

**AC Power-Line Conducted Emissions (Graph)**

Test Mode: U-NII 2C & TM 1 & 5 500 MHz

**Results of Conducted Emission**

DTNC

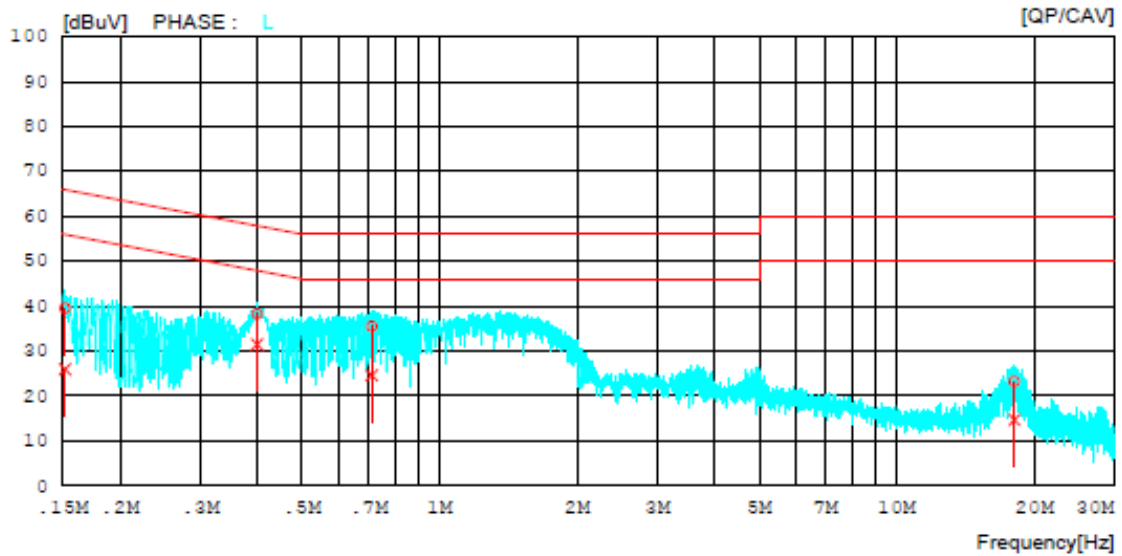
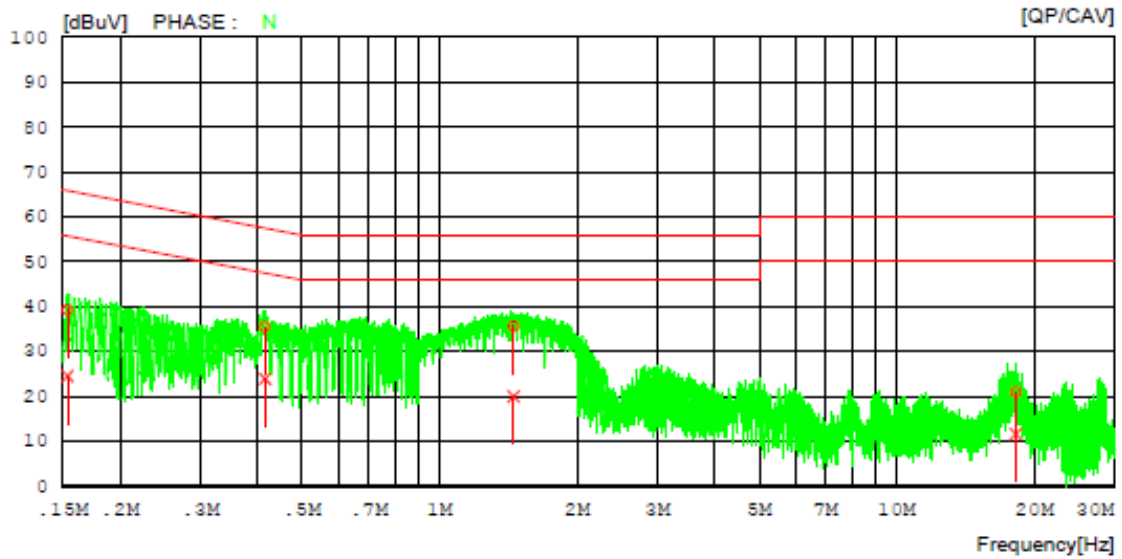
Date 2022-03-25

Order No.  
Model No. 01GM100-1  
Serial No.  
Test Condition 5.5G

Reference No.  
Power Supply  
Temp/Humi. 21 °C / 42 %  
Operator S.M.GIL

Memo

LIMIT : FCC P15.207 AV  
FCC P15.207 QP



### AC Power-Line Conducted Emissions (Data List)

Test Mode: U-NII 2C &amp; TM 1 &amp; 5 500 MHz

## Results of Conducted Emission

DTNC

Date 2022-03-25

Order No.		Reference No.	
Model No.	01GM100-1	Power Supply	
Serial No.		Temp/Humi.	21 °C / 42 %
Test Condition	5.5G	Operator	S.M.GIL

Memo

 LIMIT : FCC P15.207 AV  
 FCC P15.207 QP

NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	CAV [dBuV]		QP [dBuV]	CAV [dBuV]	QP [dBuV]	CAV [dBuV]			
1	0.15347	29.24	14.59	9.99	39.23	24.58	65.81	55.81	26.58	31.23	N
2	0.41485	25.52	13.90	10.01	35.53	23.91	57.55	47.55	22.02	23.64	N
3	1.45104	25.45	9.87	10.14	35.59	20.01	56.00	46.00	20.41	25.99	N
4	18.23129	10.49	1.17	10.48	20.97	11.65	60.00	50.00	39.03	38.35	N
5	0.15148	29.53	15.87	9.99	39.52	25.86	65.92	55.92	26.40	30.06	L
6	0.39887	28.19	21.44	10.01	38.20	31.45	57.88	47.88	19.68	16.43	L
7	0.71115	25.44	14.57	10.01	35.45	24.58	56.00	46.00	20.55	21.42	L
8	18.08865	12.75	4.19	10.48	23.23	14.67	60.00	50.00	36.77	35.33	L

AC Power-Line Conducted Emissions (Graph)

Test Mode: U-NII 3 & TM 1 & 5 785 MHz

Results of Conducted Emission

DTNC

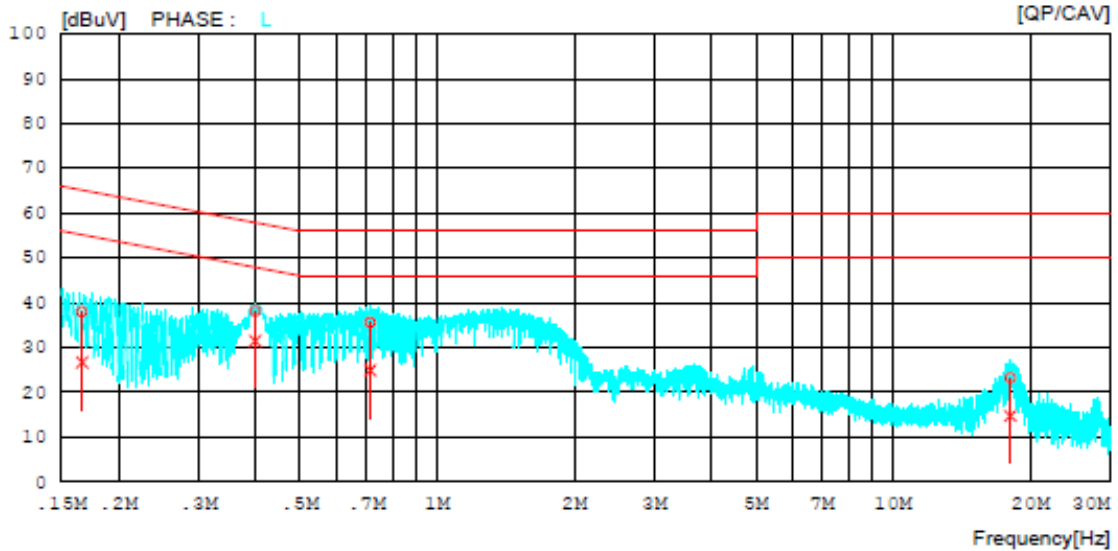
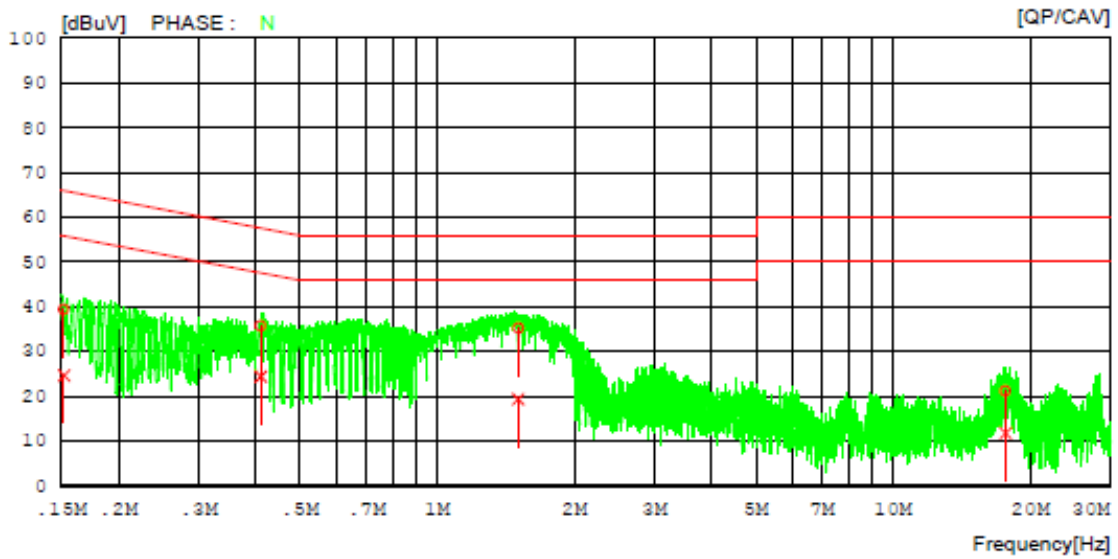
Date 2022-03-25

Order No. Model No. 01GM100-1  
 Serial No.  
 Test Condition 5.7G

Reference No. Power Supply  
 Temp/Humi. 21 °C / 42 %  
 Operator S.M.GIL

Memo

LIMIT : FCC P15.207 AV  
 FCC P15.207 QP



### AC Power-Line Conducted Emissions (Data List)

Test Mode: U-NII 3 &amp; TM 1 &amp; 5 785 MHz

## Results of Conducted Emission

DTNC

Date 2022-03-25

Order No.		Reference No.	
Model No.	01GM100-1	Power Supply	
Serial No.		Temp/Humi.	21 'C / 42 %
Test Condition	5.7G	Operator	S.M.GIL

Memo

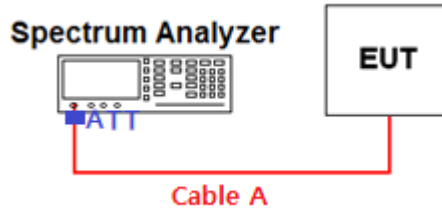
 LIMIT : FCC P15.207 AV  
 FCC P15.207 QP

NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	CAV [dBuV]		QP [dBuV]	CAV [dBuV]	QP [dBuV]	CAV [dBuV]			
1	0.15184	29.41	14.71	9.99	39.40	24.70	65.90	55.90	26.50	31.20	N
2	0.41018	25.66	14.44	10.01	35.67	24.45	57.64	47.64	21.97	23.19	N
3	1.50590	25.08	9.24	10.14	35.22	19.38	56.00	46.00	20.78	26.62	N
4	17.64340	10.77	1.36	10.49	21.26	11.85	60.00	50.00	38.74	38.15	N
5	0.16644	27.94	16.66	9.99	37.93	26.65	65.14	55.14	27.21	28.49	L
6	0.39893	28.12	21.42	10.01	38.13	31.43	57.88	47.88	19.75	16.45	L
7	0.71352	25.50	14.90	10.01	35.51	24.91	56.00	46.00	20.49	21.09	L
8	18.07241	12.74	4.24	10.48	23.22	14.72	60.00	50.00	36.78	35.28	L

## APPENDIX I

### Conducted Test set up Diagram

- Conducted Measurement



## APPENDIX II

### Duty Cycle Information

#### ■ Test Procedure

**Duty Cycle [X = On Time / ( On + Off time )]** is measured using Measurement Procedure of **KDB789033 D02v02r01**

1. Set the center frequency of the spectrum analyzer to the center frequency of the transmission.
2. Set RBW  $\geq$  EBW if possible; otherwise, set RBW to the largest available value.
3. Set VBW  $\geq$  RBW. Set detector = peak.
4. Note : The zero-span measurement method shall not be used unless both **RBW and VBW are  $> 50 / T$** , where  $T$  is defined in section II.B.1.a), and **the number of sweep points across duration  $T$  exceeds 100**. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if  $T \leq 16.7$  microseconds.)

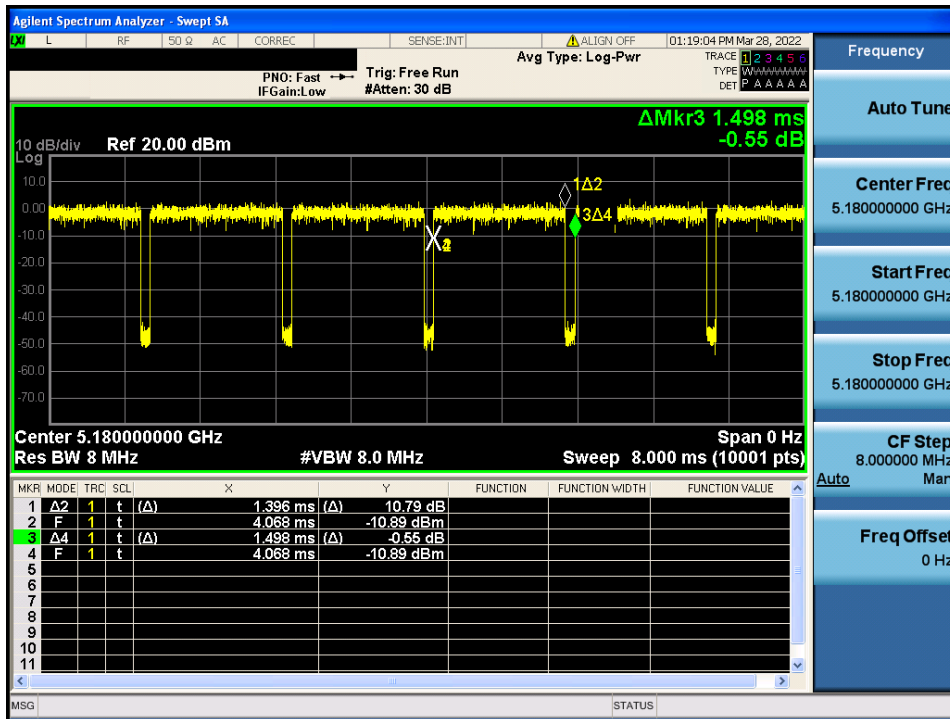
$T$ : The minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

( $T$  = On time of the above table since the EUT operates with above fixed Duty Cycle and it is the minimum On time)

Test Plot:

