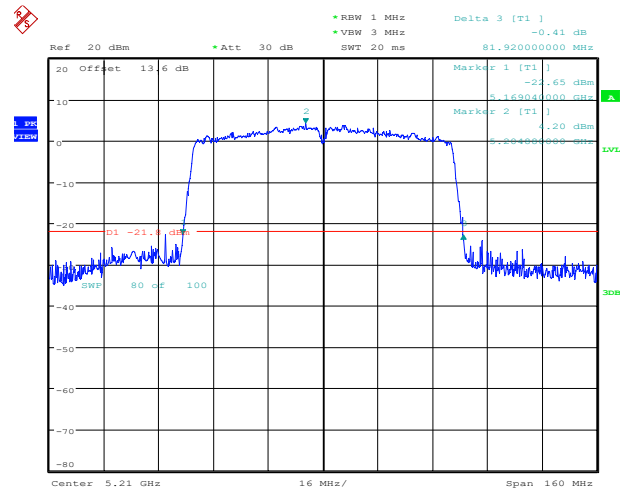
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11AC80SISO_Ant1_5210

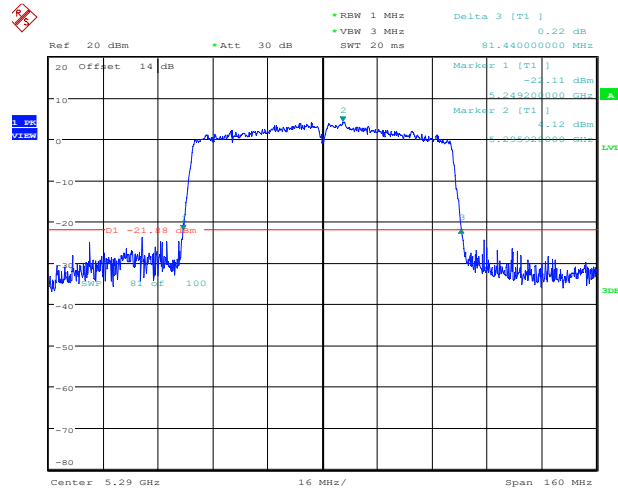


11AC80SISO_Ant1_5290

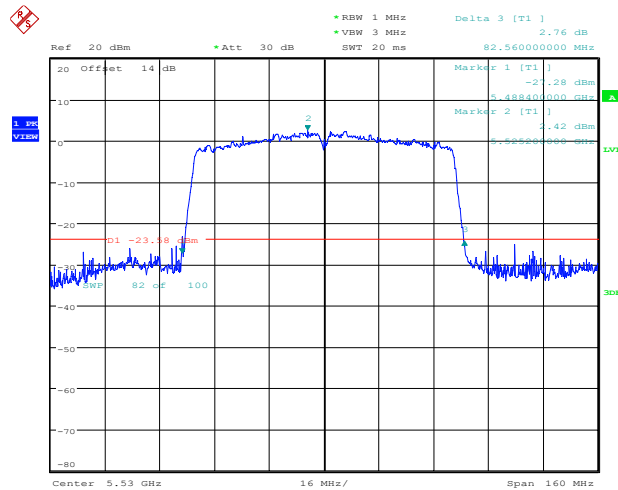
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11AC80SISO_Ant1_5530

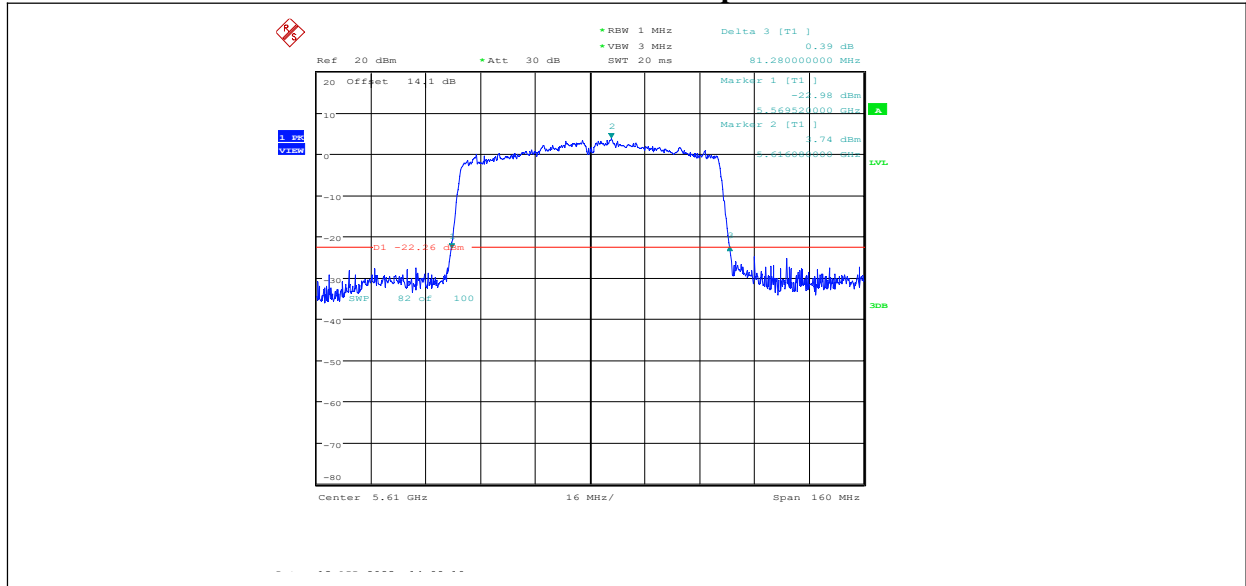


11AC80SISO_Ant1_5610

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6.7 Band Edges Compliance

Specifications:	FCC 47 CFR Part 15.407(b)
DUT Serial Number:	S4,S8,S9
Test conditions:	Ambient Temperature:20°C Relative Humidity:40% Air pressure: 90kPa
Test Results:	Pass

Band Edges – conducted

Measurement Limit and Method

Standard	Limit(dBm/MHz)
FCC 47 CFR Part 15.407(b)(1)	< -27

Note:The test doesn't add the antenna gain to the test plots.

Measurement Uncertainty:

Measurement Uncertainty	±0.8 dB
-------------------------	---------

The measurement method is made according to KDB 789033 G(2)

- For all measurements, follow the requirements in II.G.3. “General Requirements for Unwanted Emissions Measurements.”
- At frequencies below 1000 MHz, use the procedure described in II.G.4. “Procedure for Unwanted Emissions Measurements Below 1000 MHz.”
- At frequencies above 1000 MHz, use the procedure for maximum emissions described in II.G.5., “Procedure for Unwanted Emissions Measurements Above 1000 MHz.”

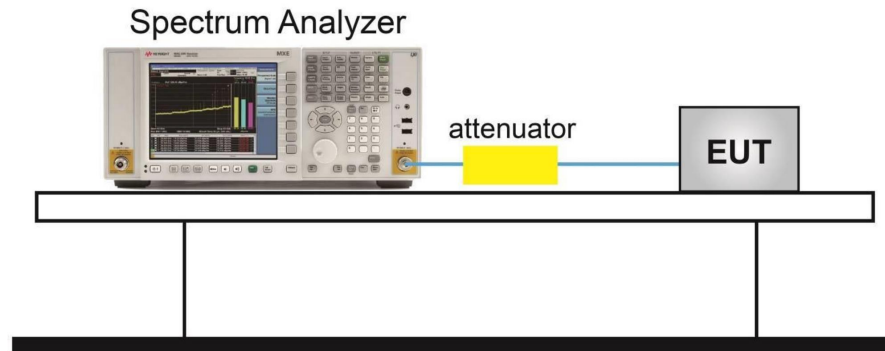
(i) Sections 15.407(b)(1) to (b)(3) specify the unwanted emission limits for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.

6.5.1.2 Test Setup

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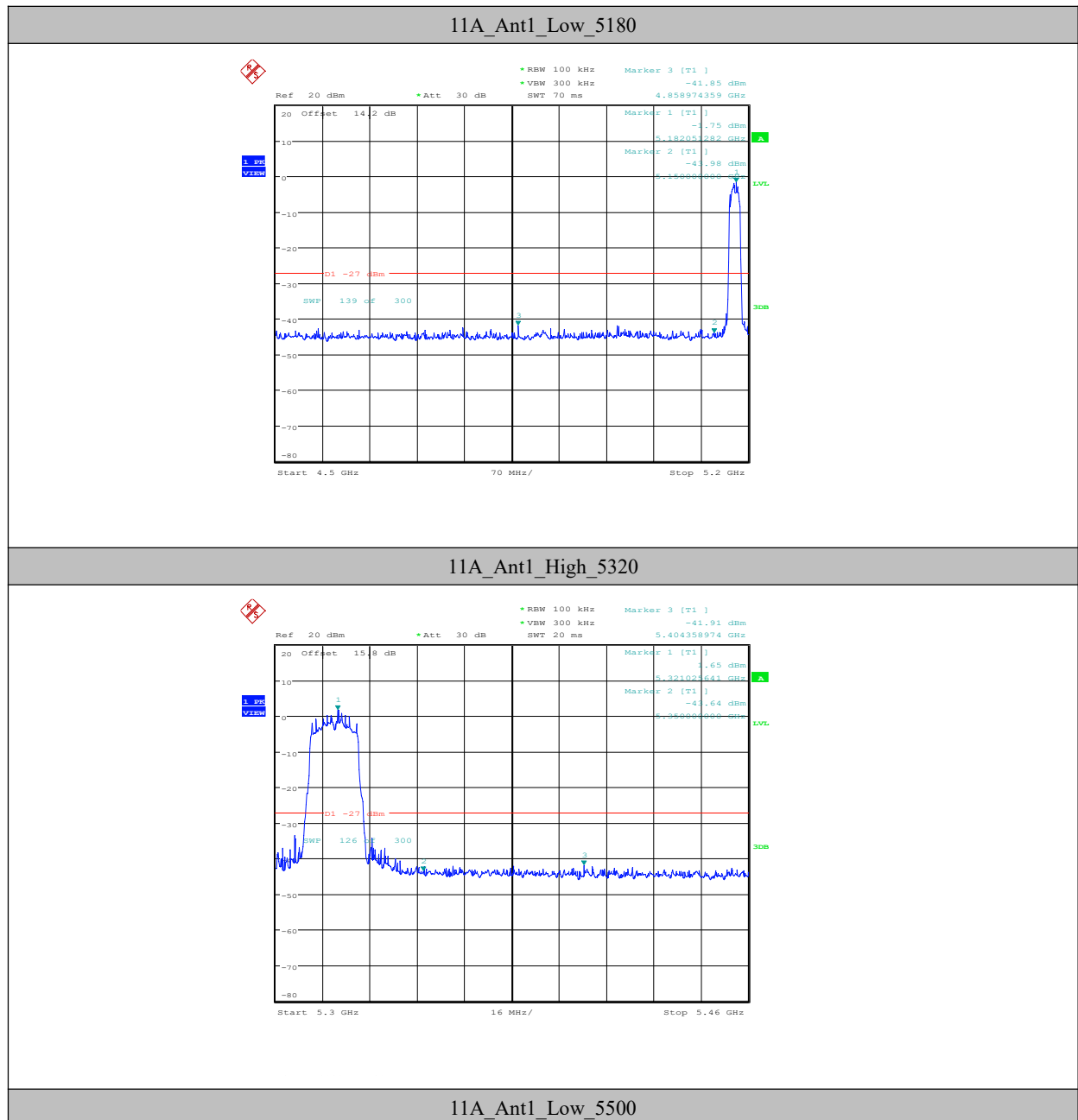
6.5.1.3 Test Result

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-41.85	≤ -27	PASS
		High	5320	-41.91	≤ -27	PASS
		Low	5500	-41.47	≤ -27	PASS
		High	5700	-40.58	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-40.83	≤ -27	PASS
		High	5320	-41.14	≤ -27	PASS
		Low	5500	-41.49	≤ -27	PASS
		High	5700	-40.92	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-39.43	≤ -27	PASS
		High	5310	-38.25	≤ -27	PASS
		Low	5510	-39.49	≤ -27	PASS
		High	5670	-41.47	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-41.27	≤ -27	PASS
		High	5320	-41.86	≤ -27	PASS
		Low	5500	-40.77	≤ -27	PASS
		High	5700	-40.78	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-40.78	≤ -27	PASS
		High	5310	-41.49	≤ -27	PASS
		Low	5510	-39.98	≤ -27	PASS
		High	5670	-41.53	≤ -27	PASS
11AC80SISO	Ant1	Low	5210	-39.53	≤ -27	PASS
		High	5290	-40.22	≤ -27	PASS
		Low	5530	-37.66	≤ -27	PASS
		High	5610	-41.23	≤ -27	PASS

