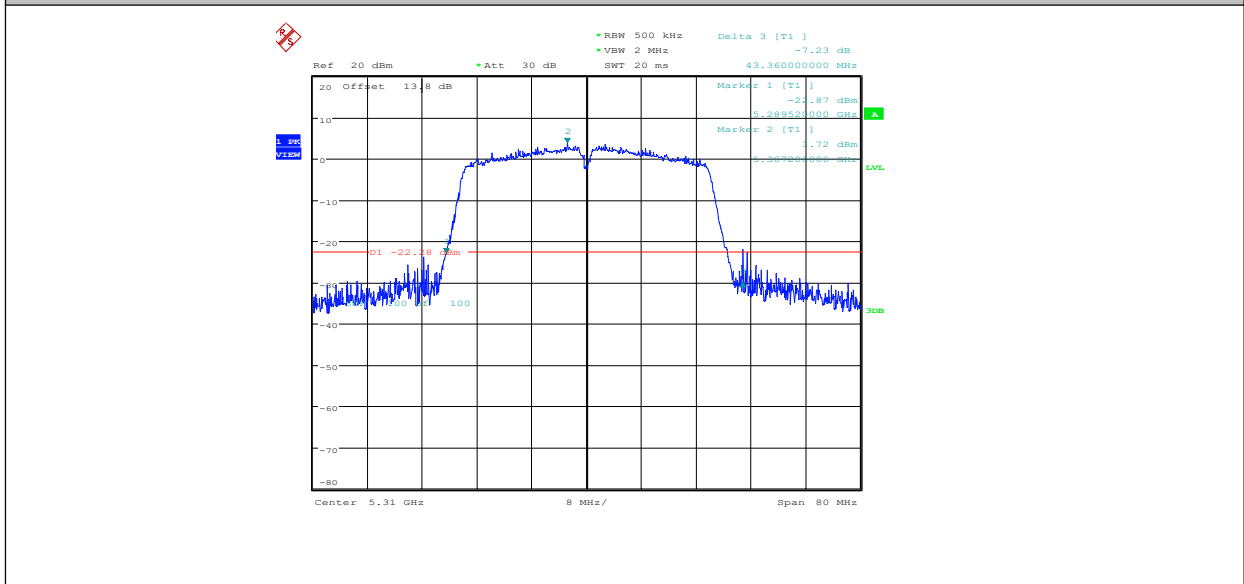
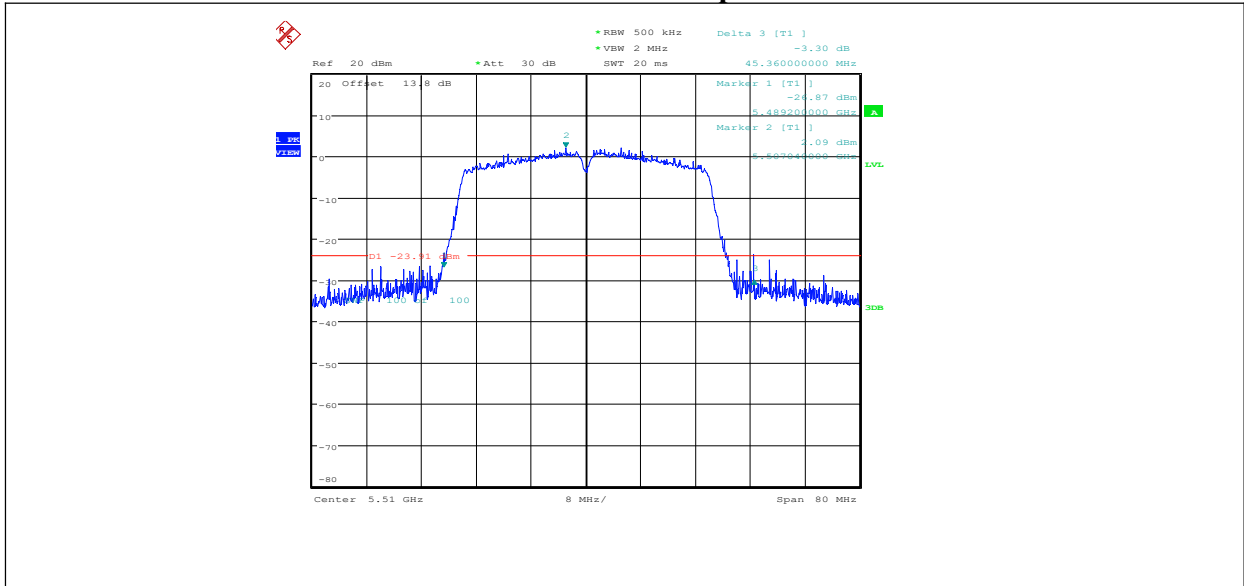


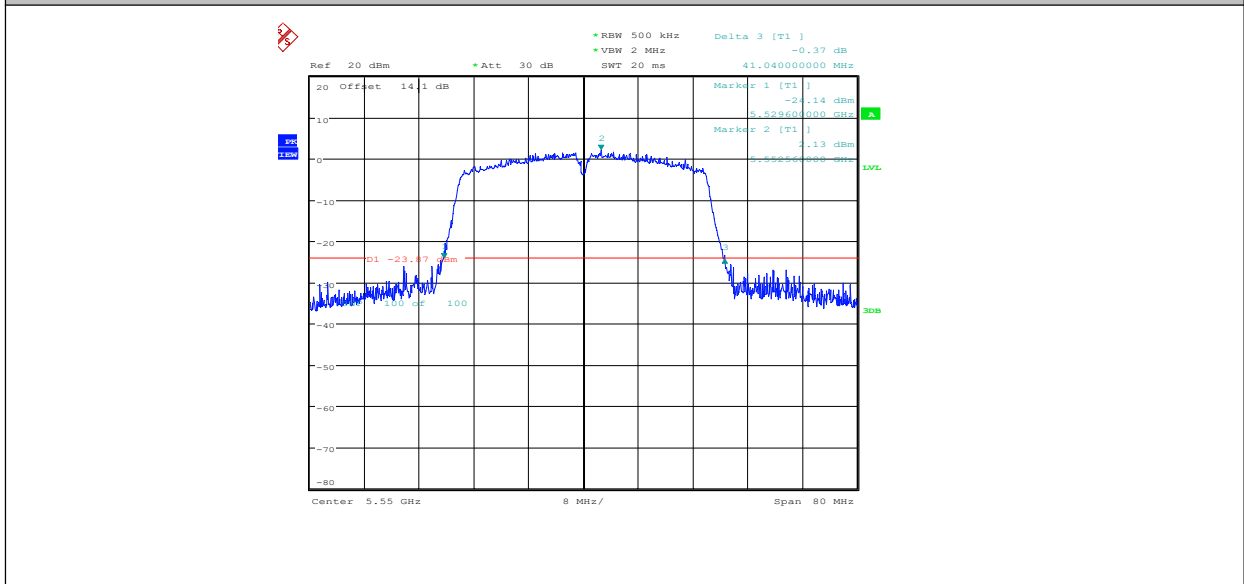
11AC40SISO\_Ant1\_5310



11AC40SISO\_Ant1\_5510



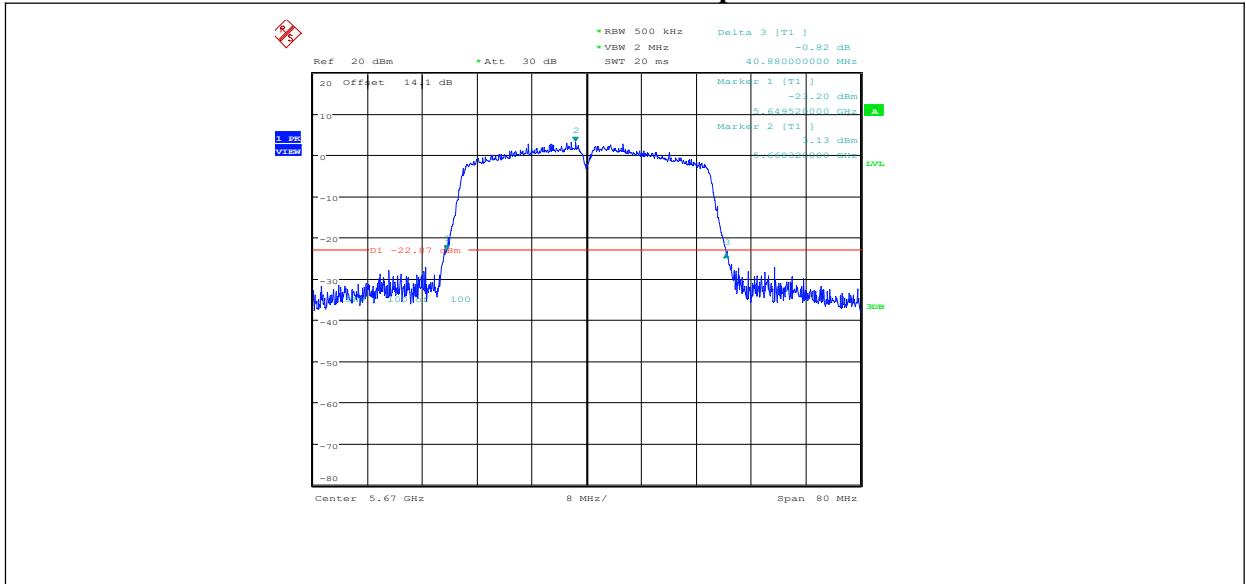
11AC40SISO\_Ant1\_5550



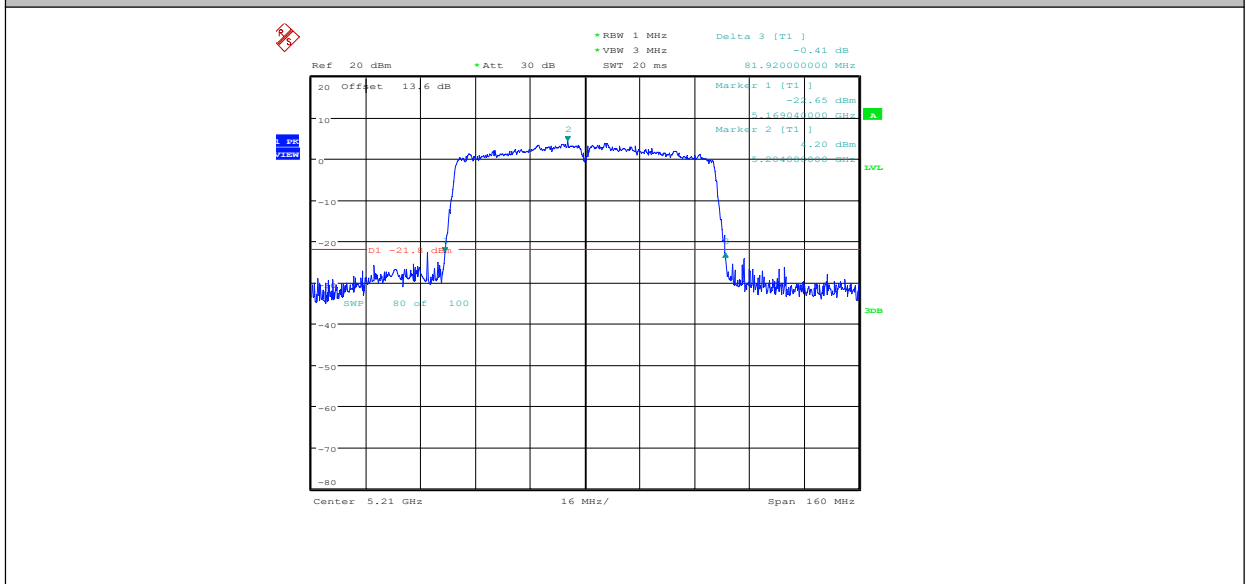
11AC40SISO\_Ant1\_5670

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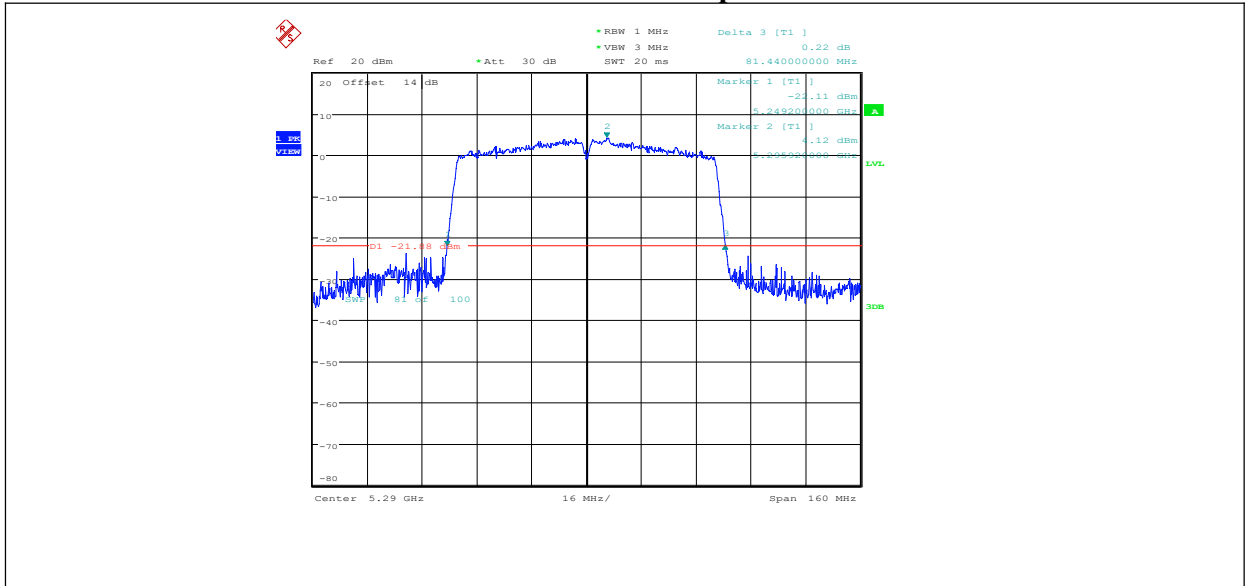
11AC80SISO\_Ant1\_5210



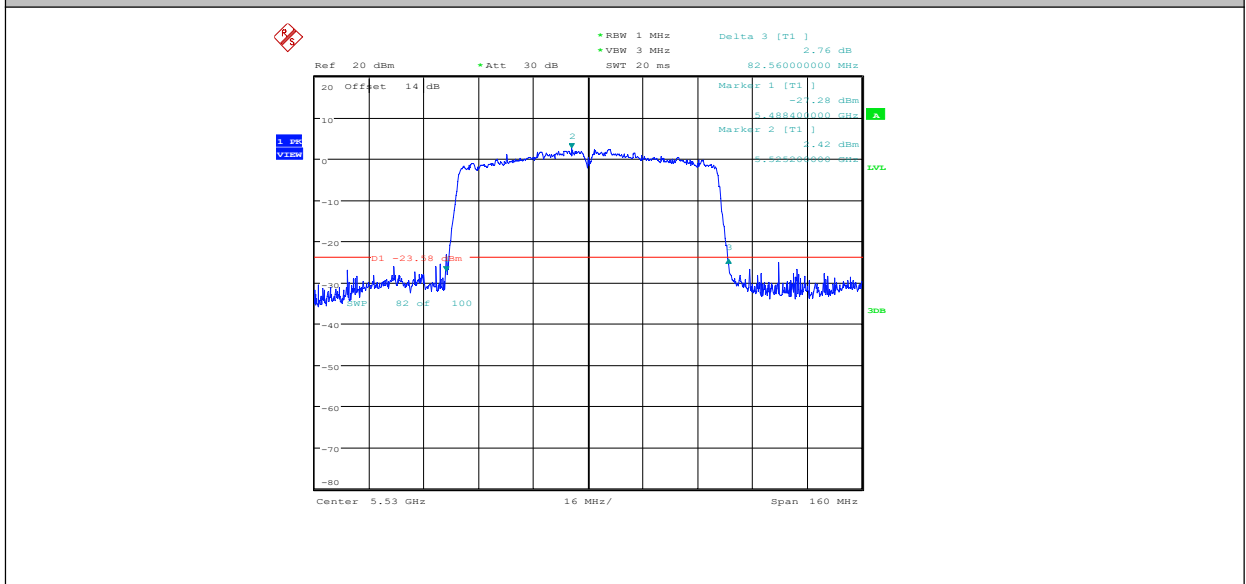
11AC80SISO\_Ant1\_5290

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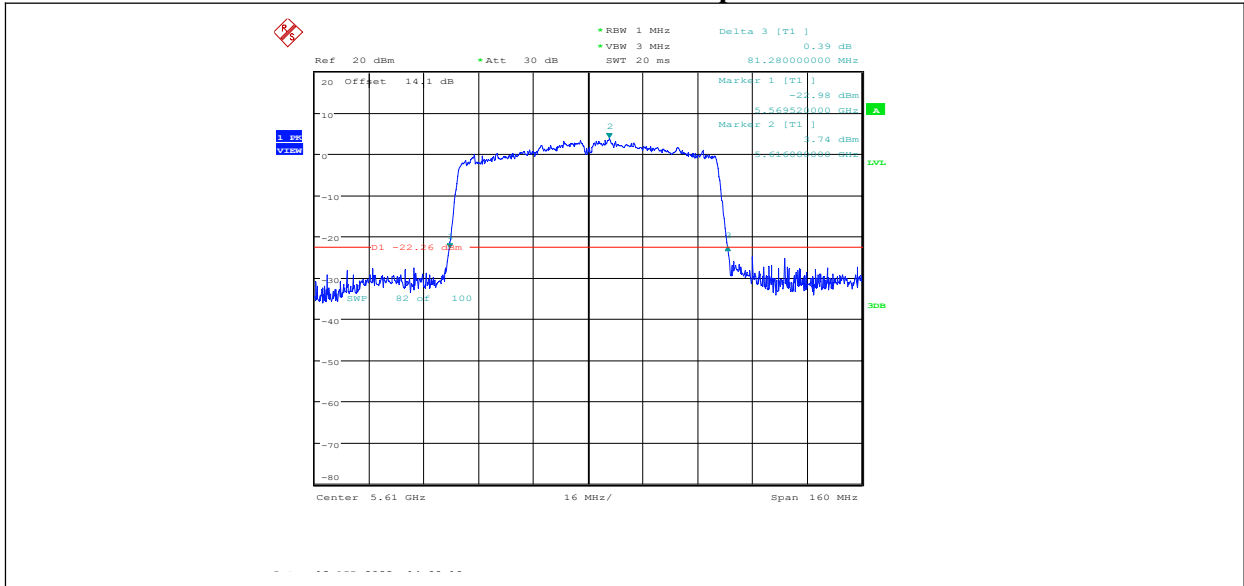
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11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610



