

AC Power-Line Conducted Emissions (Graph)

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

Results of Conducted Emission

DTNC

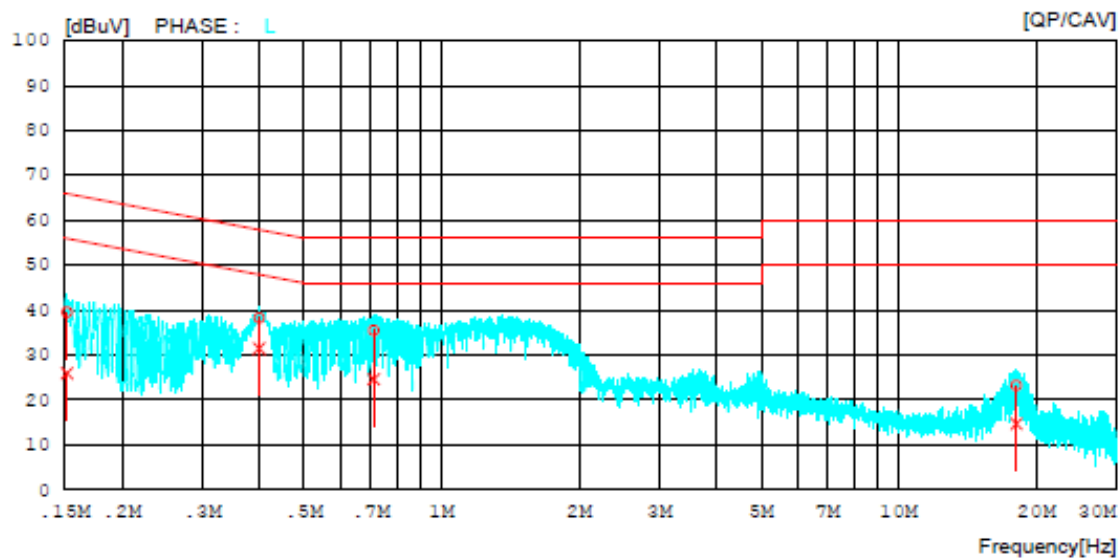
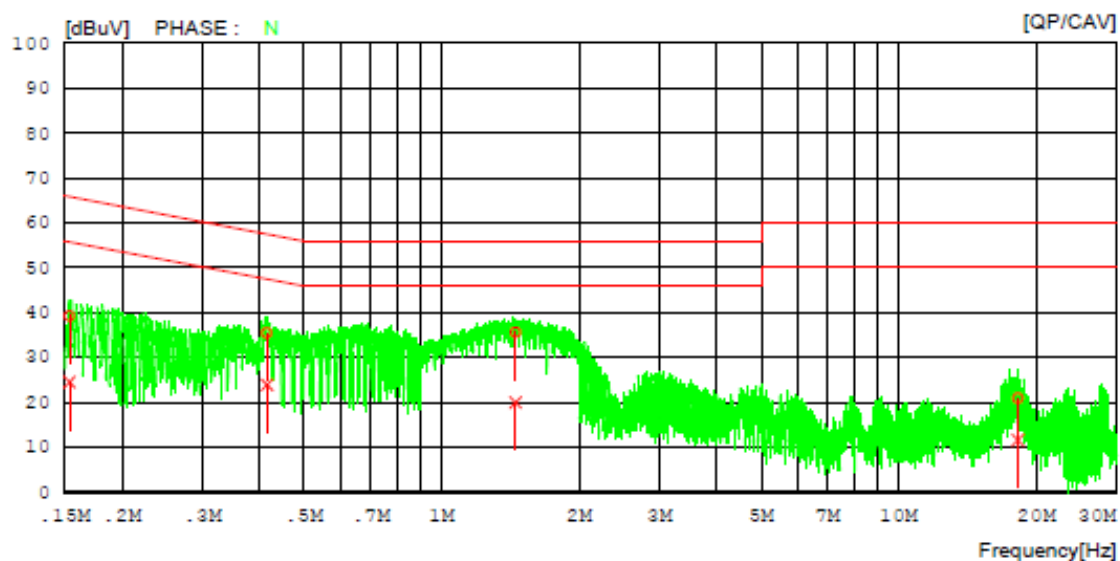
Date 2022-03-25

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 & 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

NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	CAV [dBuV]		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

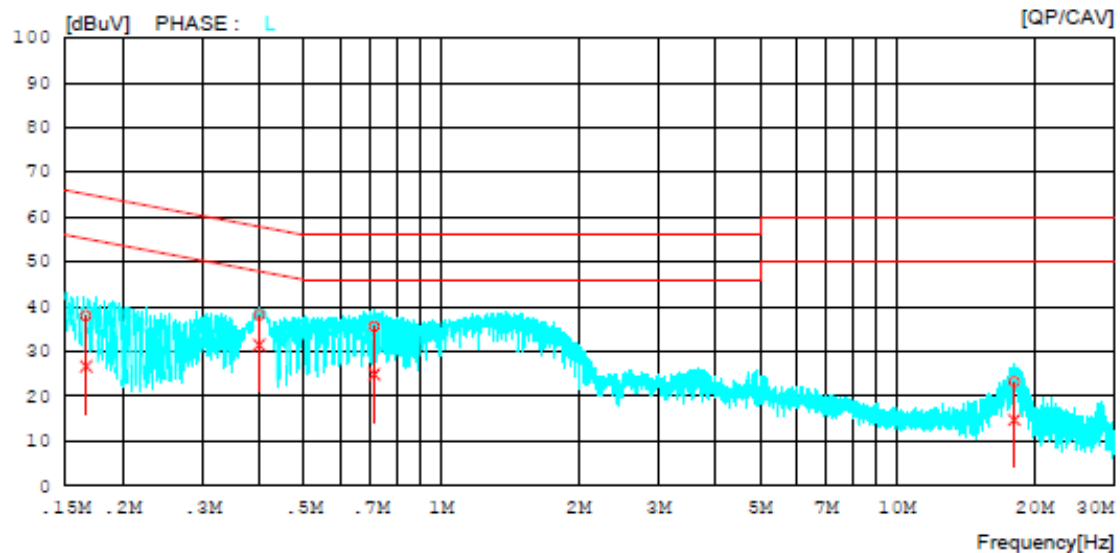
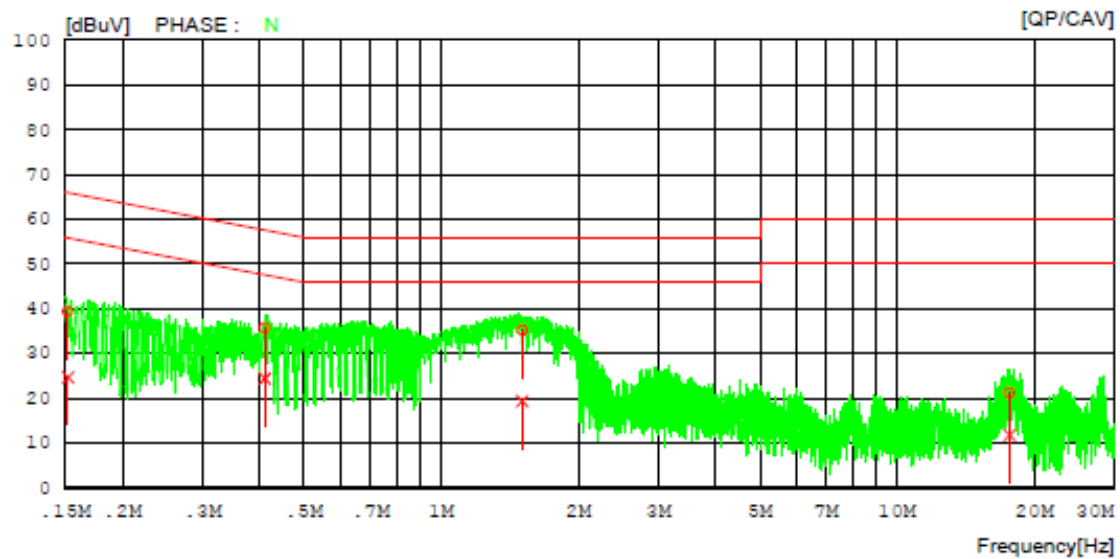
Date 2022-03-25

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 & 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

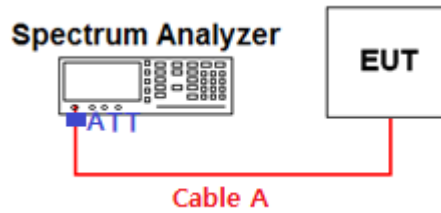
LIMIT : FCC P15.207 AV
FCC P15.207 QP

NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	CAV [dBuV]		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.)

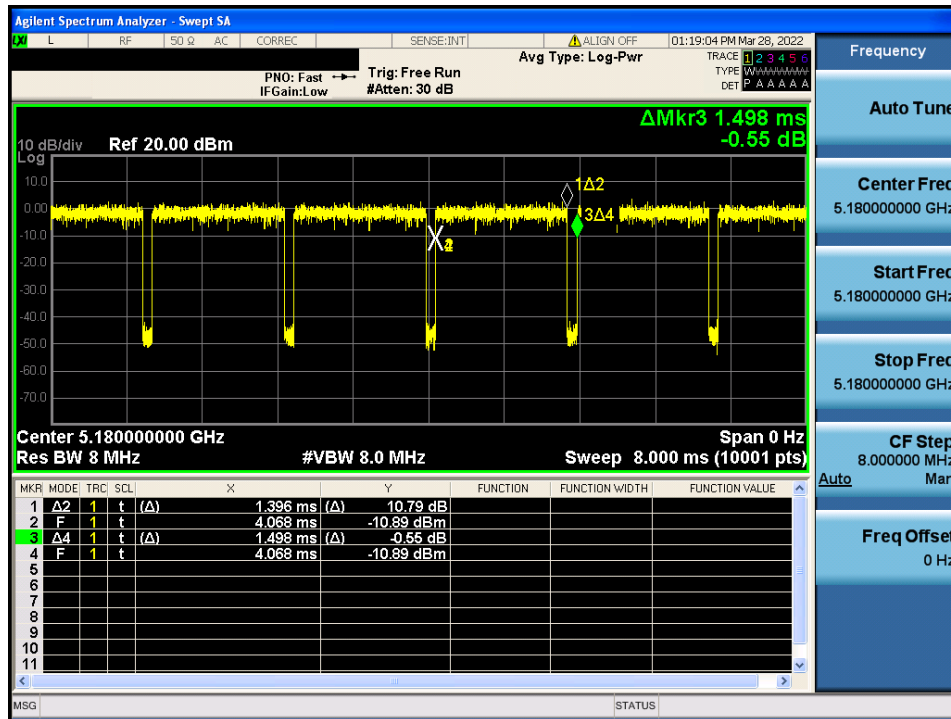
T : The minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

(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:

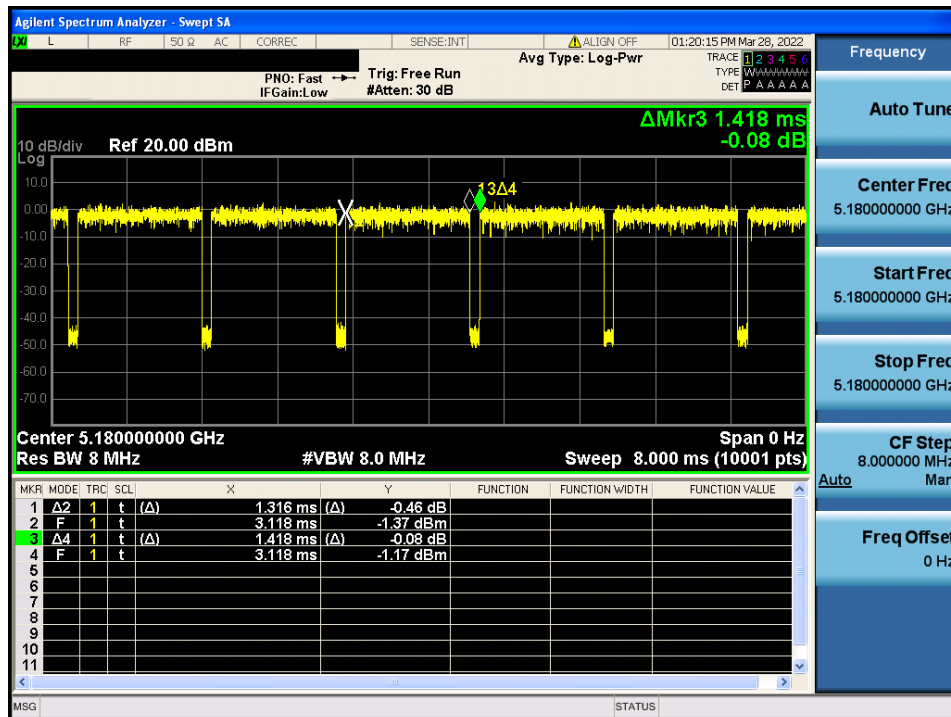
Duty Cycle

Test Mode: TM1 & Ch.36



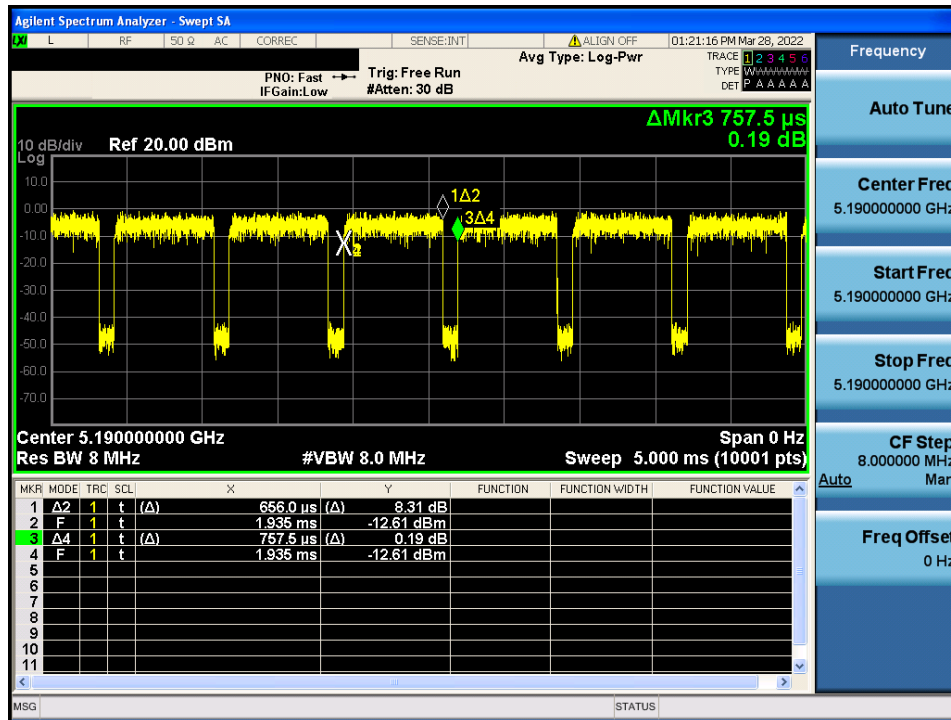
Duty Cycle

Test Mode: TM 2 & Ch.36



Duty Cycle

Test Mode: TM 3 & Ch.38

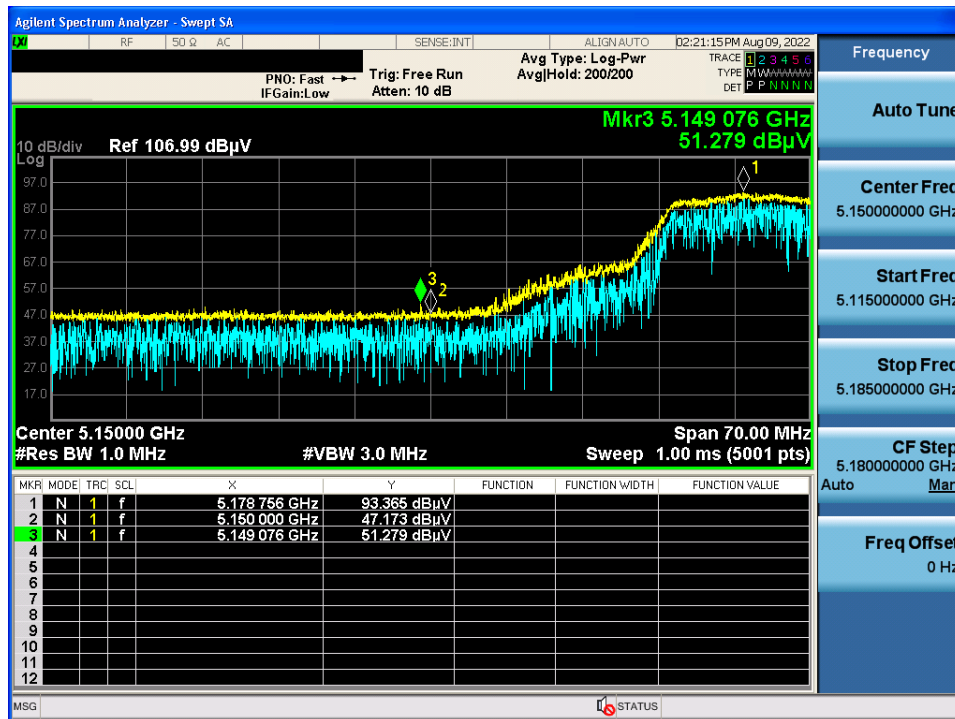


APPENDIX III

Unwanted Emissions (Radiated) Test Plot:

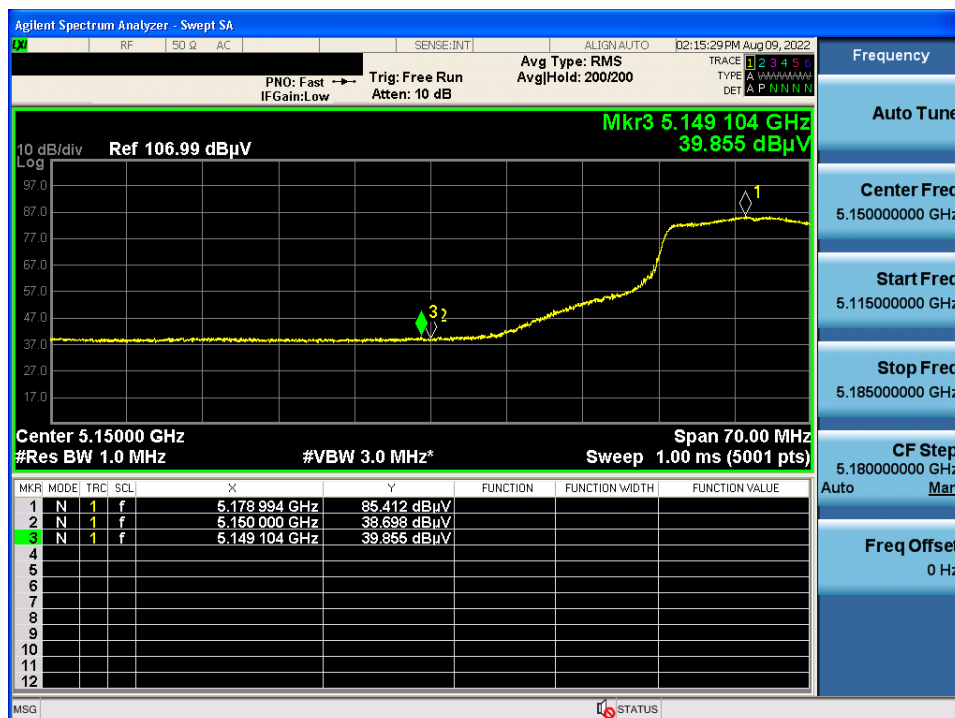
TM 1 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : PK



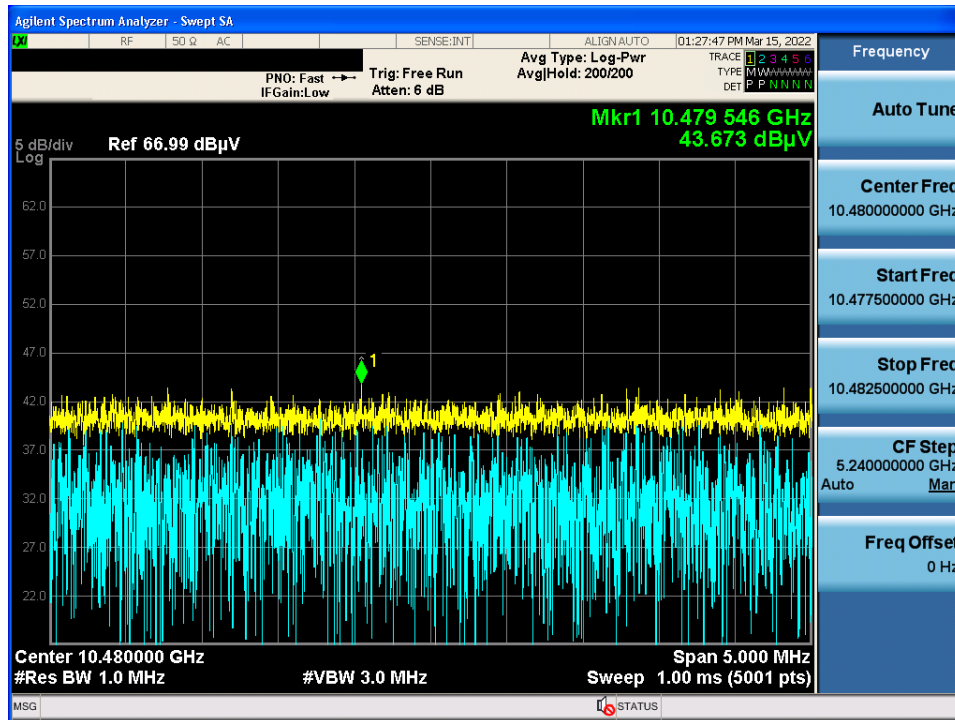
TM 1 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : AV



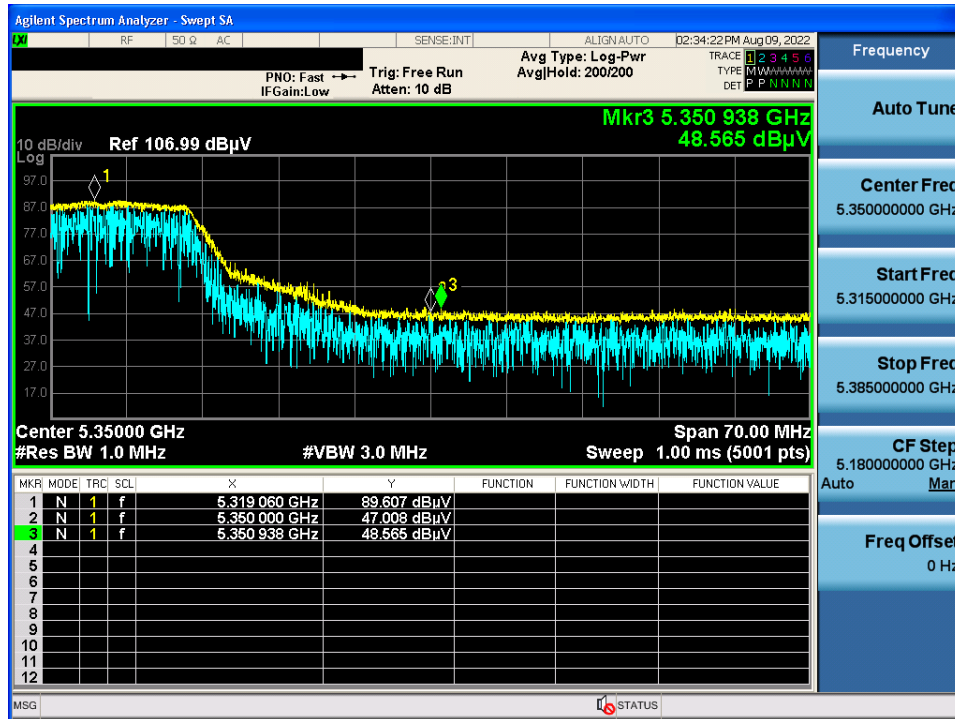
TM 1 & U-NII 1 & 5 240 & Z axis & Hor

Detector Mode : PK



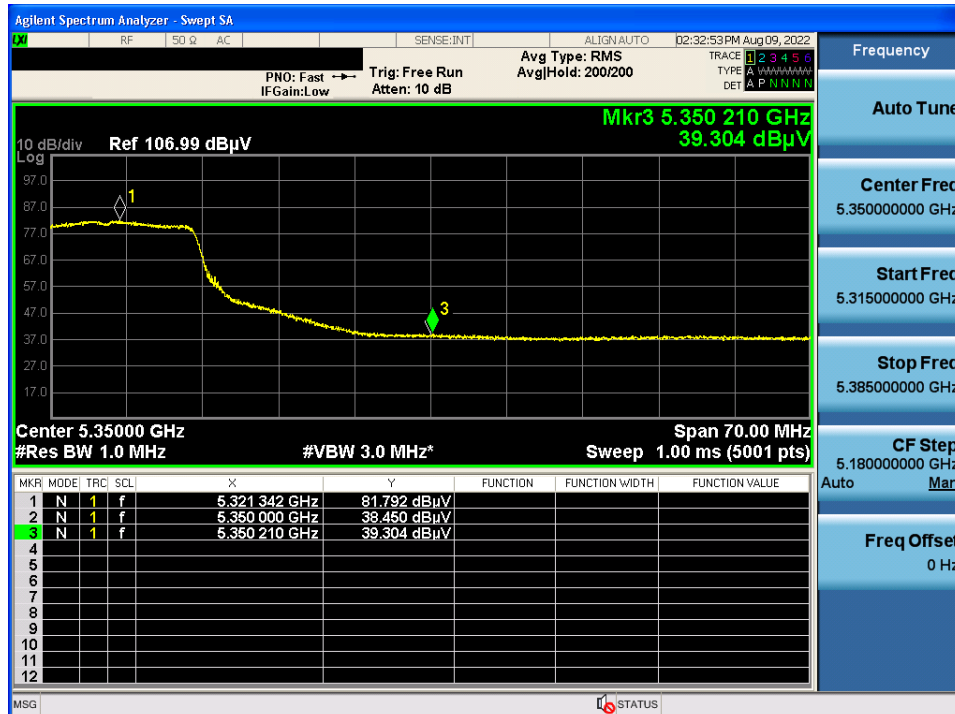
TM 1 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : PK