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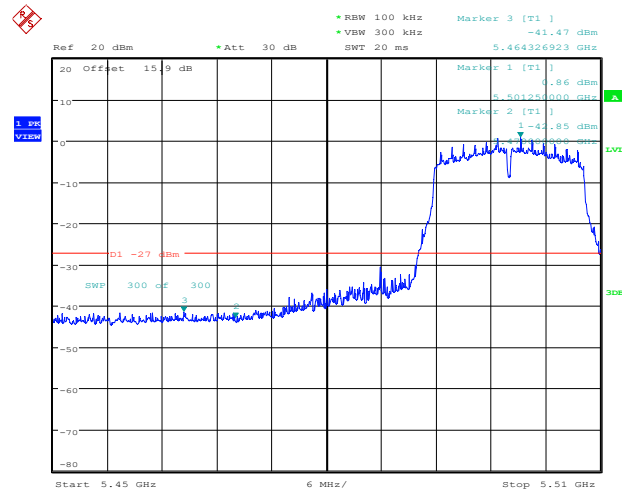
Test Graphs



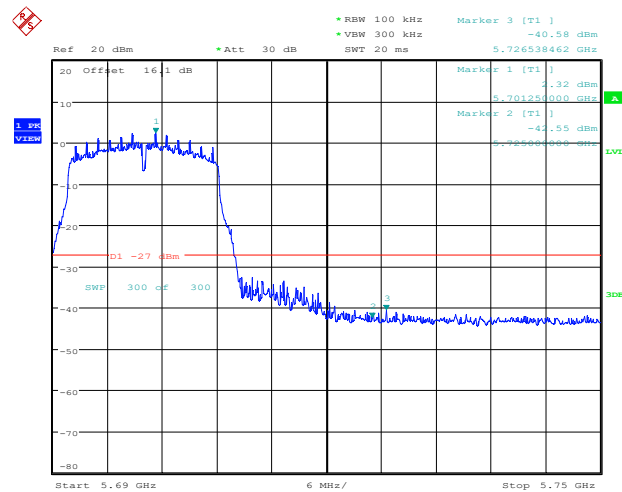
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11A_Ant1_High_5700

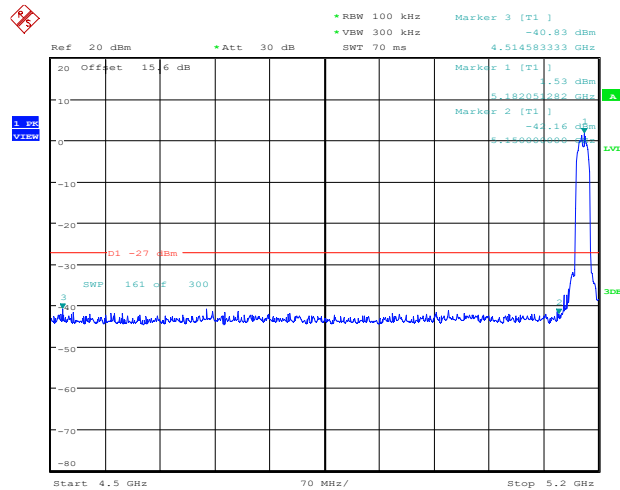


11N20SISO_Ant1_Low_5180

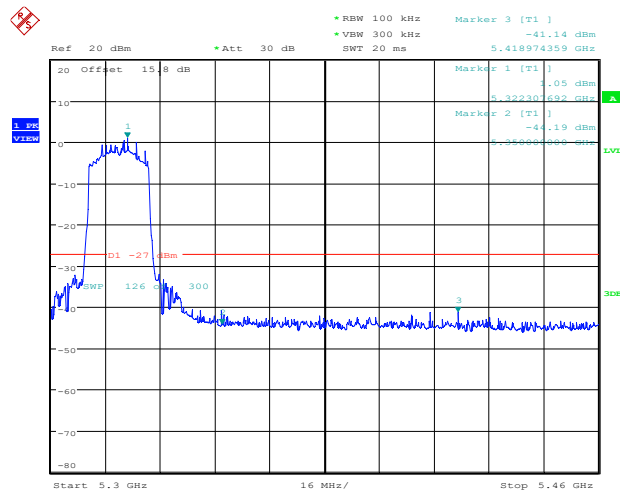
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11N20SISO_Ant1_High_5320

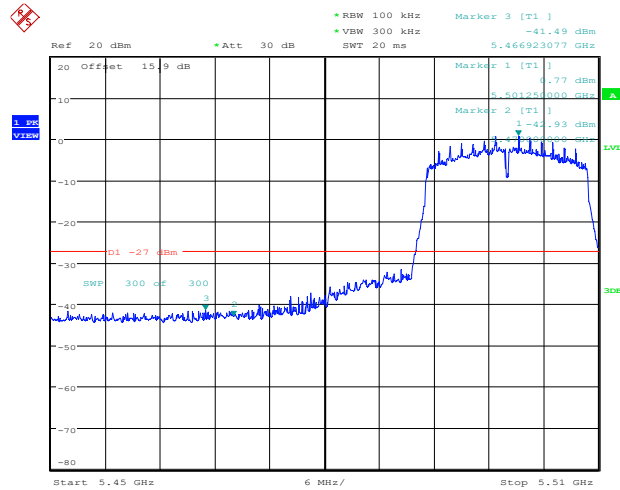


11N20SISO_Ant1_Low_5500

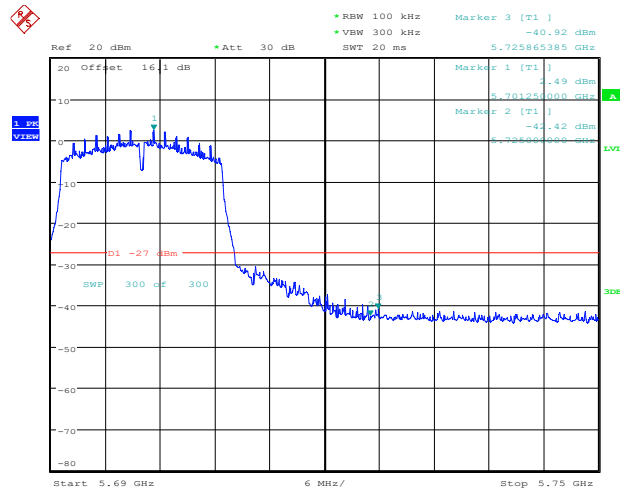
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11N20SISO_Ant1_High_5700

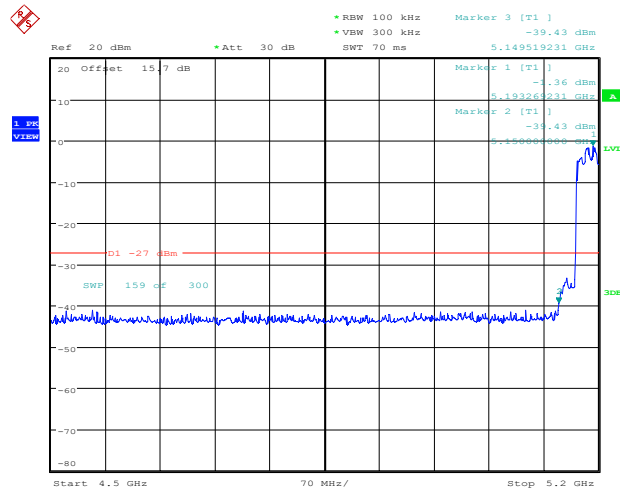


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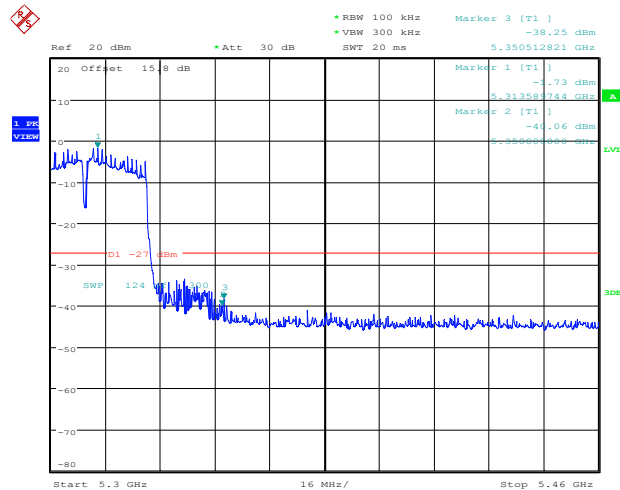
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11N40SISO_Ant1_High_5310

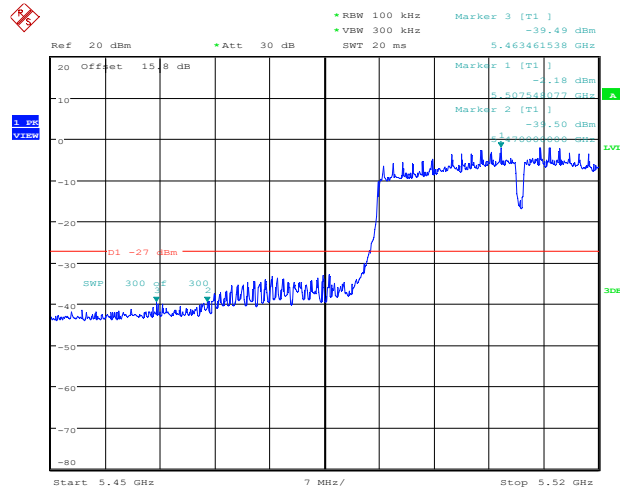


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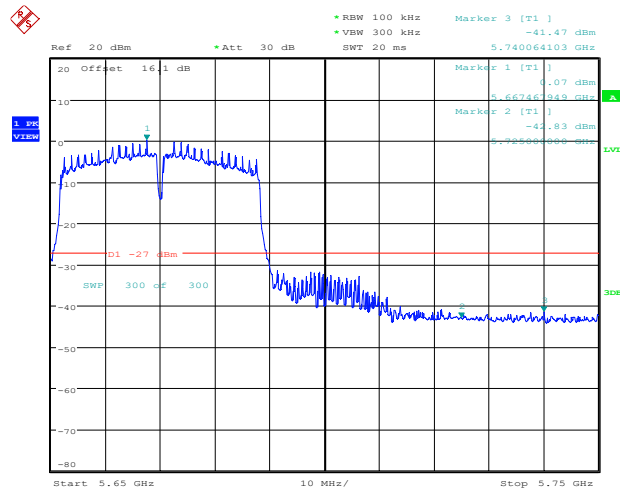
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11N40SISO_Ant1_High_5670

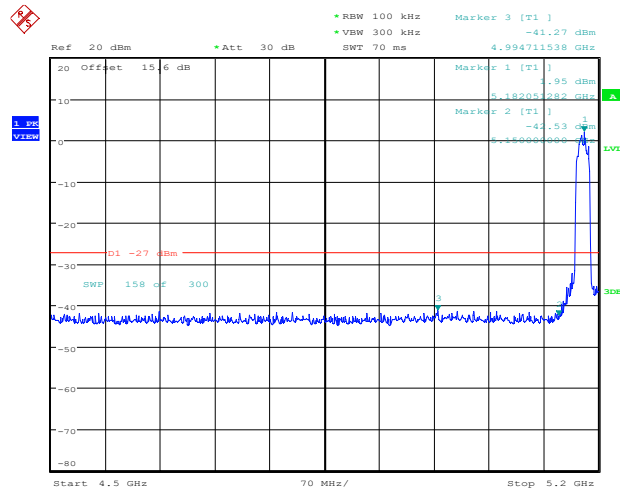


11AC20SISO_Ant1_Low_5180

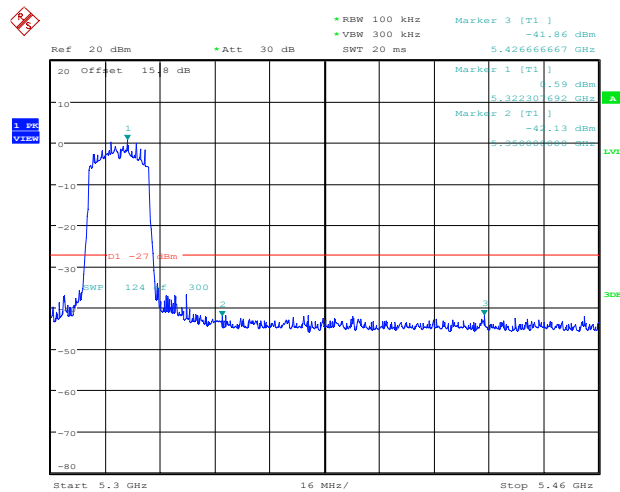
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11AC20SISO_Ant1_High_5320