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## 6.7 Band Edges Compliance

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

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

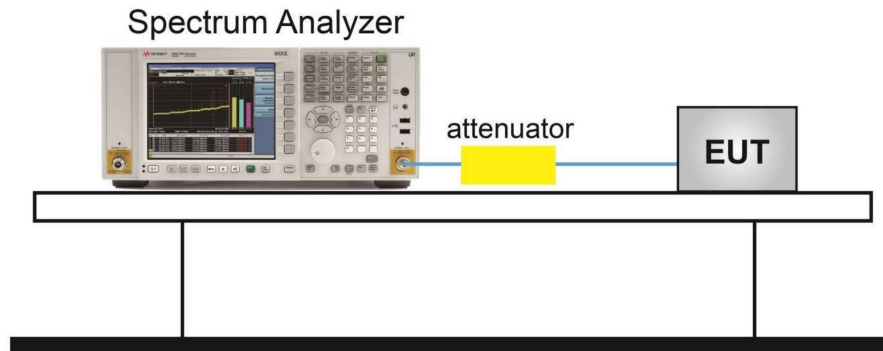
(i) Sections 15.407(b)(1) to (b)(3) specify the unwanted emission limits for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(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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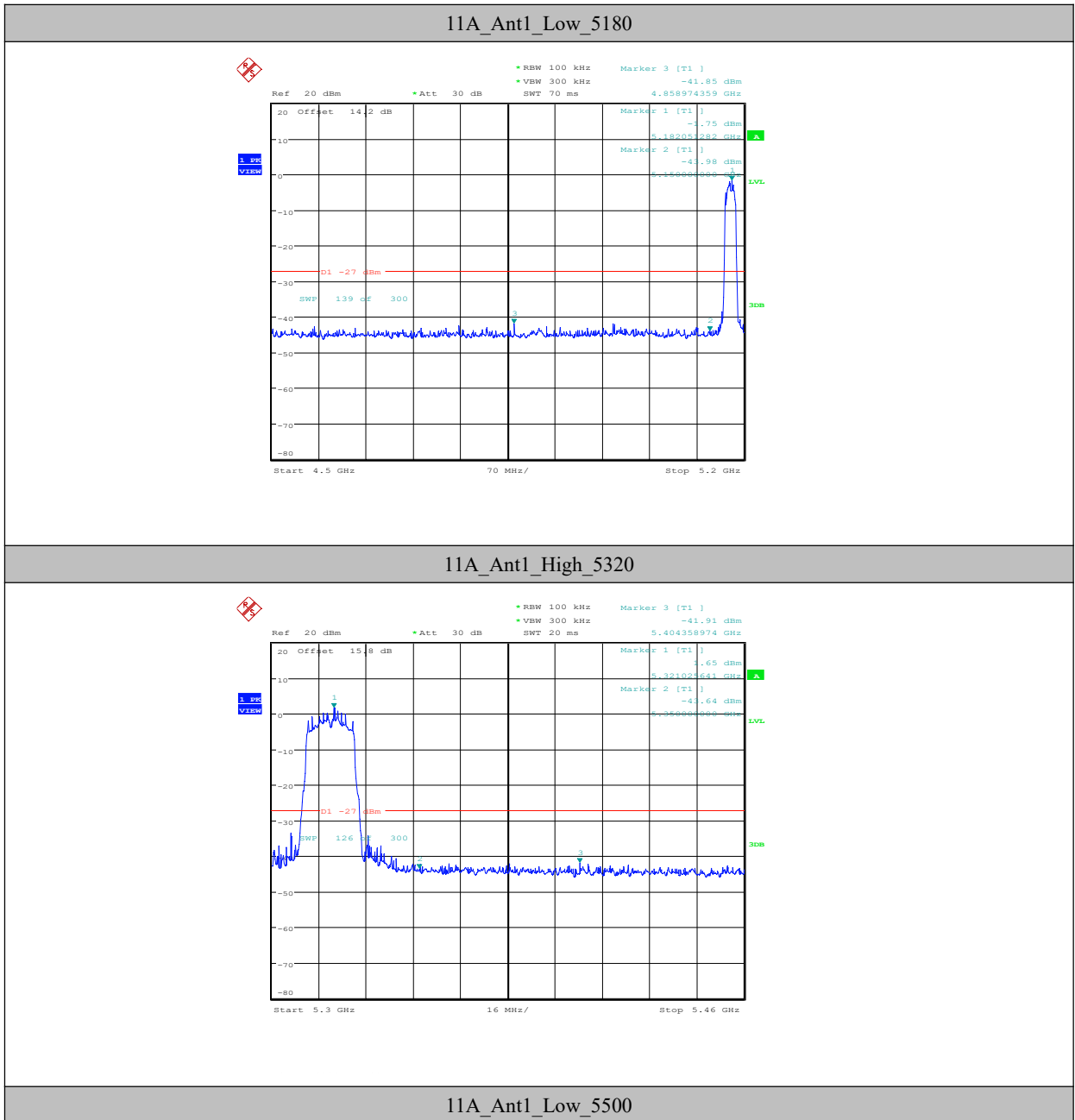
### 6.5.1.3 Test Result

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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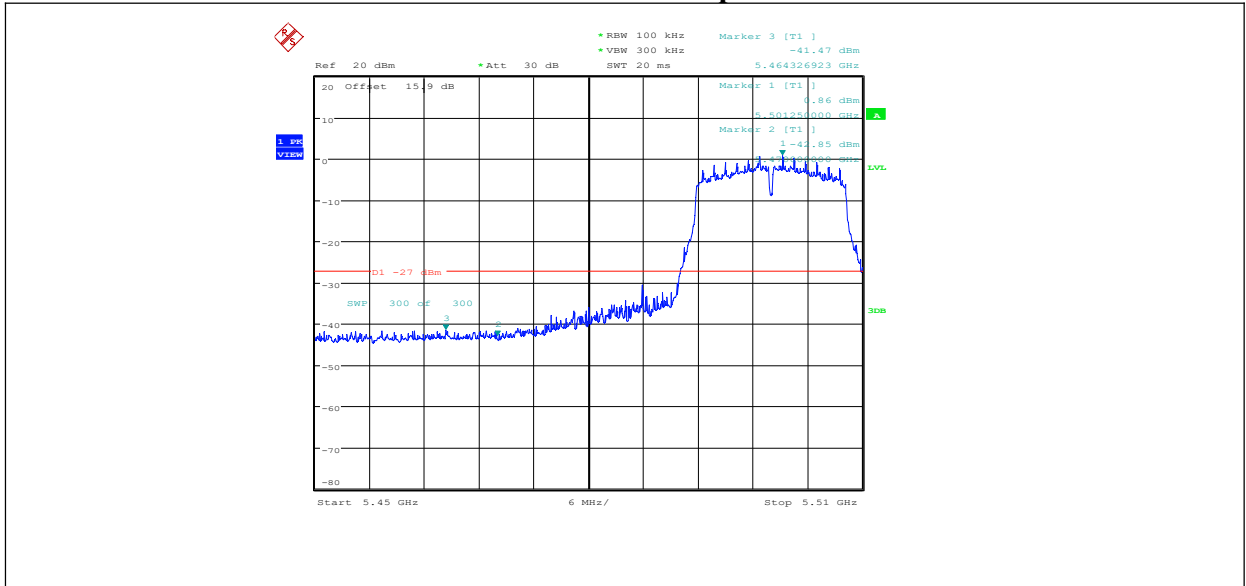
Test Graphs



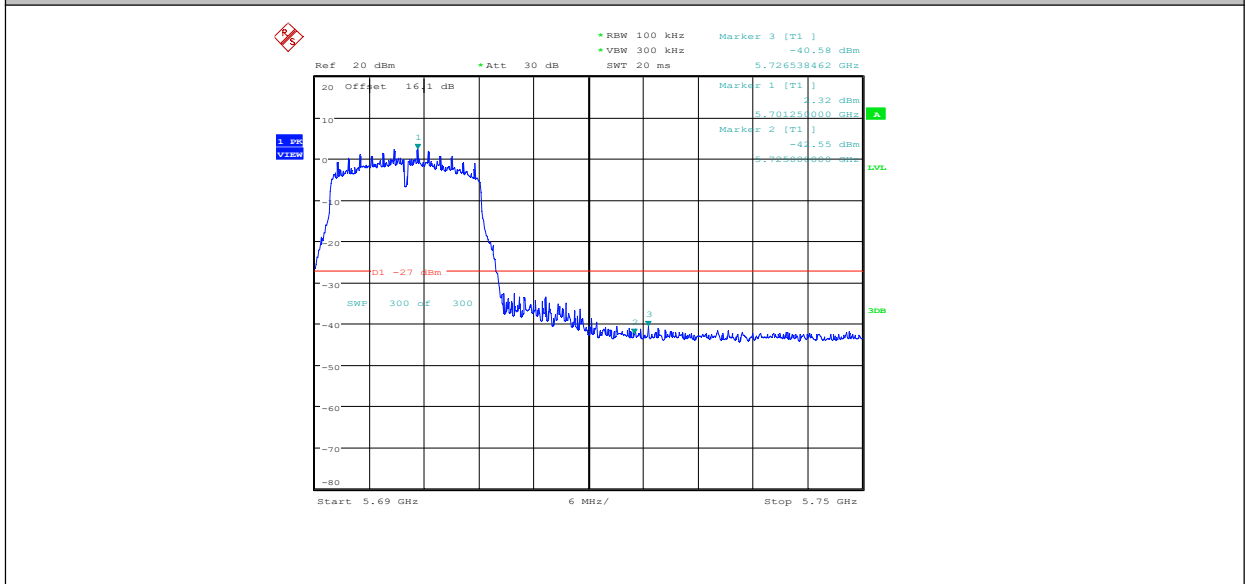
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Tel: 0086-23-88069965 FAX: 0086-23-88608777