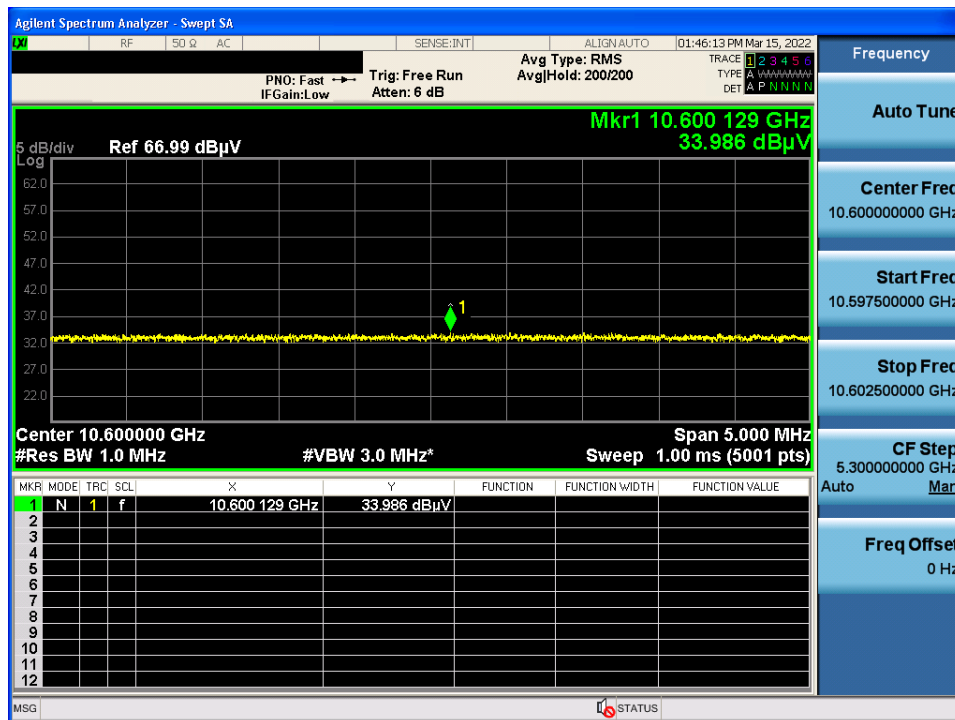
TM 1 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : AV



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

Detector Mode : AV

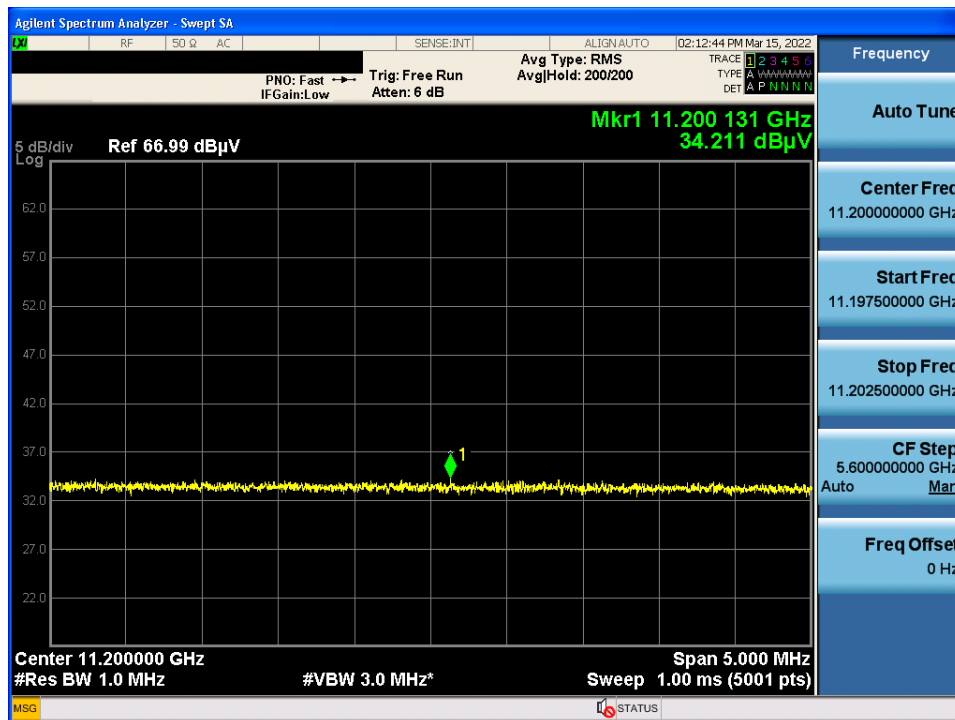


Detector Mode : PK



TM 1 & U-NII 2C & 5 600 & Z axis & Hor

Detector Mode : AV

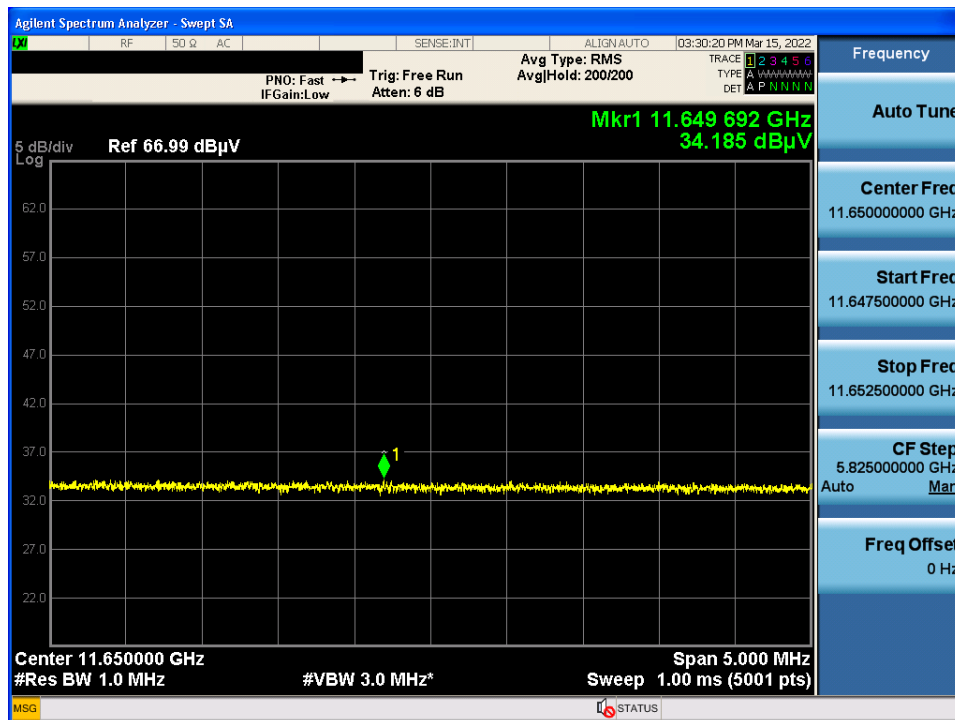


Detector Mode : PK



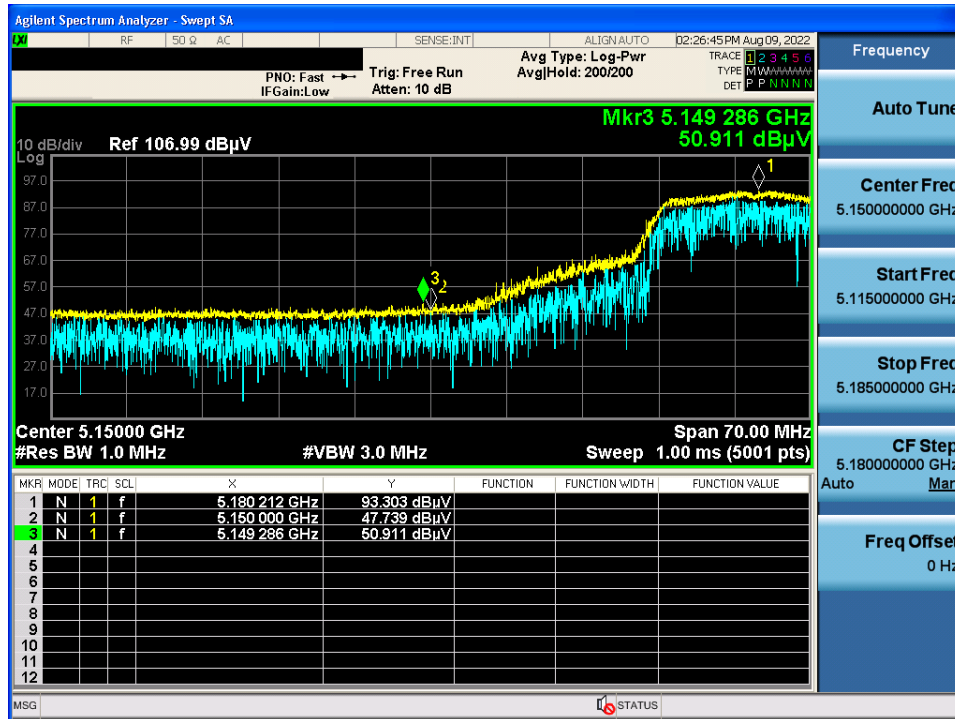
TM 1 & U-NII 3 & 5 825 & Z axis & Hor

Detector Mode : AV



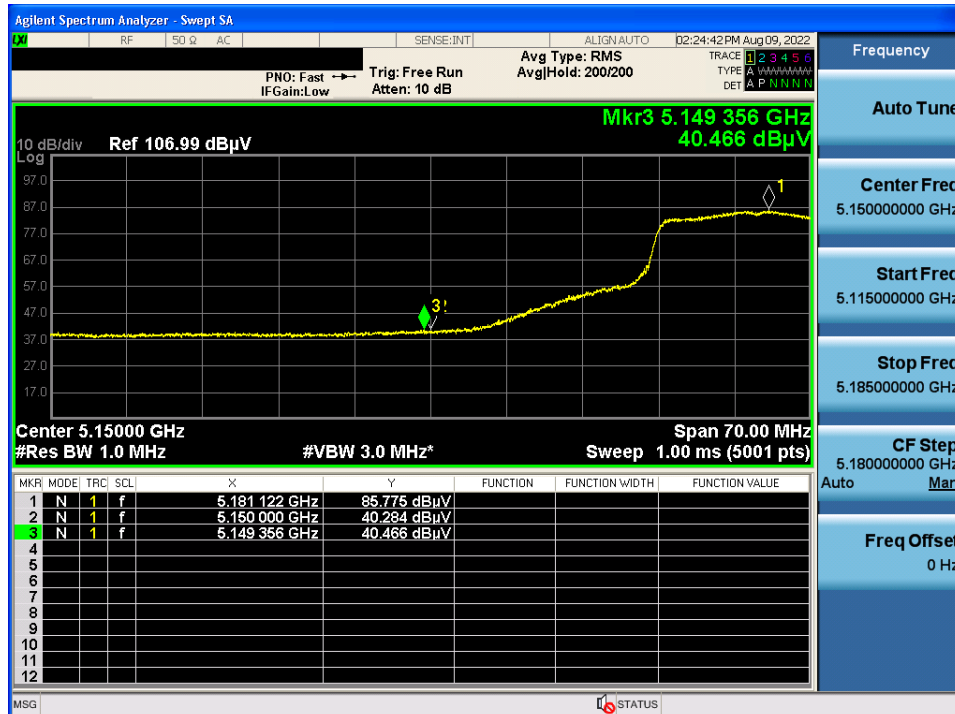
TM 2 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : PK