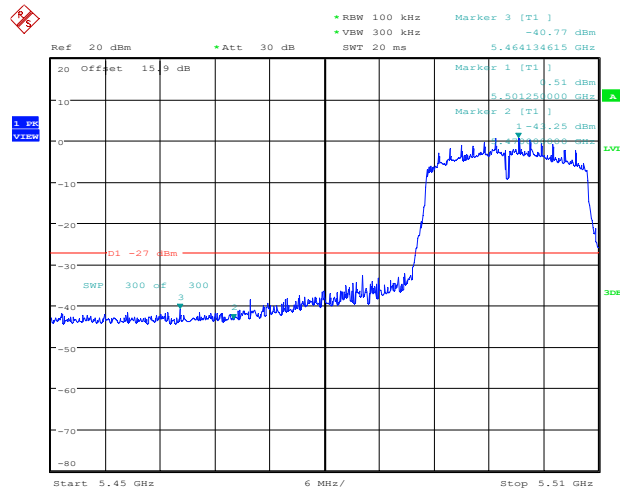


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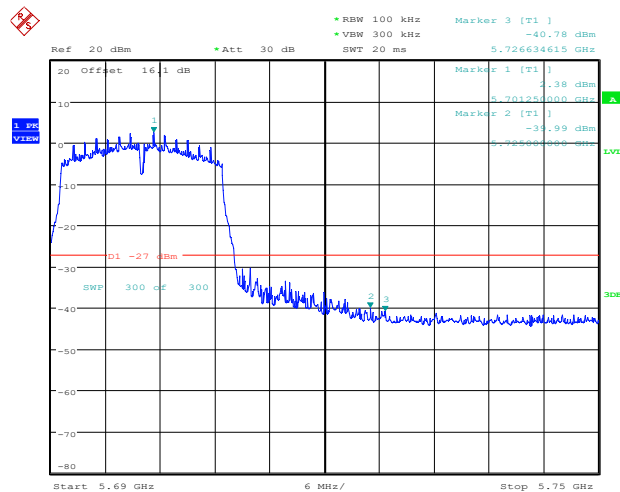
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11AC20SISO_Ant1_High_5700

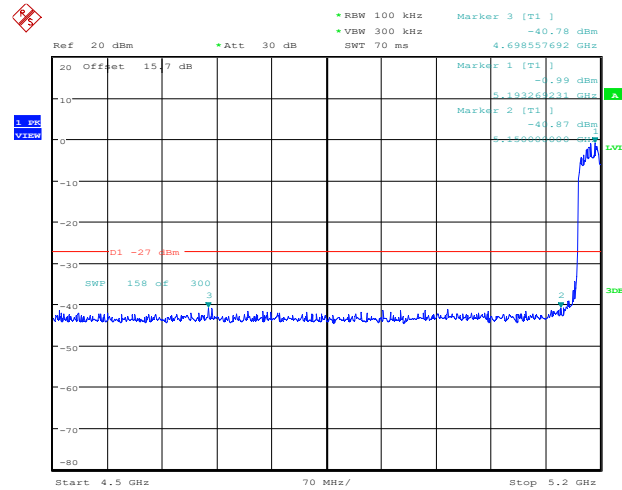


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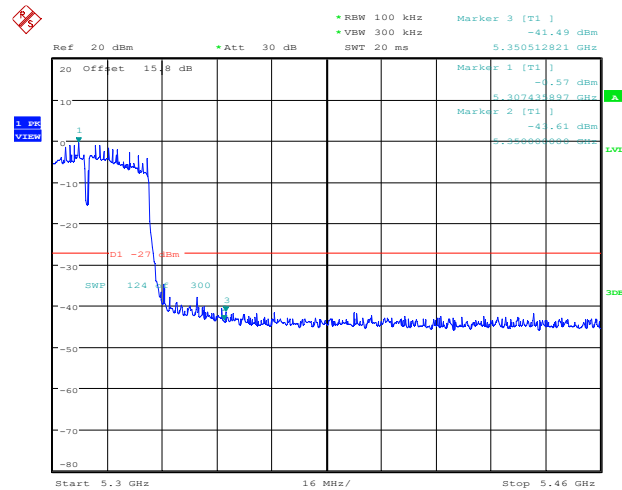
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11AC40SISO_Ant1_High_5310

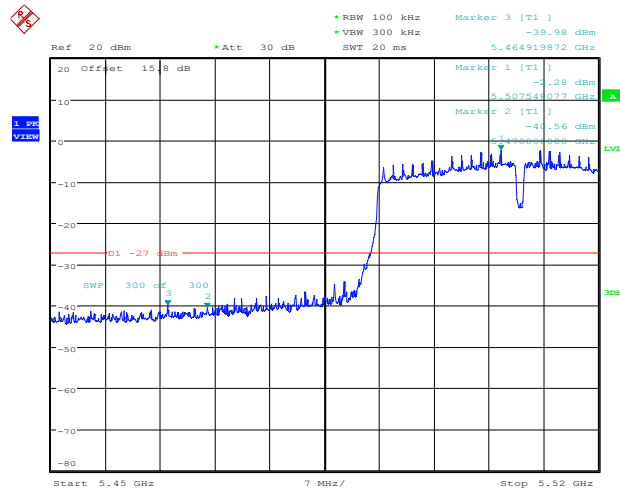


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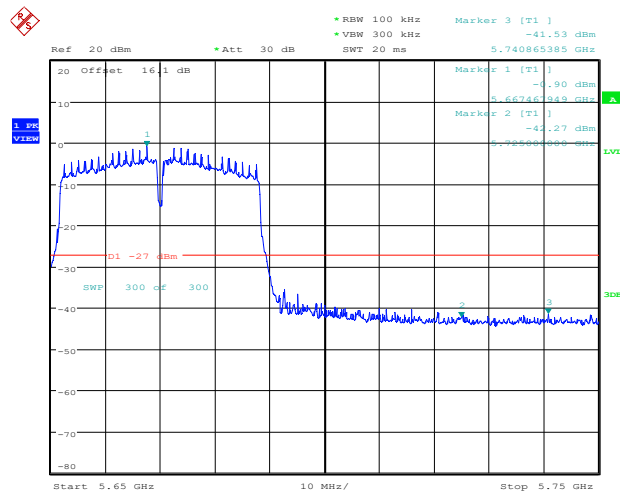
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11AC40SISO_Ant1_High_5670

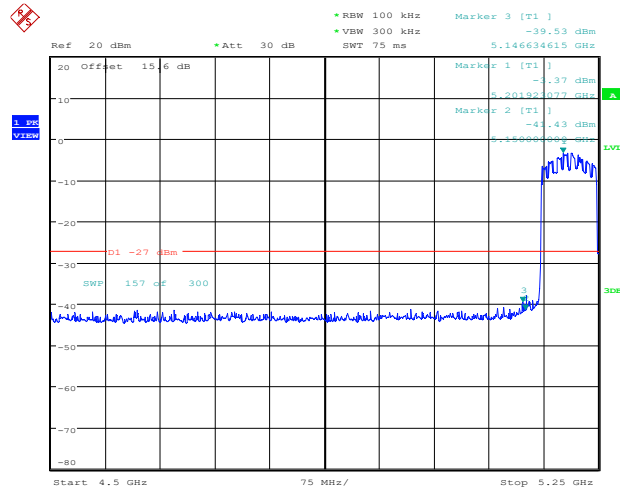


11AC80SISO_Ant1_Low_5210

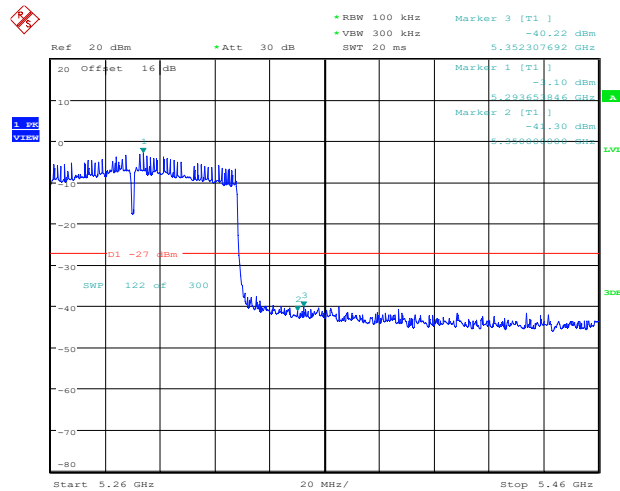
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11AC80SISO_Ant1_High_5290

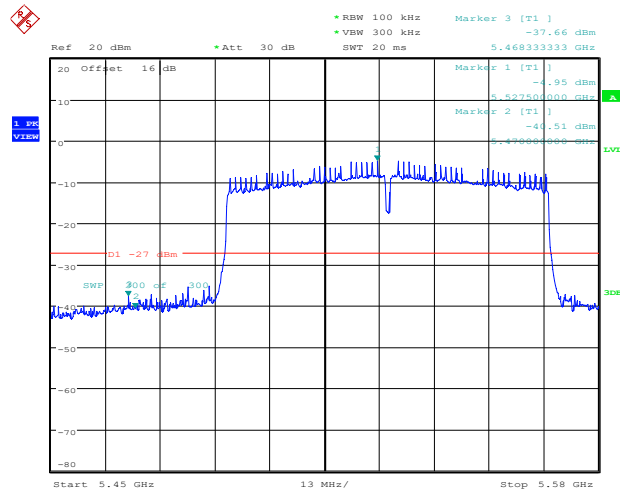


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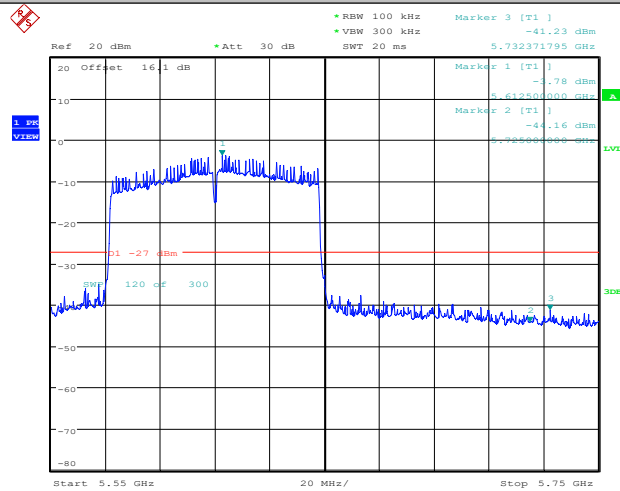
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11AC80SISO_Ant1_High_5610



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Band Edges - Radiated
Measurement Limit:

Standard	Limit (dBμV/m)	
FCC 47 CFR Part 15.209 & 15.407(b)(9),(10)	Peak	74
	Average	54

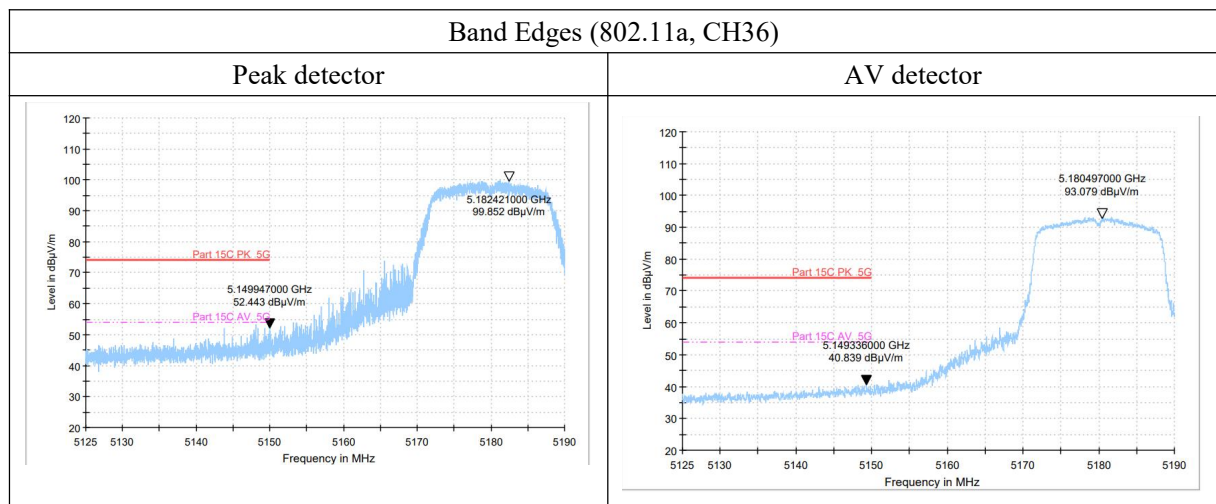
The measurement is made according to KDB 789033.