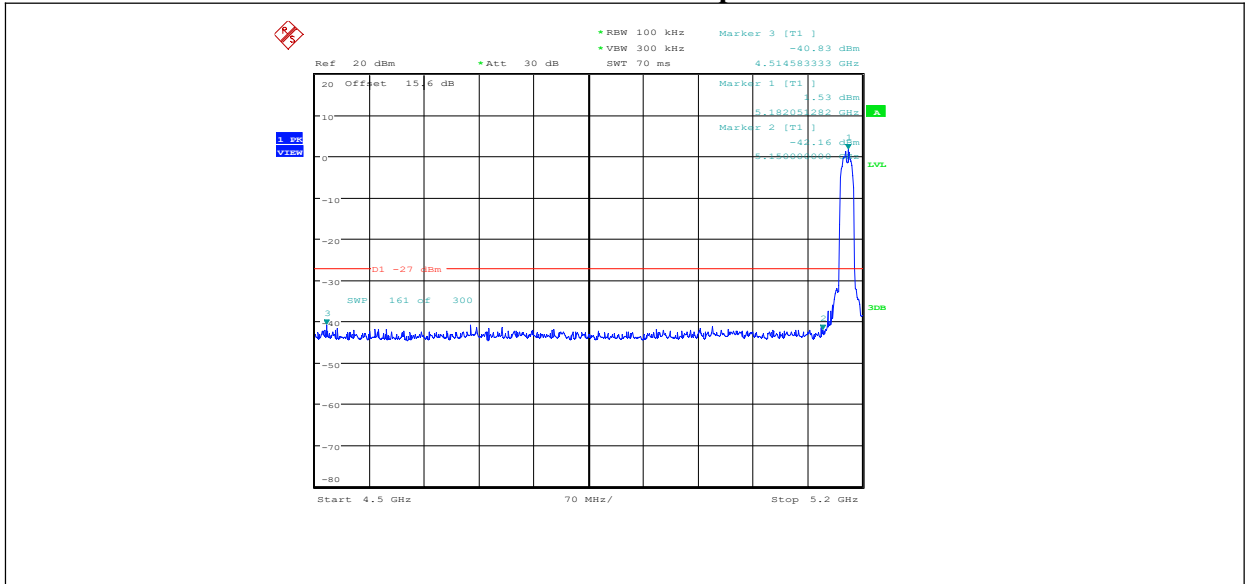




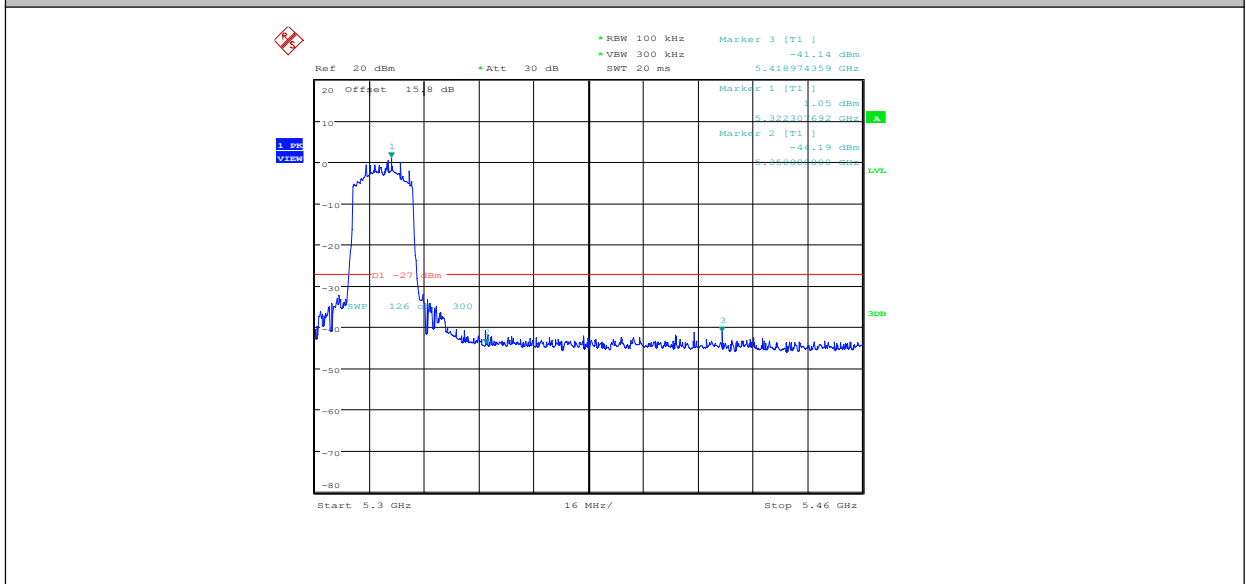
11A\_Ant1\_High\_5700



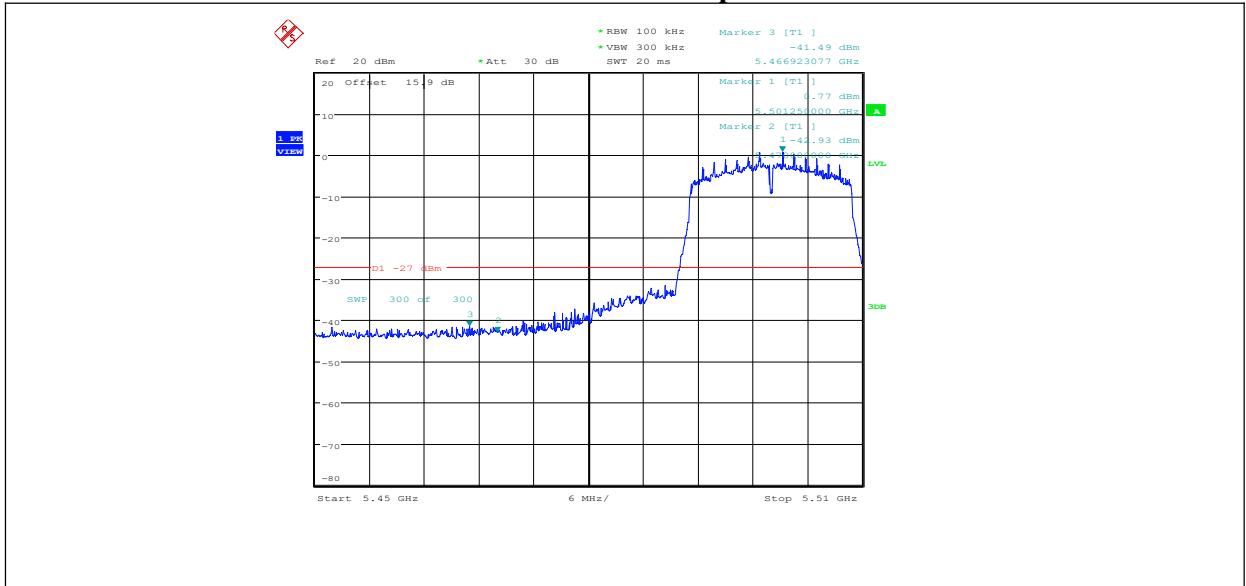
11N20SISO\_Ant1\_Low\_5180



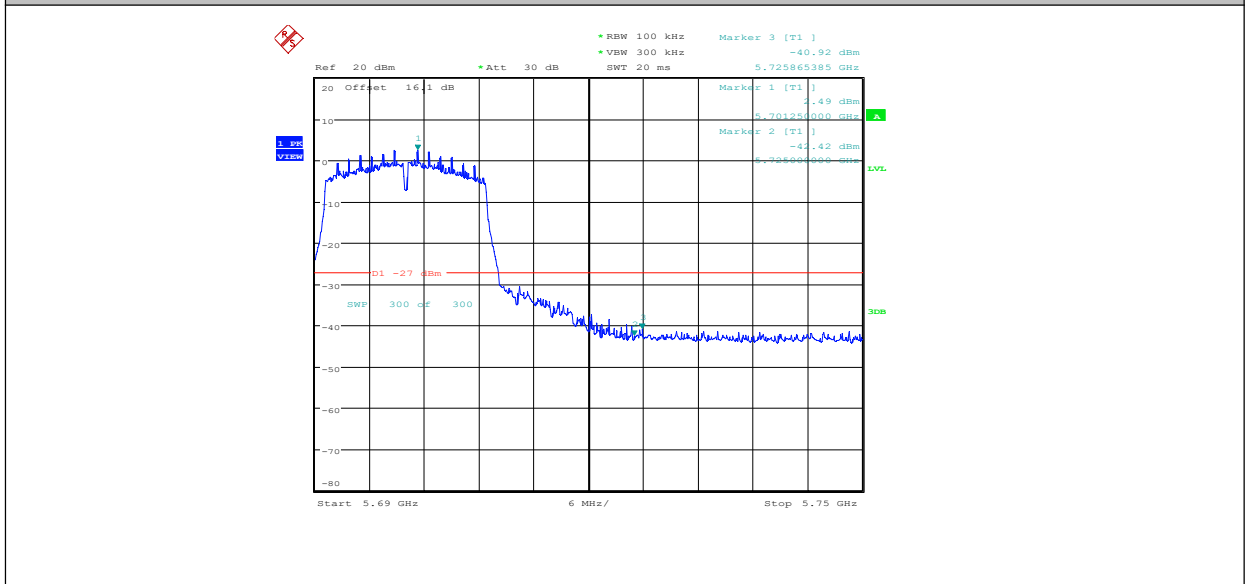
11N20SISO\_Ant1\_High\_5320



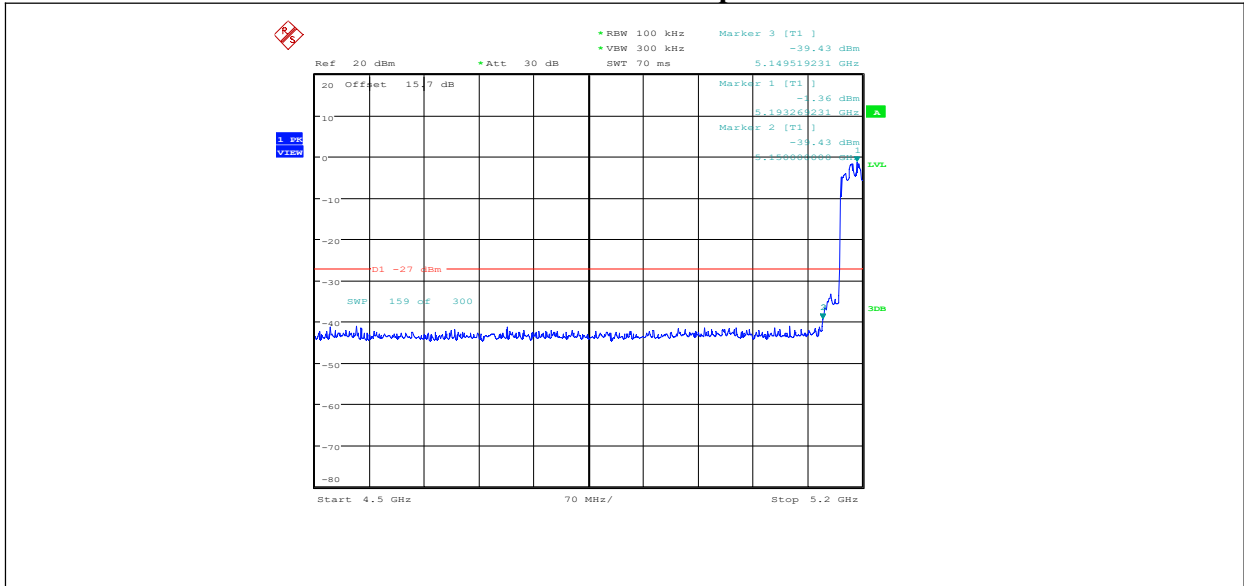
11N20SISO\_Ant1\_Low\_5500



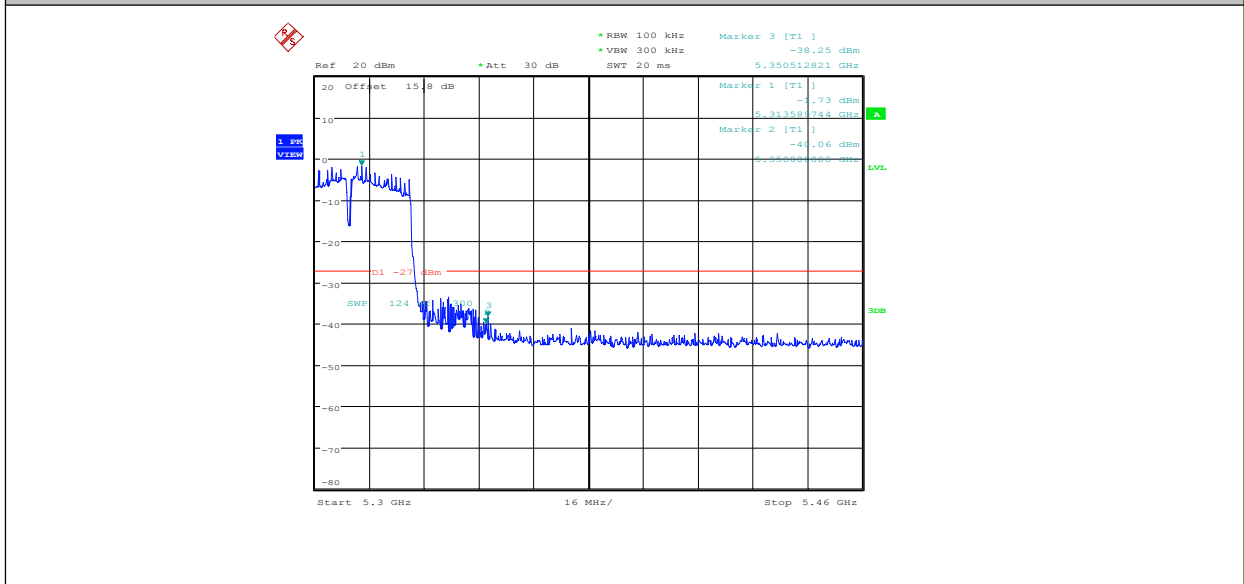
11N20SISO\_Ant1\_High\_5700



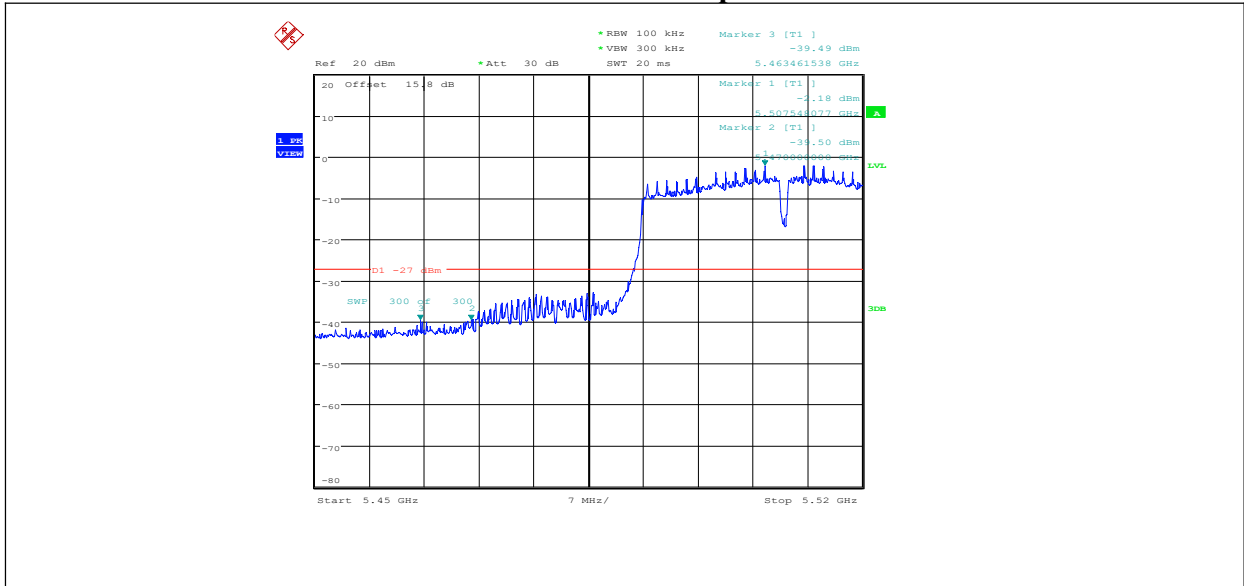
11N40SISO\_Ant1\_Low\_5190



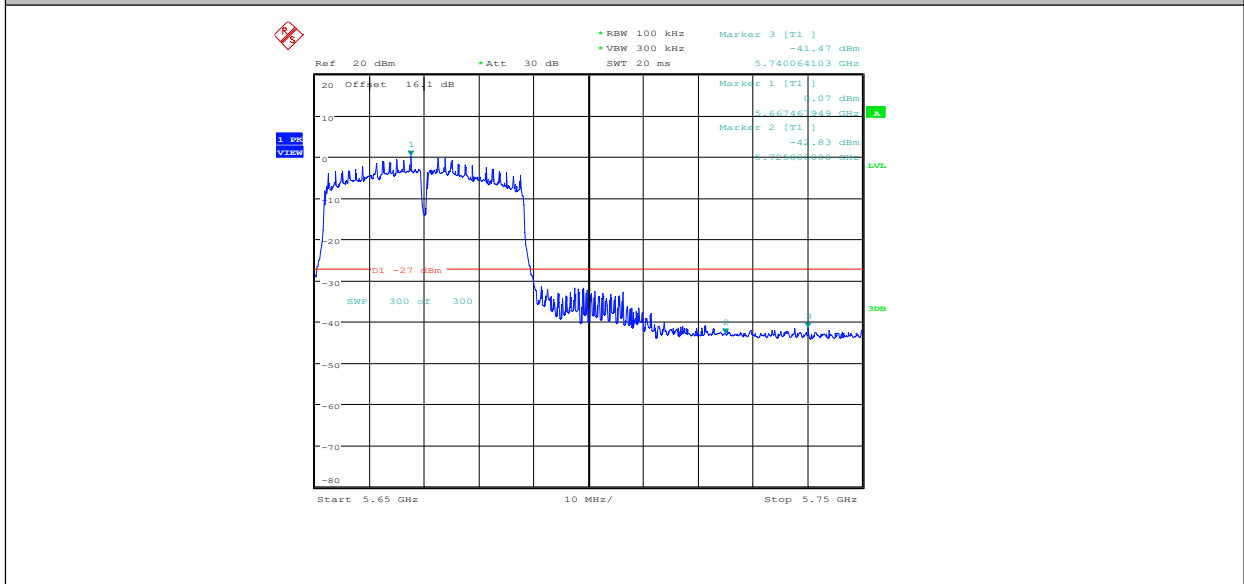