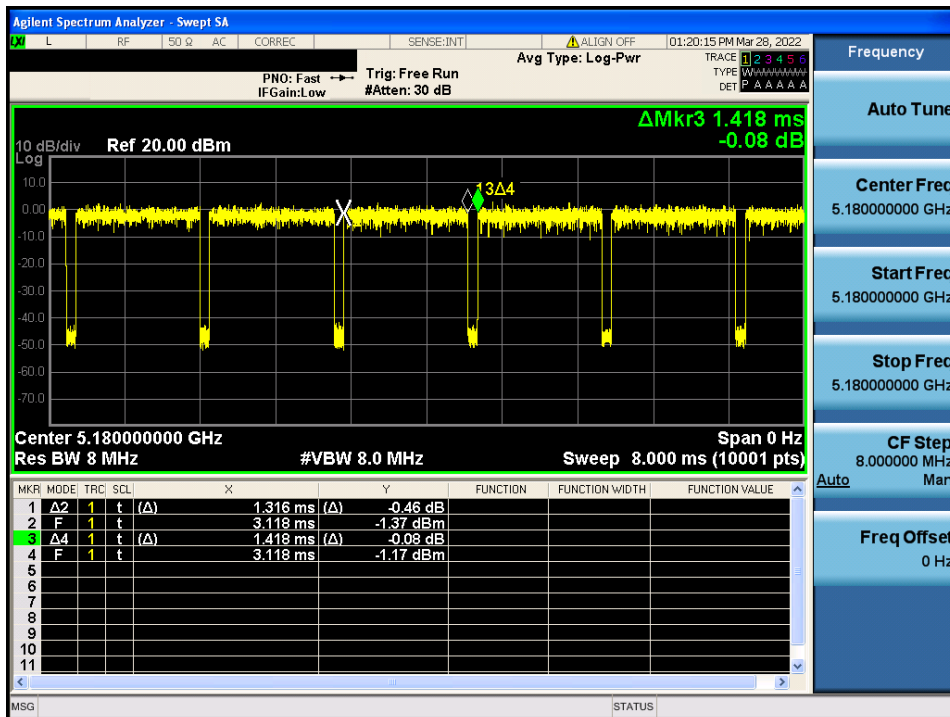
Duty Cycle

Test Mode: TM1 & Ch.36



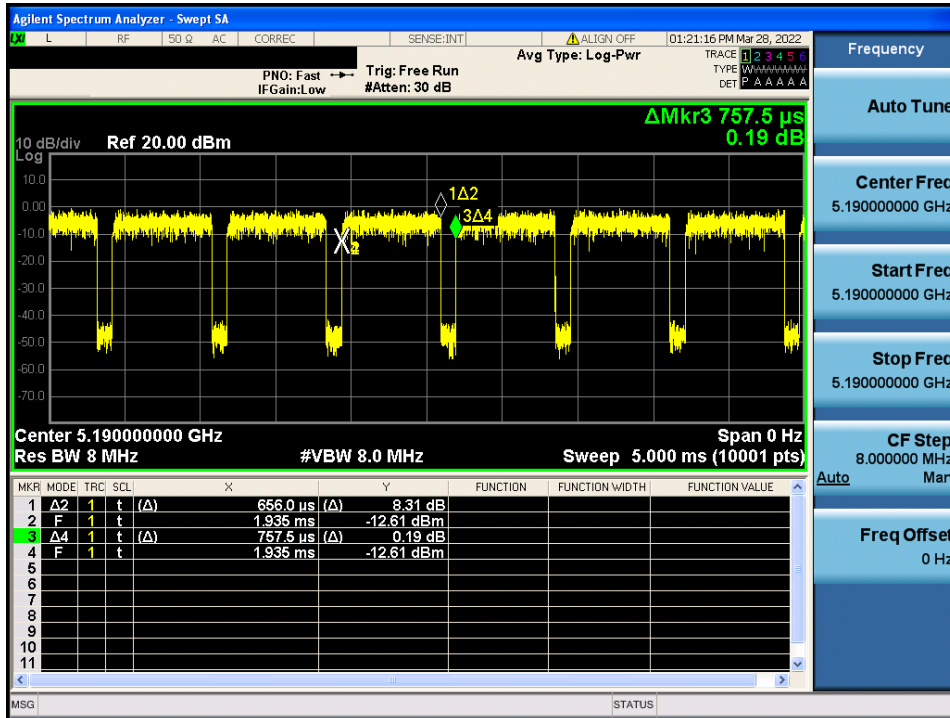
Duty Cycle

Test Mode: TM 2 & Ch.36



Duty Cycle

Test Mode: TM 3 & Ch.38



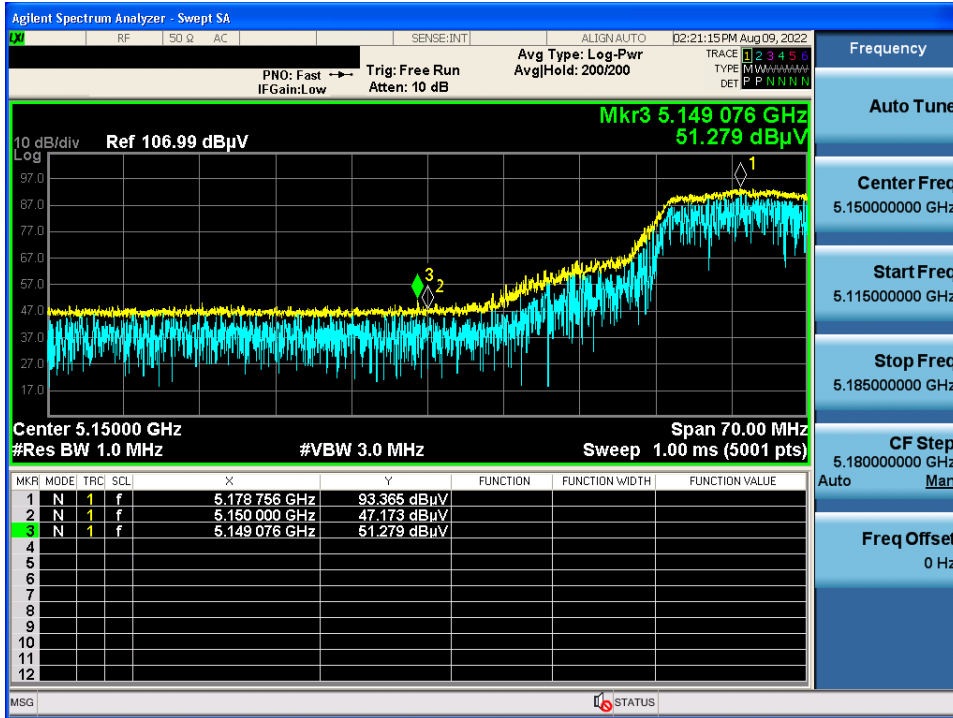


APPENDIX III

Unwanted Emissions (Radiated) Test Plot:

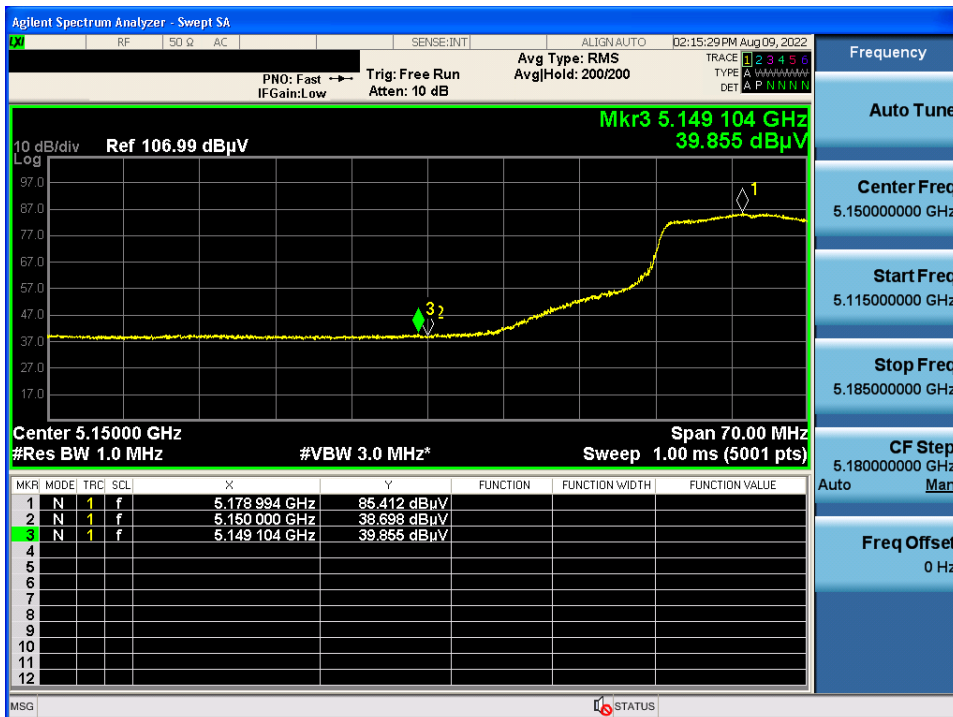
TM 1 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : PK



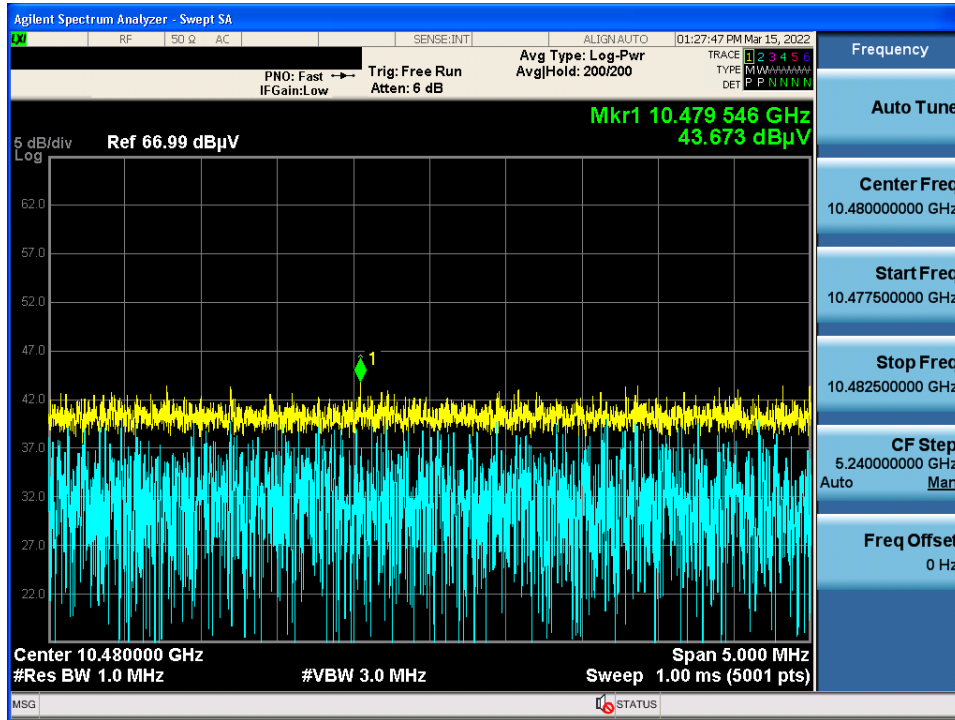
TM 1 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : AV



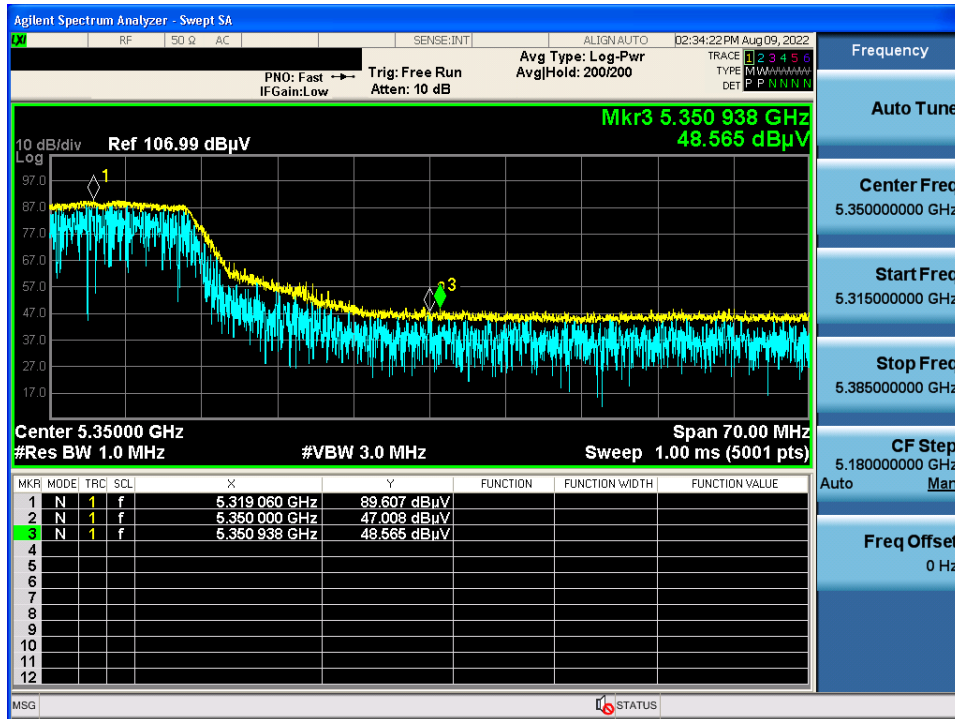
TM 1 & U-NII 1 & 5 240 & Z axis & Hor

Detector Mode : PK



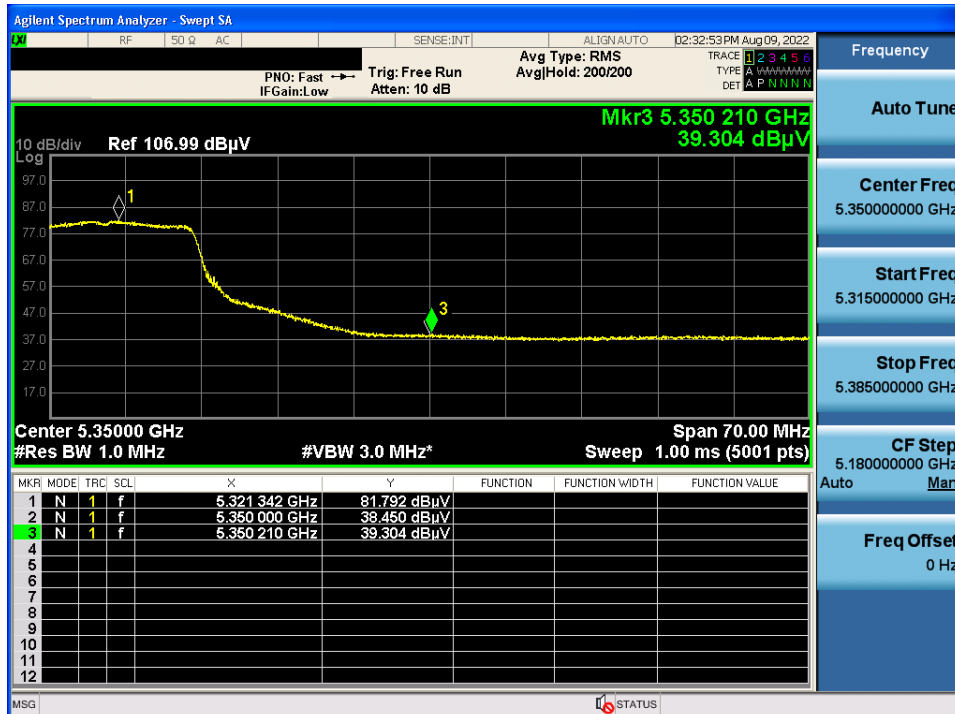
TM 1 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : PK