For maximum emissions measurements, follow the procedures described in II.G.5., “Procedures for Unwanted Maximum Emissions Measurements above 1000 MHz,” except for the following changes:

1. Set RBW = 100 kHz
2. Set VBW $\geq 3 \times$ RBW
3. Perform a band-power integration across the 1 MHz bandwidth in which the band-edge emission level is to be measured. CAUTION: You must ensure that the spectrum analyzer or EMI receiver is set for peak-detection and max-hold for this measurement.

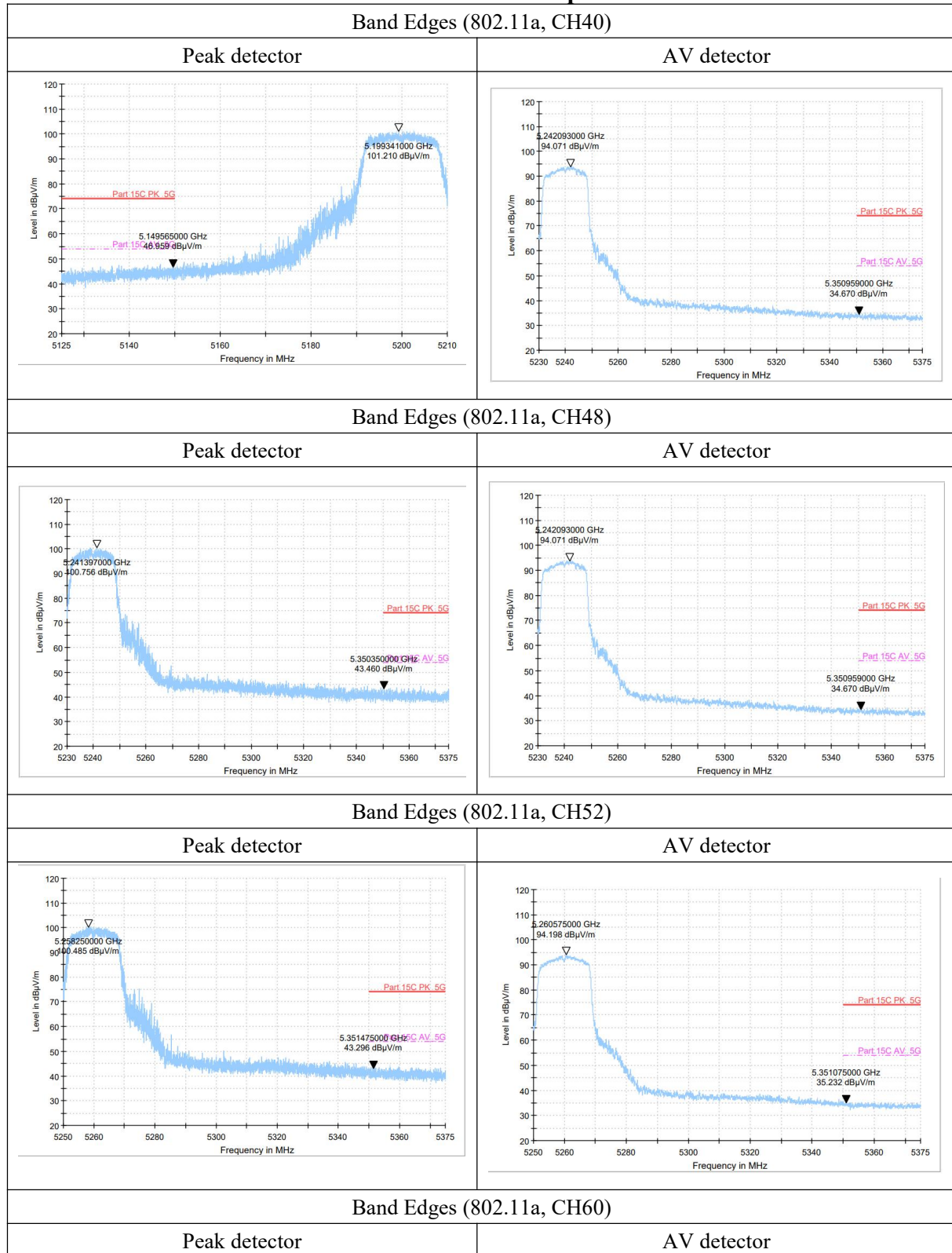
For average emissions measurements, follow the procedures described in II.G.6., “Procedures for Average Unwanted Emissions Measurements above 1000 MHz,” except for the following changes:

1. Set RBW = 100 kHz
2. Set VBW $\geq 3 \times$ RBW
3. Perform a band-power integration across the 1 MHz bandwidth in which the band-edge emission level is to be measured.

Test Result:

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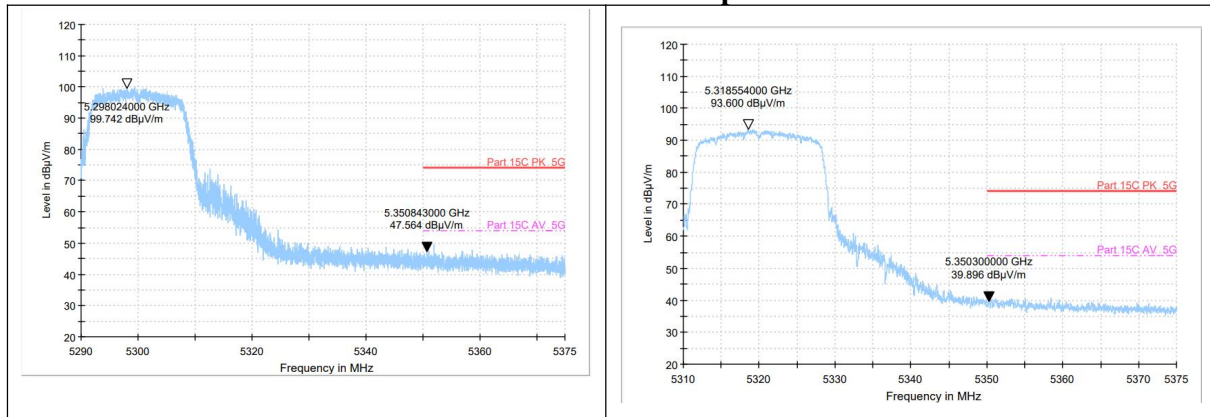
Report No.: 123W00020-WIFI 5G RF



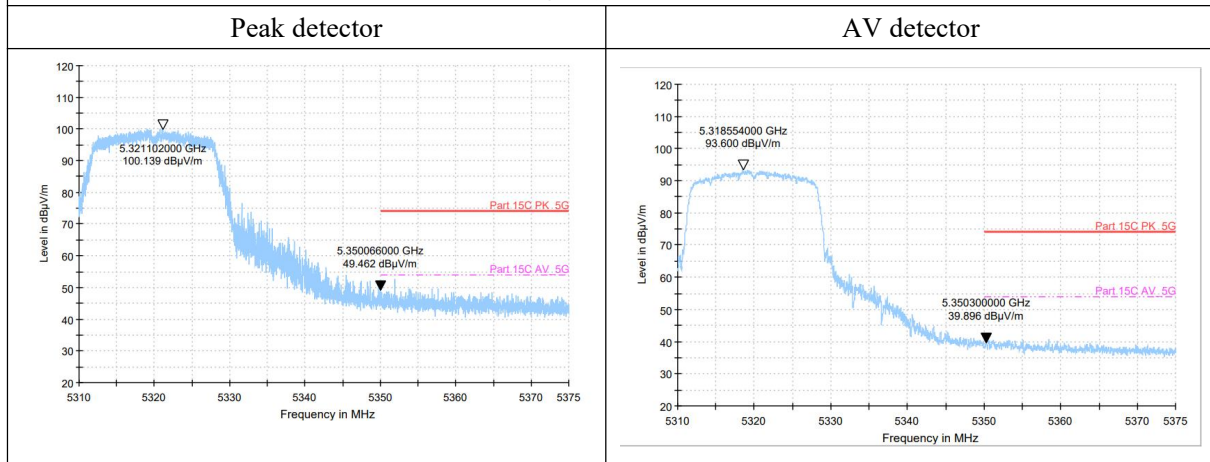
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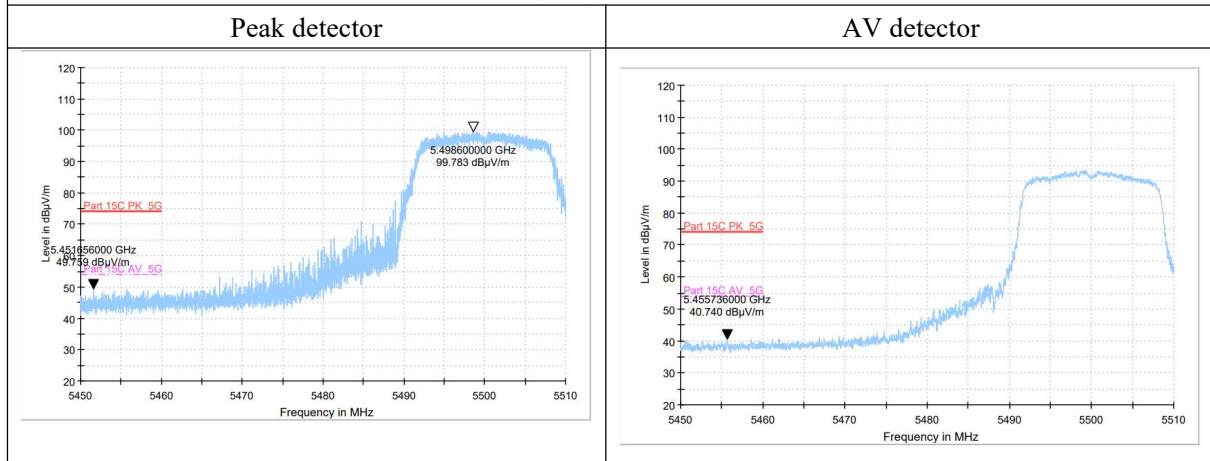
Report No.: 123W00020-WIFI 5G RF



Band Edges (802.11a, CH64)



Band Edges (802.11a, CH100)