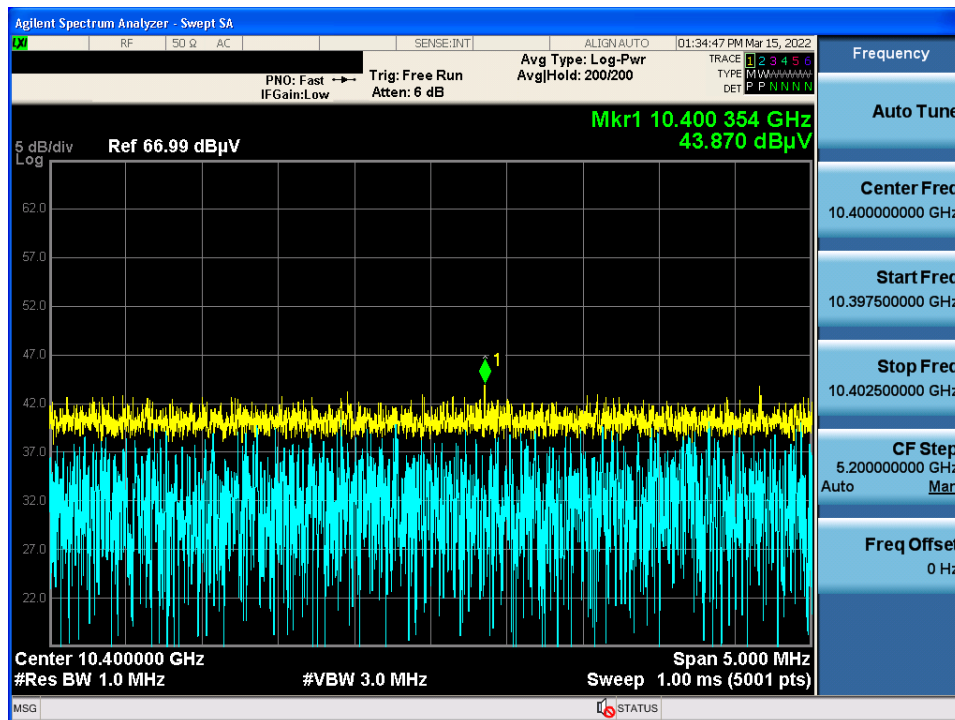
TM 2 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : AV



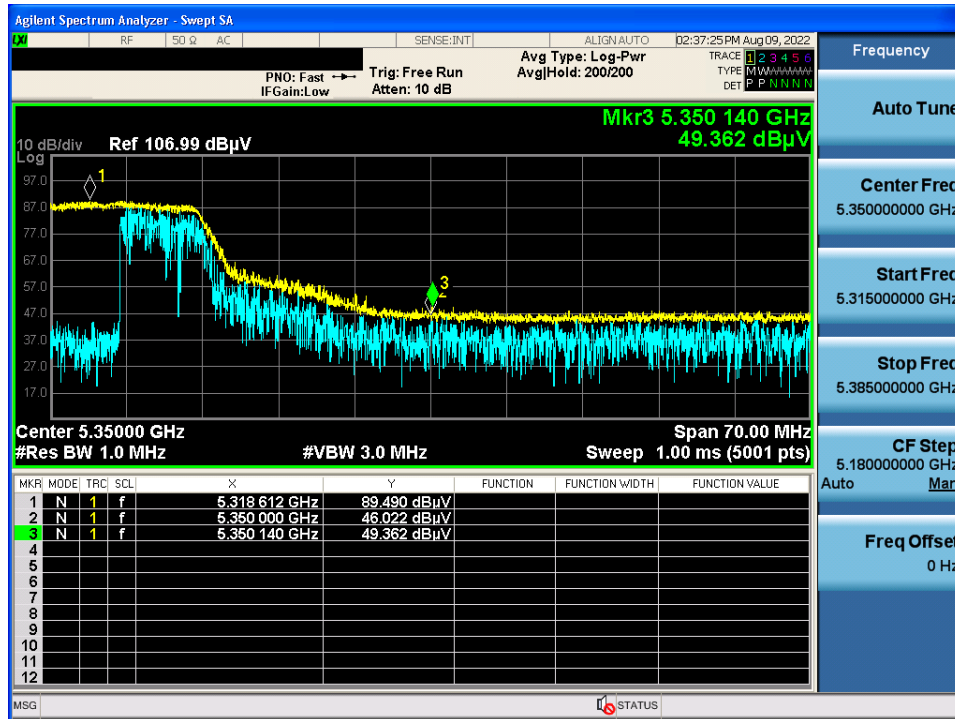
TM 2 & U-NII 1 & 5 200 & Z axis & Hor

Detector Mode : PK



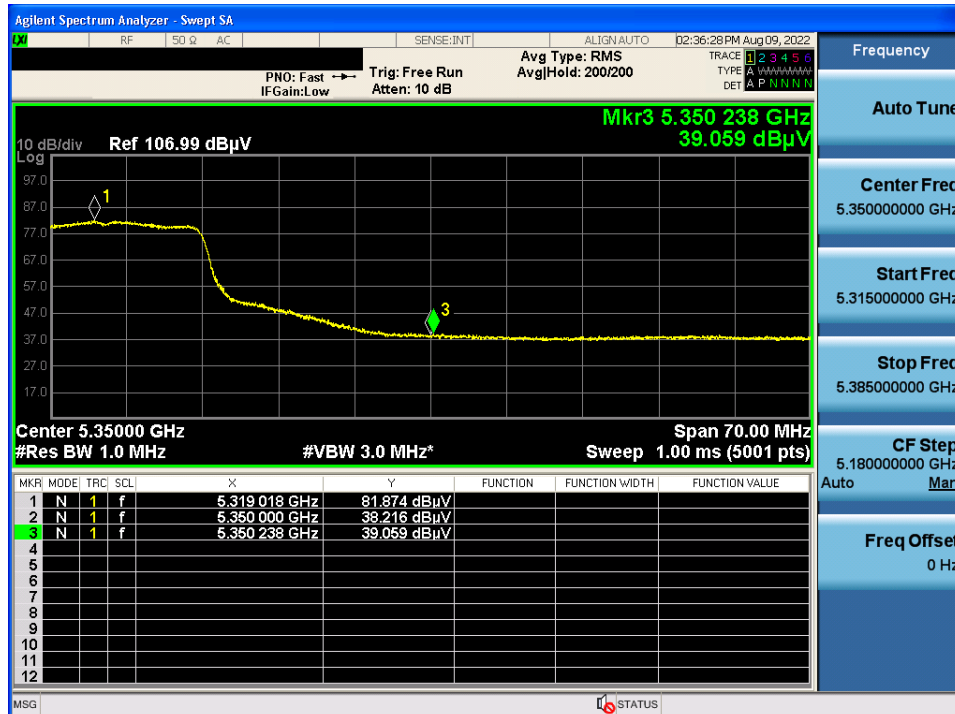
TM 2 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : PK



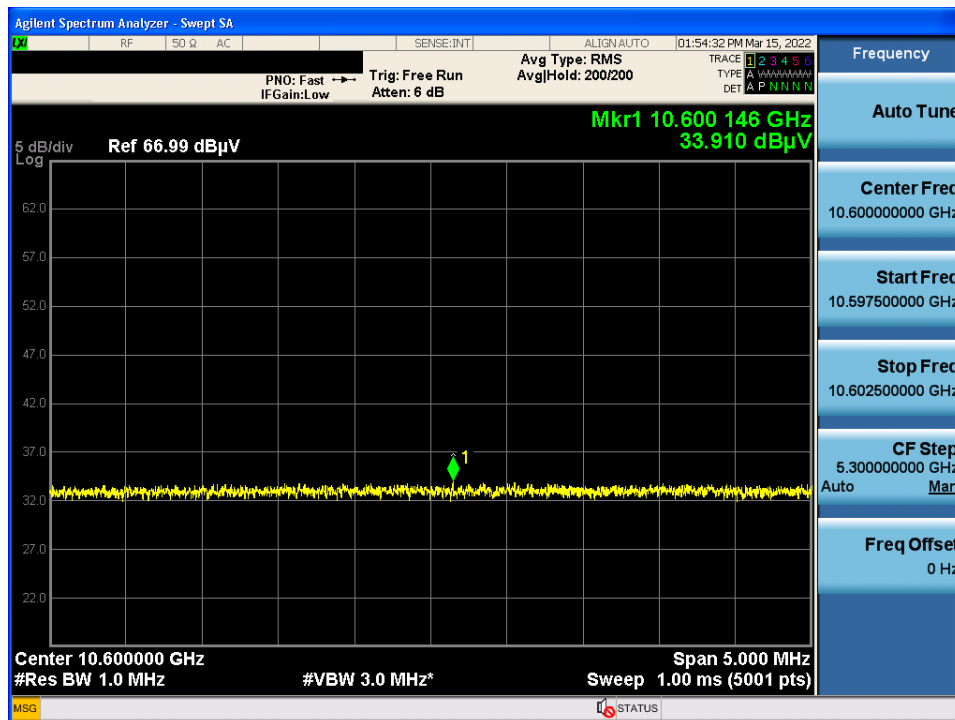
TM 2 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : AV



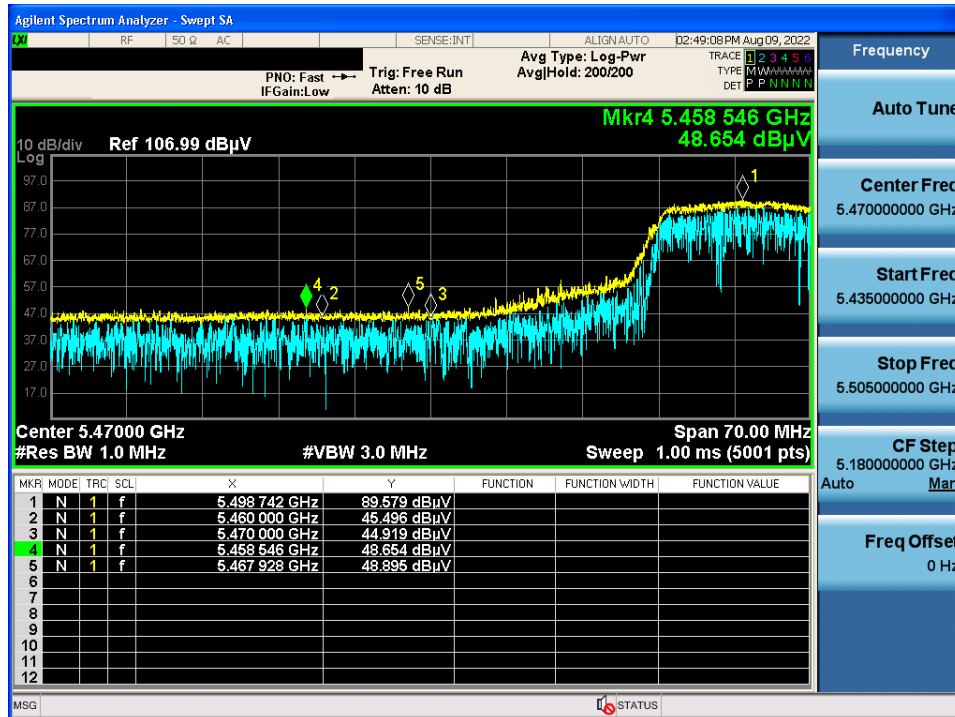
TM 2 & U-NII 2A & 5 300 & Z axis & Hor

Detector Mode : AV



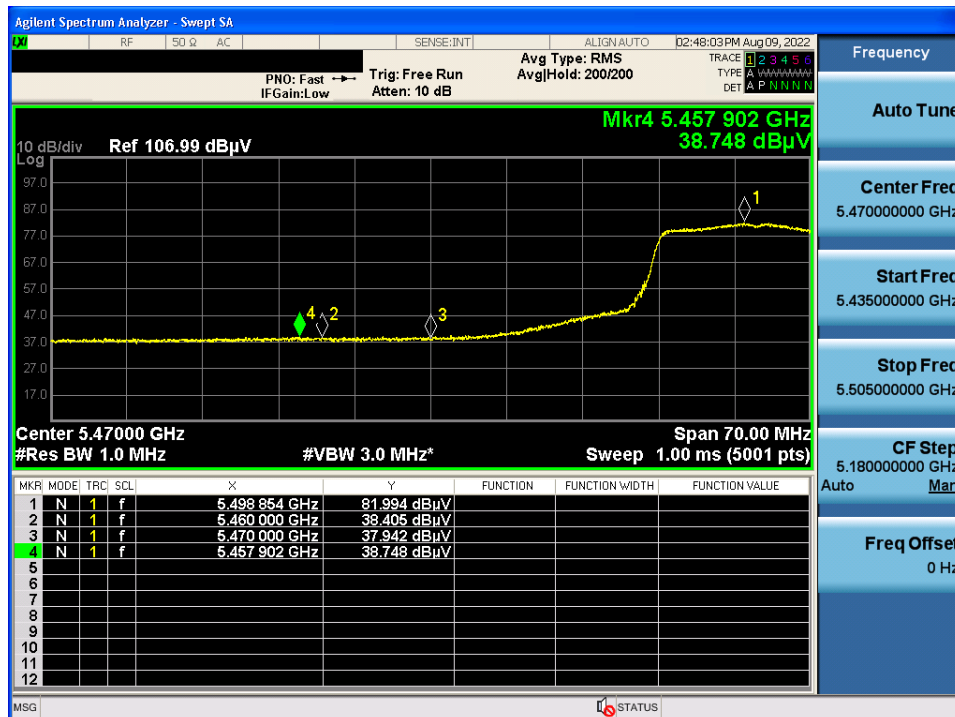
TM 2 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : PK