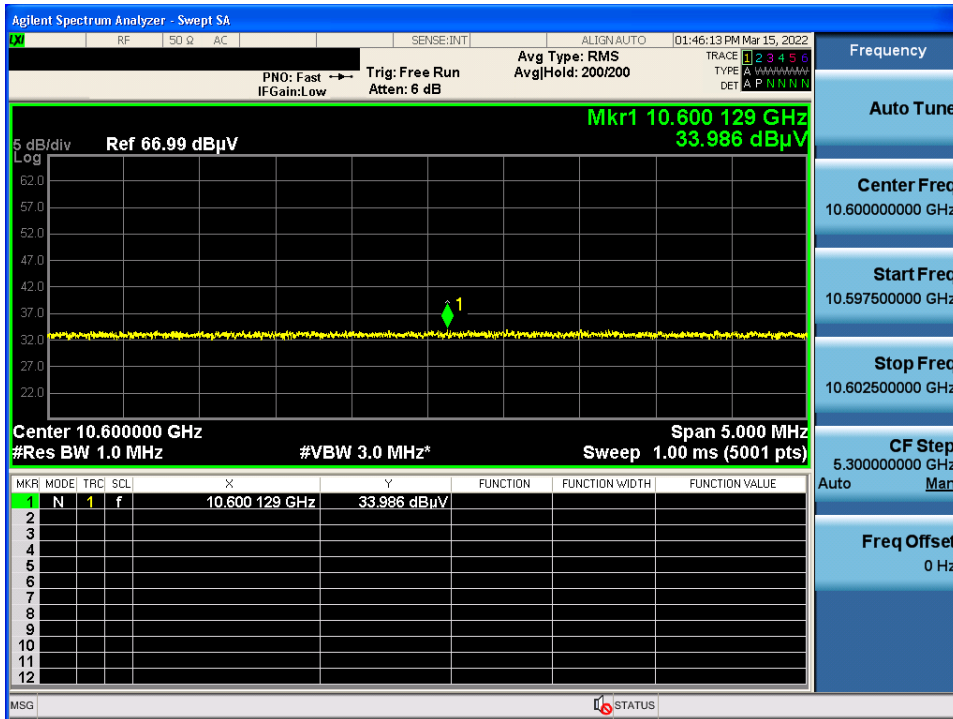
TM 1 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : AV



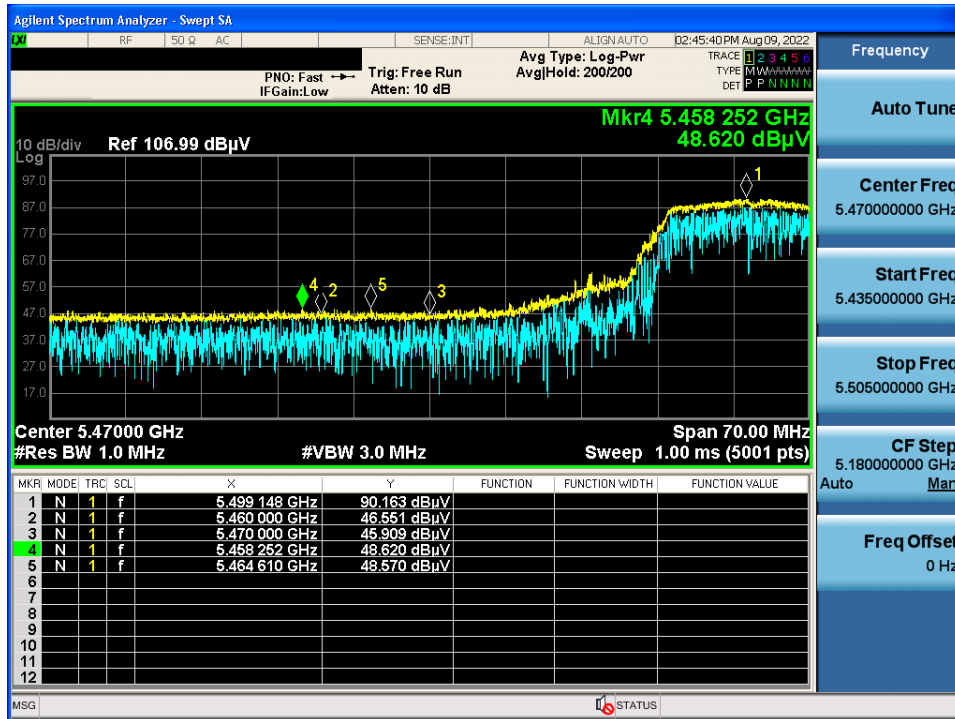
TM 1 & U-NII 2A & 5 300 & Z axis & Hor

Detector Mode : AV



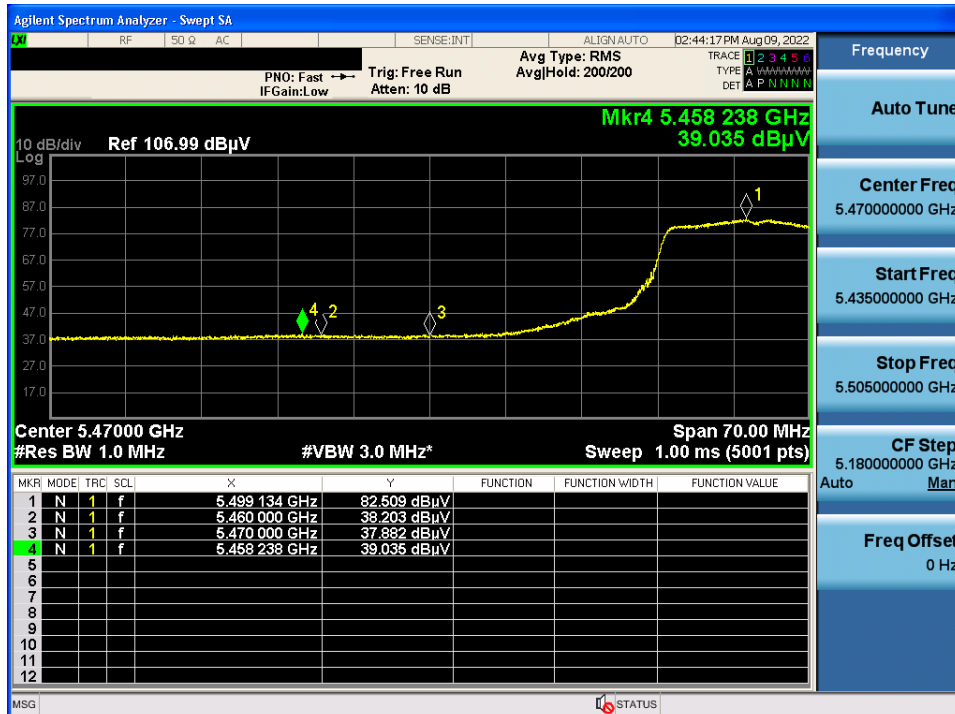
TM 1 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : PK



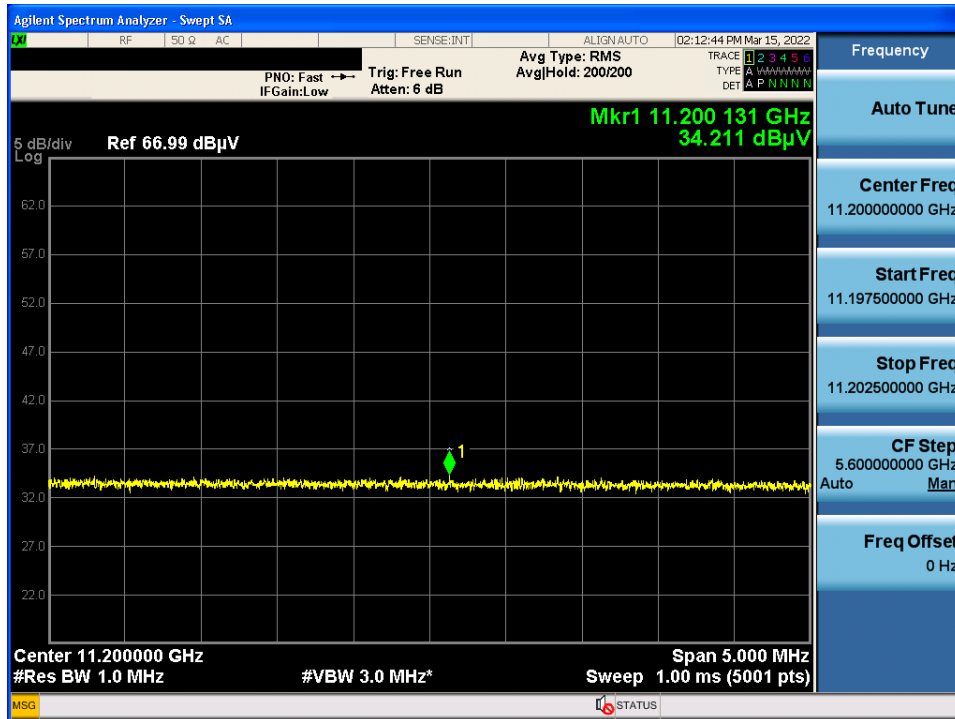
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Detector Mode : AV



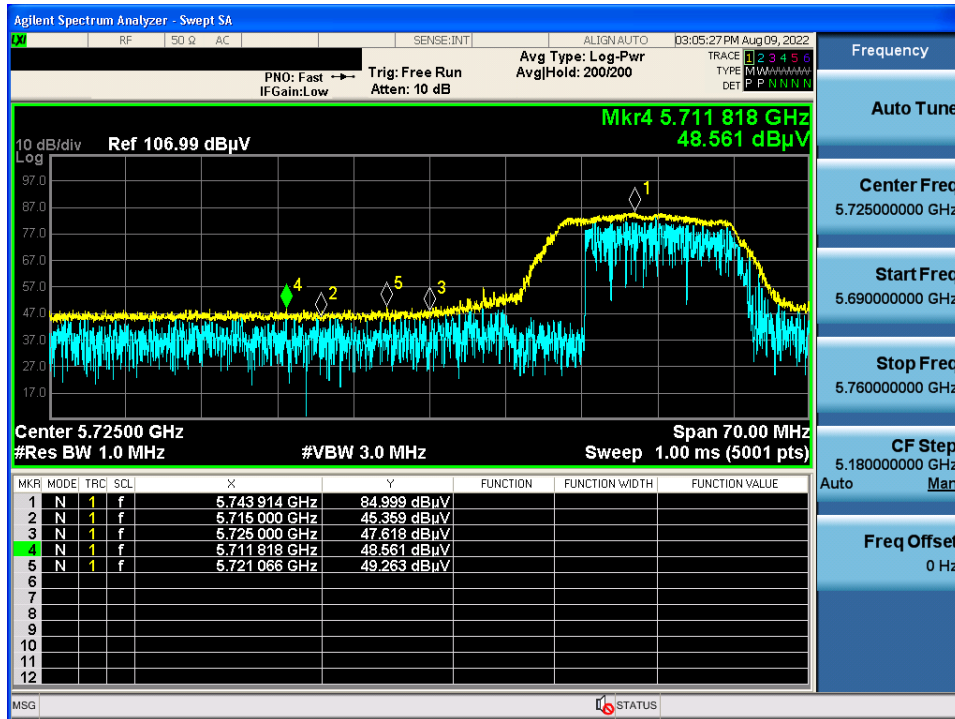
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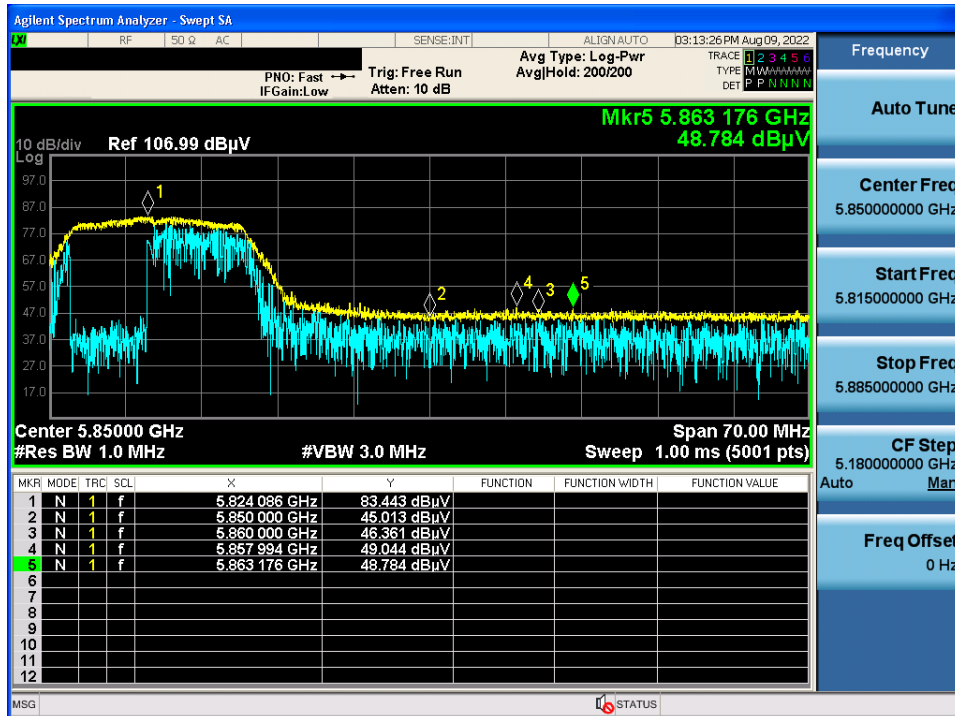
TM 1 & U-NII 3 & 5 745 & Z axis & Hor