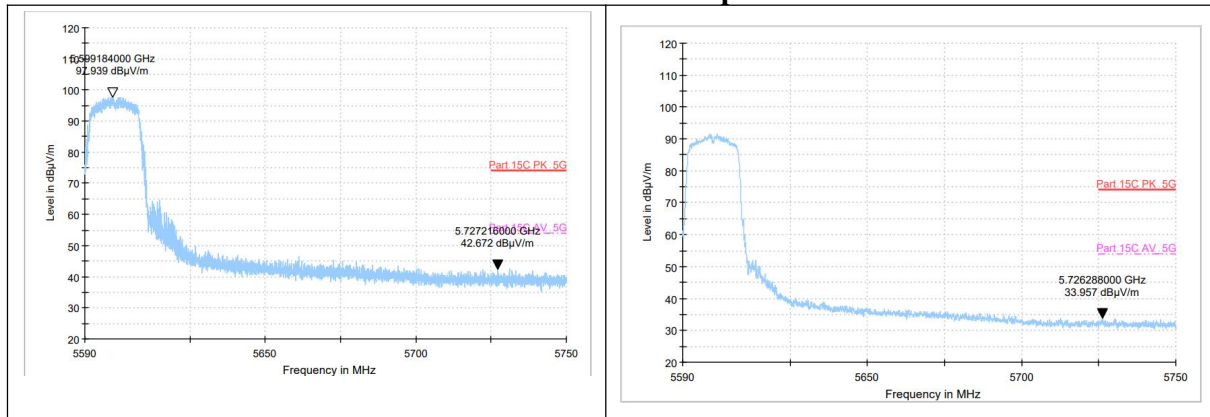
Band Edges (802.11a, CH120)



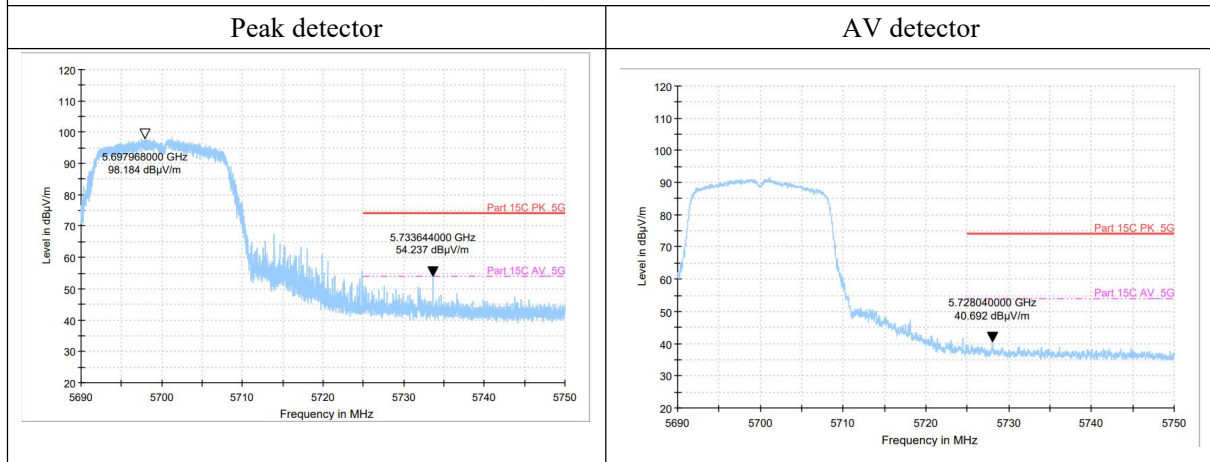
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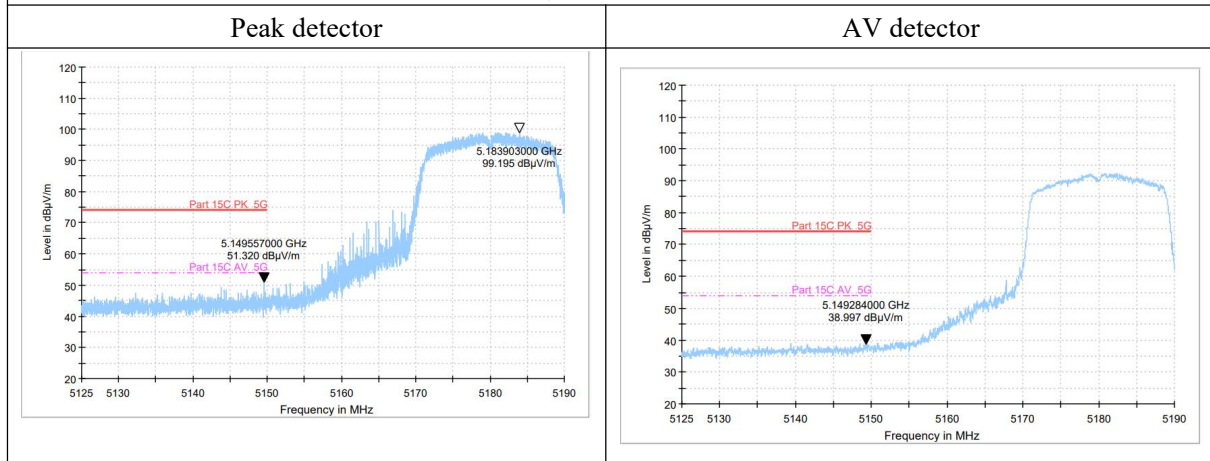
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Band Edges (802.11a, CH140)



Band Edges (802.11n, CH36)



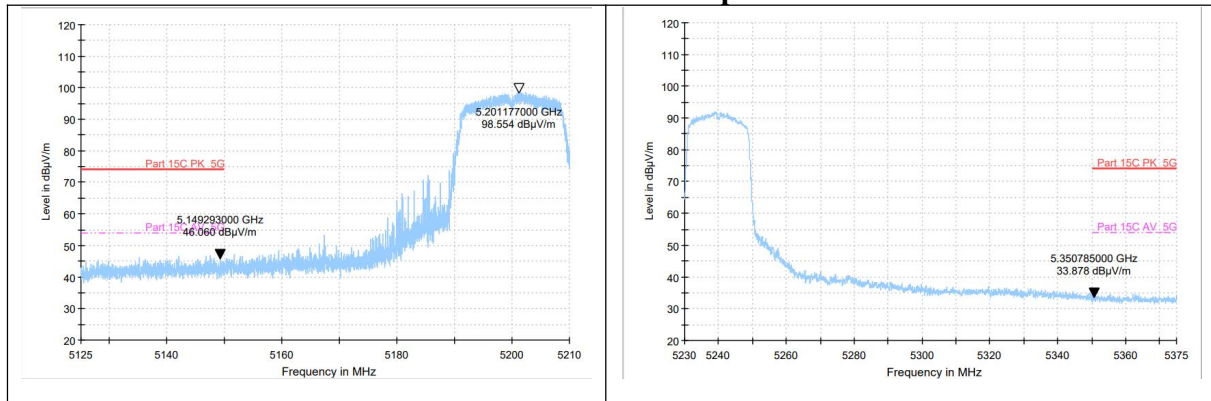
Band Edges (802.11n, CH40)



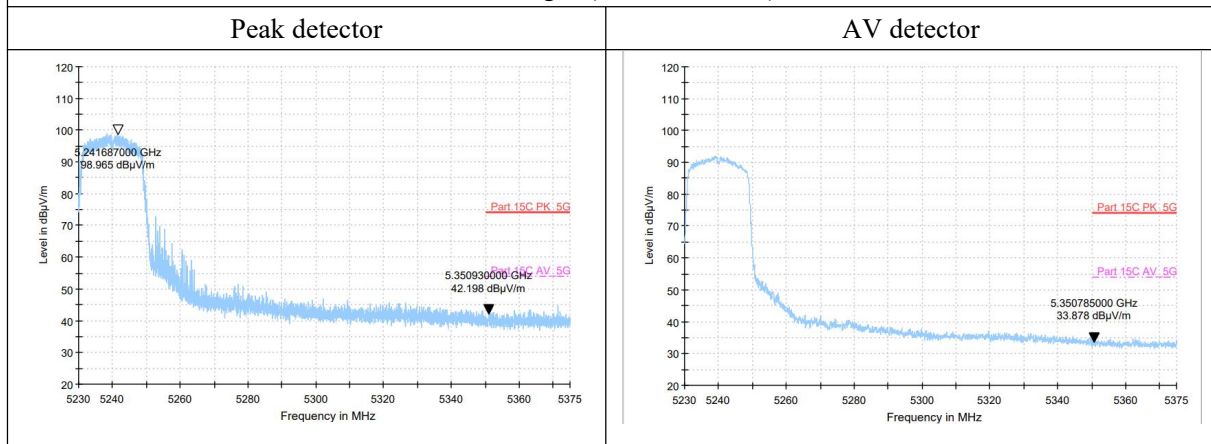
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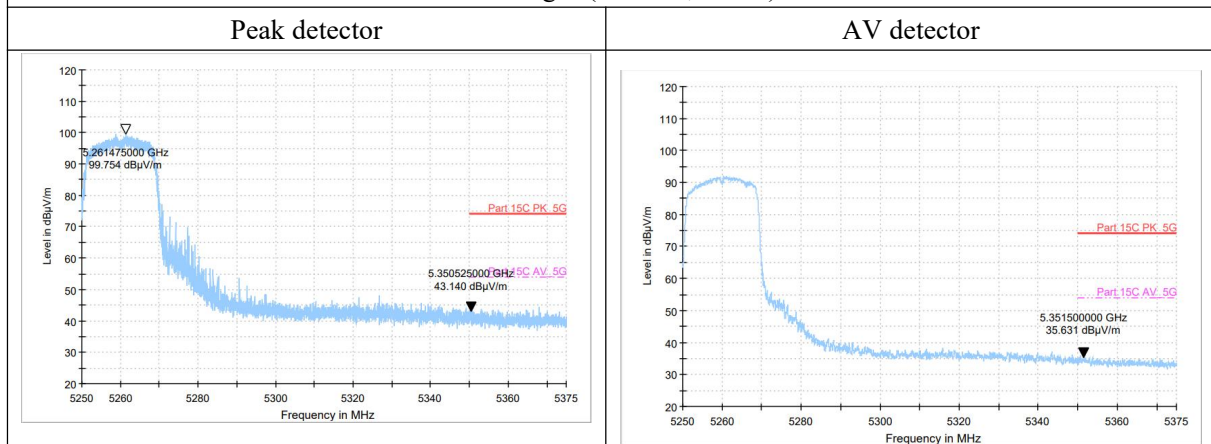
Report No.: 123W00020-WIFI 5G RF



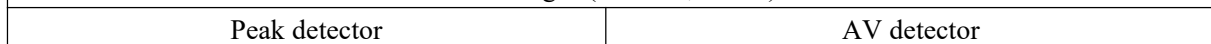
Band Edges (802.11n, CH48)



Band Edges (802.11n, CH52)



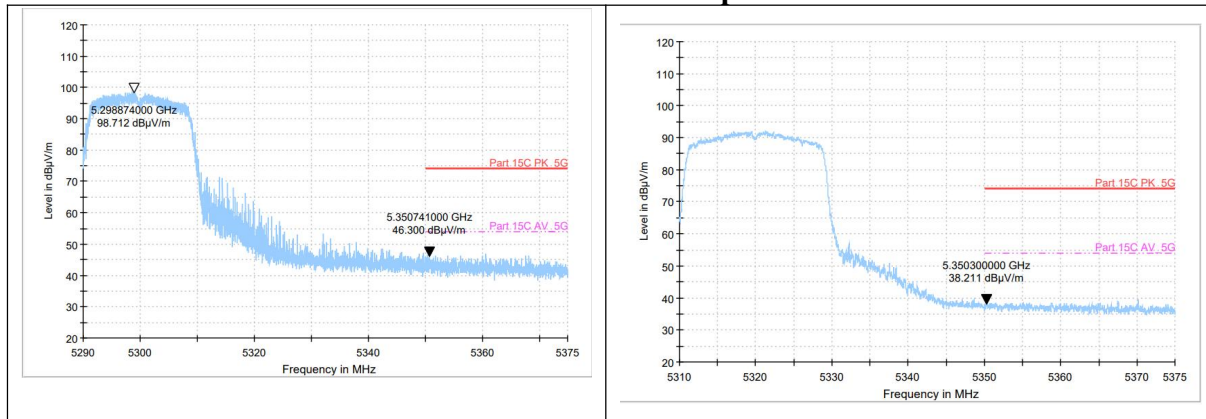
Band Edges (802.11n, CH60)