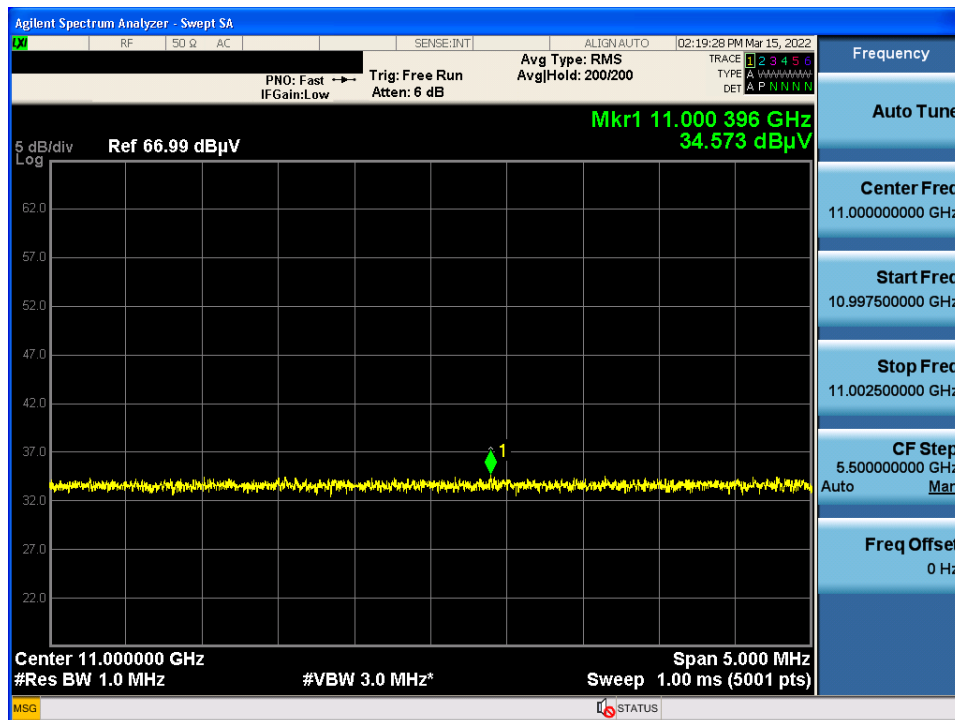
TM 2 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : AV