Detector Mode : PK



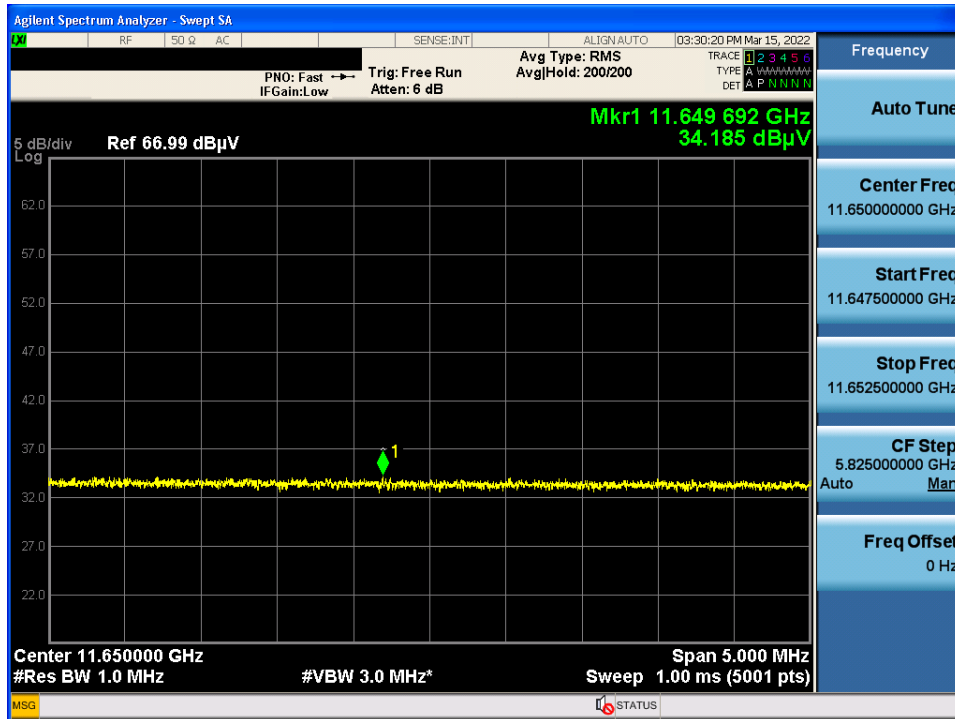
TM 1 & U-NII 3 & 5 825 & Z axis & Hor

Detector Mode : PK



TM 1 & U-NII 3 & 5 825 & Z axis & Hor

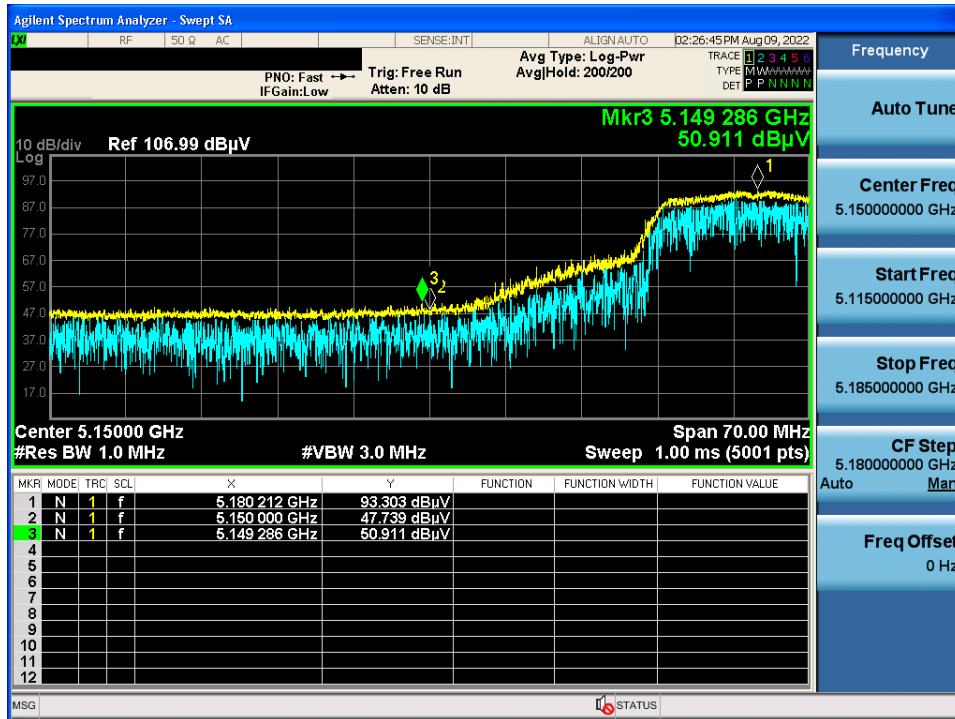
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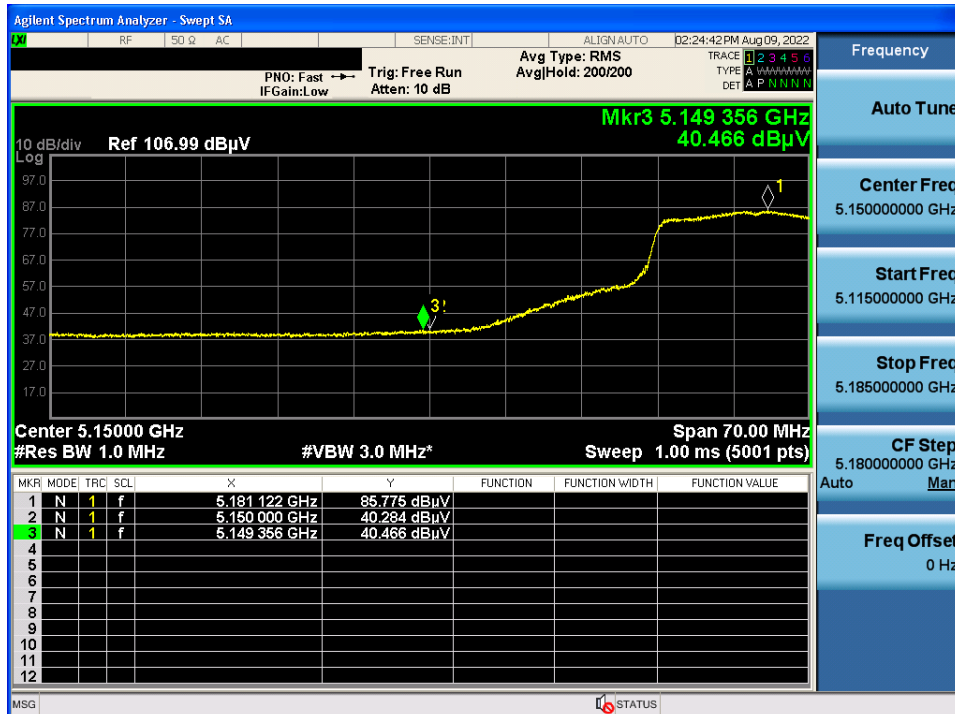
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Detector Mode : PK



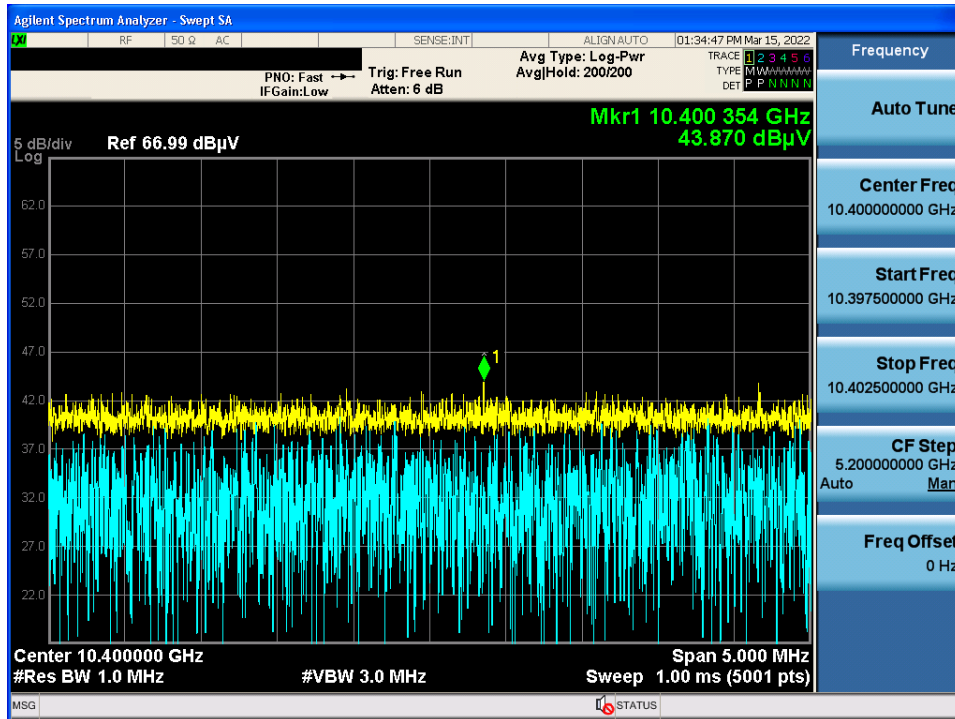
TM 2 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : AV



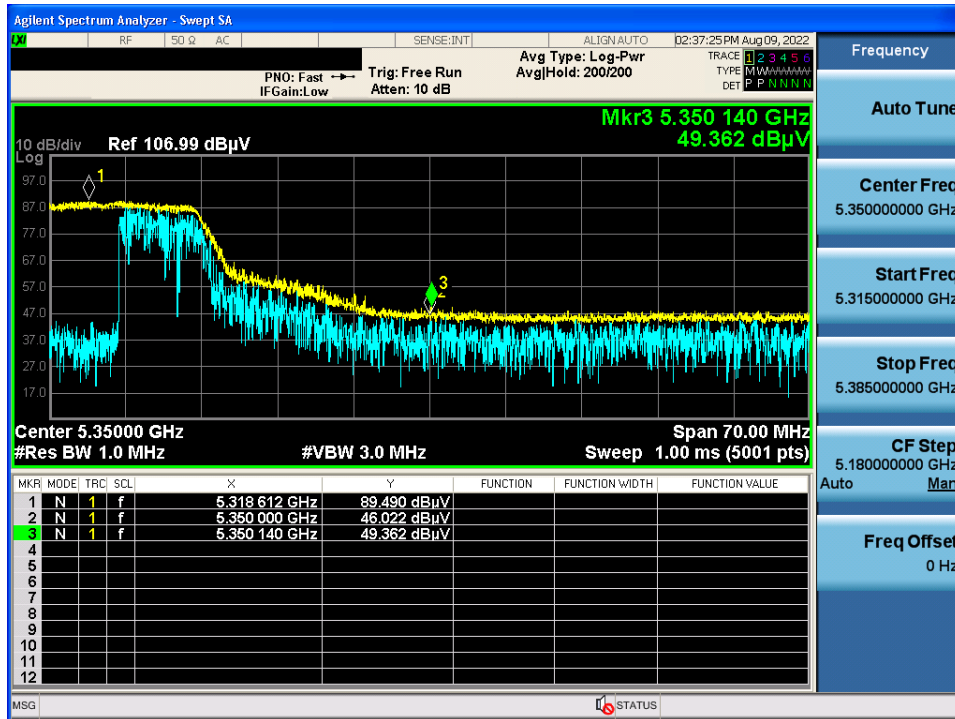
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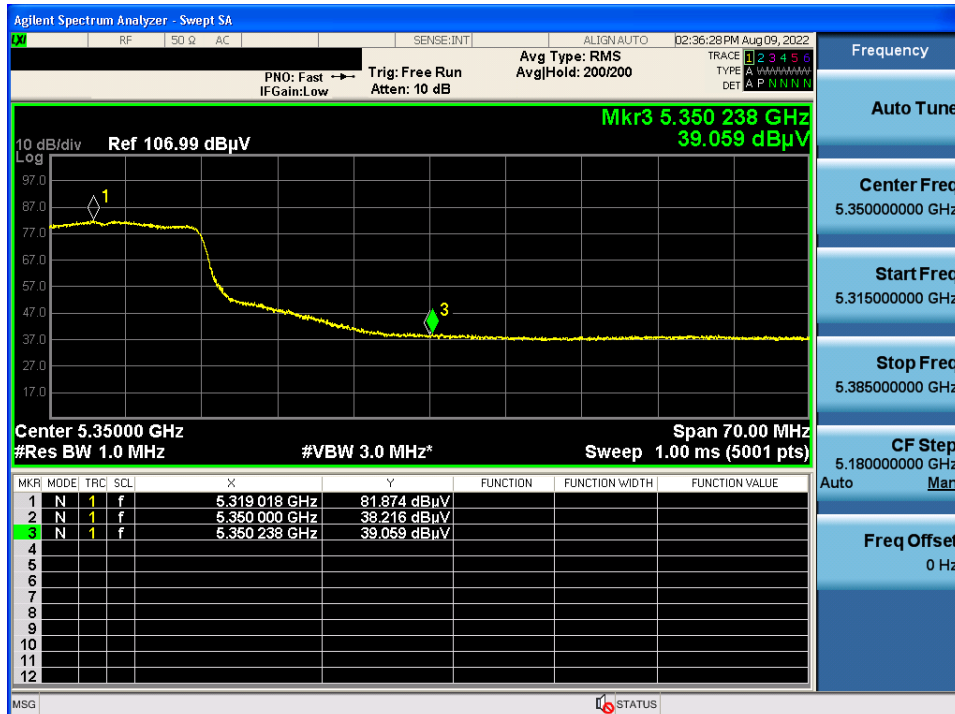
TM 2 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : PK



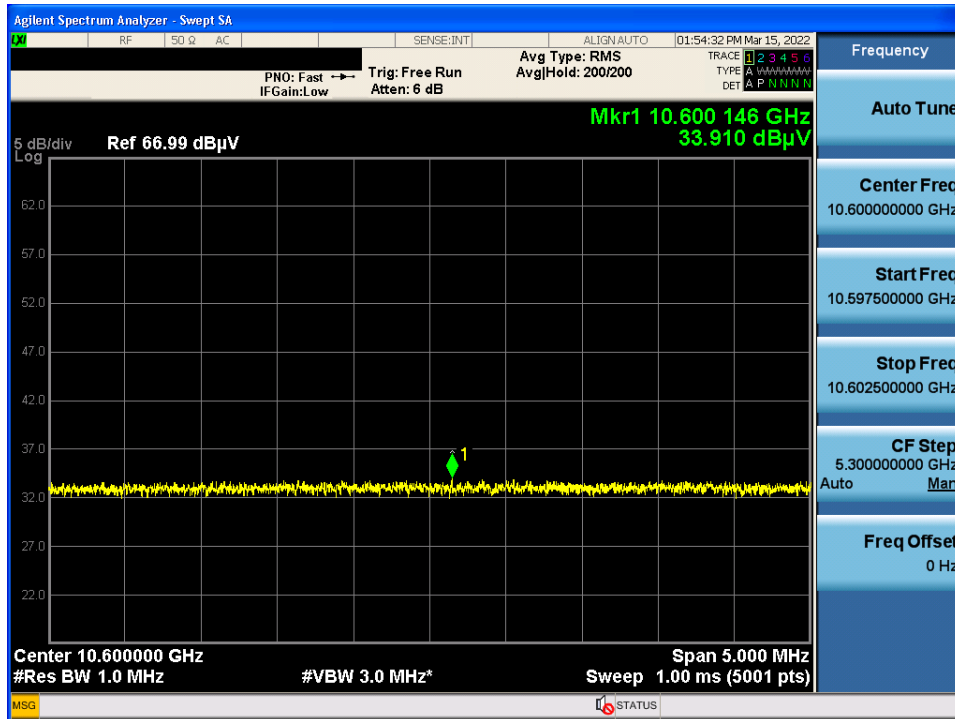
TM 2 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : AV