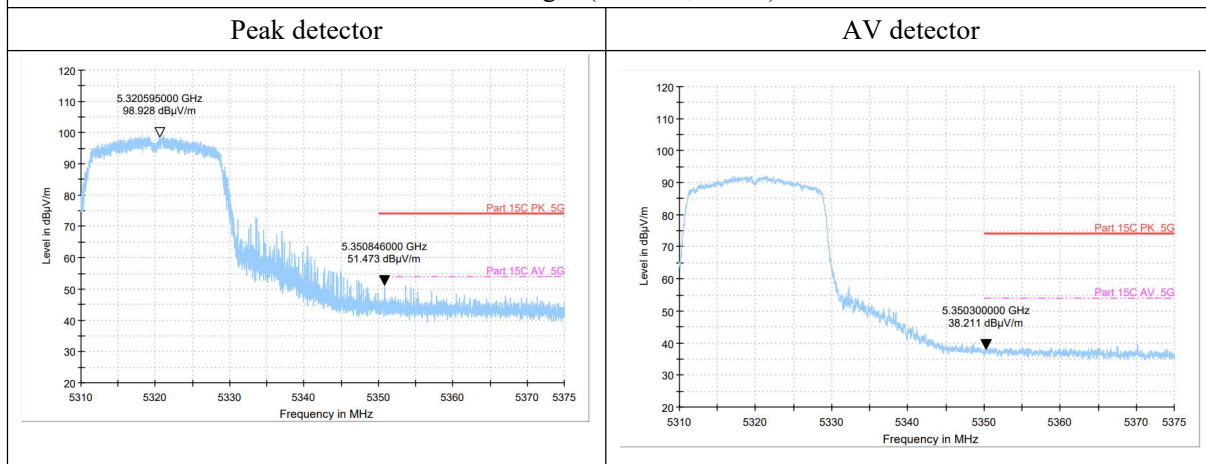
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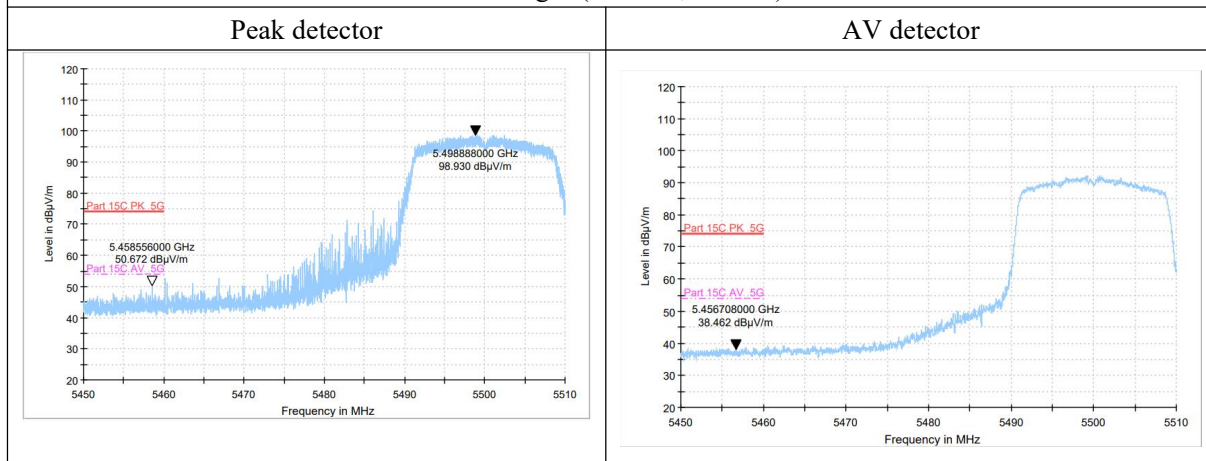
Report No.: 123W00020-WIFI 5G RF



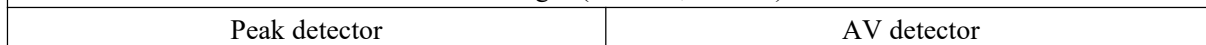
Band Edges (802.11n, CH64)



Band Edges (802.11n, CH100)



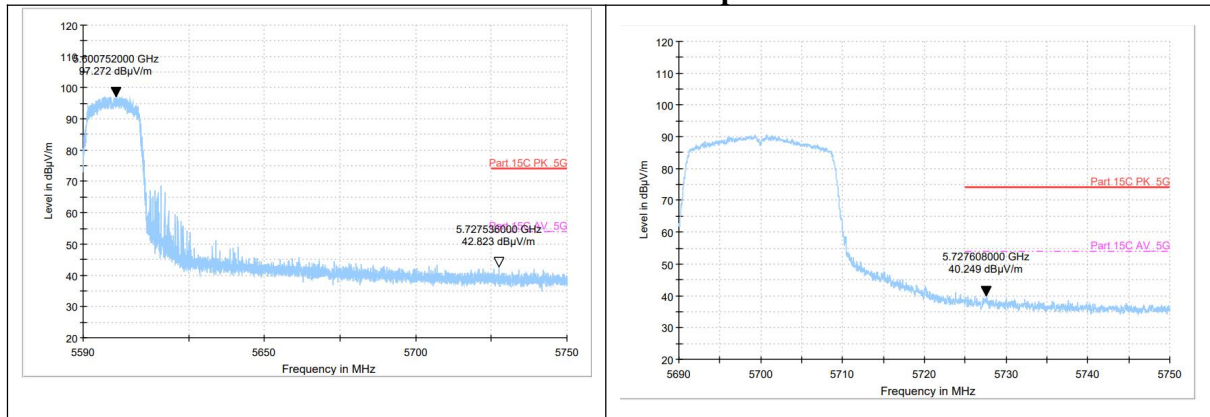
Band Edges (802.11n, CH120)



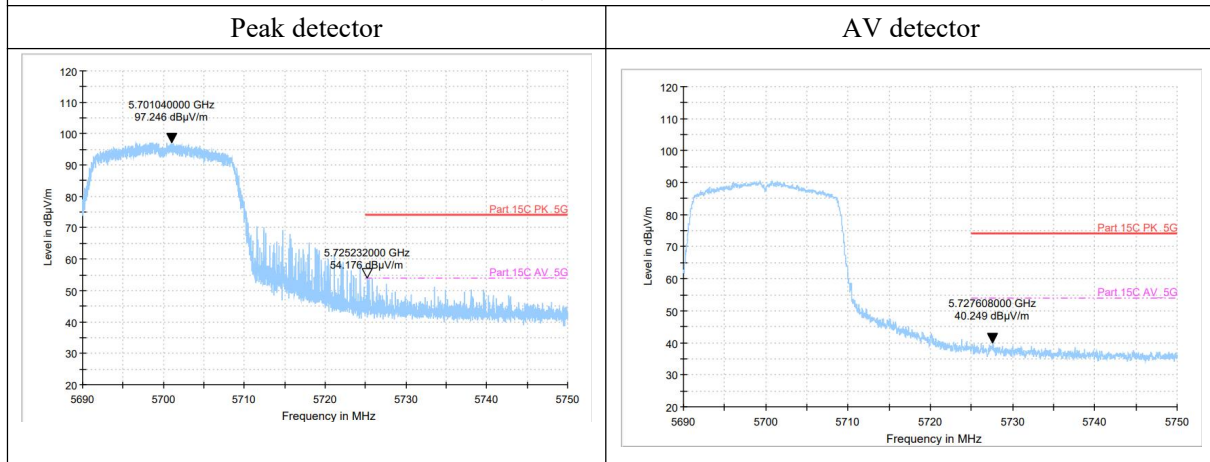
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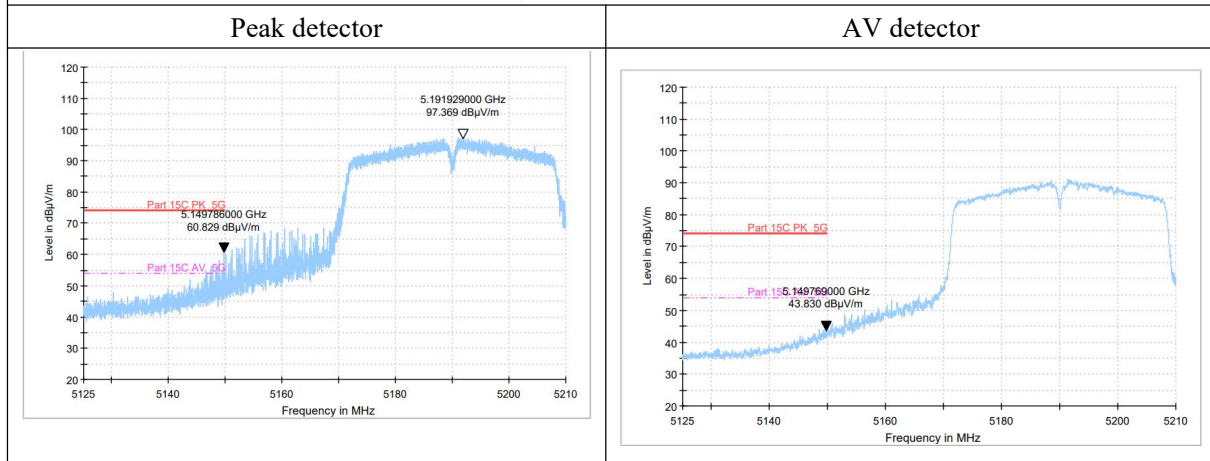
Report No.: 123W00020-WIFI 5G RF



Band Edges (802.11n, CH140)



Band Edges (802.11n 40m, CH38)



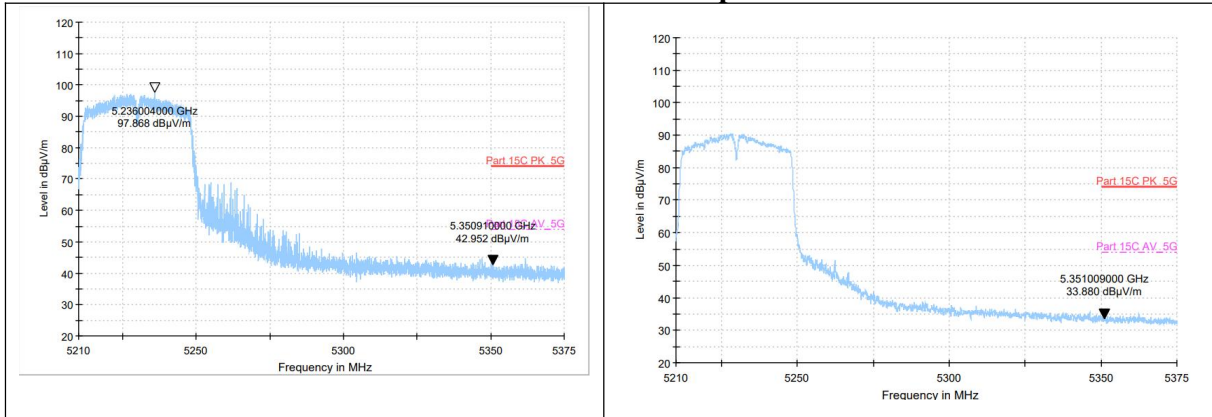
Band Edges (802.11n 40m, CH46)