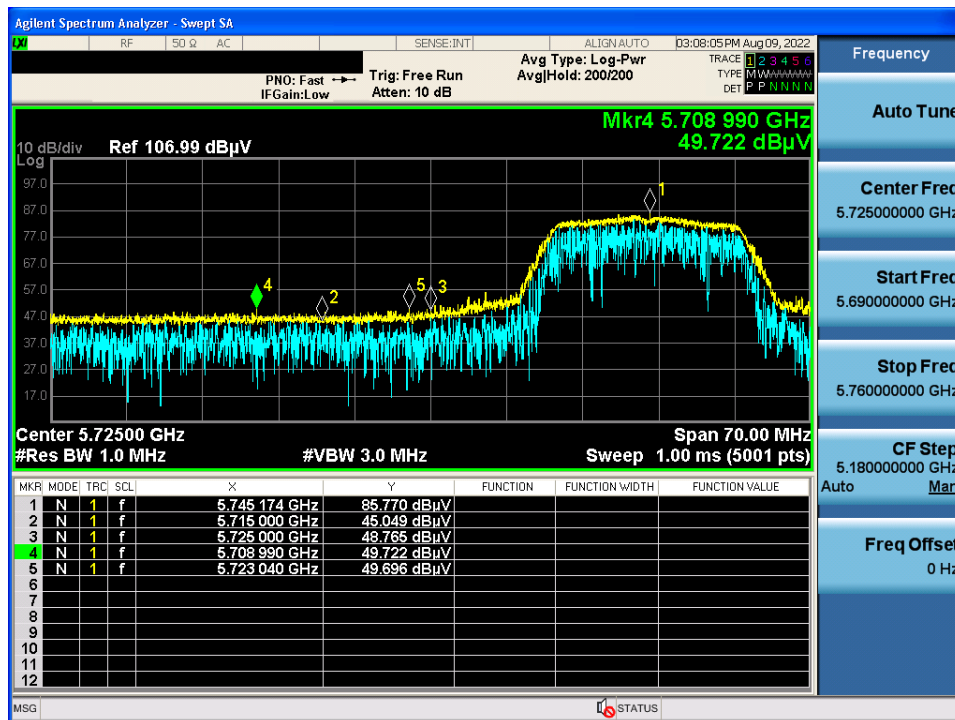


TM 2 & U-NII 2C & 5 500 & Z axis & Hor

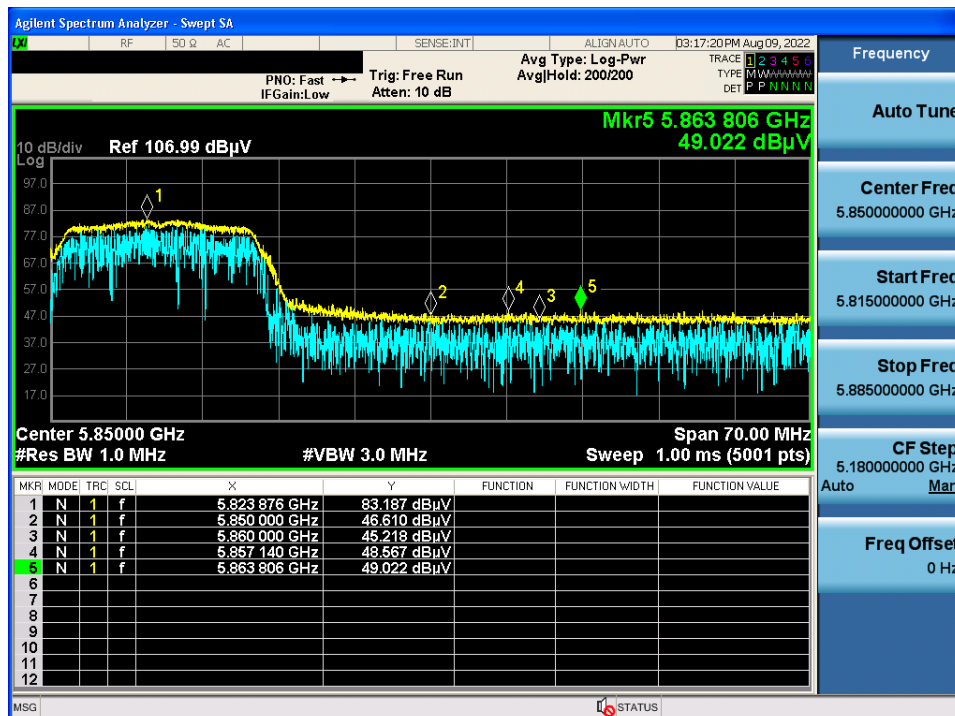
Detector Mode : AV



Detector Mode : PK

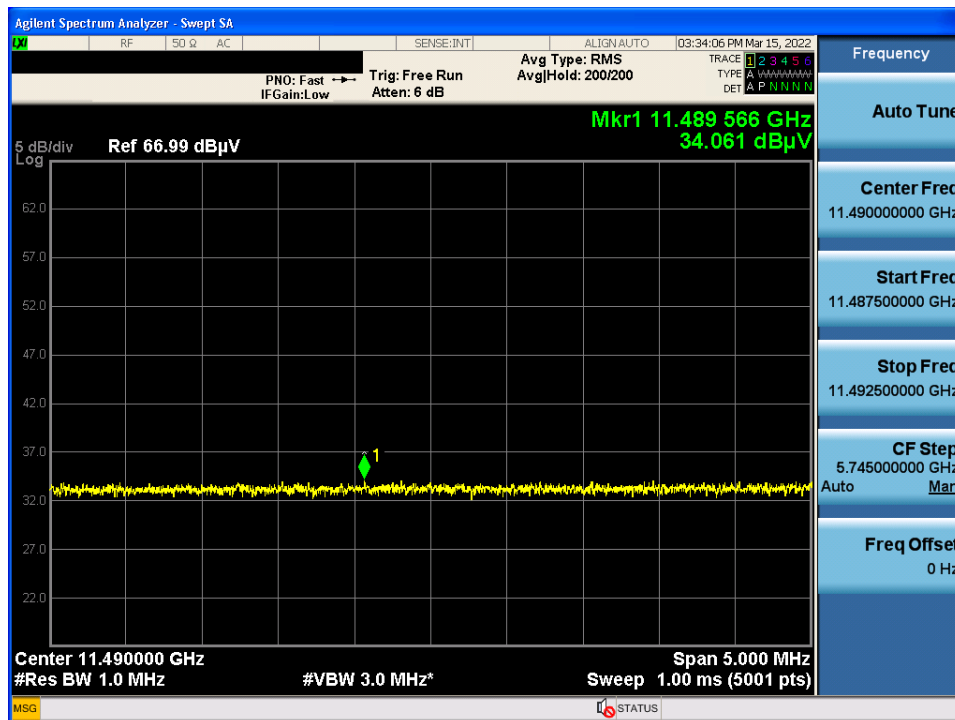


Detector Mode : PK



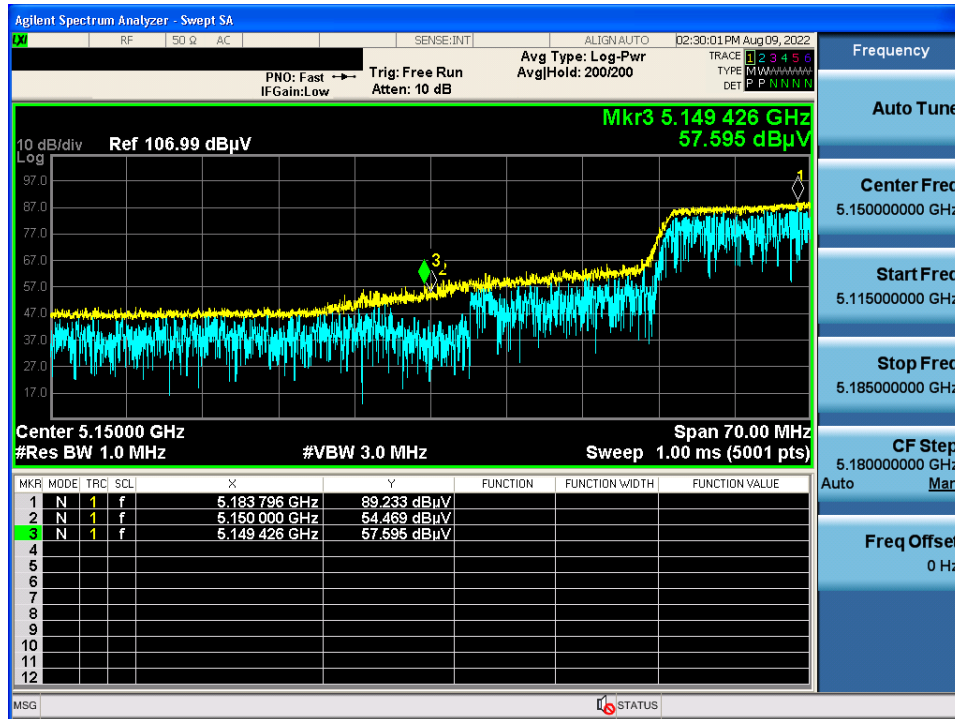
TM 2 & U-NII 3 & 5 745 & Z axis & Hor

Detector Mode : AV



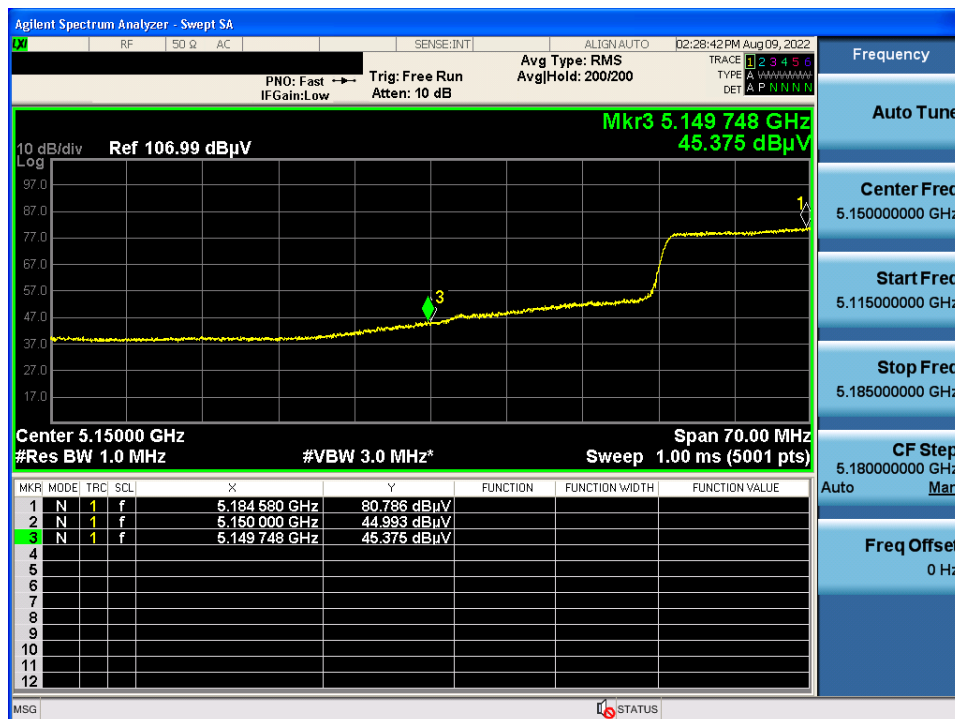
TM 3 & U-NII 1 & 5 190 & Z axis & Hor

Detector Mode : PK



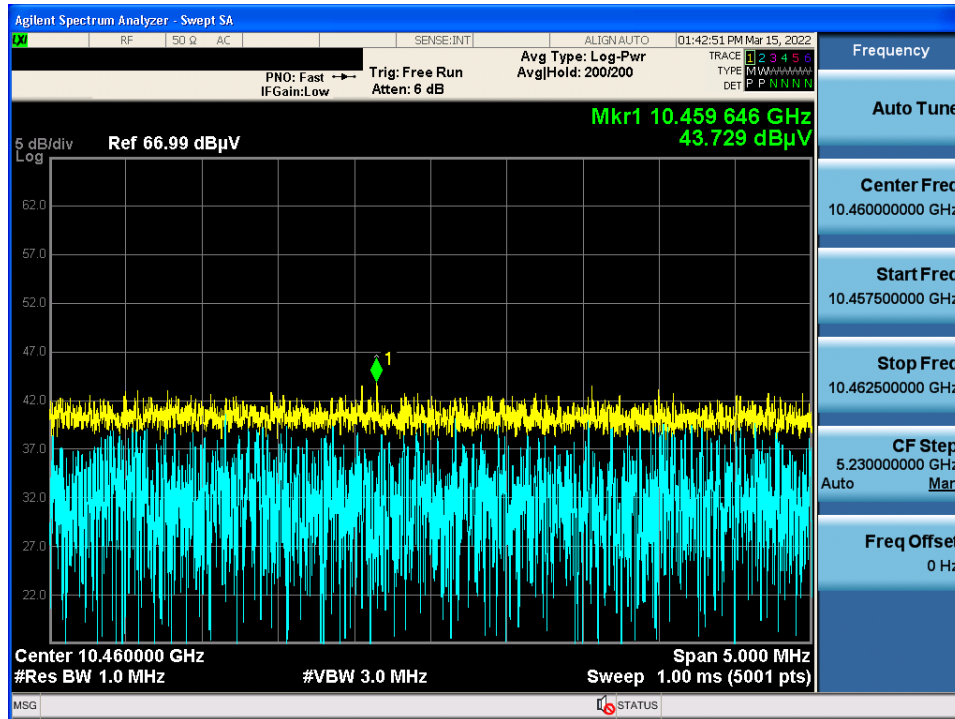
TM 3 & U-NII 1 & 5 190 & Z axis & Hor

Detector Mode : AV



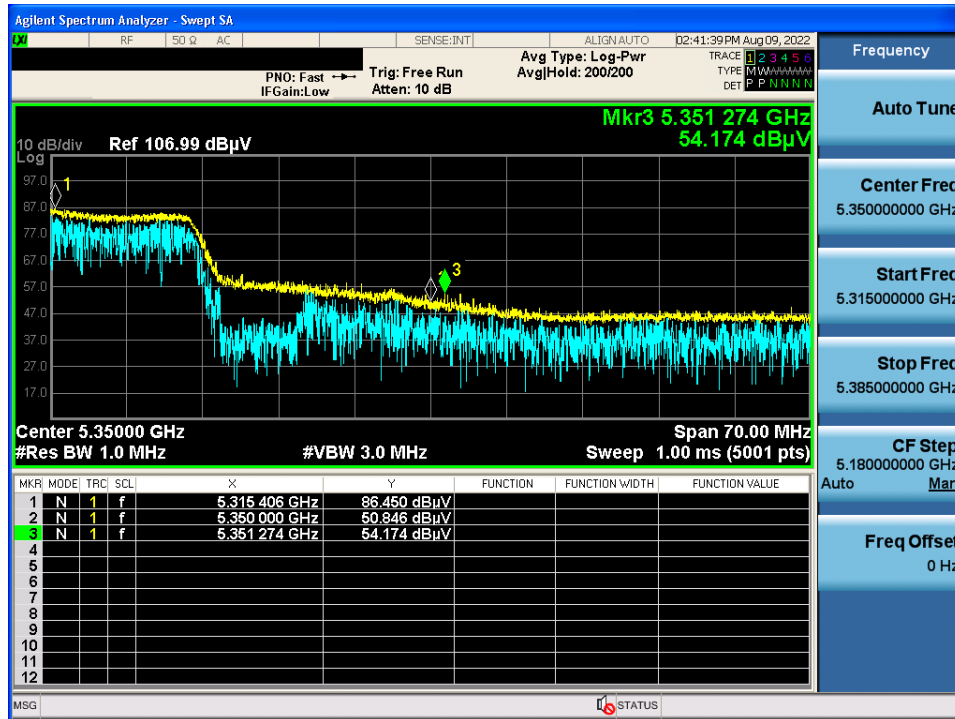
TM 3 & U-NII 1 & 5 230 & Z axis & Hor

Detector Mode : PK



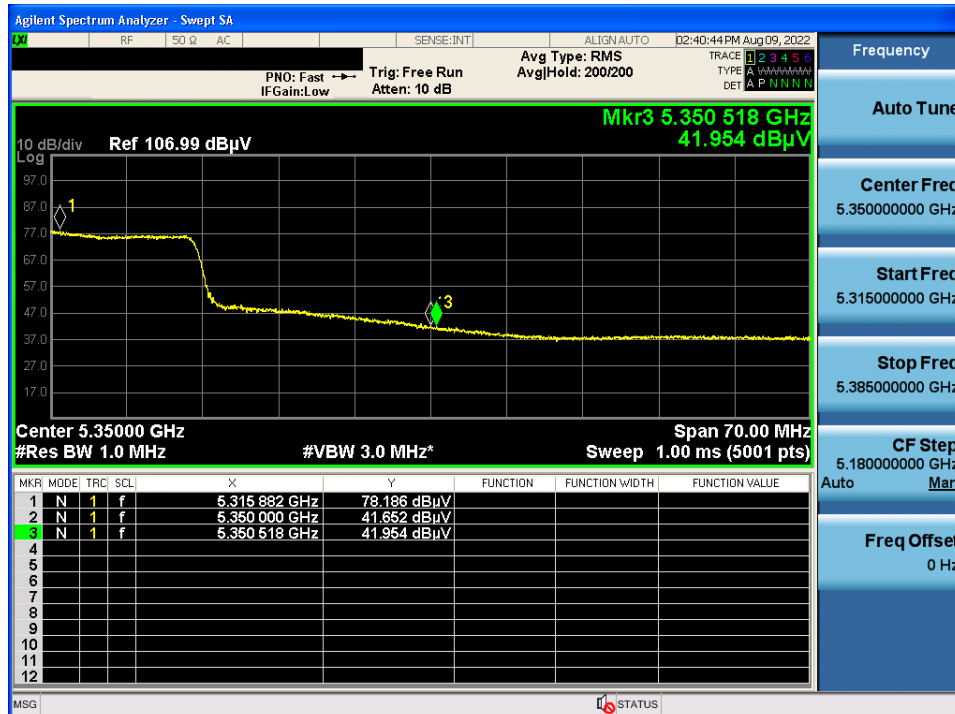
TM 3 & U-NII 2A & 5 310 & Z axis & Hor

Detector Mode : PK



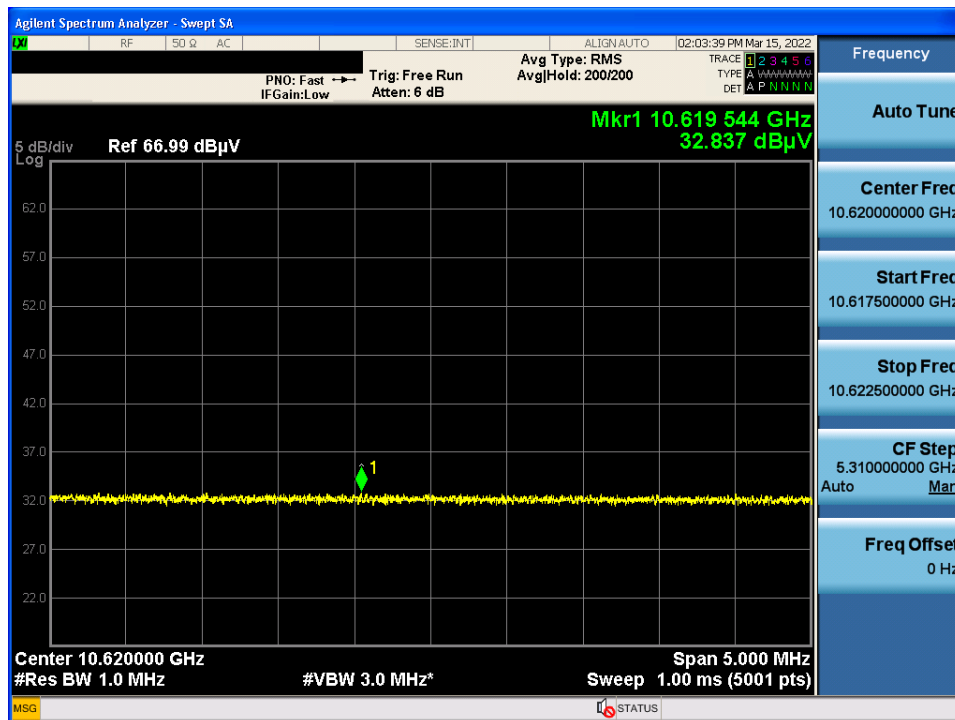