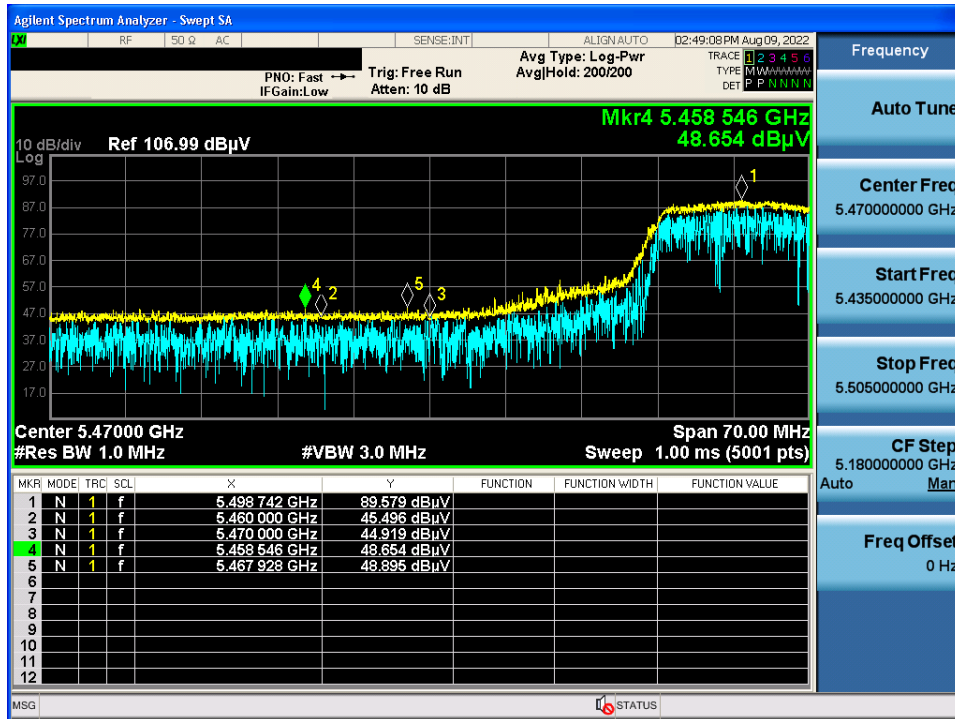
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Detector Mode : AV



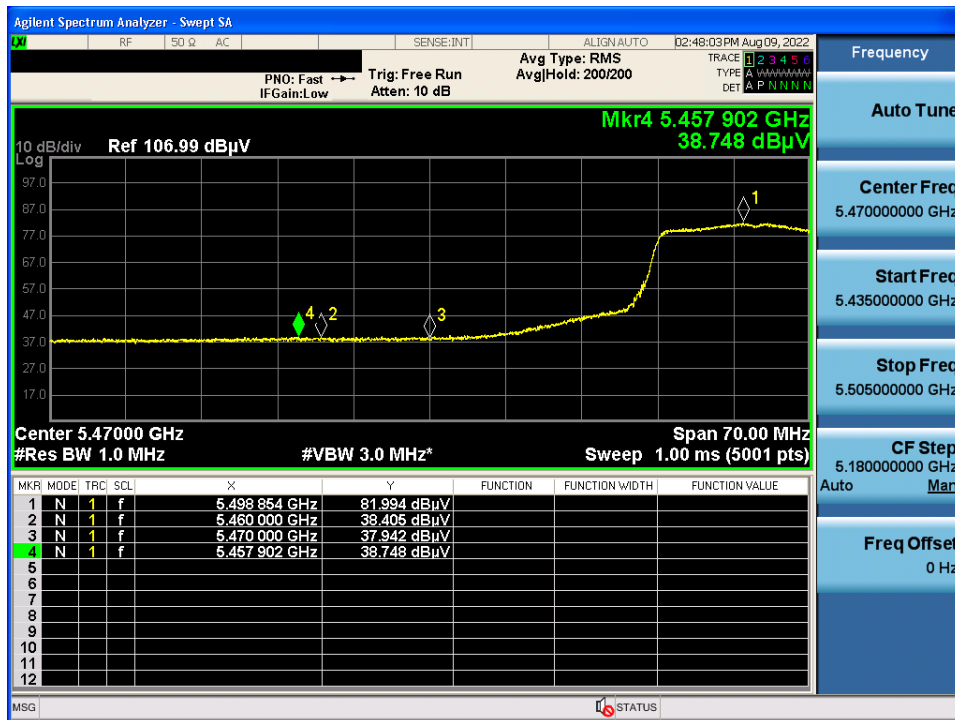
TM 2 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : PK



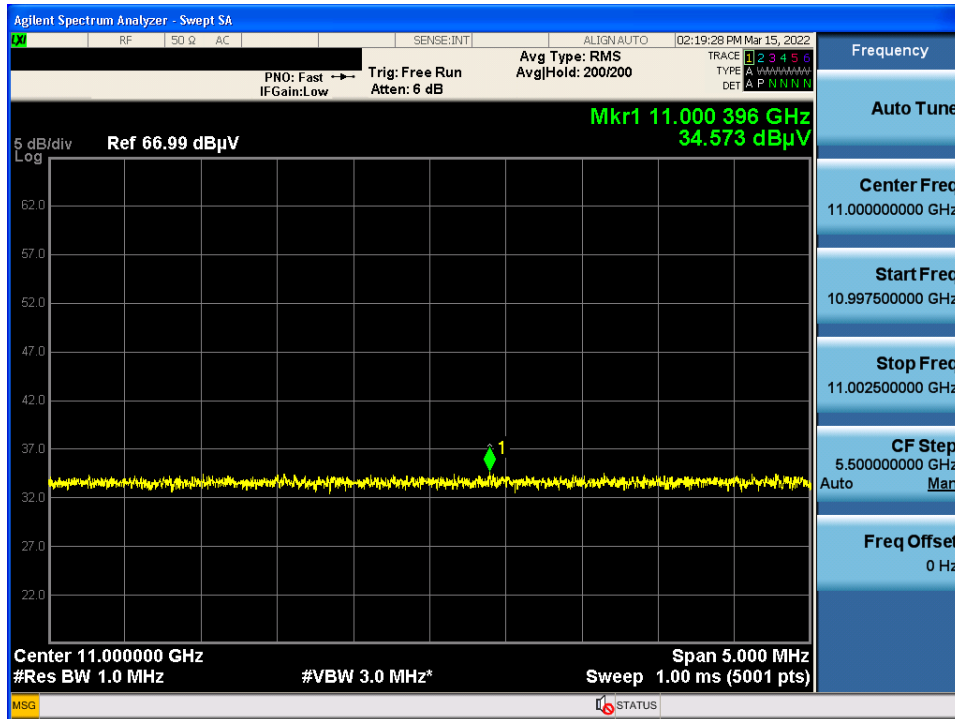
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Detector Mode : AV



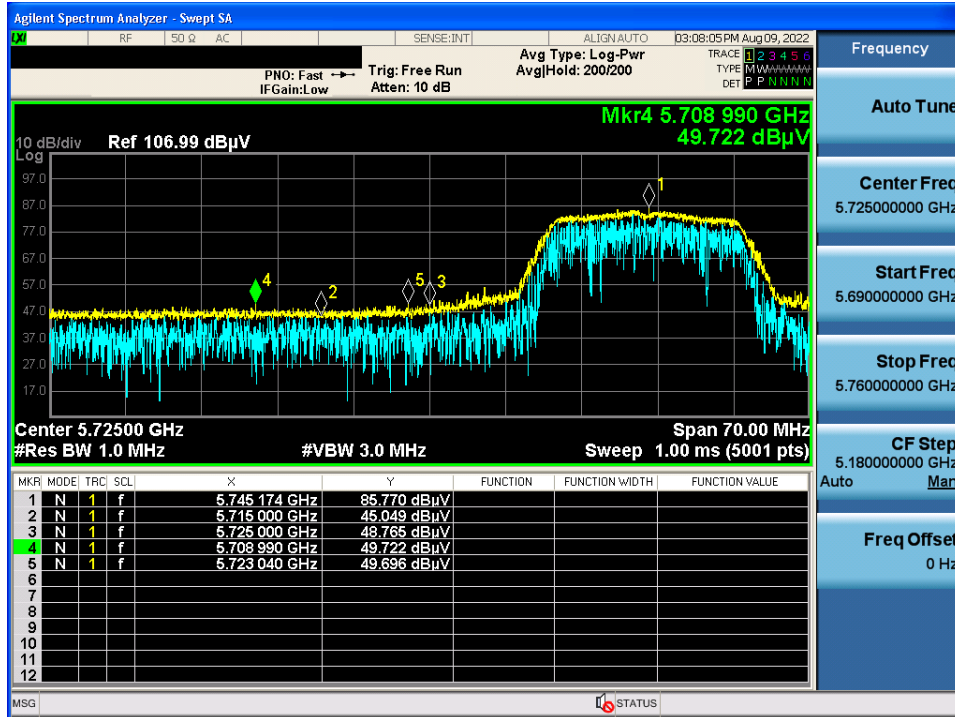
TM 2 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : AV



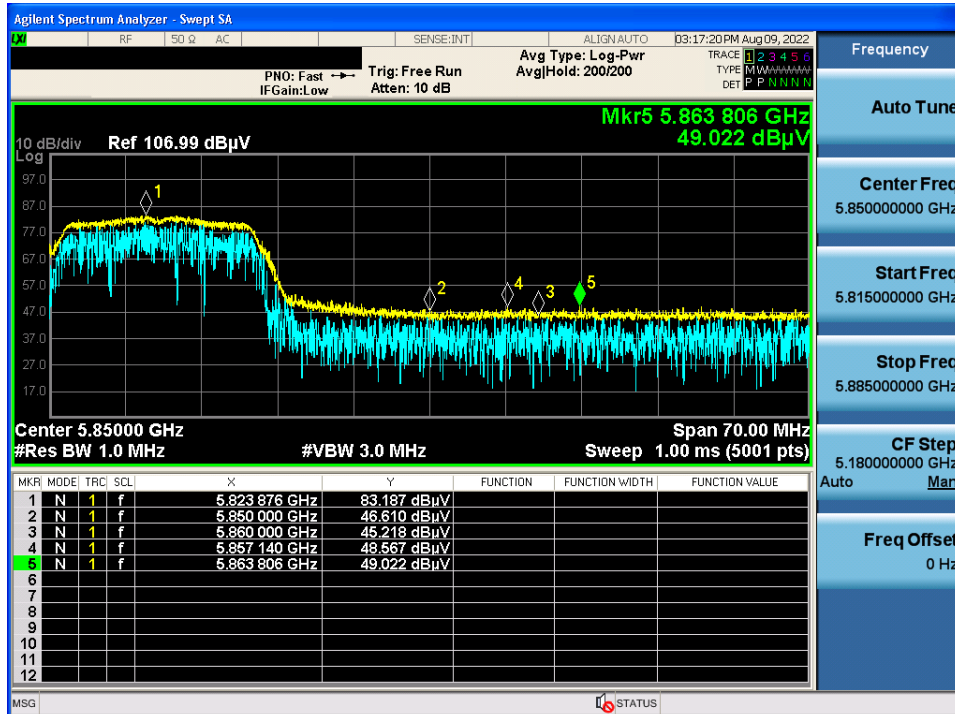
TM 2 & U-NII 3 & 5 745 & Z axis & Hor

Detector Mode : PK



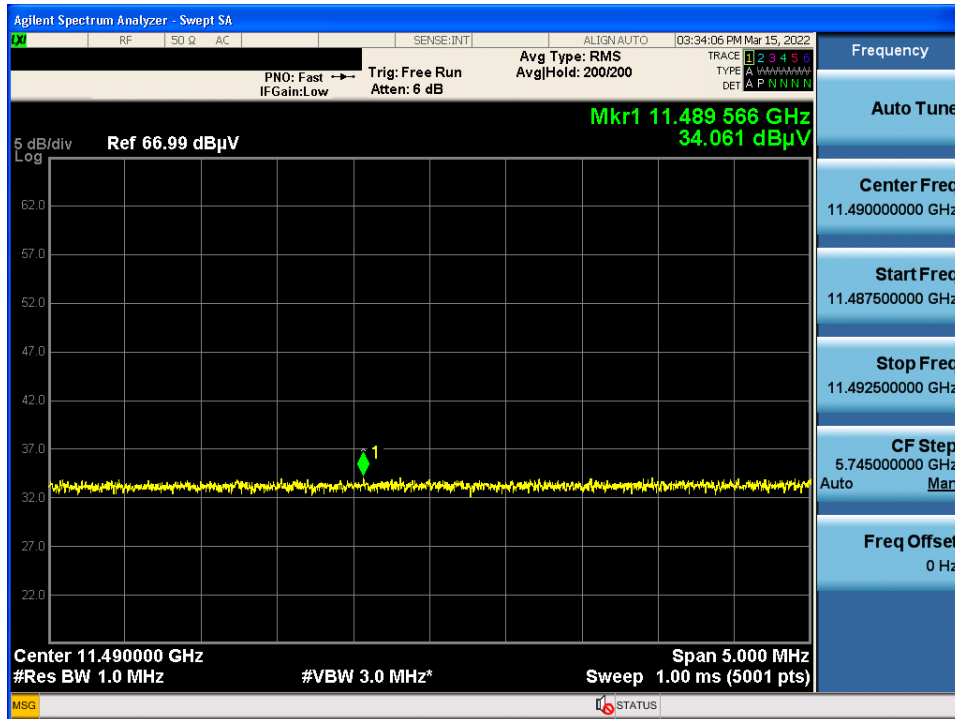
TM 2 & U-NII 3 & 5 825 & Z axis & Hor

Detector Mode : PK



TM 2 & U-NII 3 & 5 745 & Z axis & Hor

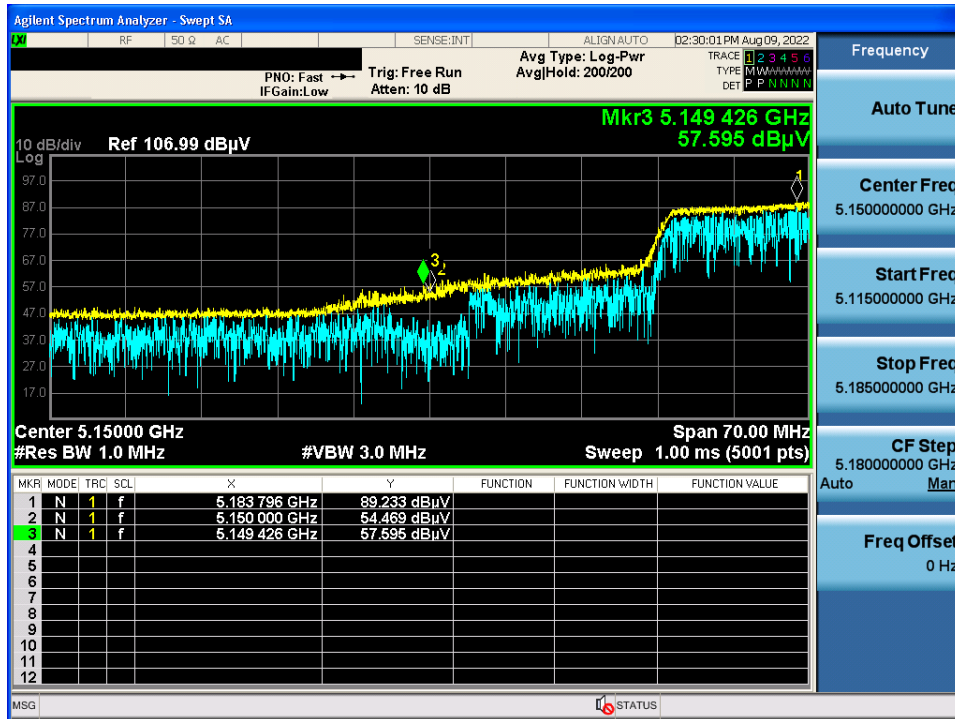
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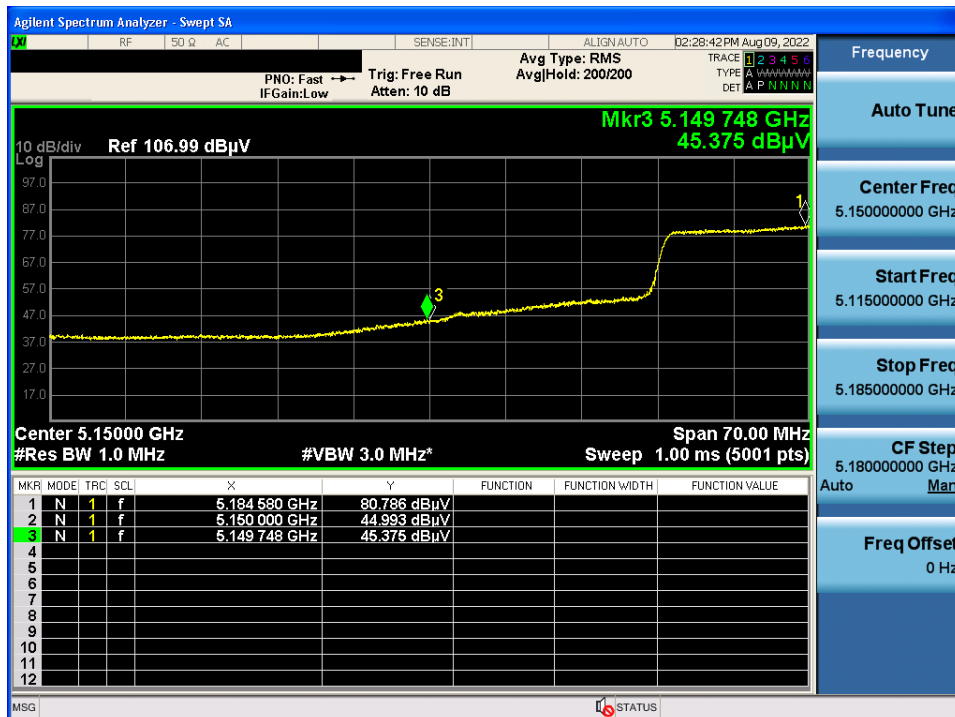
TM 3 & U-NII 1 & 5 190 & Z axis & Hor