11N40SISO\_Ant1\_High\_5310



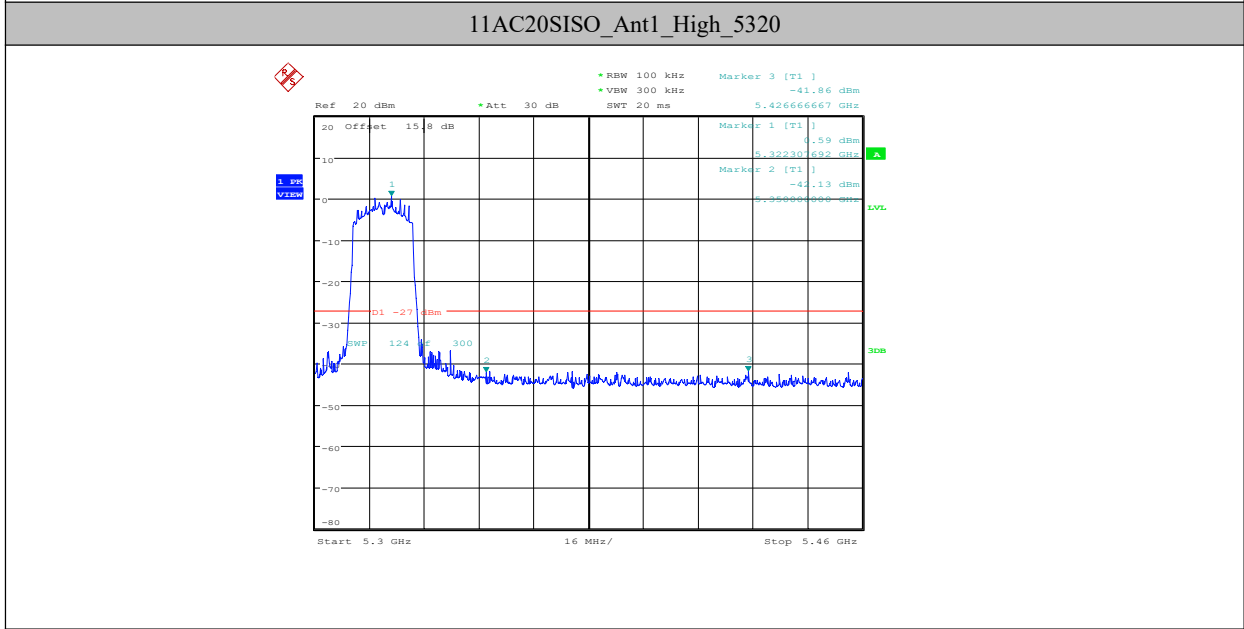
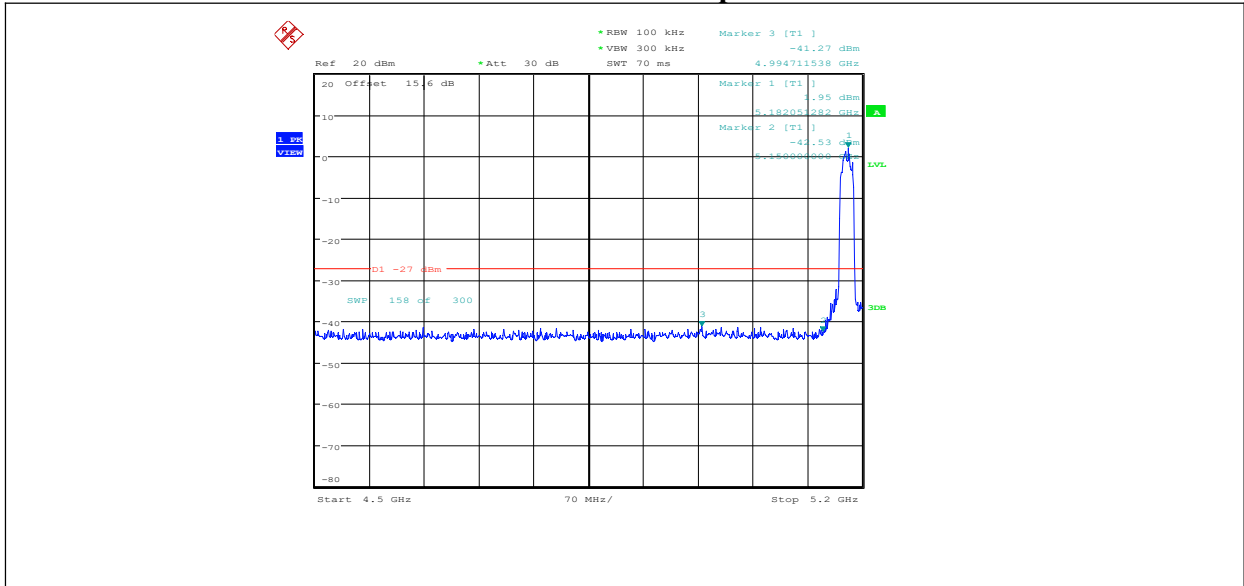
11N40SISO\_Ant1\_Low\_5510

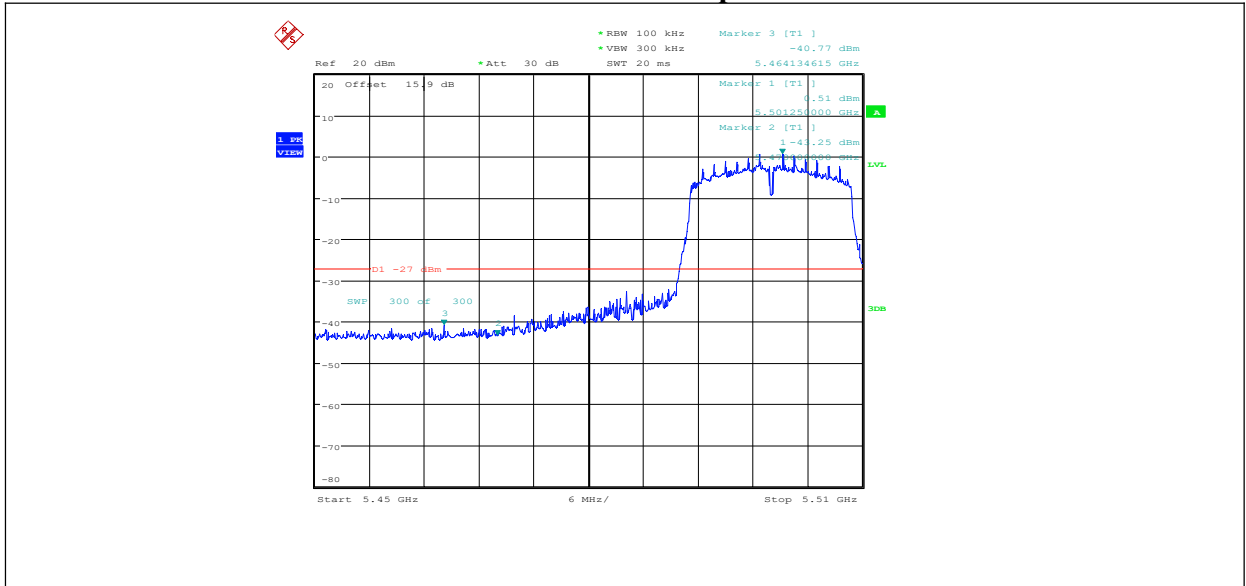


11N40SISO\_Ant1\_High\_5670

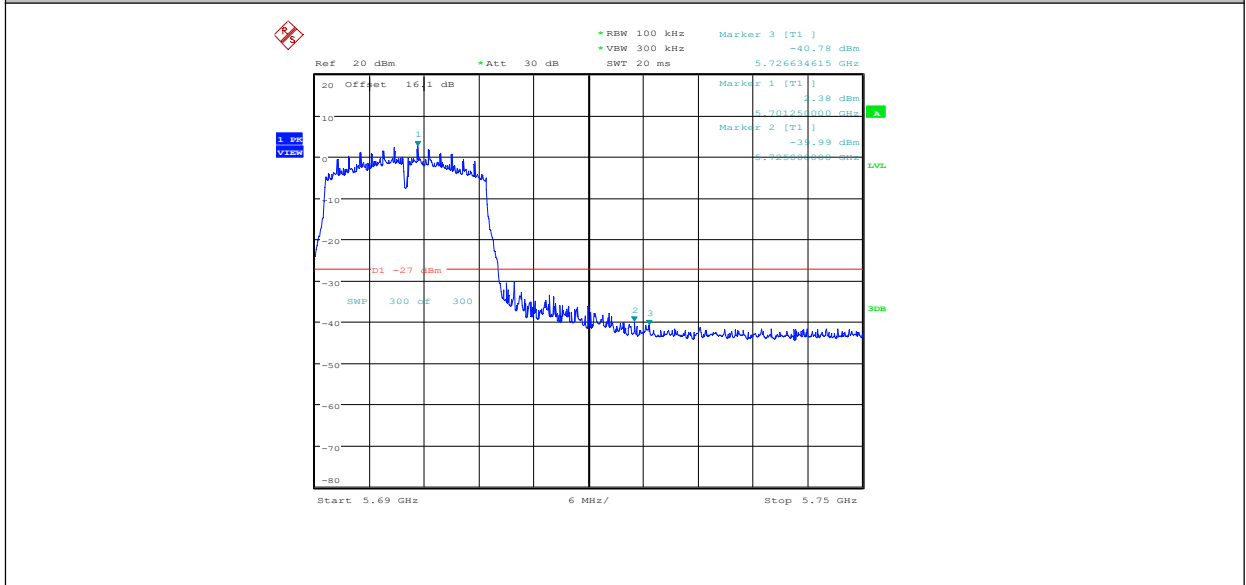


11AC20SISO\_Ant1\_Low\_5180

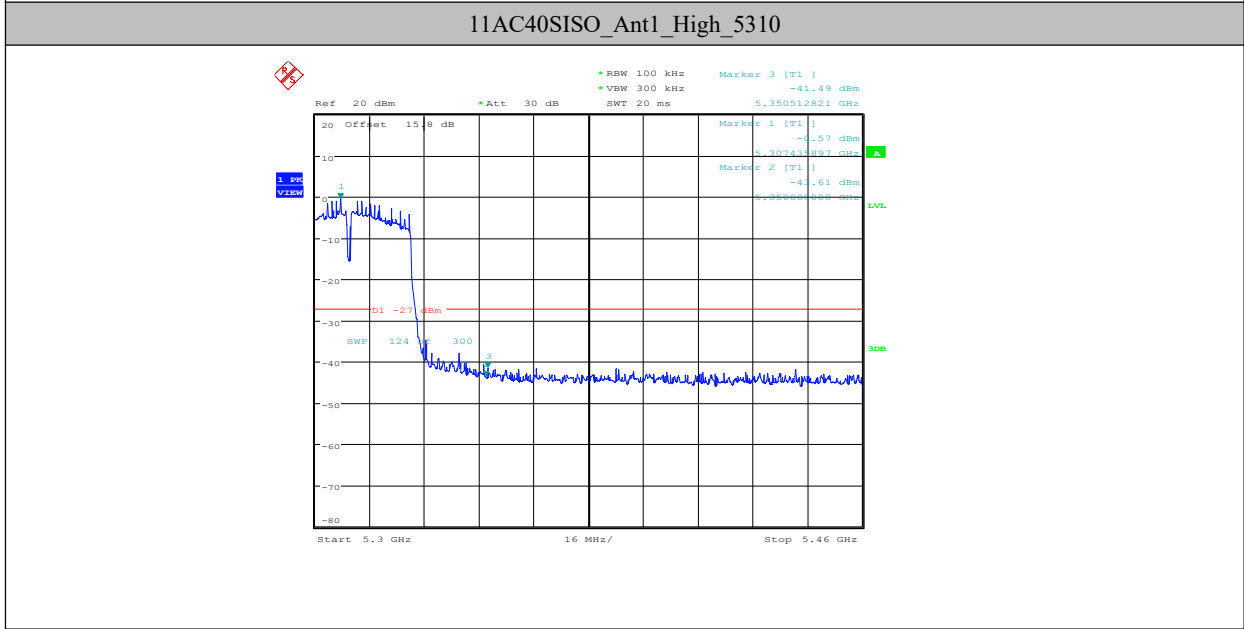
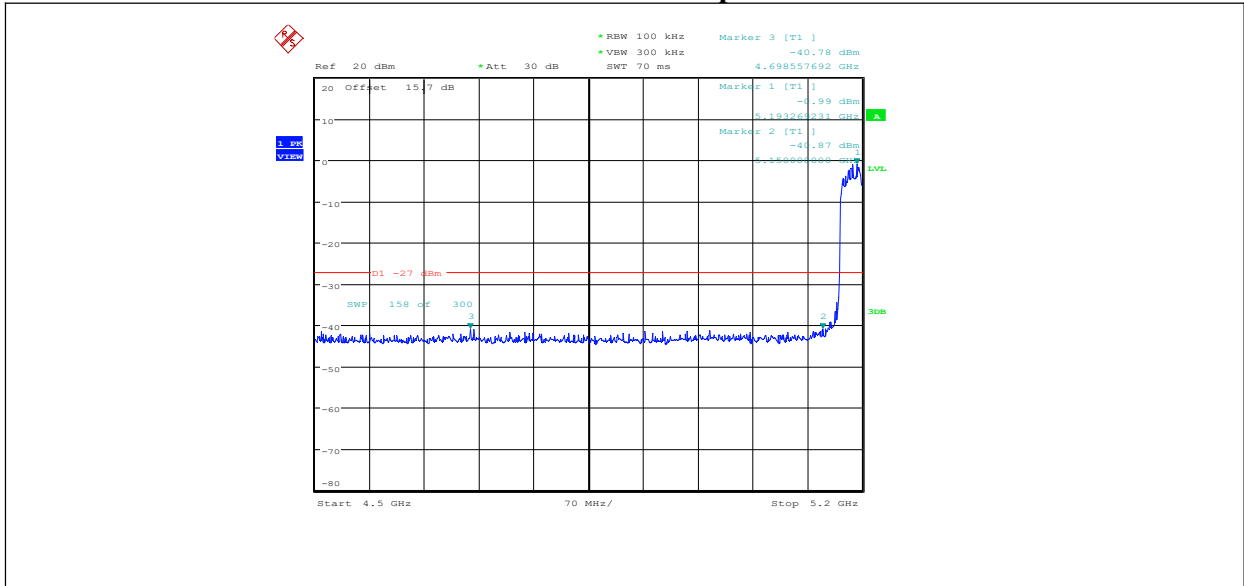




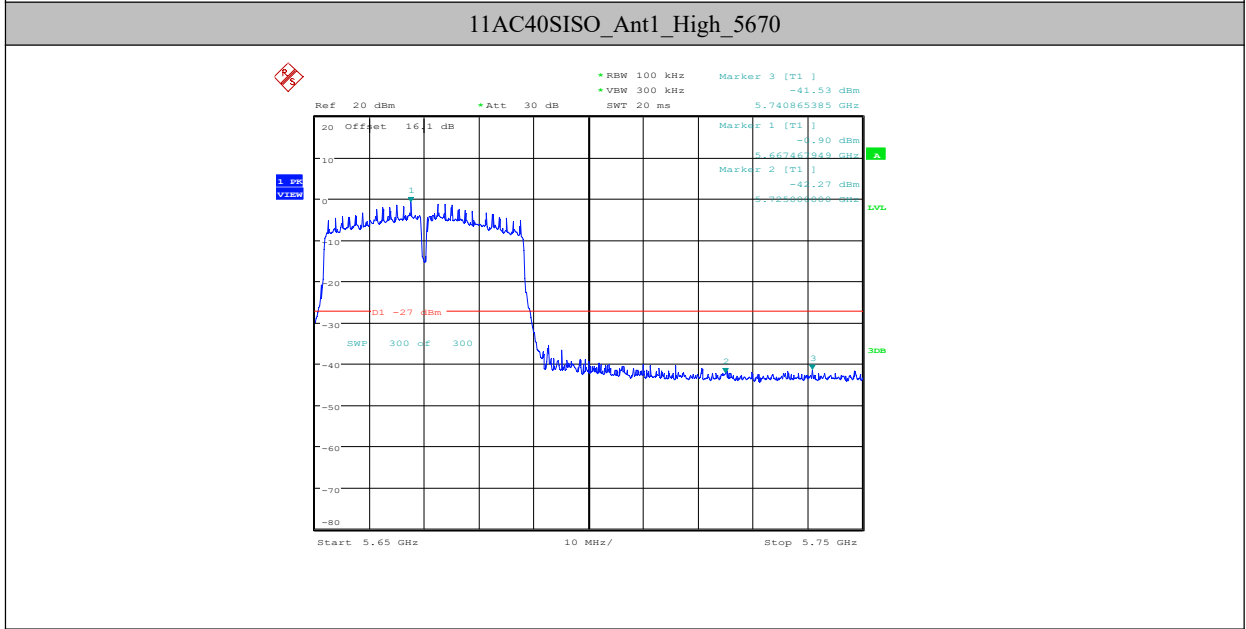
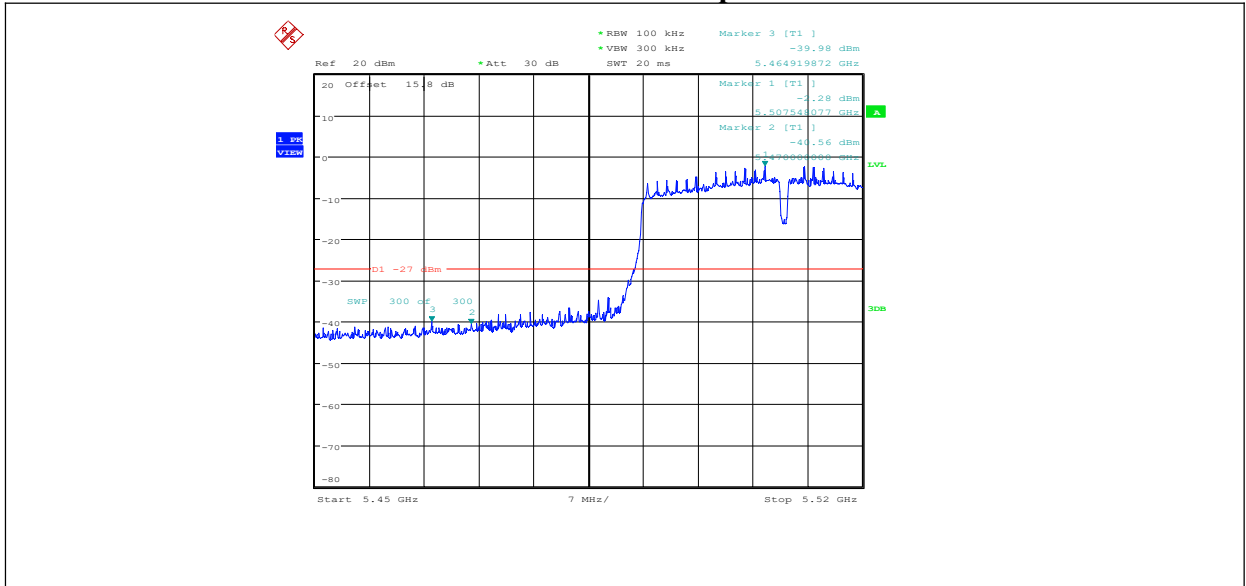
11AC20SISO\_Ant1\_High\_5700