TM 3 & U-NII 2A & 5 310 & Z axis & Hor

Detector Mode : AV



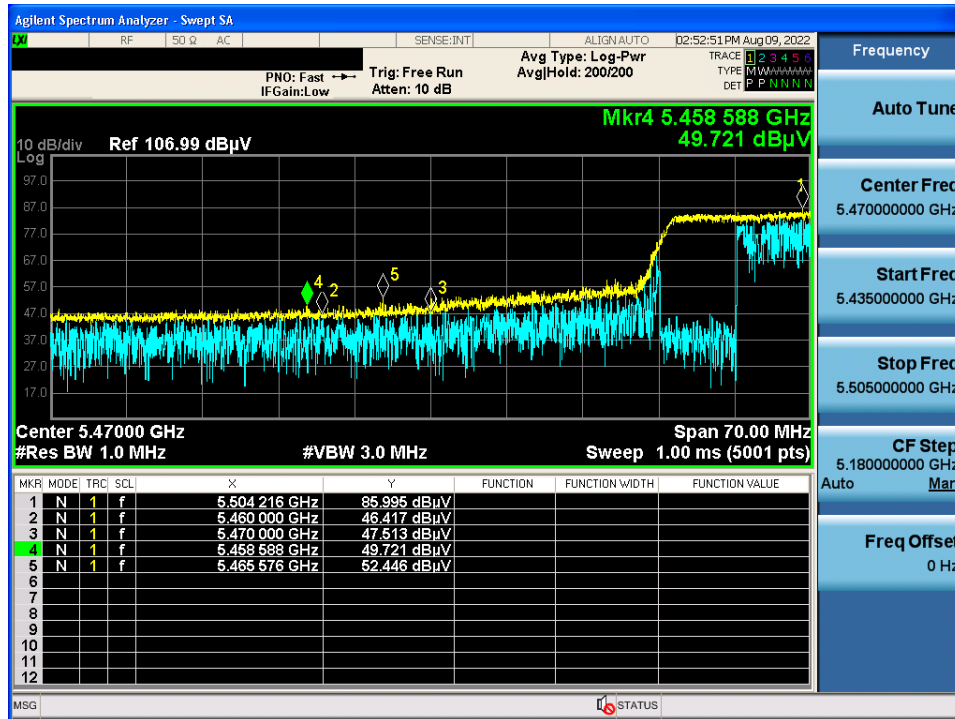
TM 3 & U-NII 2A & 5 310 & Z axis & Hor

Detector Mode : AV



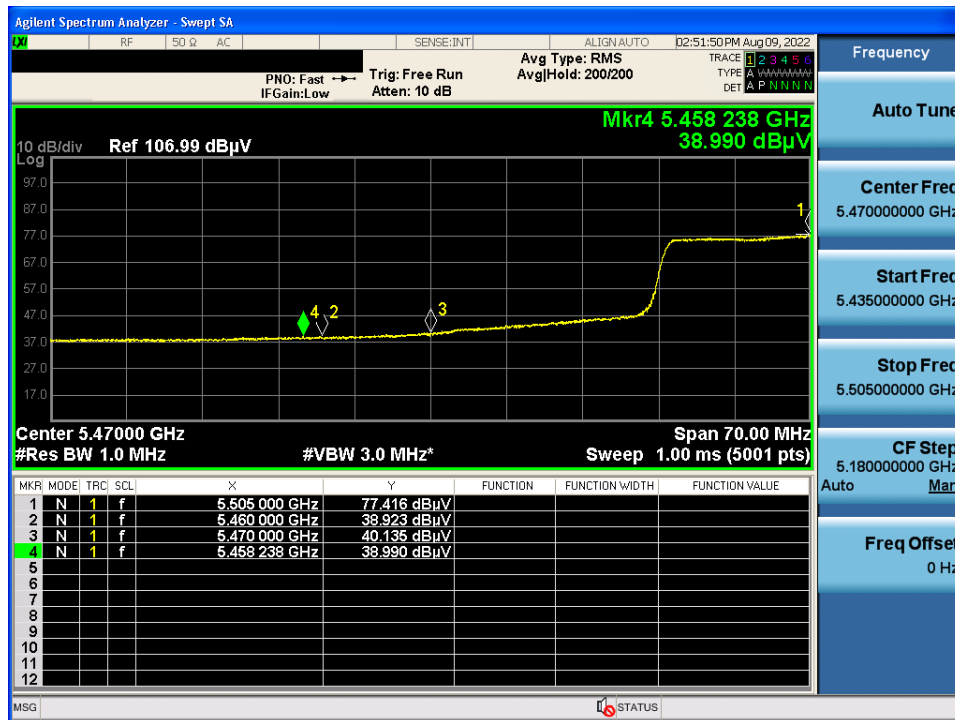
TM 3 & U-NII 2C & 5 510 & Z axis & Hor

Detector Mode : PK



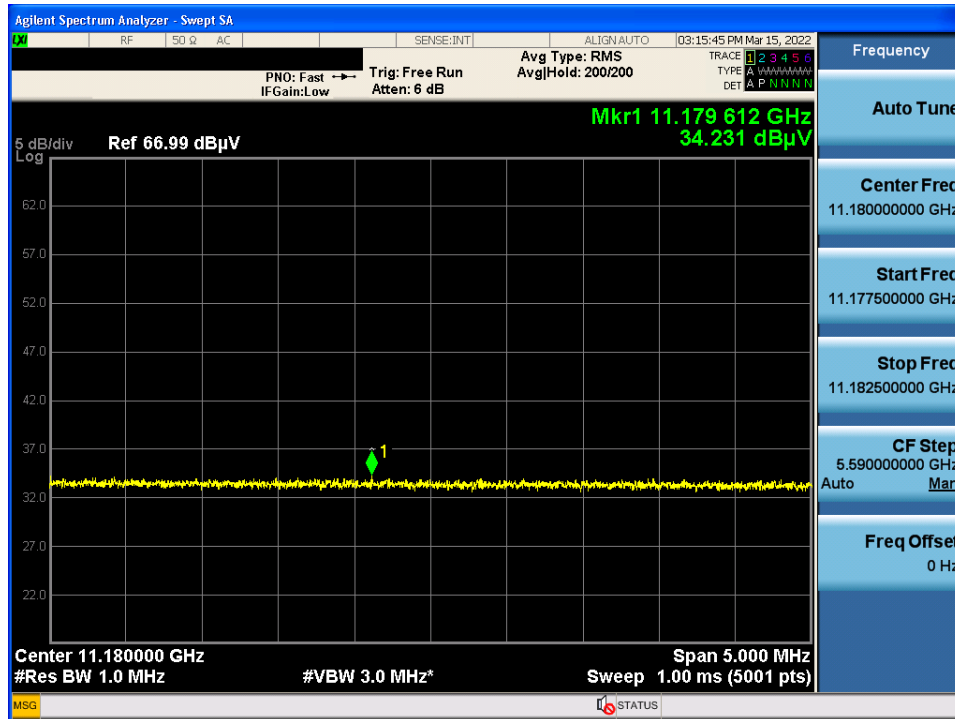
TM 3 & U-NII 2C & 5 510 & Z axis & Hor

Detector Mode : AV



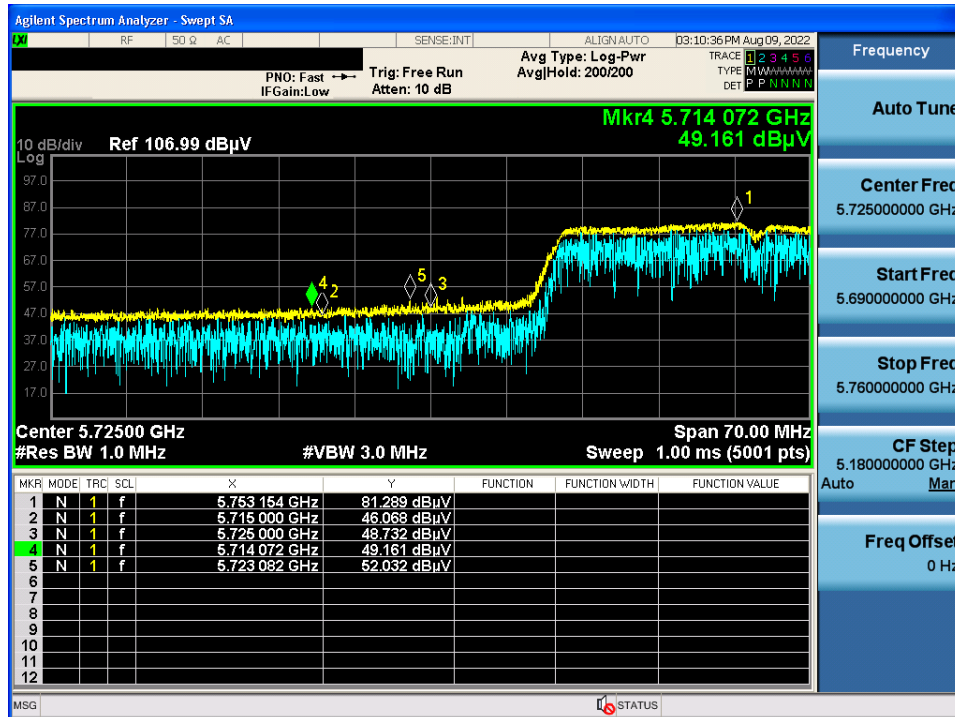
TM 3 & U-NII 2C & 5 590 & Z axis & Hor

Detector Mode : AV



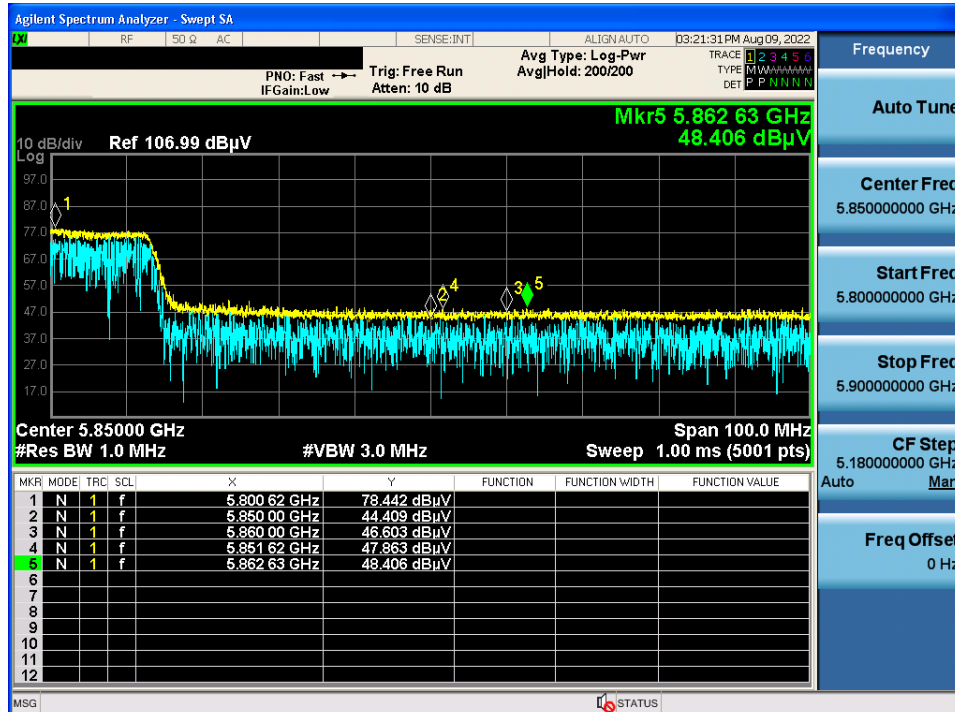
TM 3 & U-NII 3 & 5 755 & Z axis & Hor

Detector Mode : PK



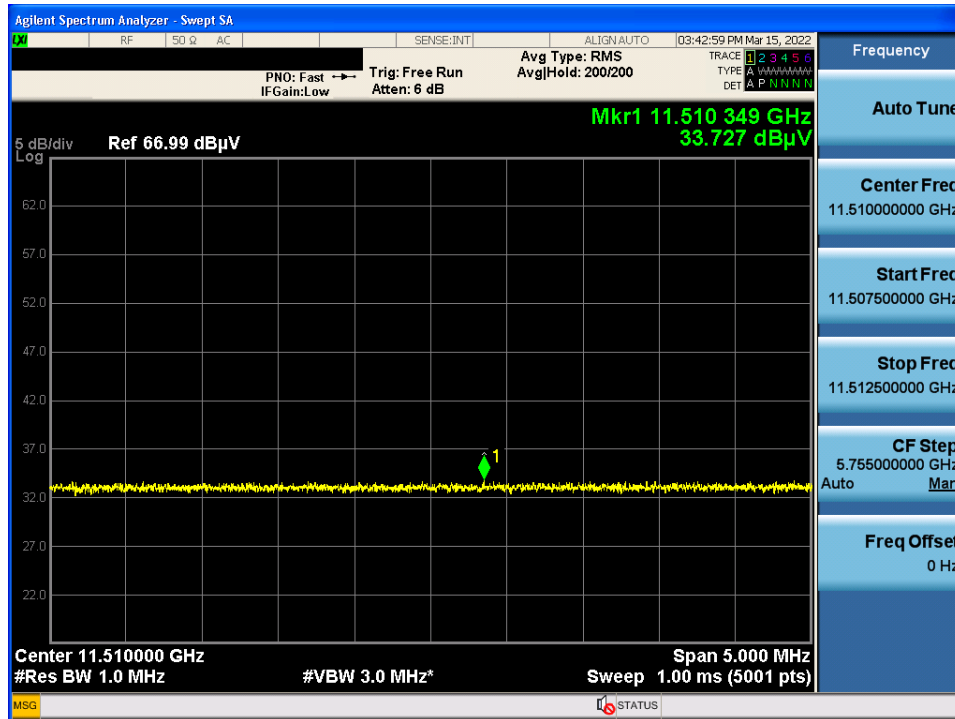
TM 3 & U-NII 3 & 5 795 & Z axis & Hor

Detector Mode : PK



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

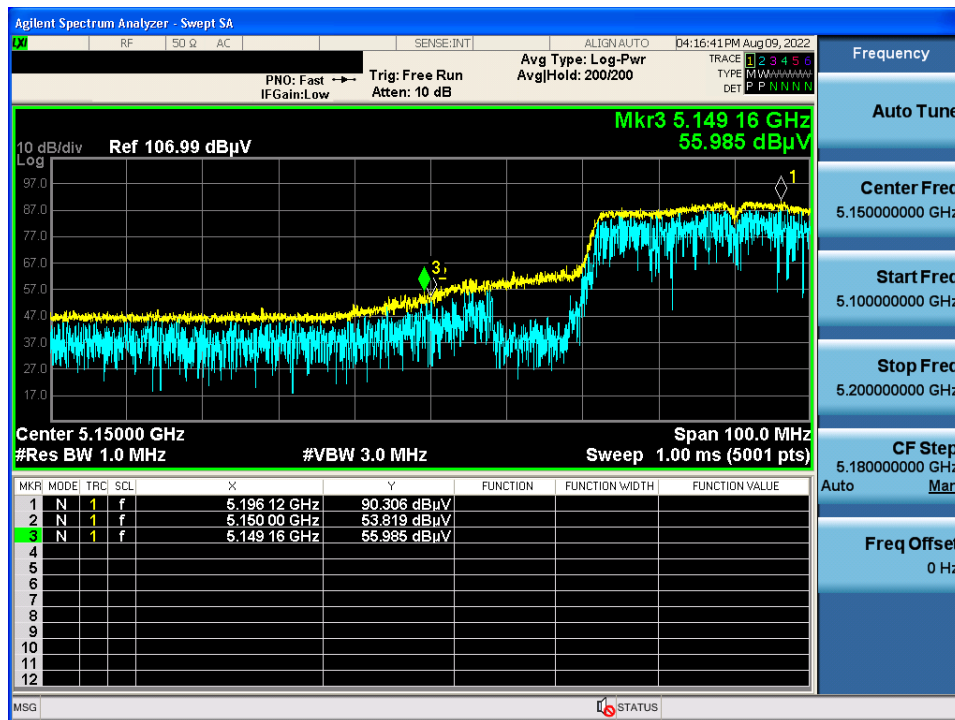