Detector Mode : PK



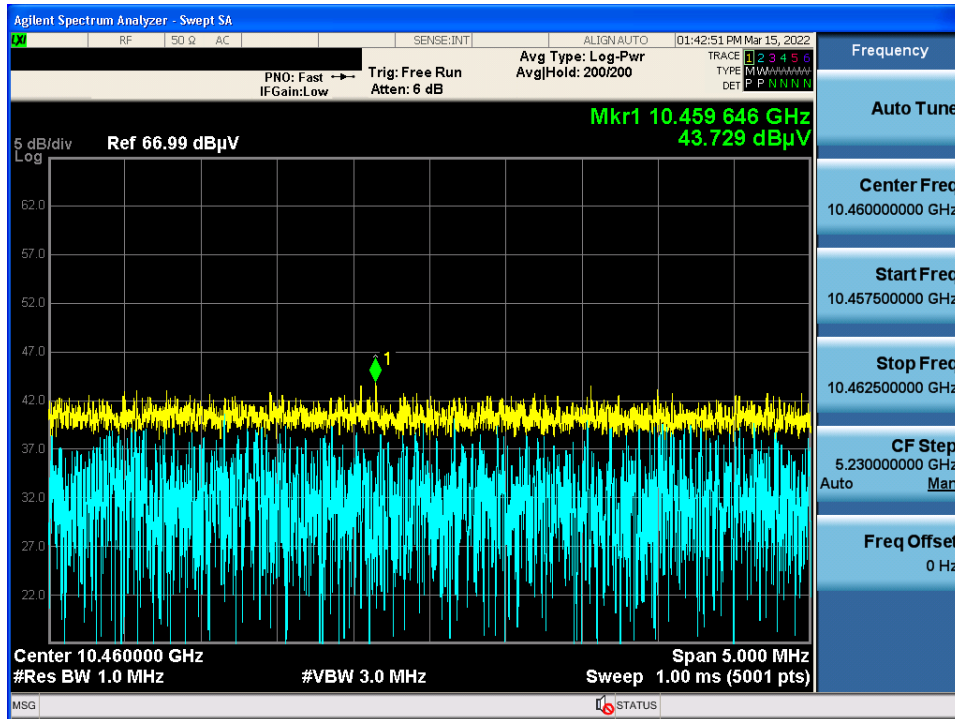
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Detector Mode : AV



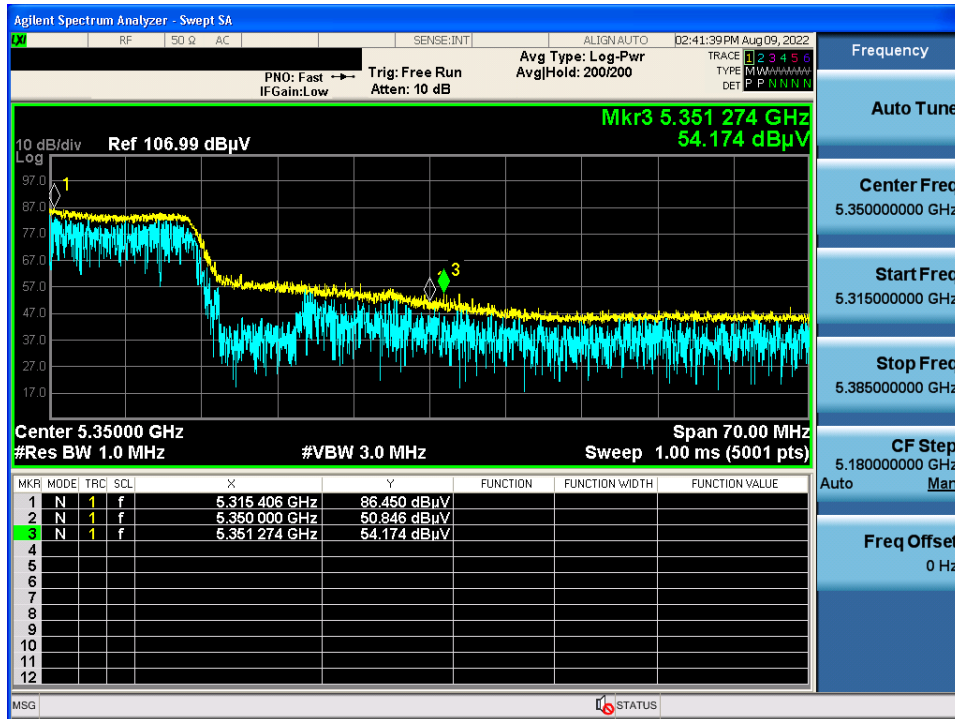
TM 3 & U-NII 1 & 5 230 & Z axis & Hor

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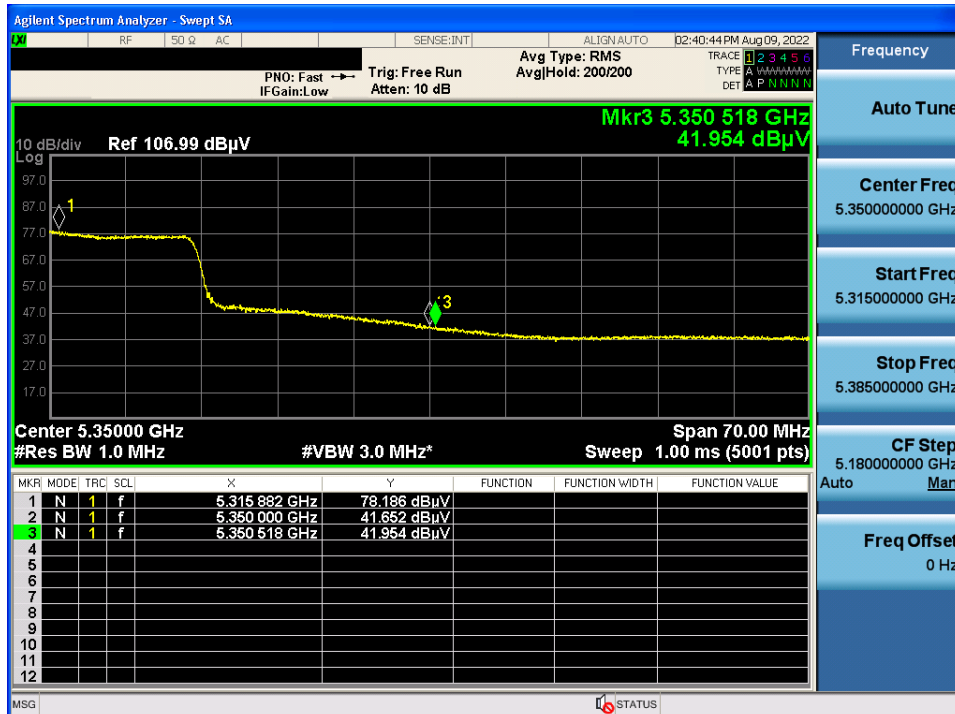
TM 3 & U-NII 2A & 5 310 & Z axis & Hor

Detector Mode : PK



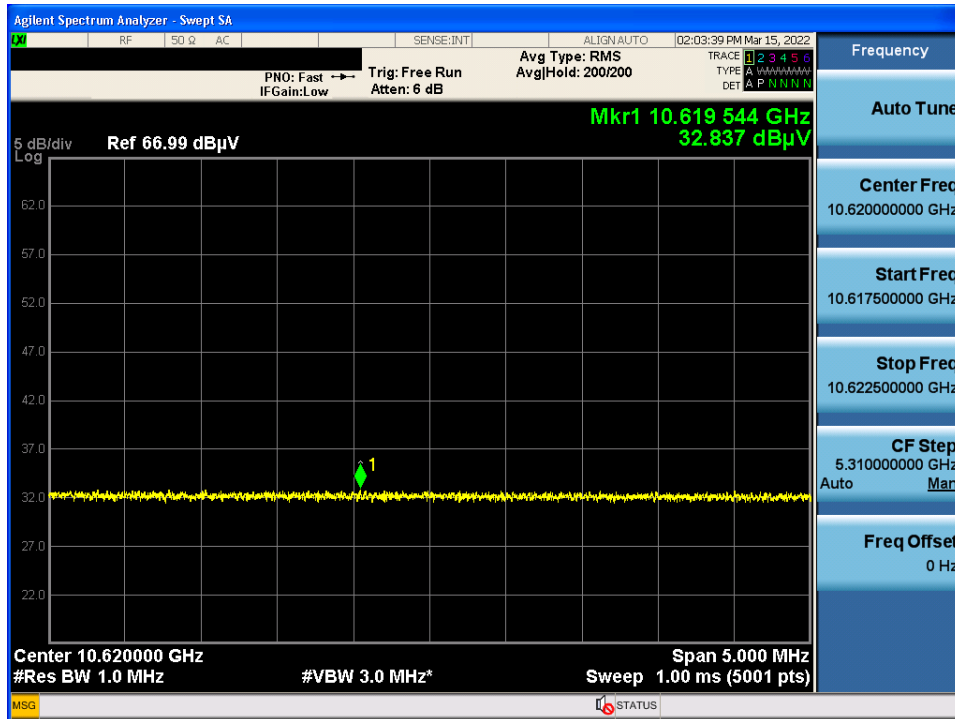
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Detector Mode : AV



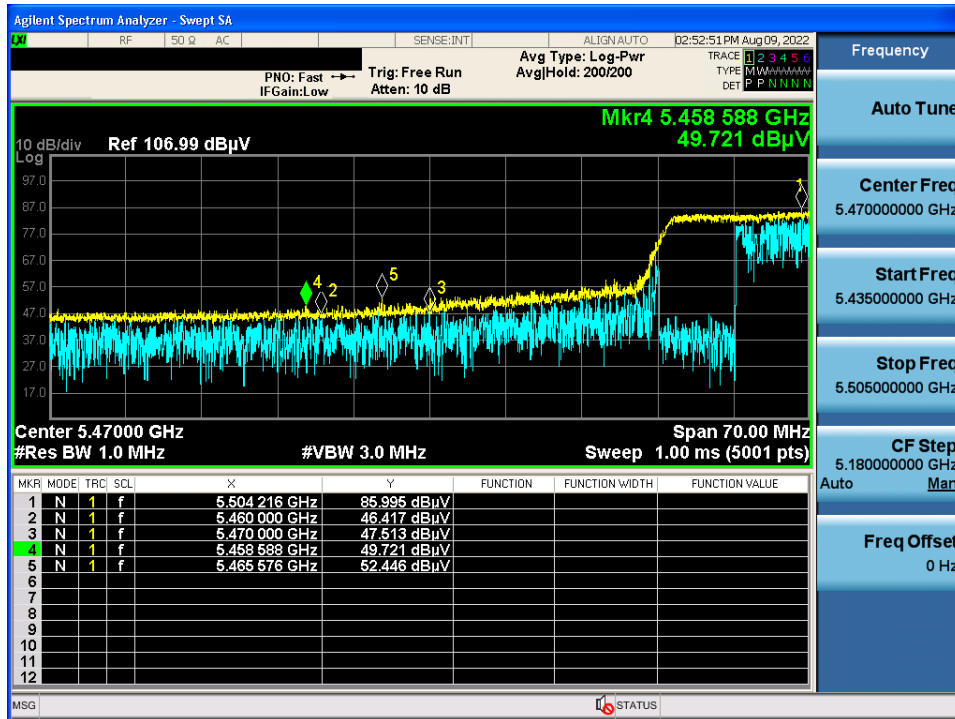
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Detector Mode : AV