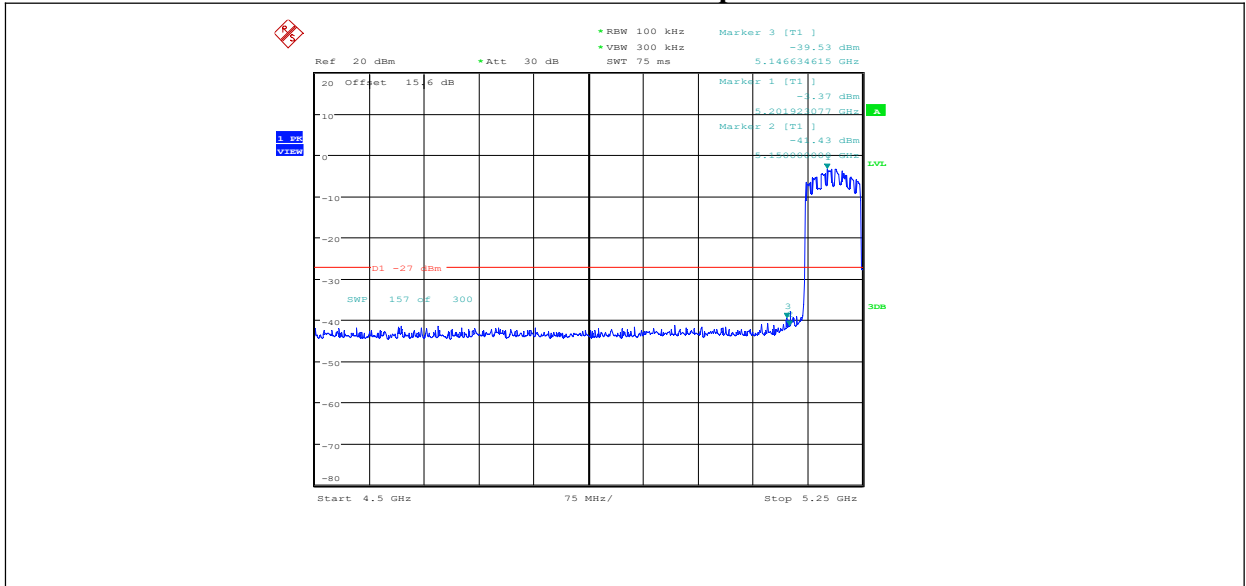


11AC40SISO\_Ant1\_Low\_5190

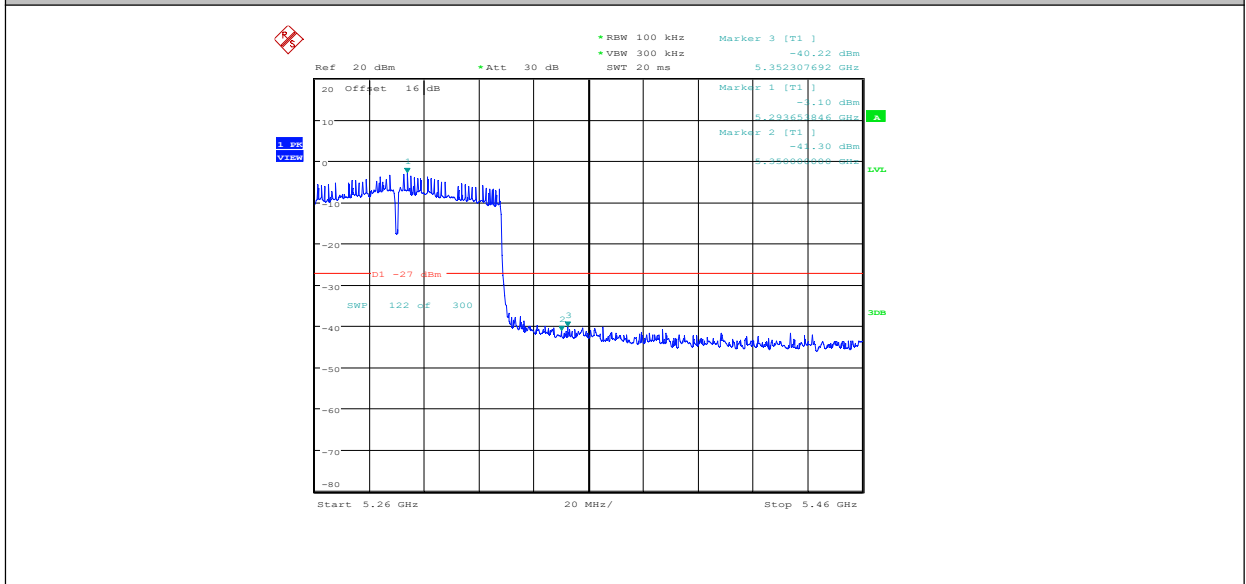




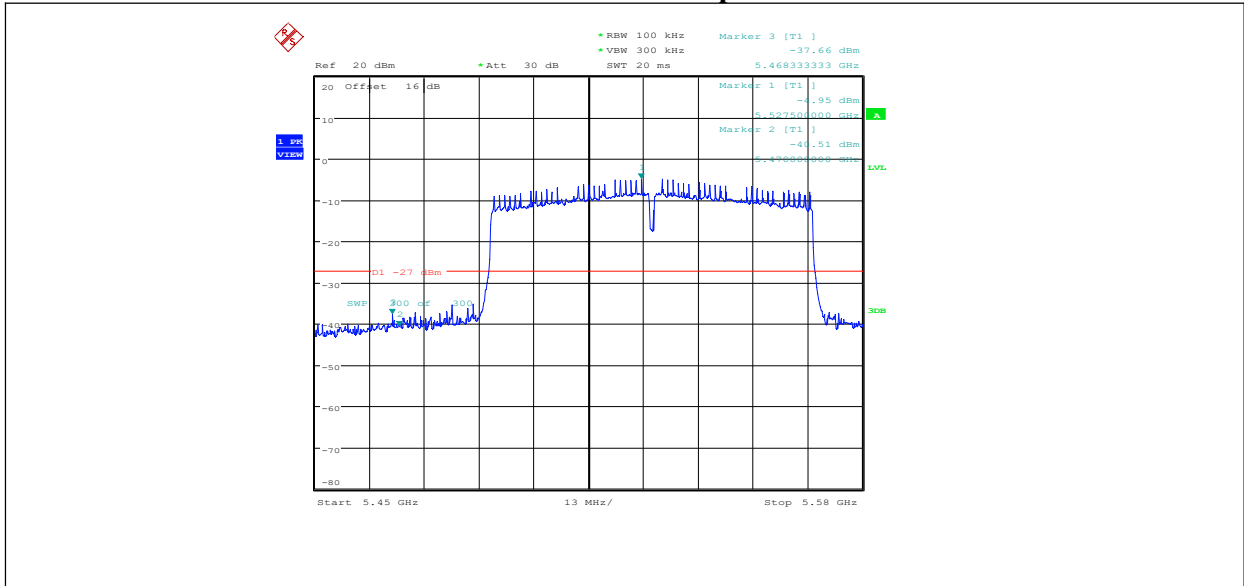




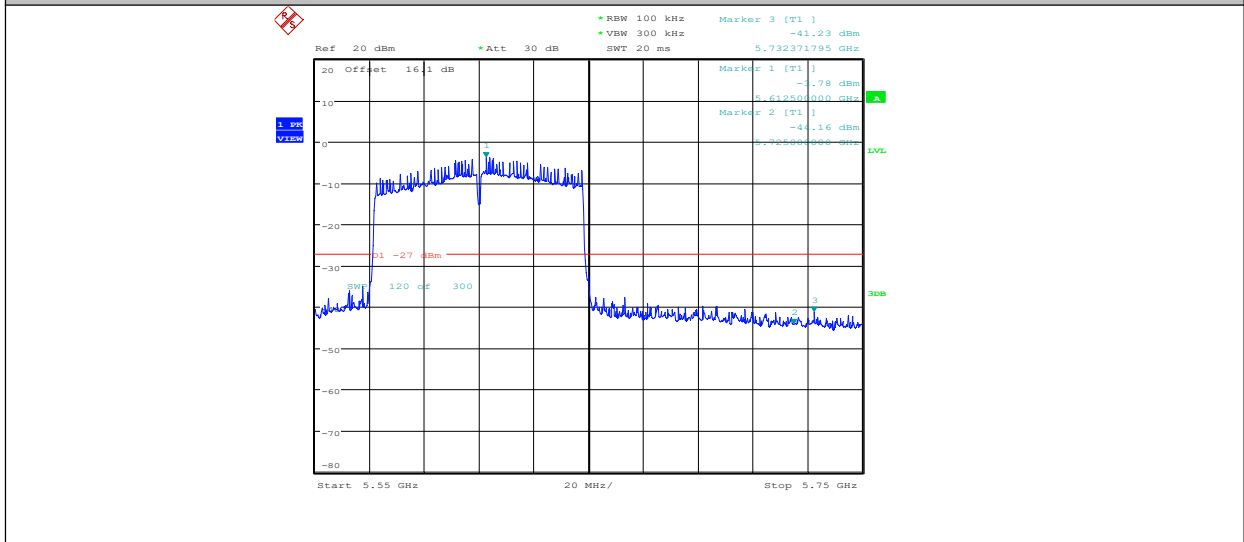
11AC80SISO\_Ant1\_High\_5290



11AC80SISO\_Ant1\_Low\_5530



11AC80SISO\_Ant1\_High\_5610



Band Edges - Radiated

Measurement Limit:

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

The measurement is made according to KDB 789033.

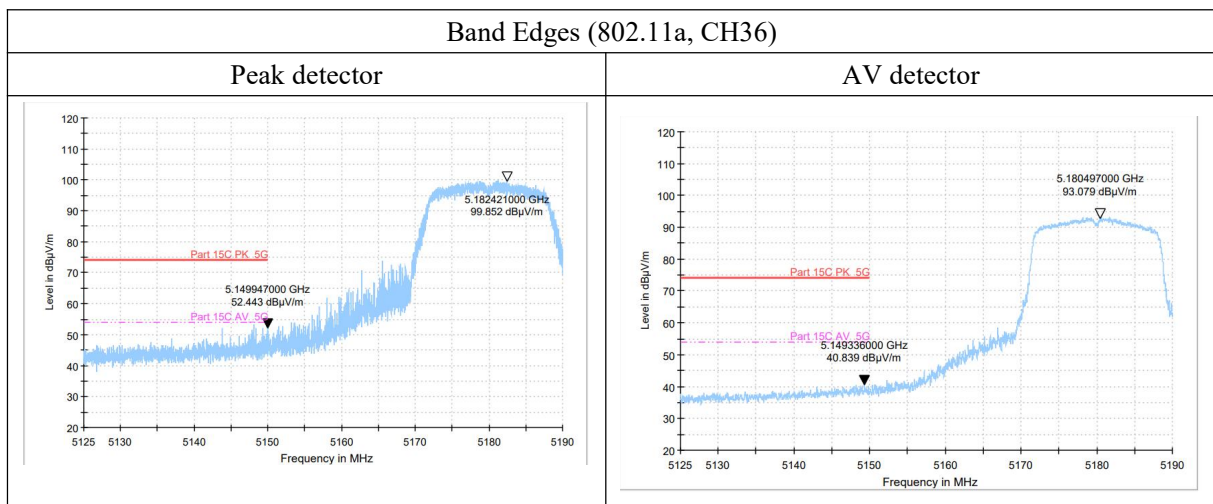
For maximum emissions measurements, follow the procedures described in II.G.5., “Procedures for Unwanted Maximum Emissions Measurements above 1000 MHz,” except for the following changes:

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:

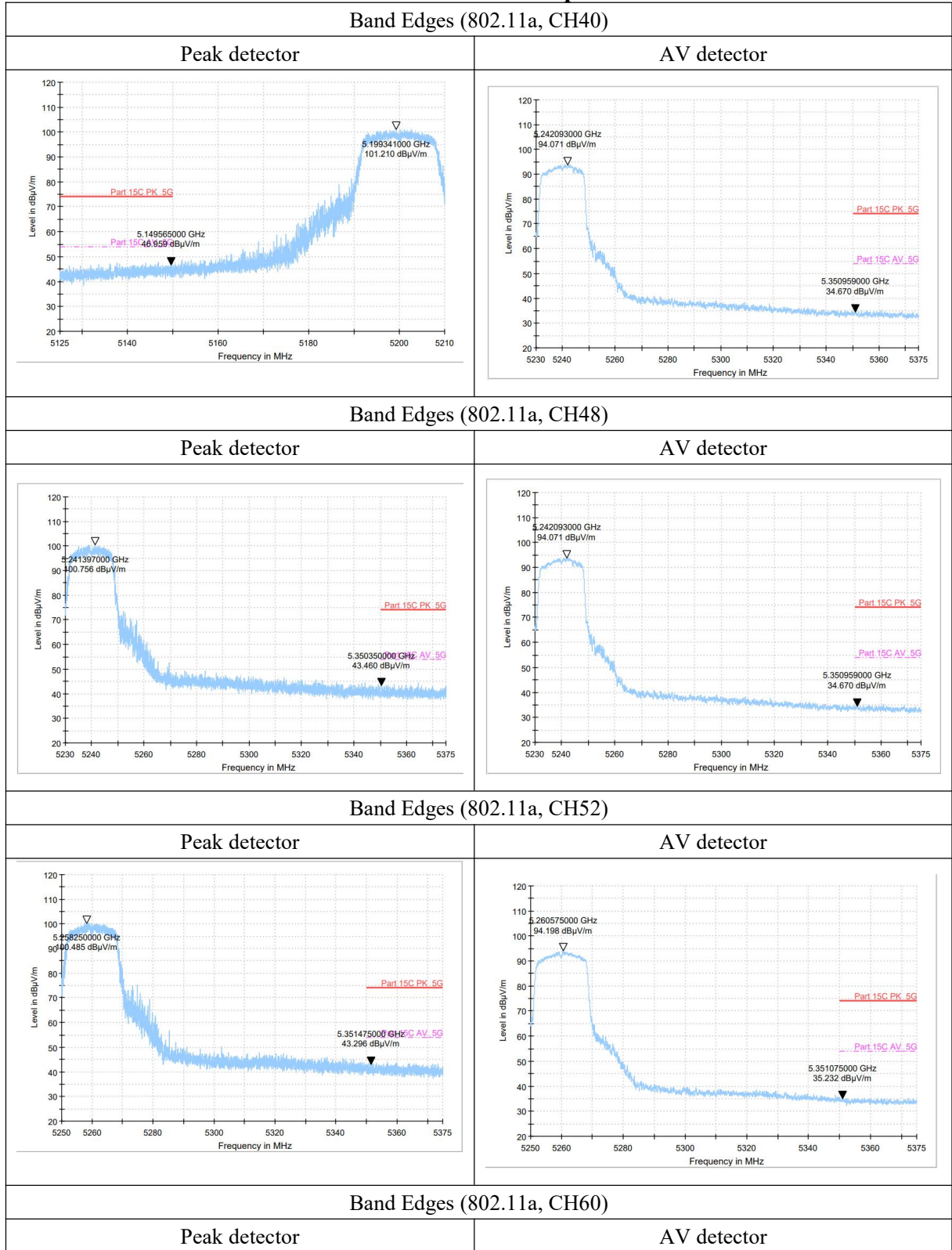
1. Set RBW = 100 kHz
2. Set VBW  $\geq 3 \times$  RBW
3. Perform a band-power integration across the 1 MHz bandwidth in which the band-edge emission level is to be measured.