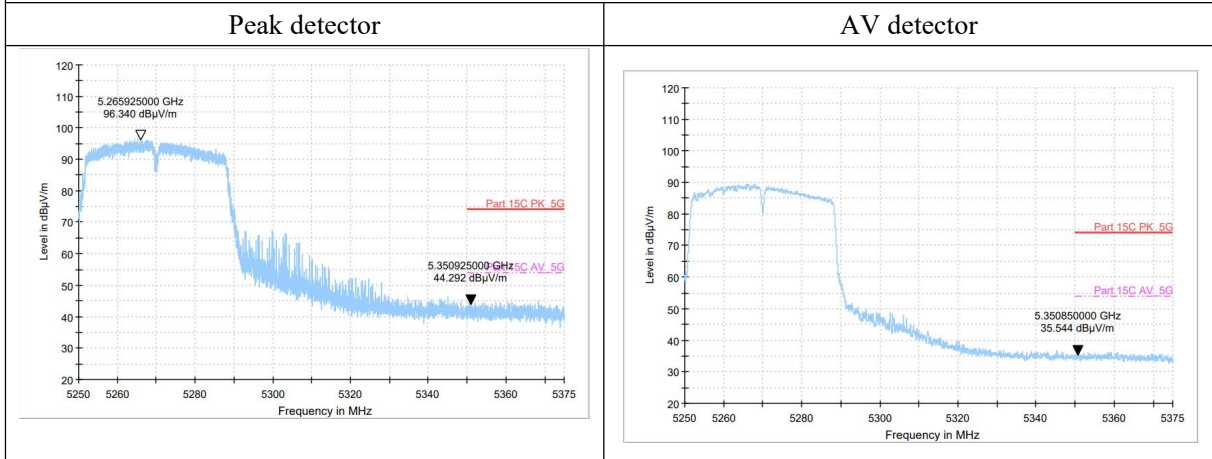
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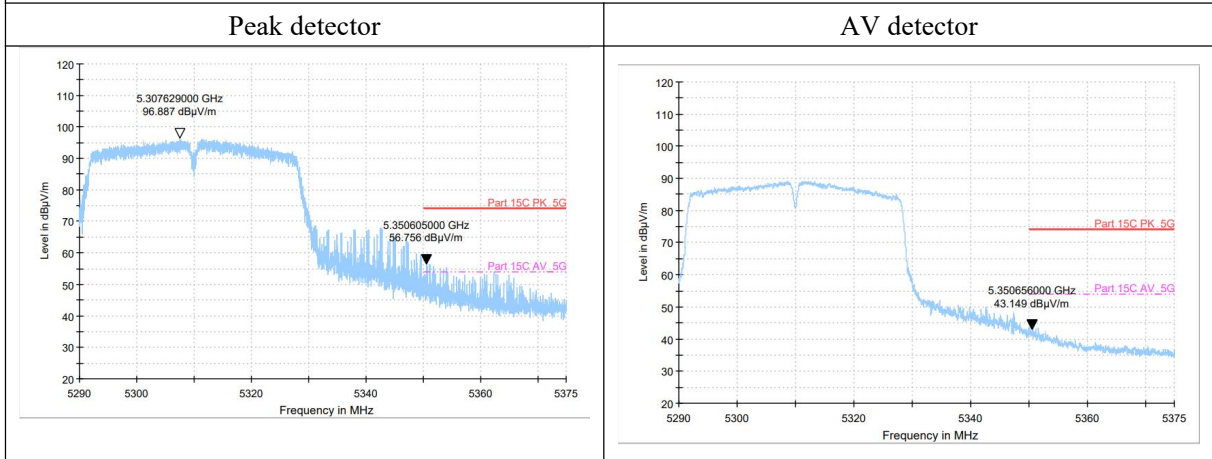
Report No.: 123W00020-WIFI 5G RF



Band Edges (802.11n 40m, CH54)



Band Edges (802.11n 40m, CH62)



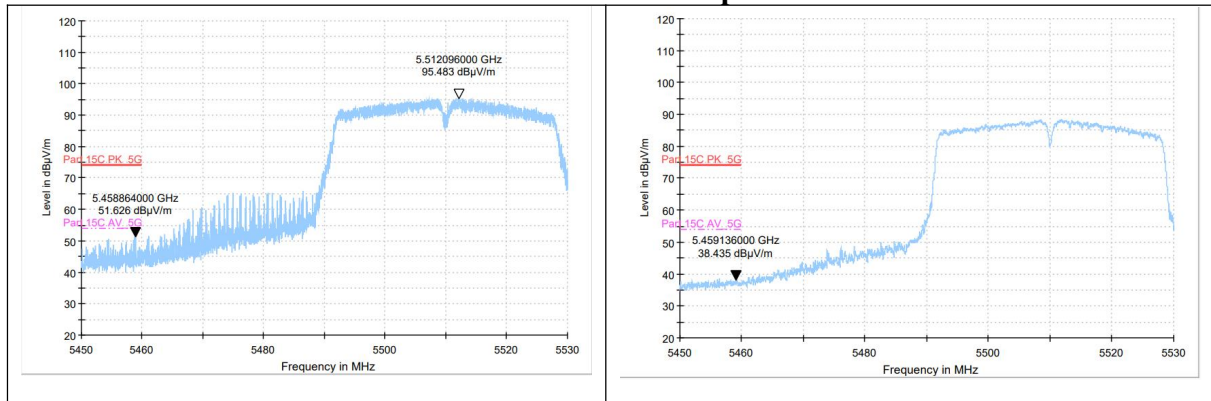
Band Edges (802.11n 40m, CH102)



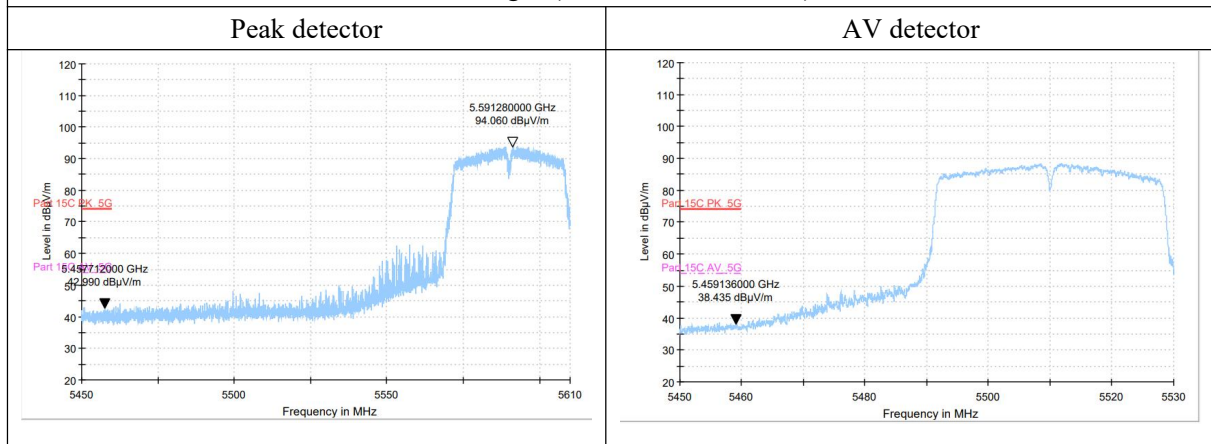
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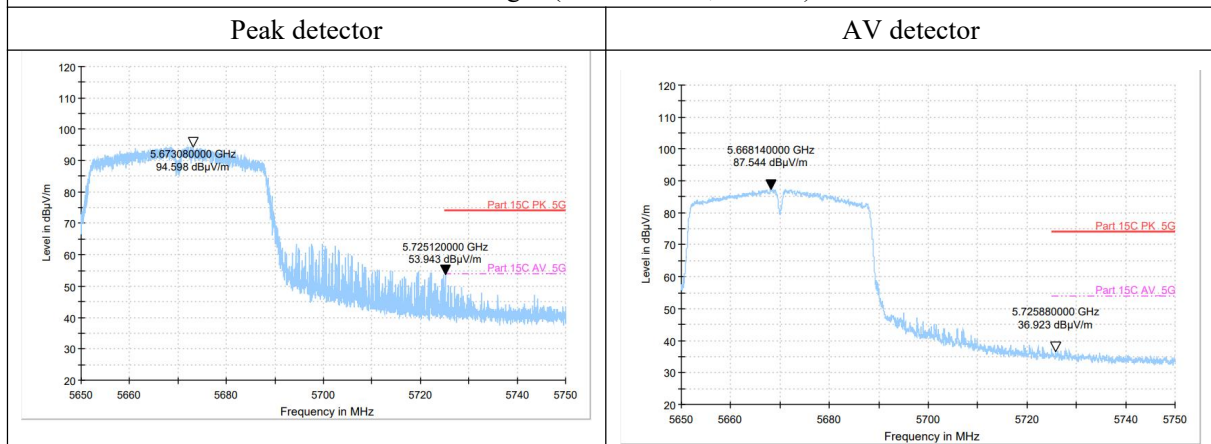
Report No.: 123W00020-WIFI 5G RF



Band Edges (802.11n 40m, CH118)



Band Edges (802.11n 40m, CH134)



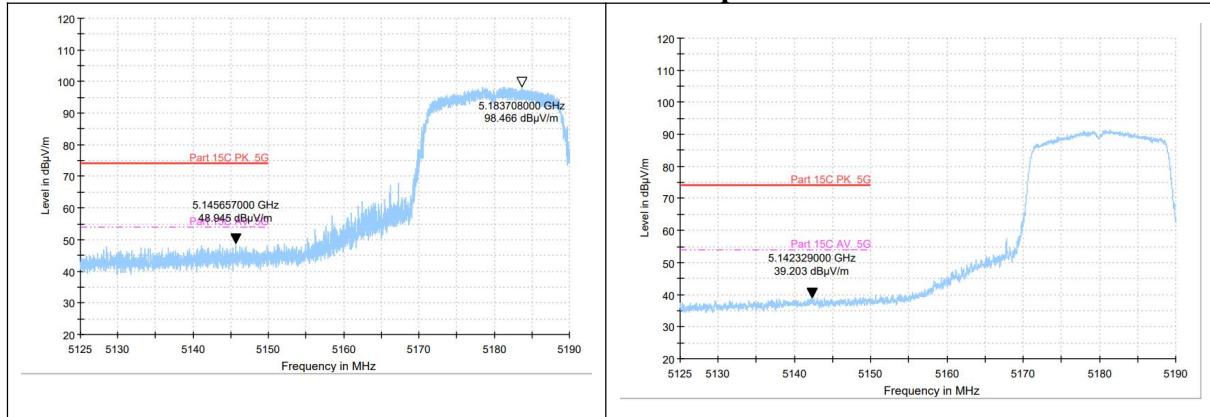
Band Edges (802.11ac, CH36)



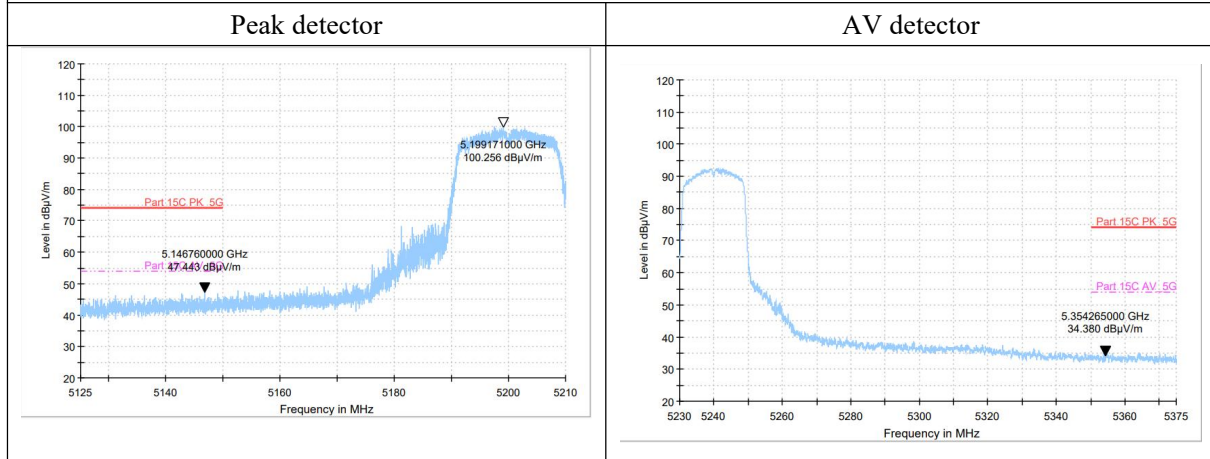
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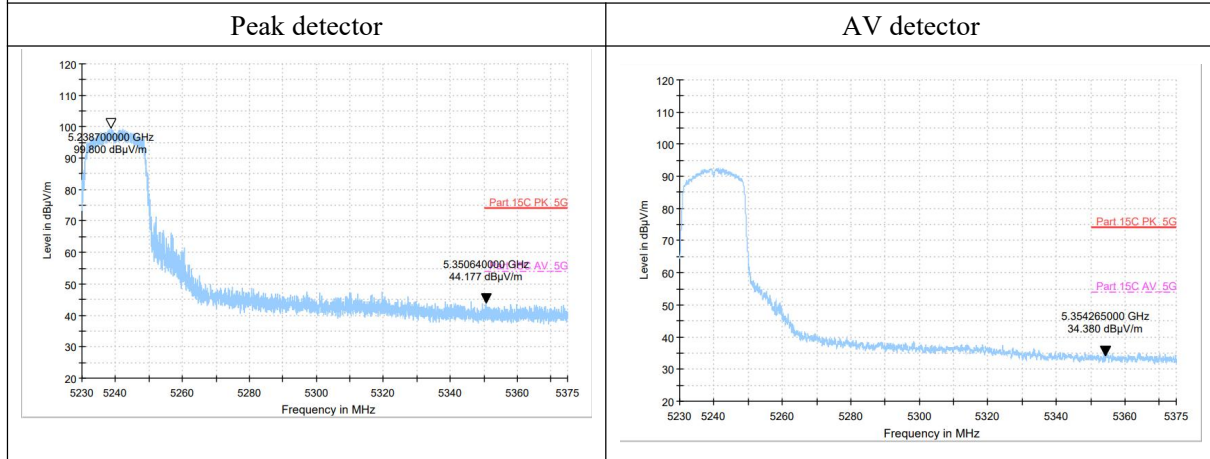
Report No.: 123W00020-WIFI 5G RF