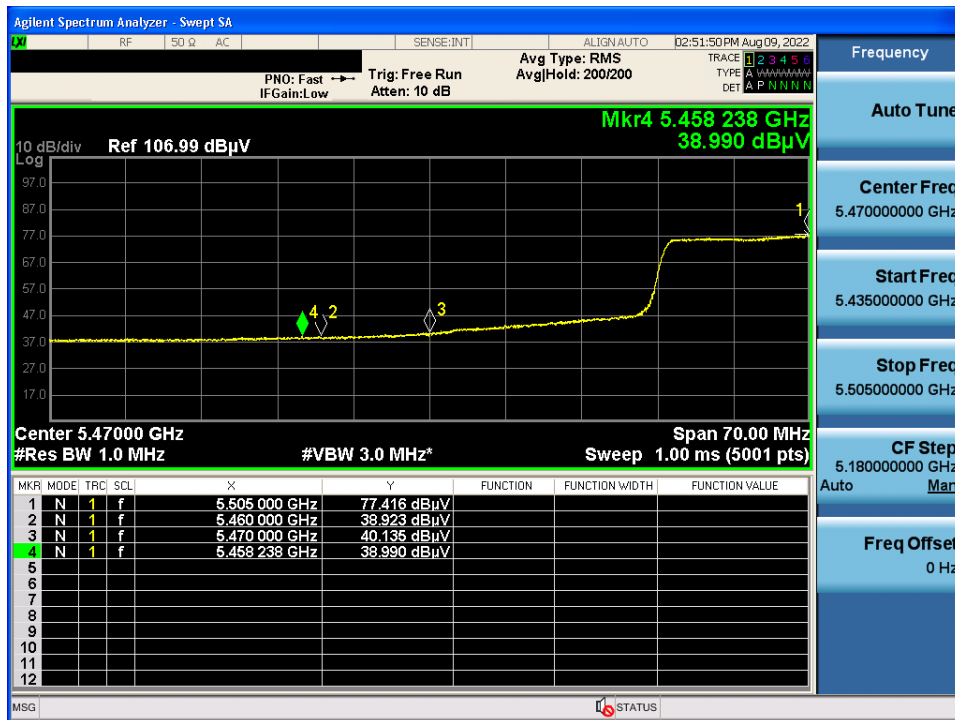
TM 3 & U-NII 2C & 5 510 & Z axis & Hor

Detector Mode : PK



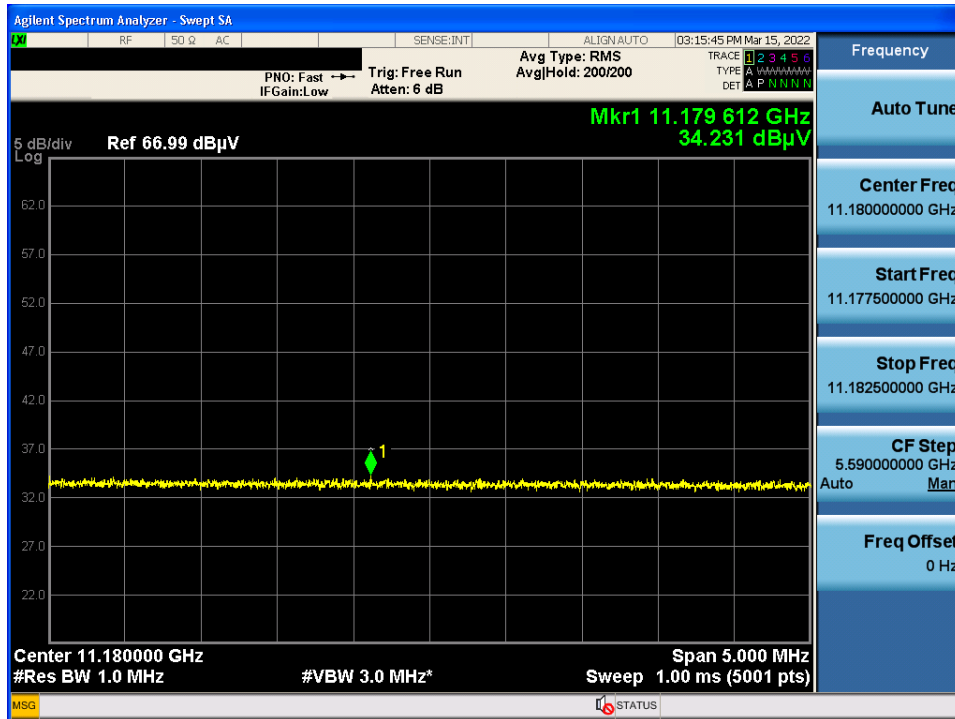
TM 3 & U-NII 2C & 5 510 & Z axis & Hor

Detector Mode : AV



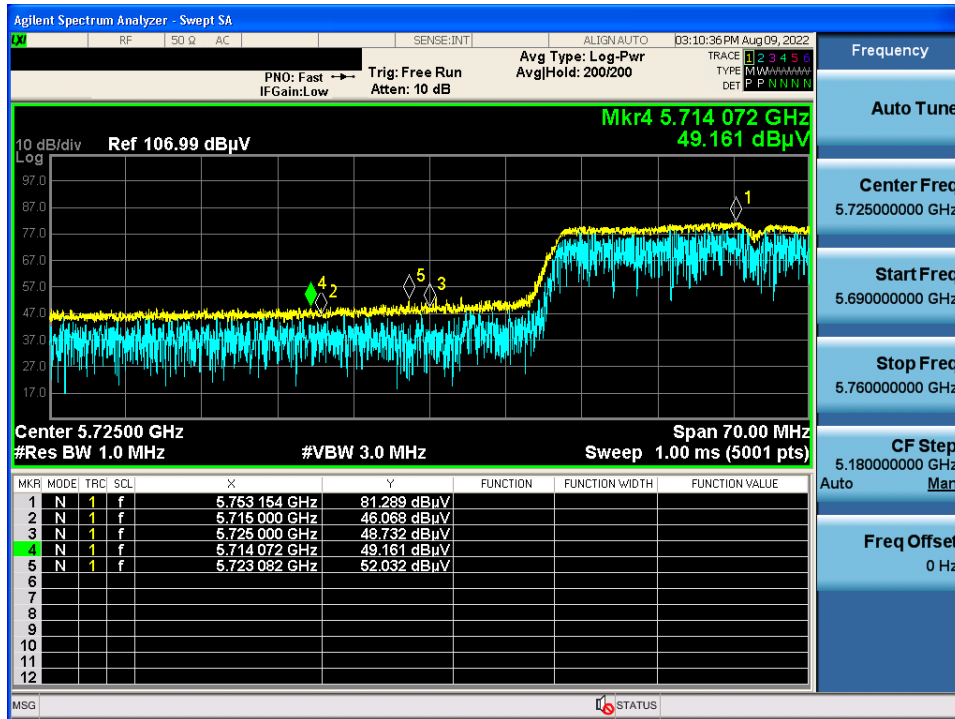
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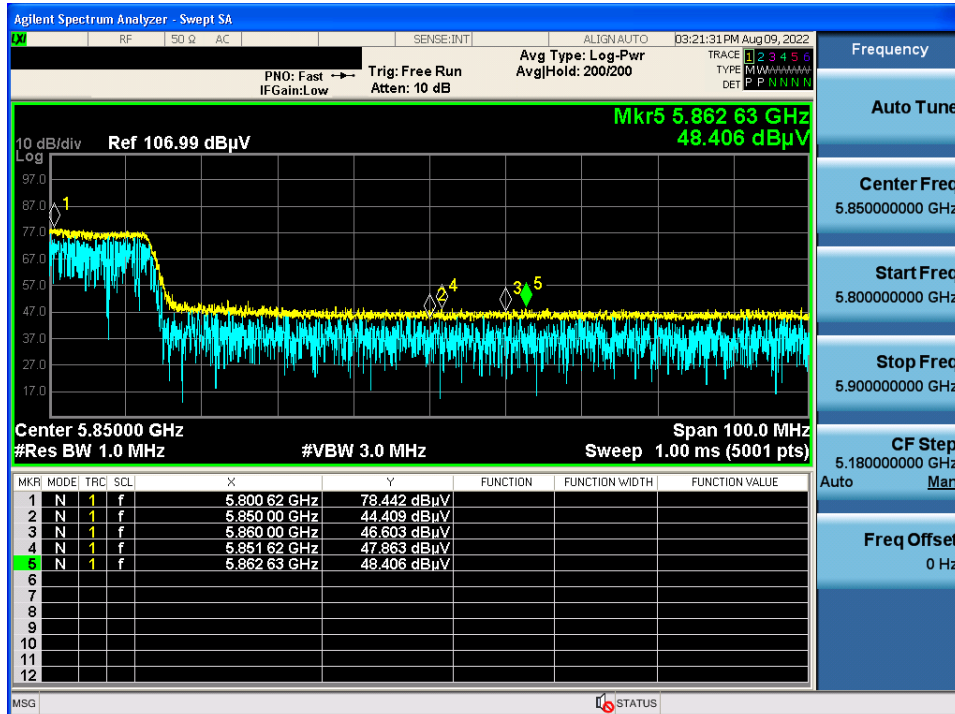
TM 3 & U-NII 3 & 5 755 & Z axis & Hor

Detector Mode : PK



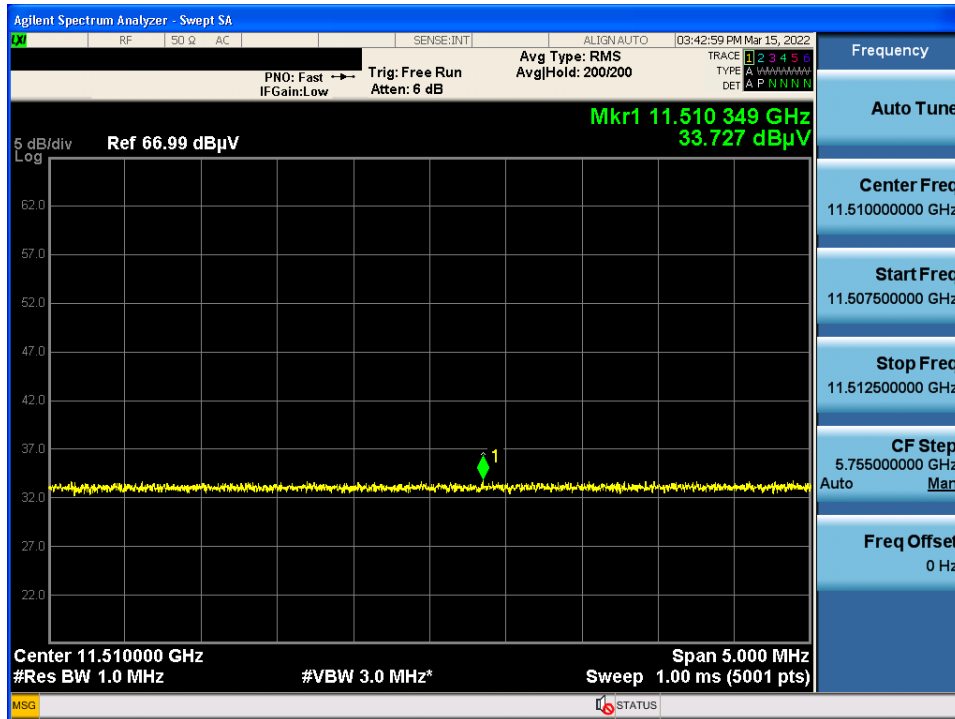
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Detector Mode : PK