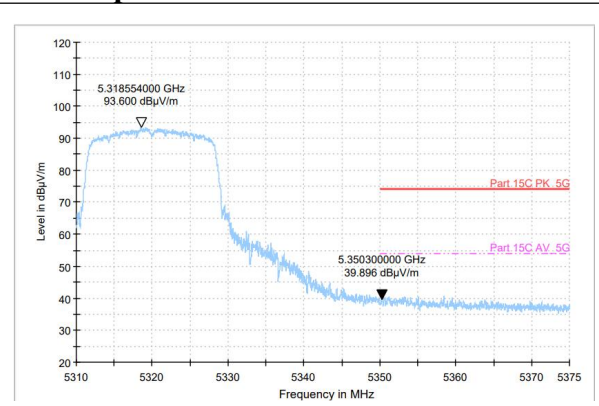
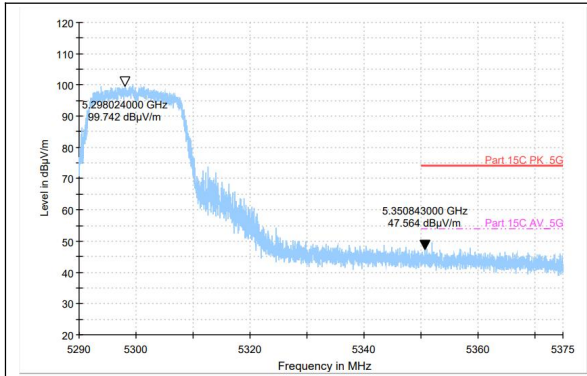
Test Result:



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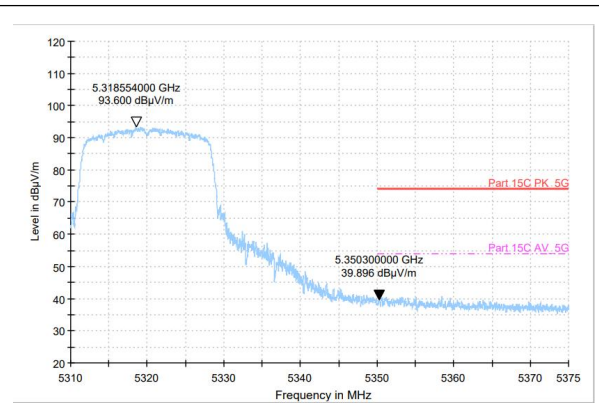
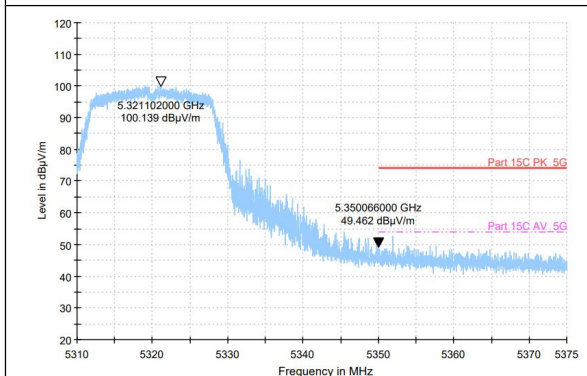




Band Edges (802.11a, CH64)

Peak detector

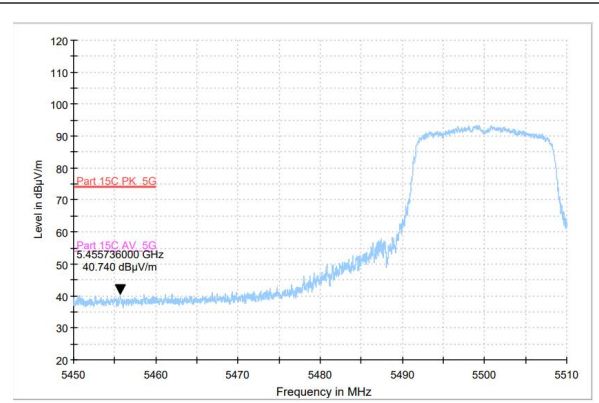
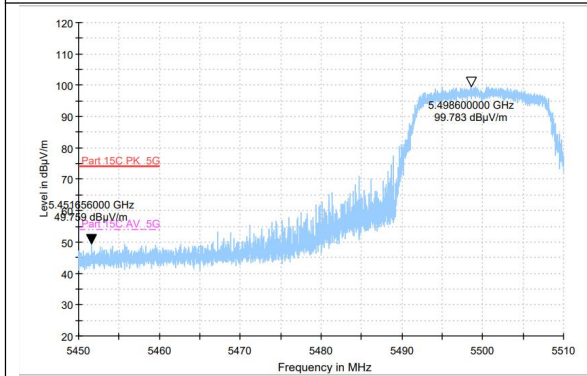
AV detector



Band Edges (802.11a, CH100)

Peak detector

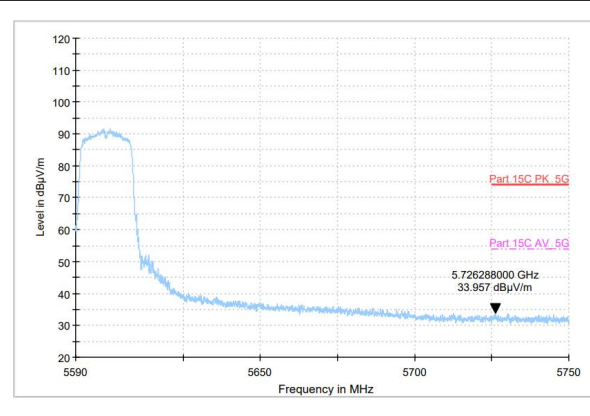
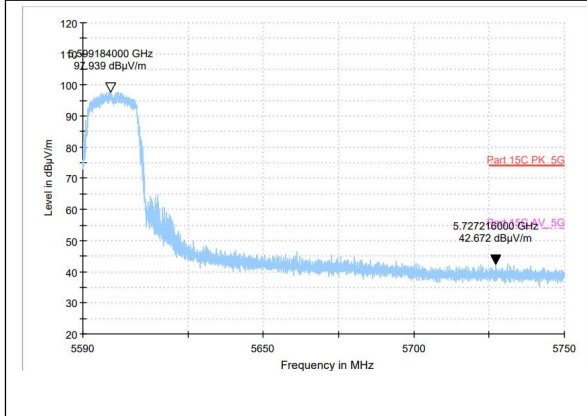
AV detector



Band Edges (802.11a, CH120)

Peak detector

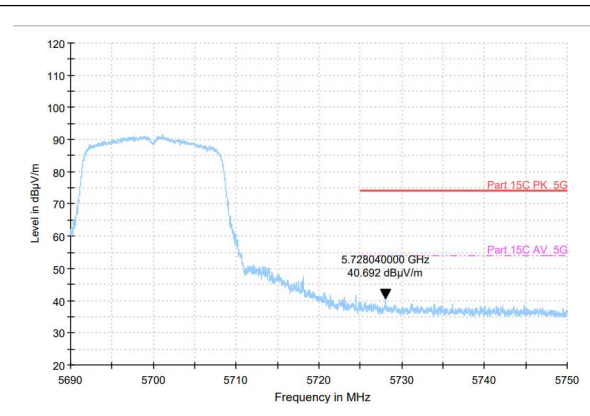
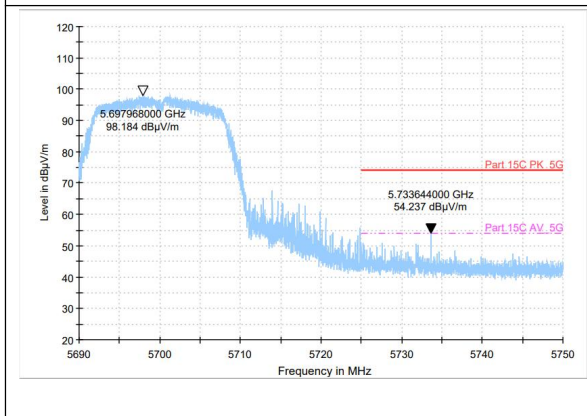
AV detector



Band Edges (802.11a, CH140)

Peak detector

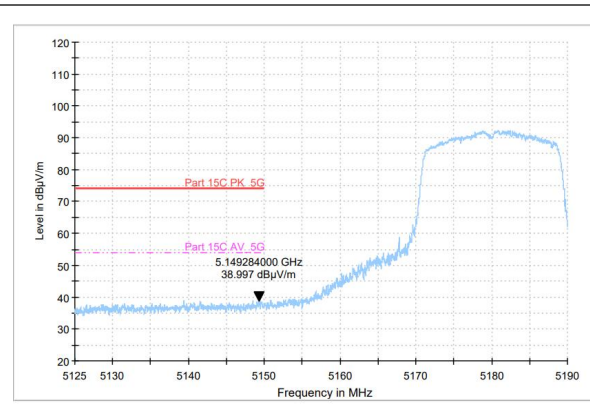
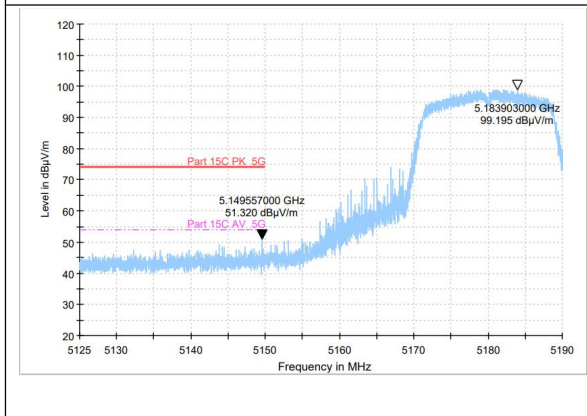
AV detector



Band Edges (802.11n, CH36)

Peak detector

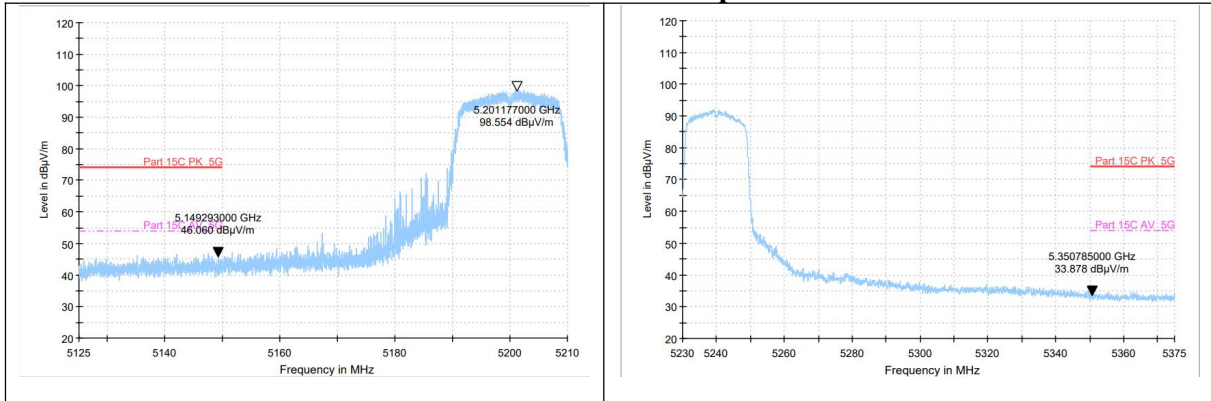
AV detector



Band Edges (802.11n, CH40)

Peak detector

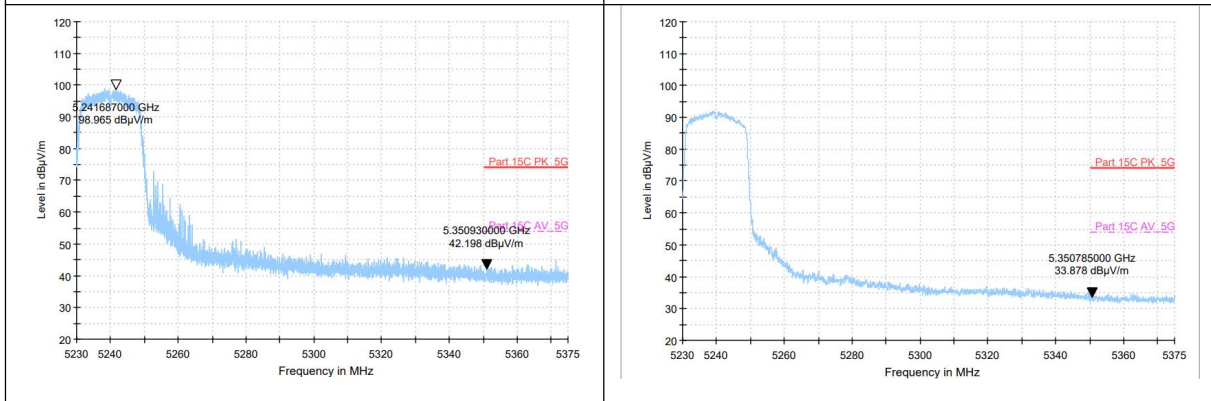
AV detector



Band Edges (802.11n, CH48)

Peak detector

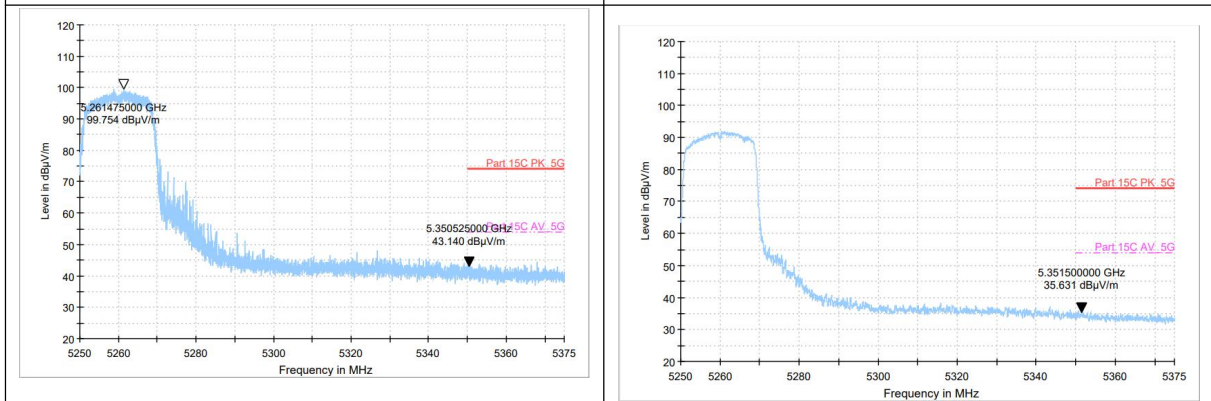
AV detector



Band Edges (802.11n, CH52)

Peak detector

AV detector

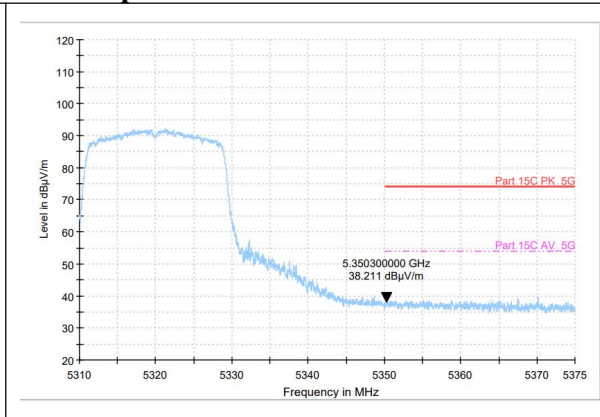
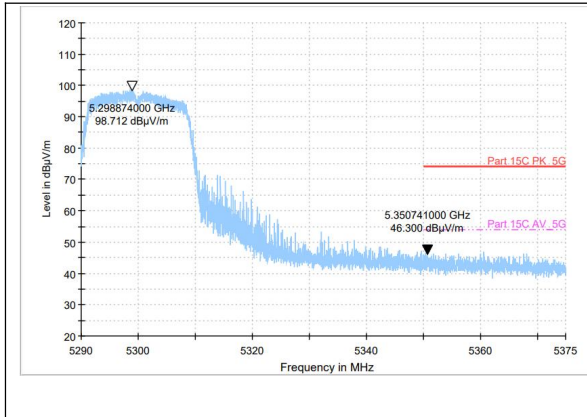


Band Edges (802.11n, CH60)