Band Edges (802.11ac, CH40)



Band Edges (802.11ac, CH48)



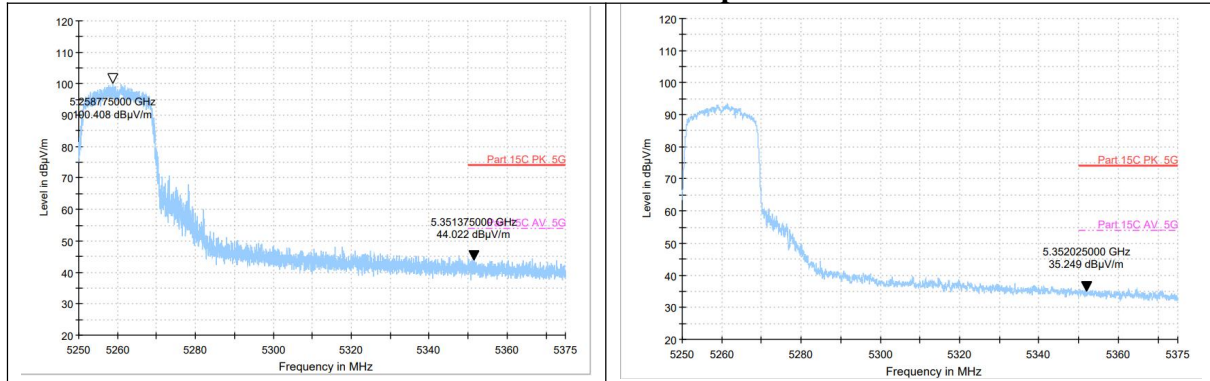
Band Edges (802.11ac, CH52)



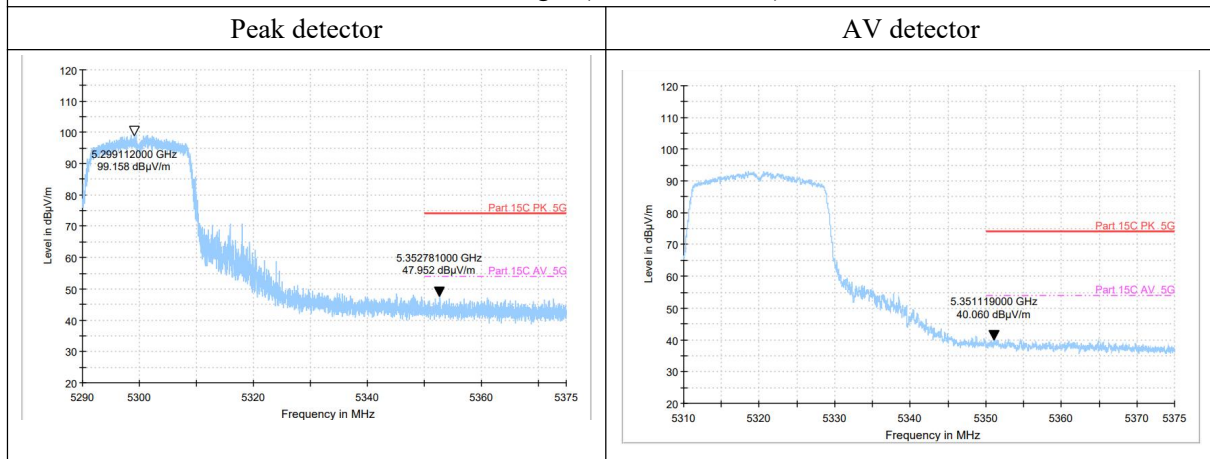
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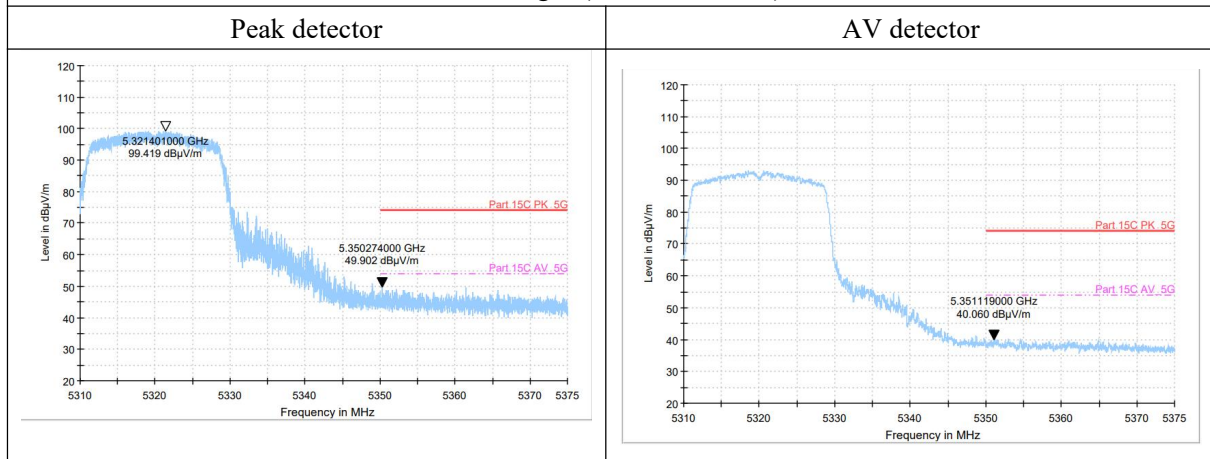
Report No.: 123W00020-WIFI 5G RF



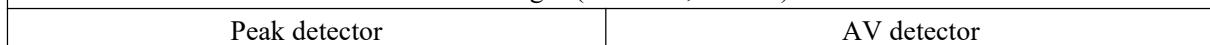
Band Edges (802.11ac, CH60)



Band Edges (802.11ac, CH64)



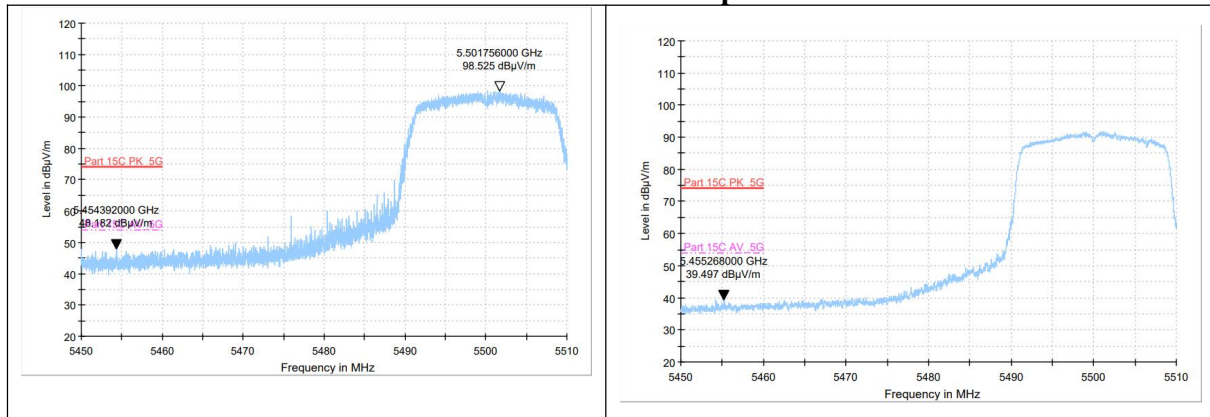
Band Edges (802.11ac, CH100)



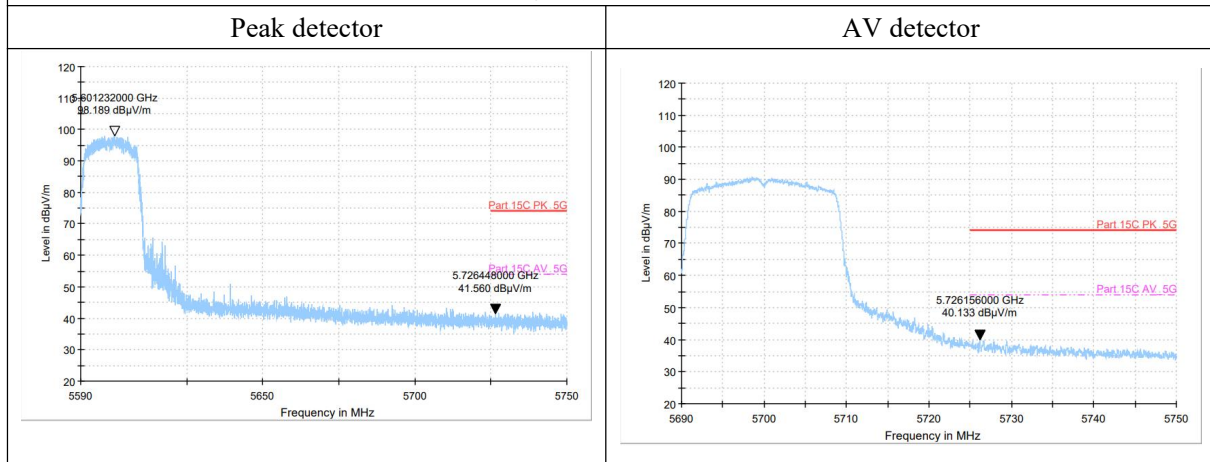
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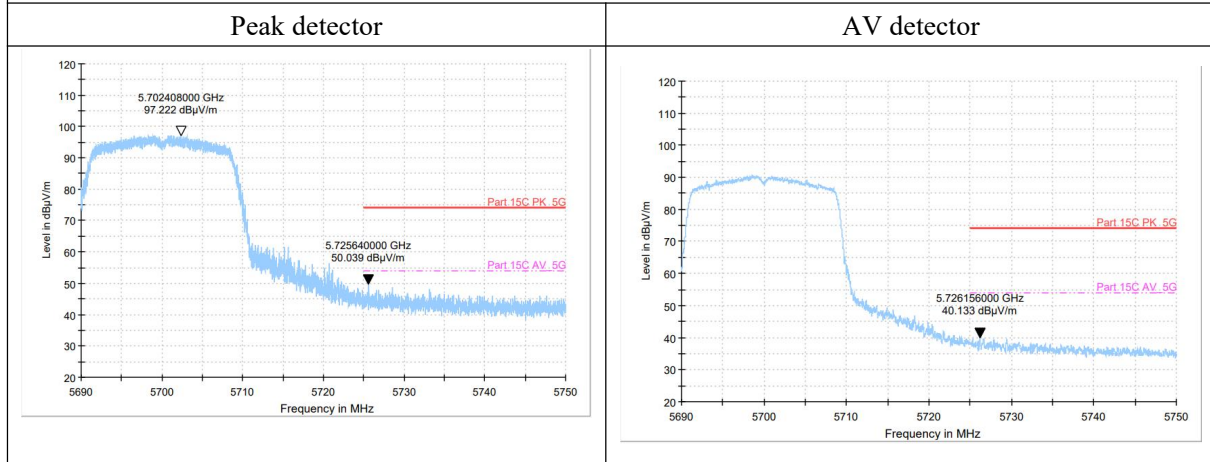
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Band Edges (802.11ac, CH120)



Band Edges (802.11ac, CH140)



Band Edges (802.11ac 40m, CH38)



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