TM 3 & U-NII 3 & 5 755 & Z axis & Hor

Detector Mode : AV

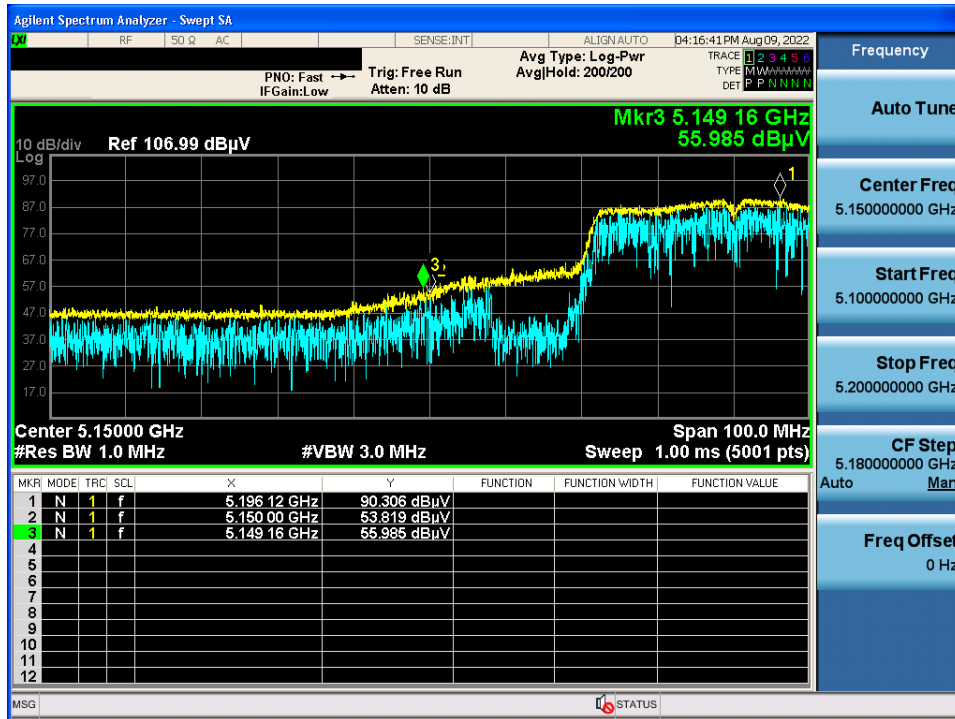




Unwanted Emissions (Radiated) Test Plot: Wireless Charging

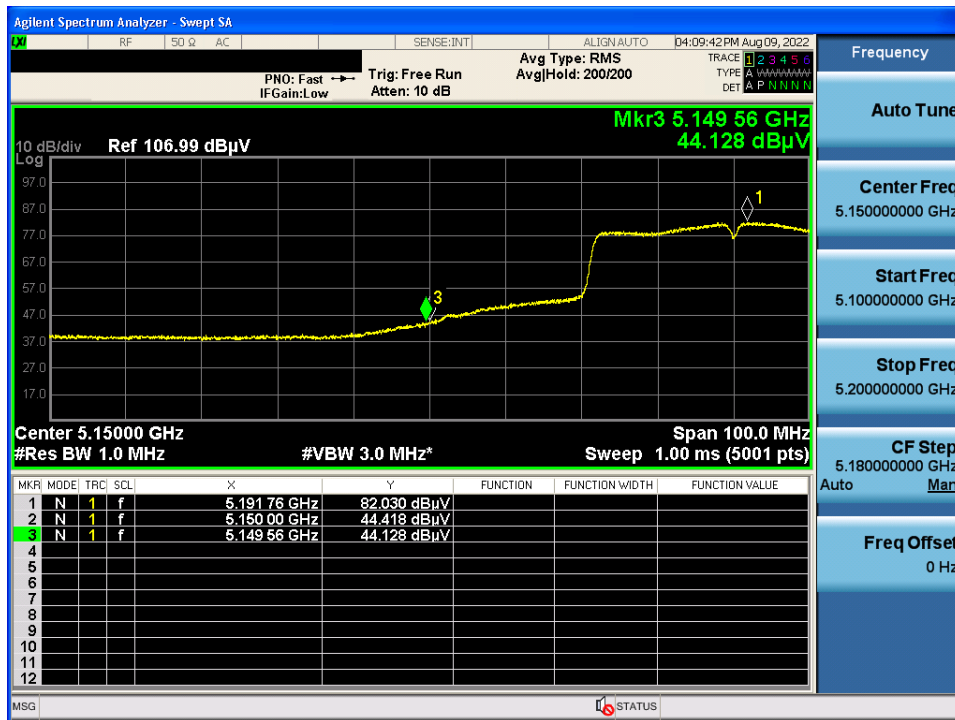
TM 3 & U-NII 1 & 5 190 & Y axis & Ver

Detector Mode : PK



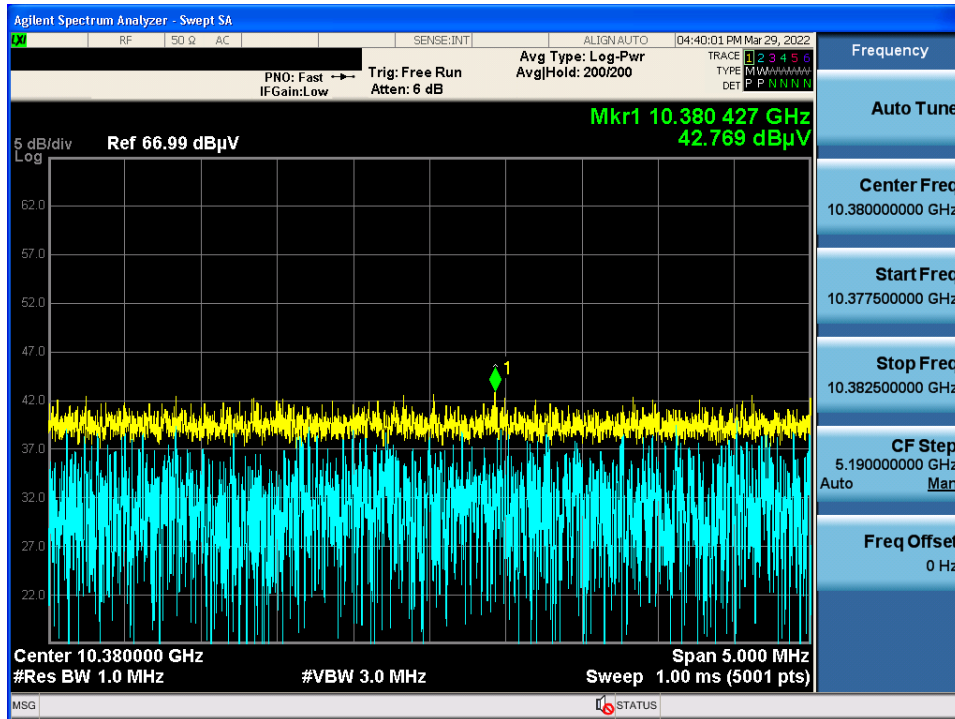
TM 3 & U-NII 1 & 5 190 & Y axis & Ver

Detector Mode : AV



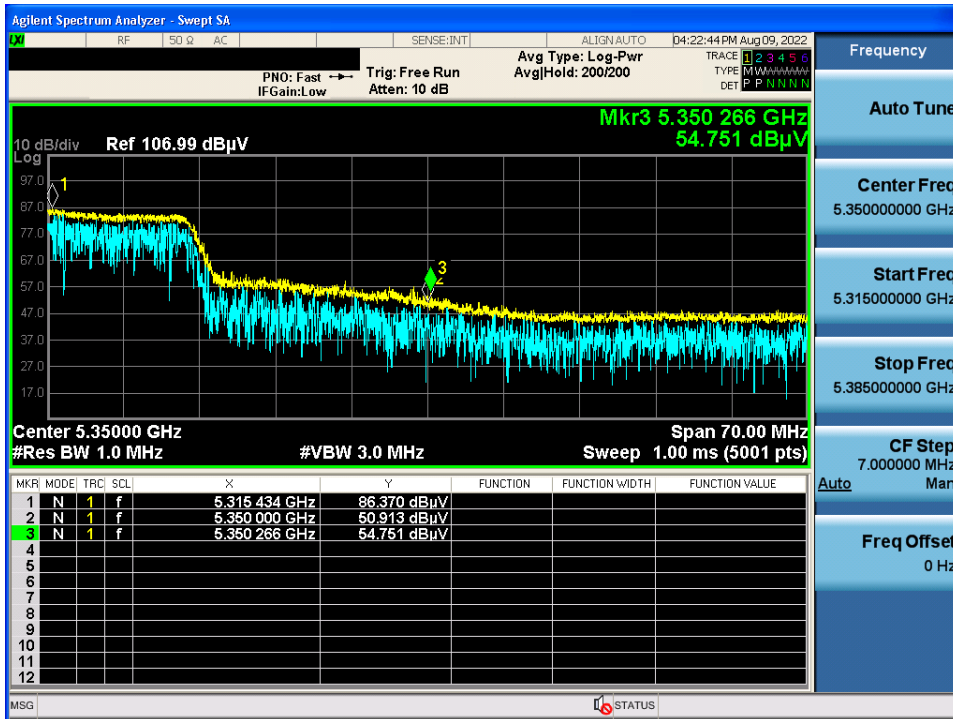
TM 3 & U-NII 1 & 5 190 & Y axis & Ver

Detector Mode : PK



TM 1 & U-NII 2A & 5 310 & Y axis & Ver

Detector Mode : PK



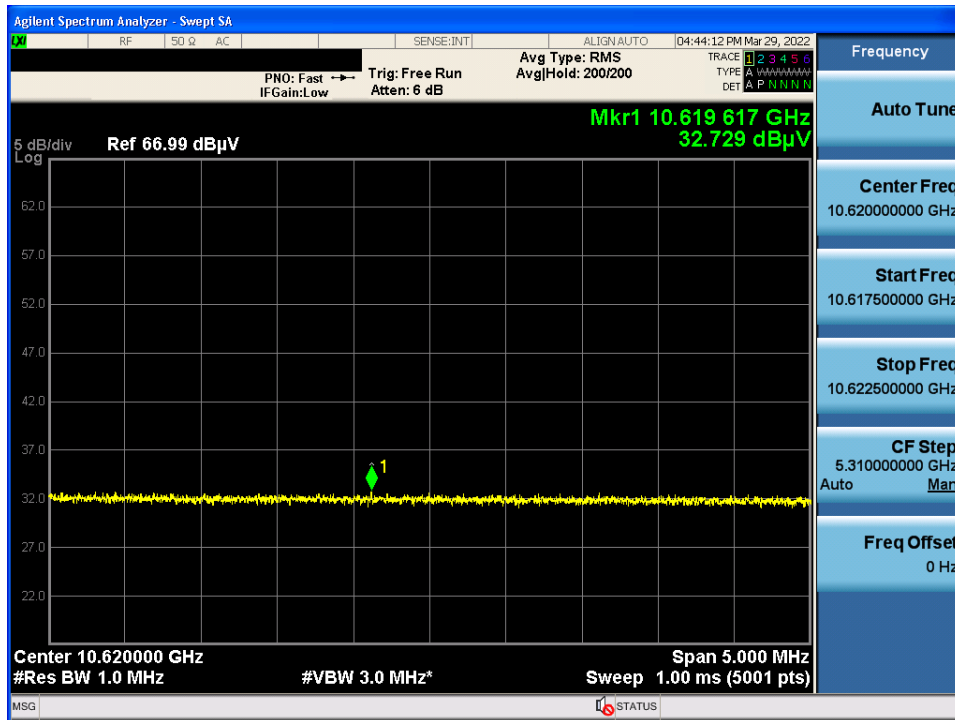
TM 1 & U-NII 2A & 5 310 & Y axis & Ver

Detector Mode : AV



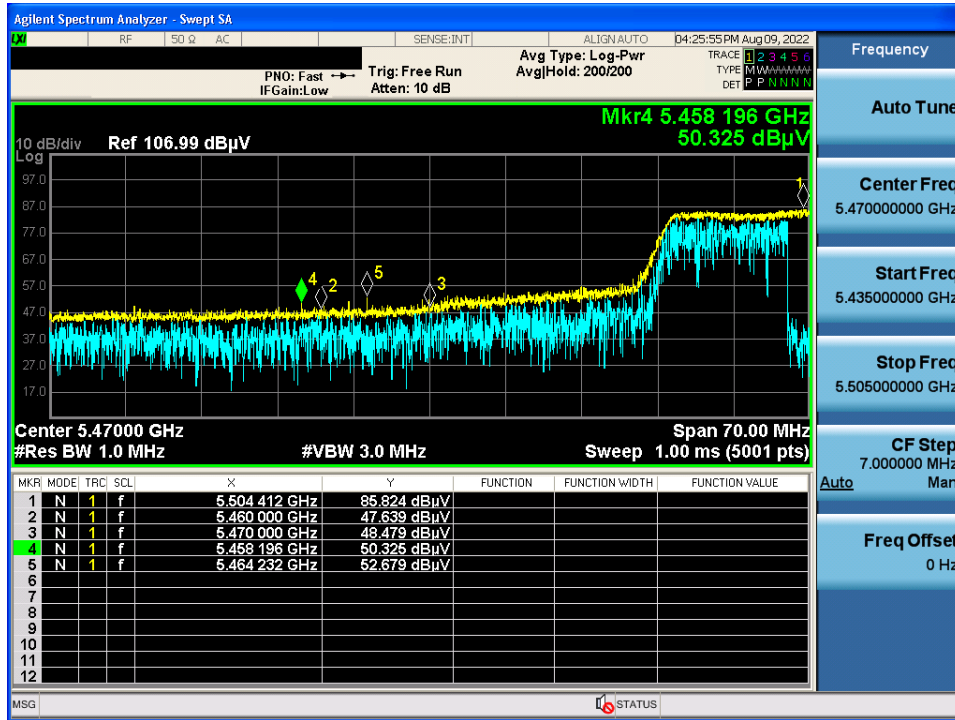
TM 1 & U-NII 2A & 5 310 & Y axis & Ver

Detector Mode : AV



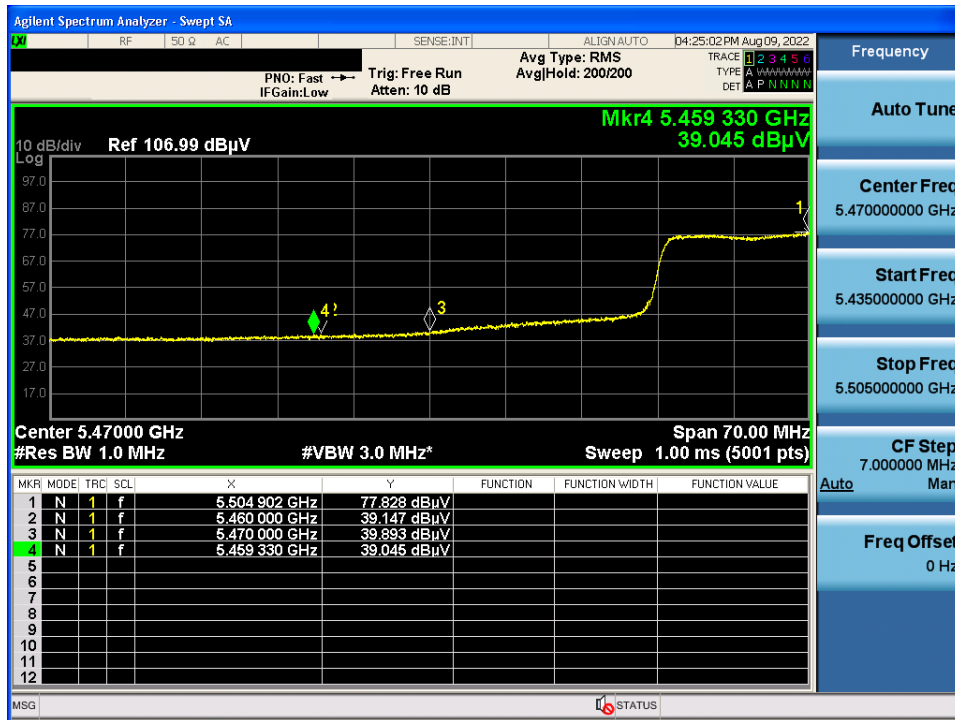
TM 3 & U-NII 2C & 5 510 & Y axis & Ver

Detector Mode : PK



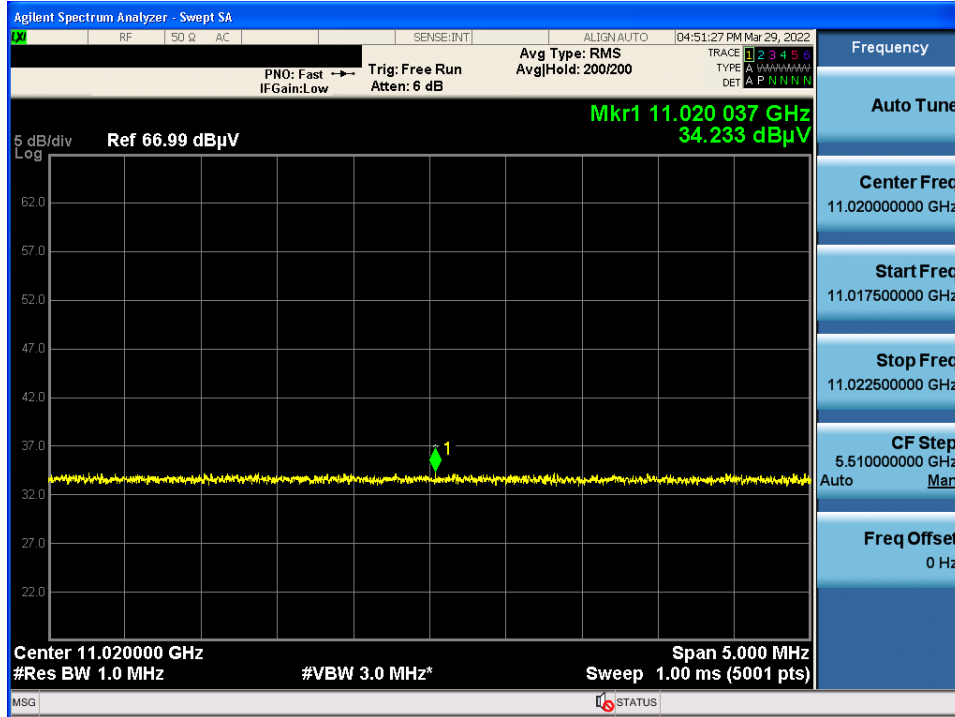
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Detector Mode : AV



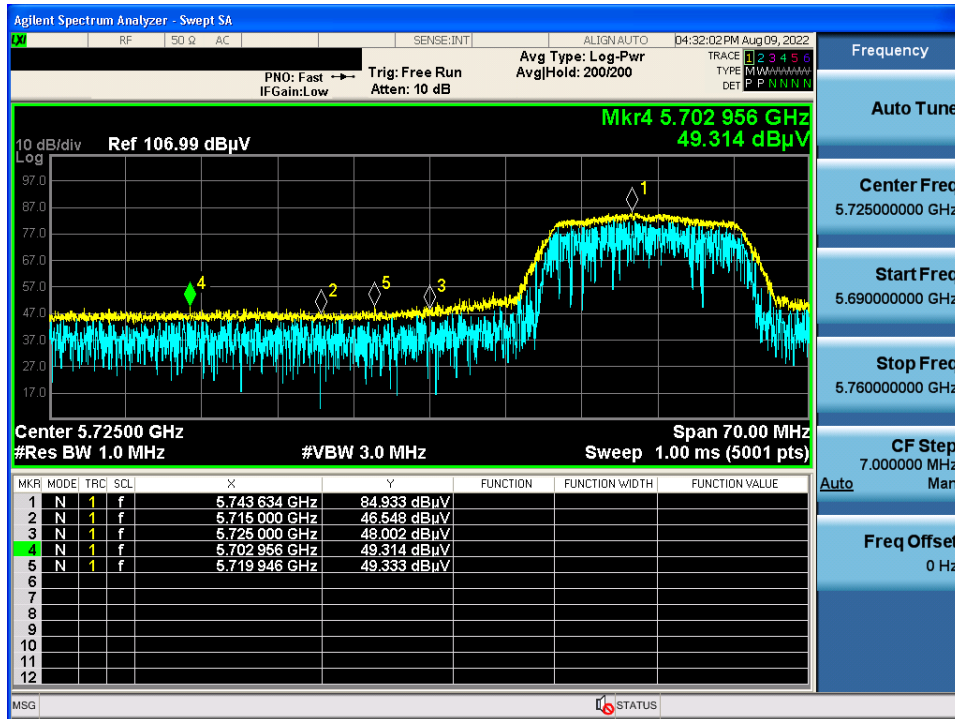
TM 3 & U-NII 2C & 5 510 & Y axis & Ver

Detector Mode : AV



TM 2 & U-NII 3 & 5 745 & Y axis & Ver

Detector Mode : PK



TM 2 & U-NII 3 & 5 745 & Y axis & Ver

Detector Mode : AV