Peak detector

AV detector

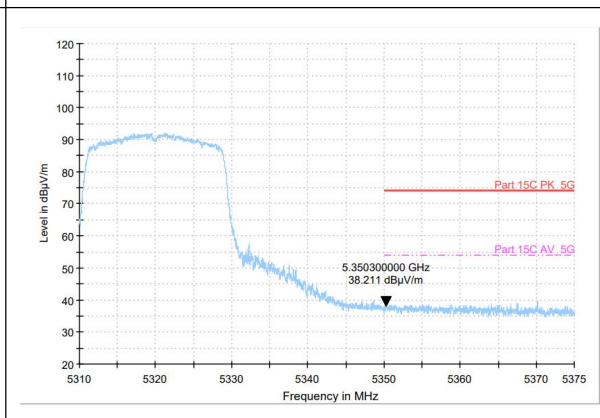
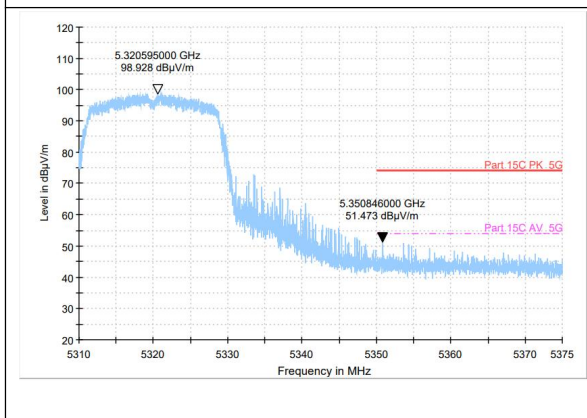




Band Edges (802.11n, CH64)

Peak detector

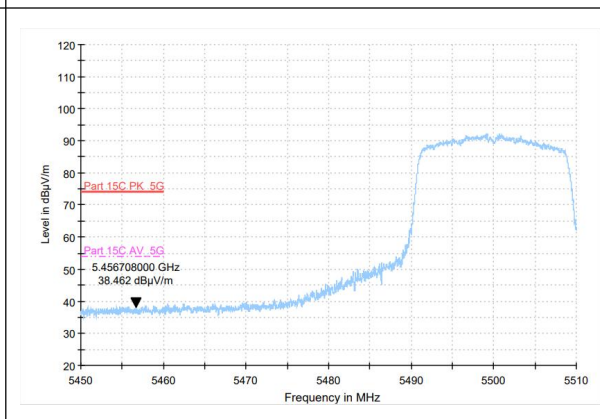
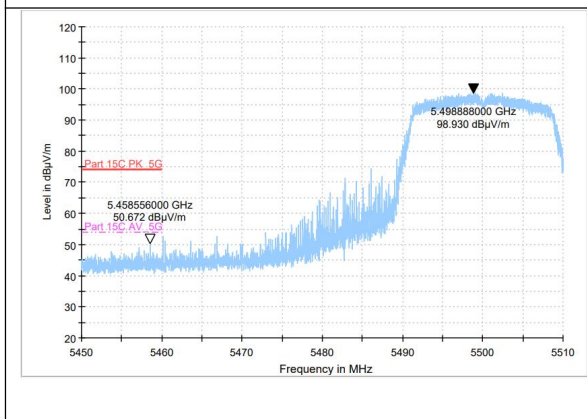
AV detector



Band Edges (802.11n, CH100)

Peak detector

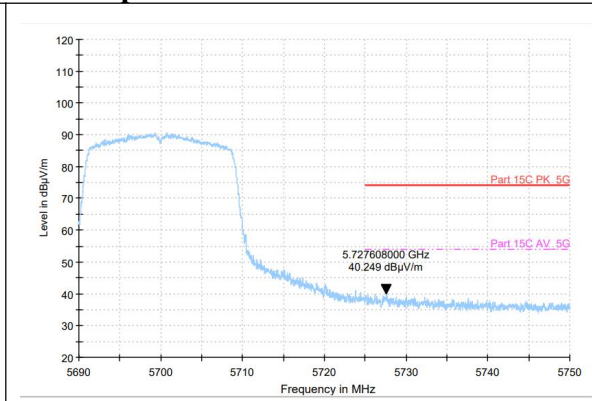
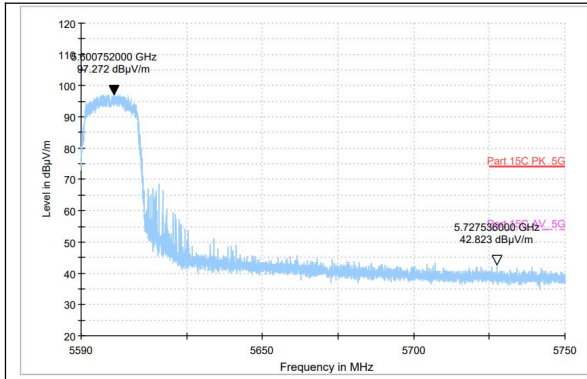
AV detector



Band Edges (802.11n, CH120)

Peak detector

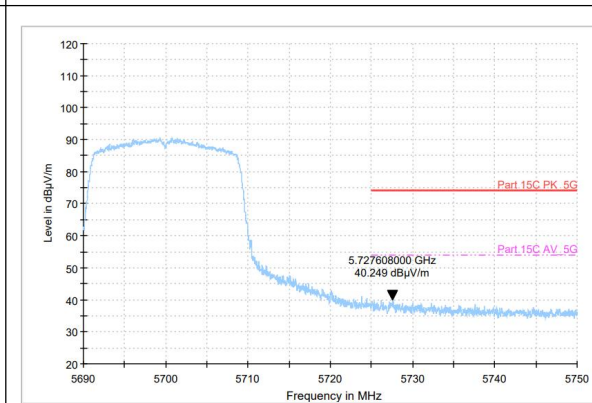
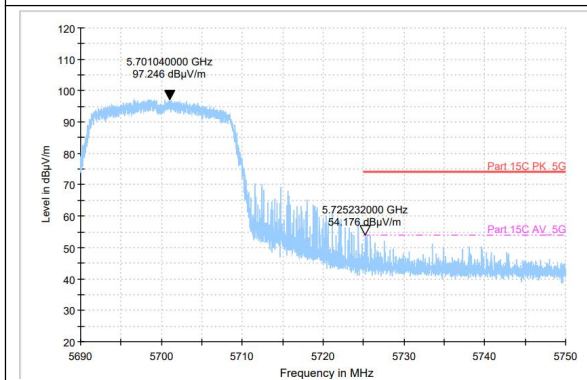
AV detector



Band Edges (802.11n, CH140)

Peak detector

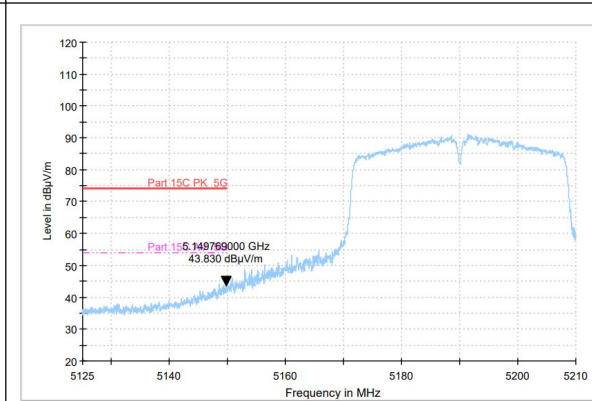
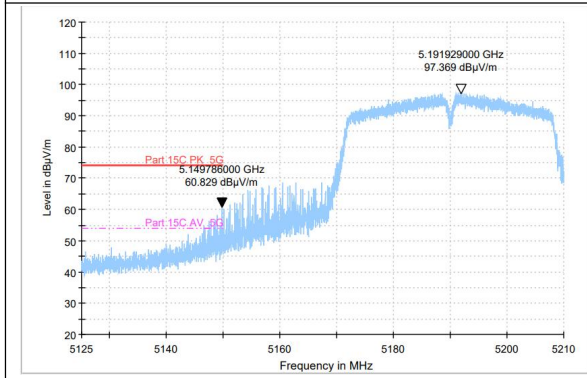
AV detector



Band Edges (802.11n 40m, CH38)

Peak detector

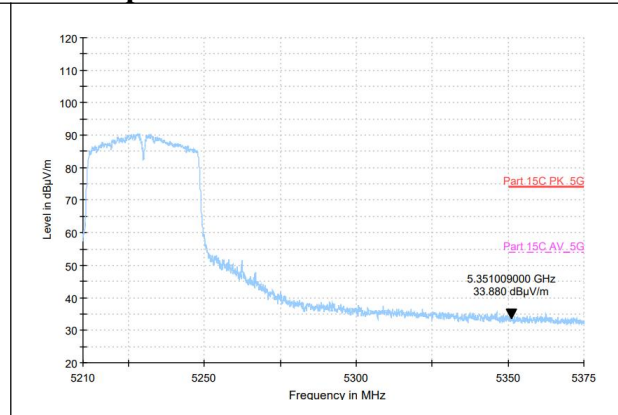
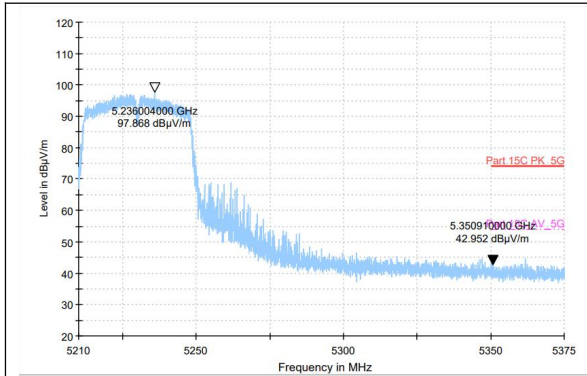
AV detector



Band Edges (802.11n 40m, CH46)

Peak detector

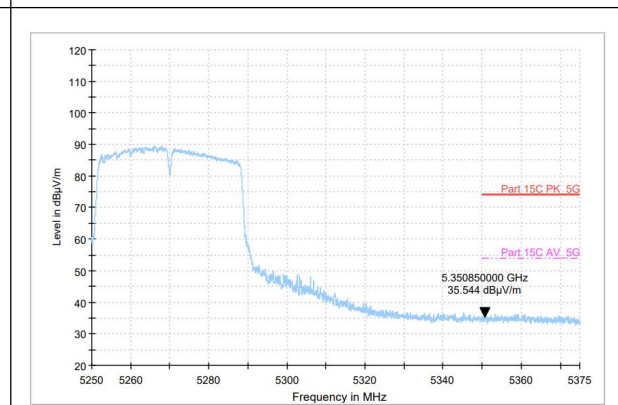
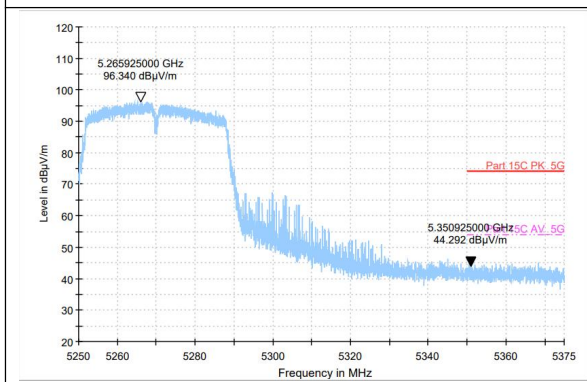
AV detector



Band Edges (802.11n 40m, CH54)

Peak detector

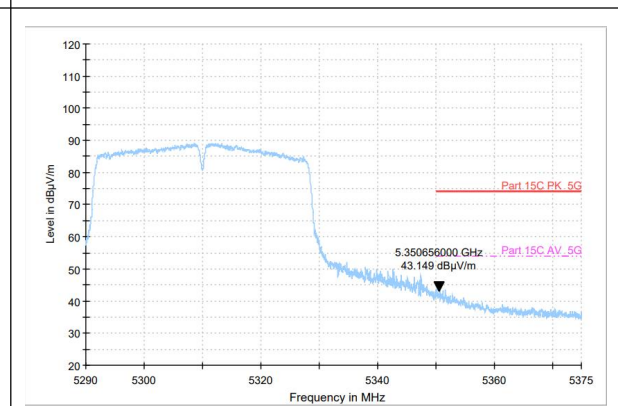
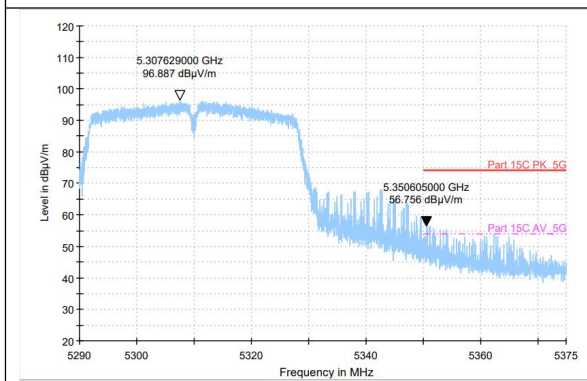
AV detector



Band Edges (802.11n 40m, CH62)

Peak detector

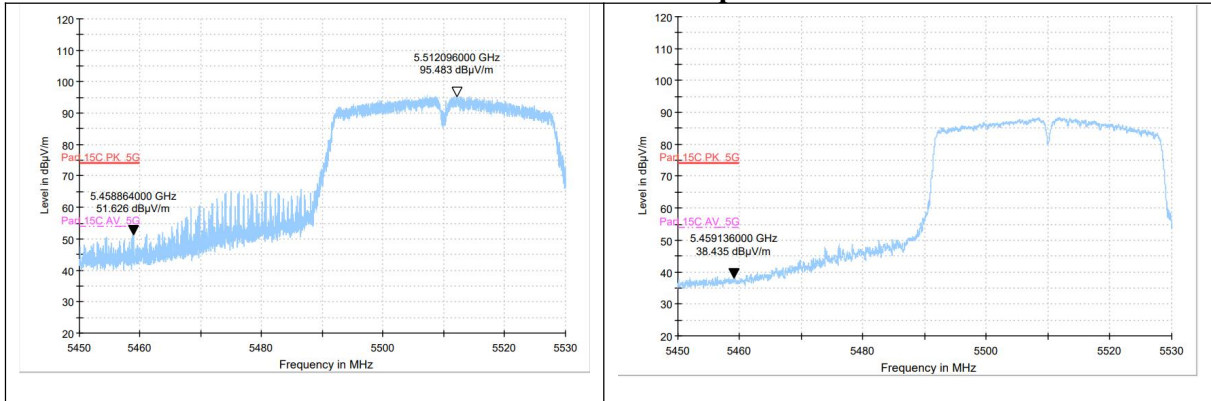
AV detector



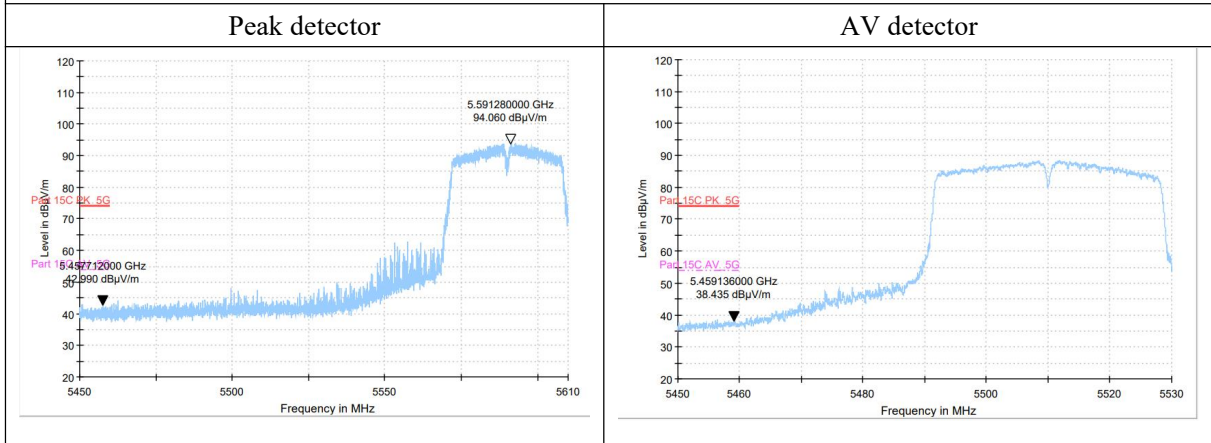
Band Edges (802.11n 40m, CH102)

Peak detector

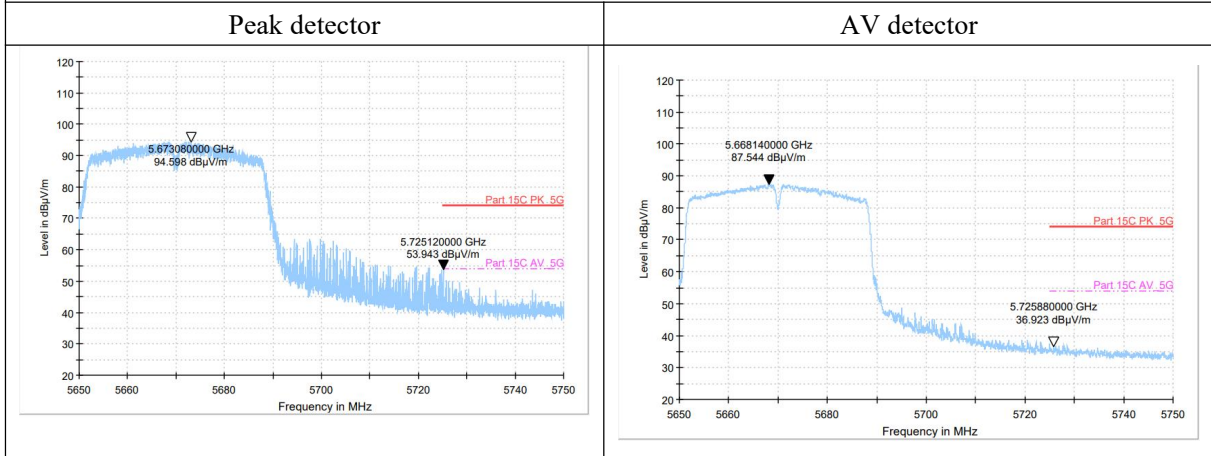
AV detector



Band Edges (802.11n 40m, CH118)

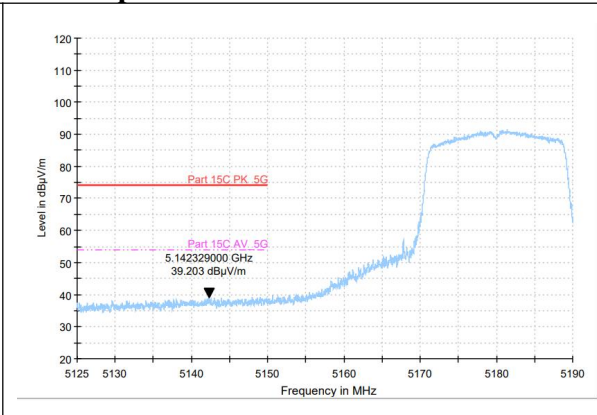
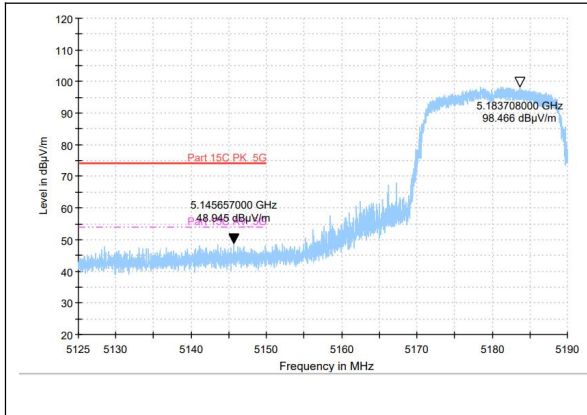


Band Edges (802.11n 40m, CH134)



Band Edges (802.11ac, CH36)

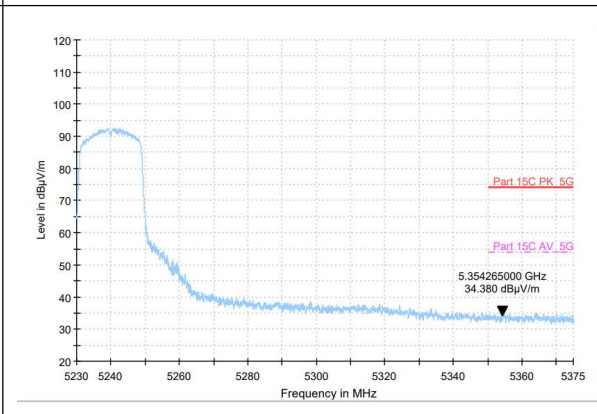
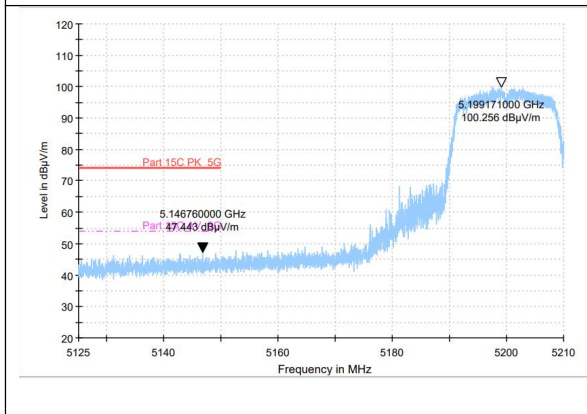




Band Edges (802.11ac, CH40)

Peak detector

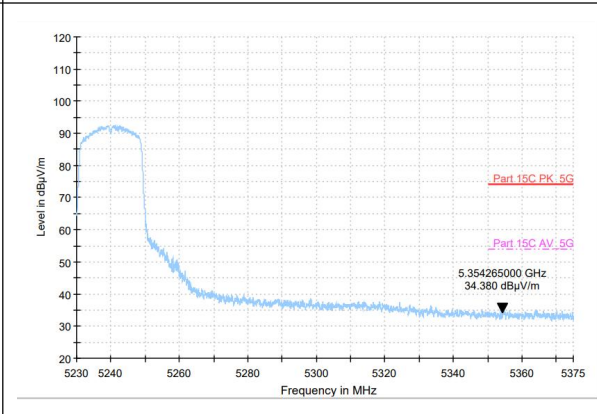
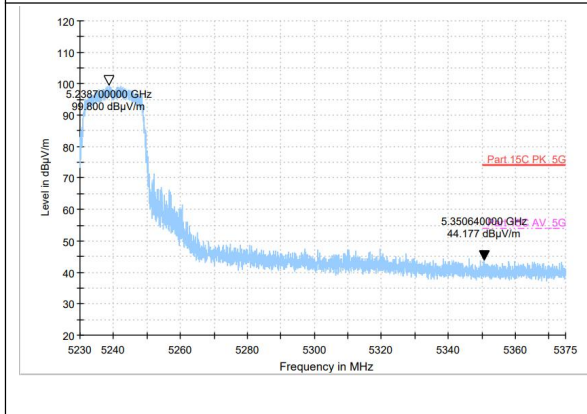
AV detector



Band Edges (802.11ac, CH48)

Peak detector

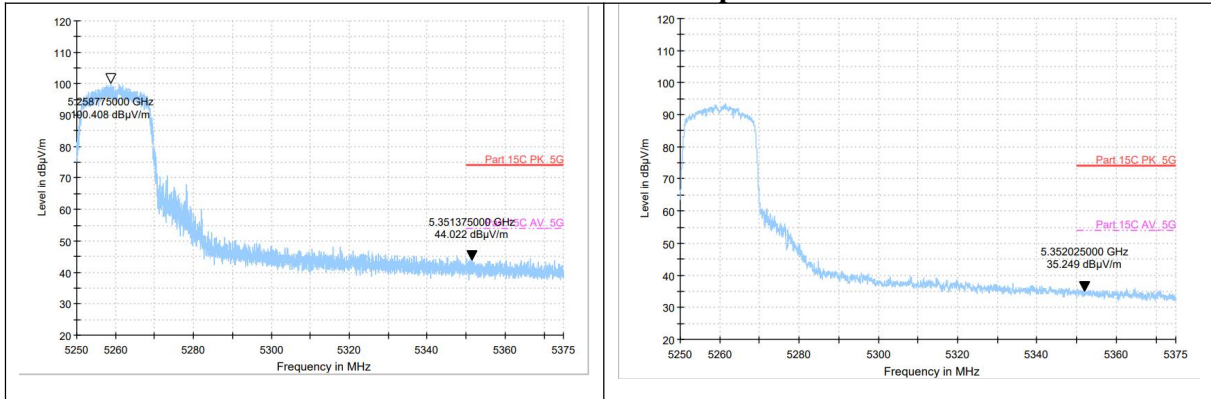
AV detector



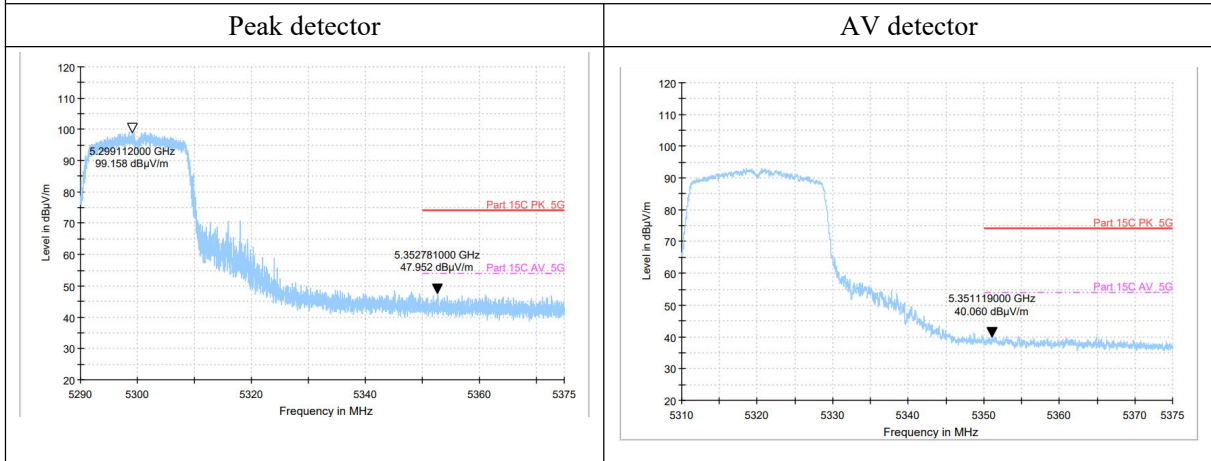
Band Edges (802.11ac, CH52)

Peak detector

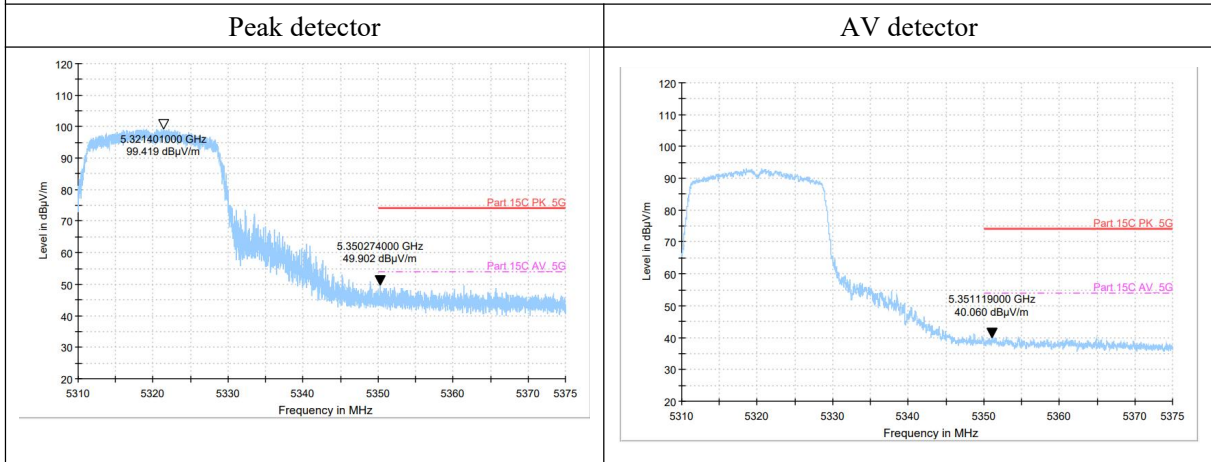
AV detector



Band Edges (802.11ac, CH60)

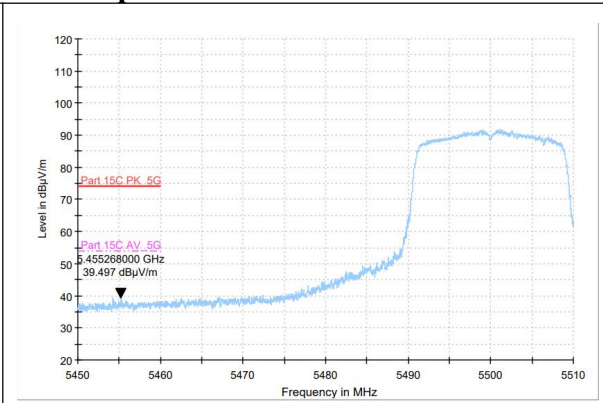
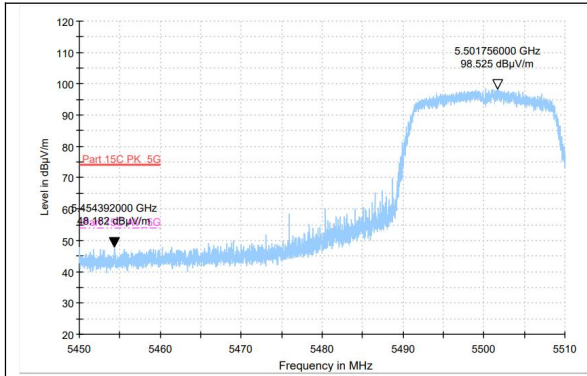


Band Edges (802.11ac, CH64)



Band Edges (802.11ac, CH100)

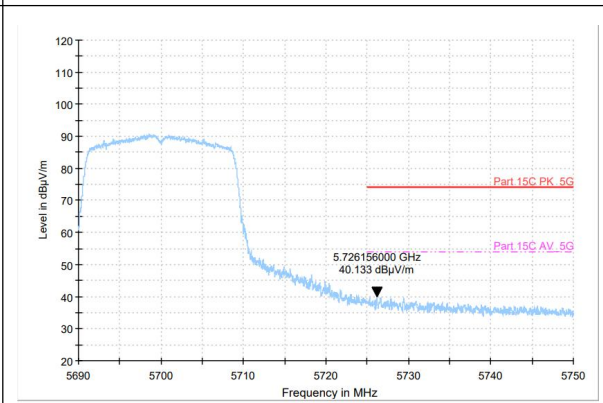
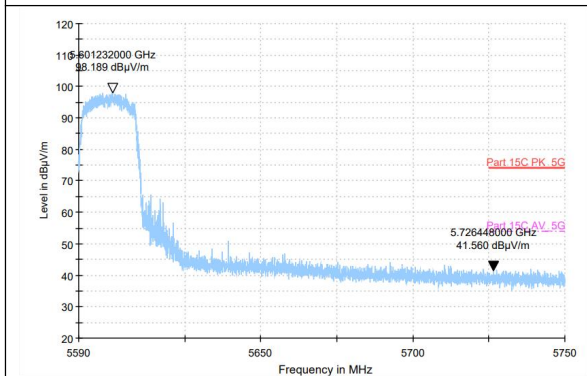




Band Edges (802.11ac, CH120)

Peak detector

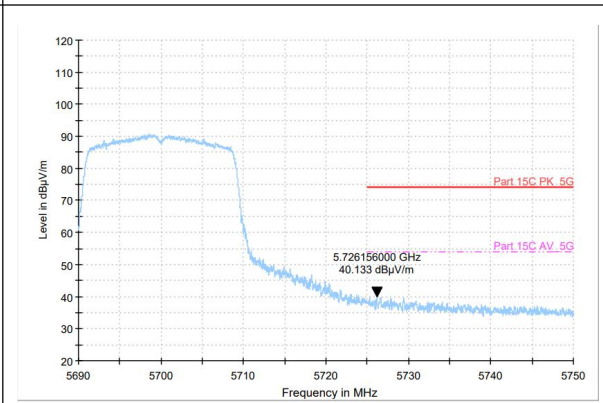
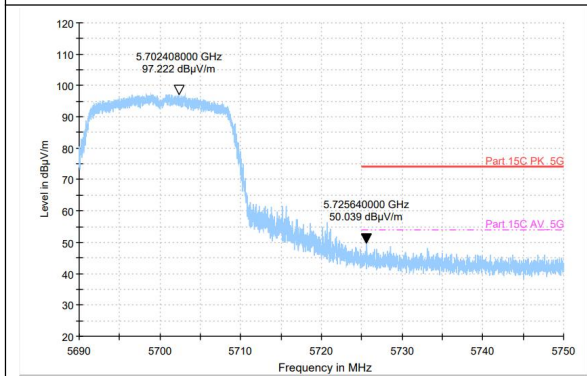
AV detector



Band Edges (802.11ac, CH140)

Peak detector

AV detector



Band Edges (802.11ac 40m, CH38)

Peak detector

AV detector