Detector Mode : AV



Unwanted Emissions (Radiated) Test Plot: Wireless Charging

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

Detector Mode : PK



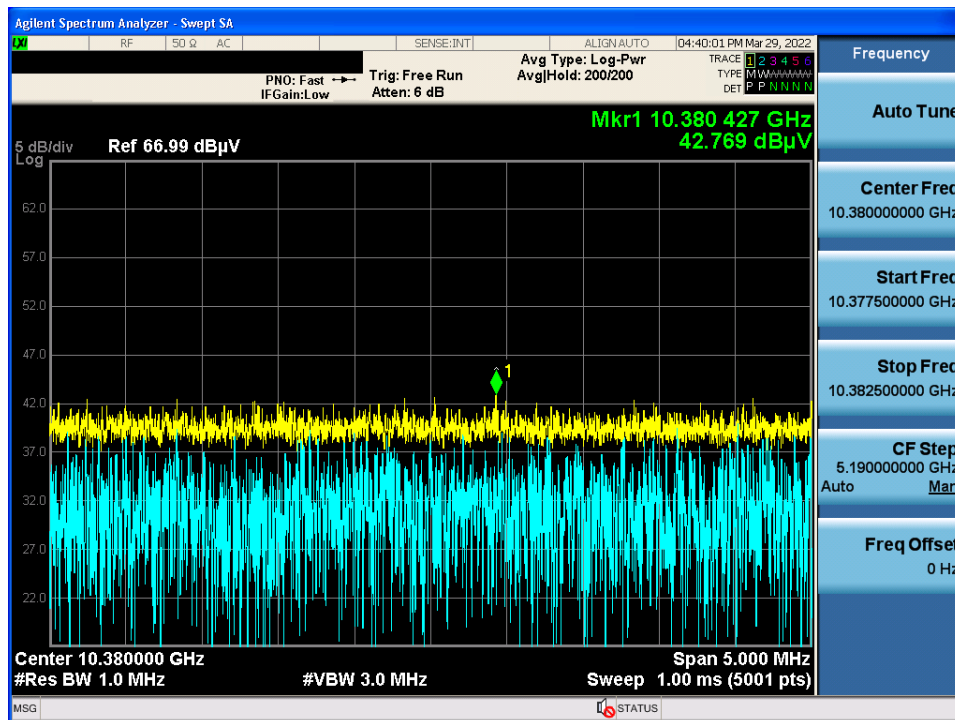
TM 3 & U-NII 1 & 5 190 & Y axis & Ver

Detector Mode : AV



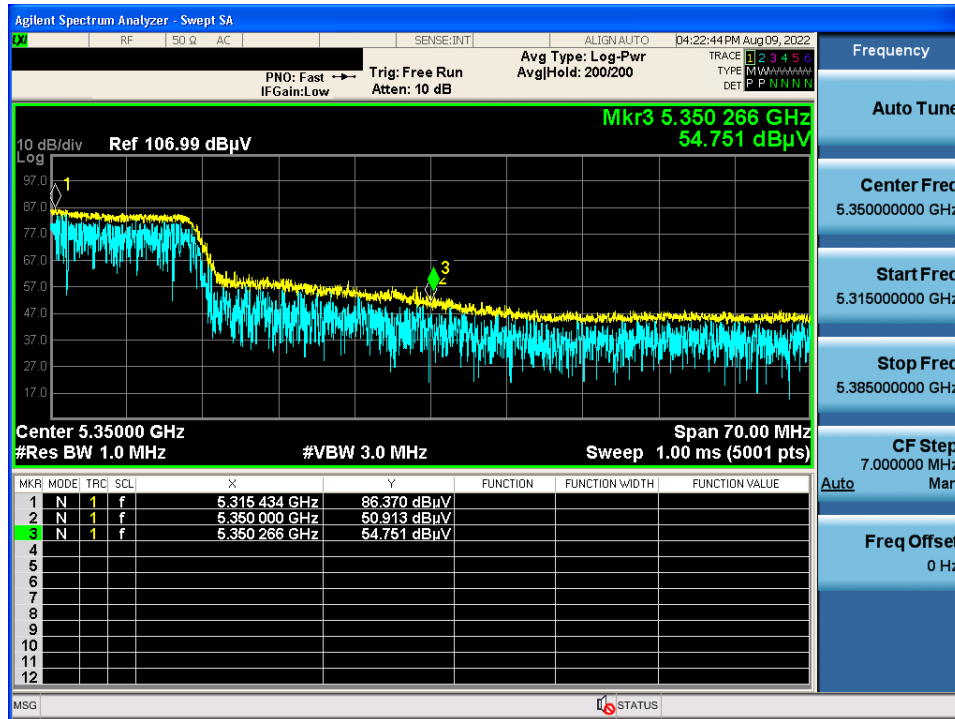
TM 3 & U-NII 1 & 5 190 & Y axis & Ver

Detector Mode : PK



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

Detector Mode : PK



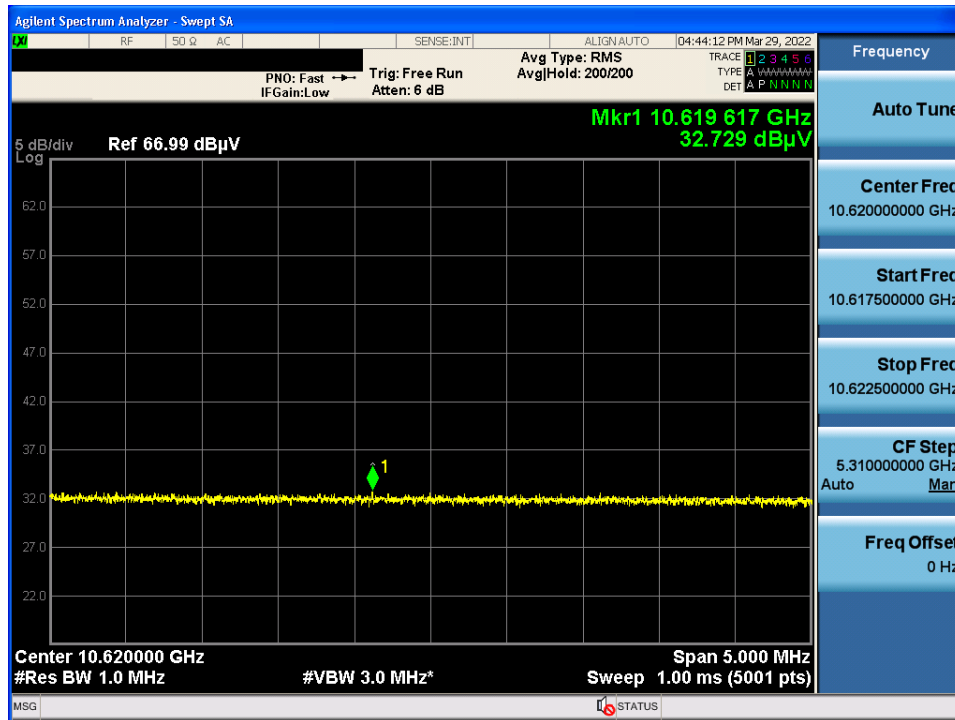
TM 1 & U-NII 2A & 5 310 & Y axis & Ver

Detector Mode : AV



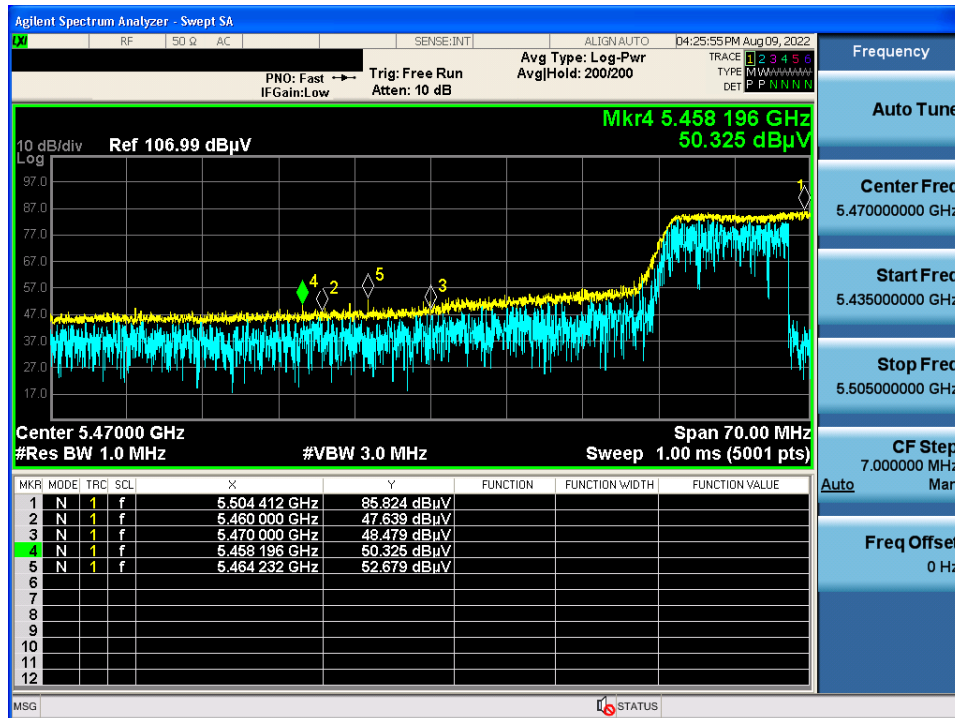
TM 1 & U-NII 2A & 5310 & Y axis & Ver

Detector Mode : AV



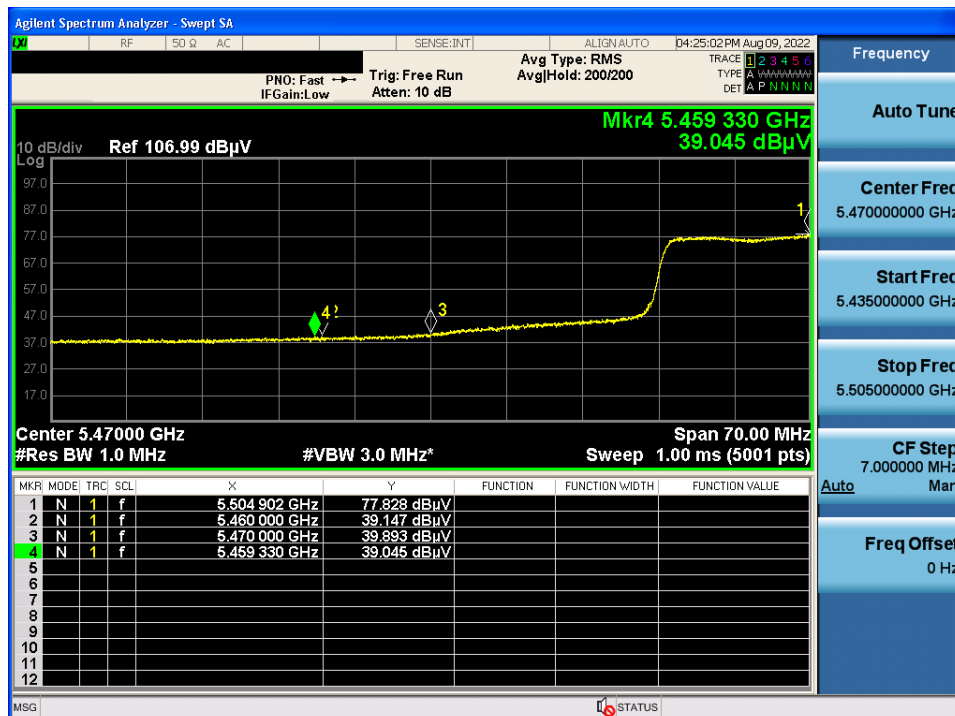
TM 3 & U-NII 2C & 5 510 & Y axis & Ver

Detector Mode : PK



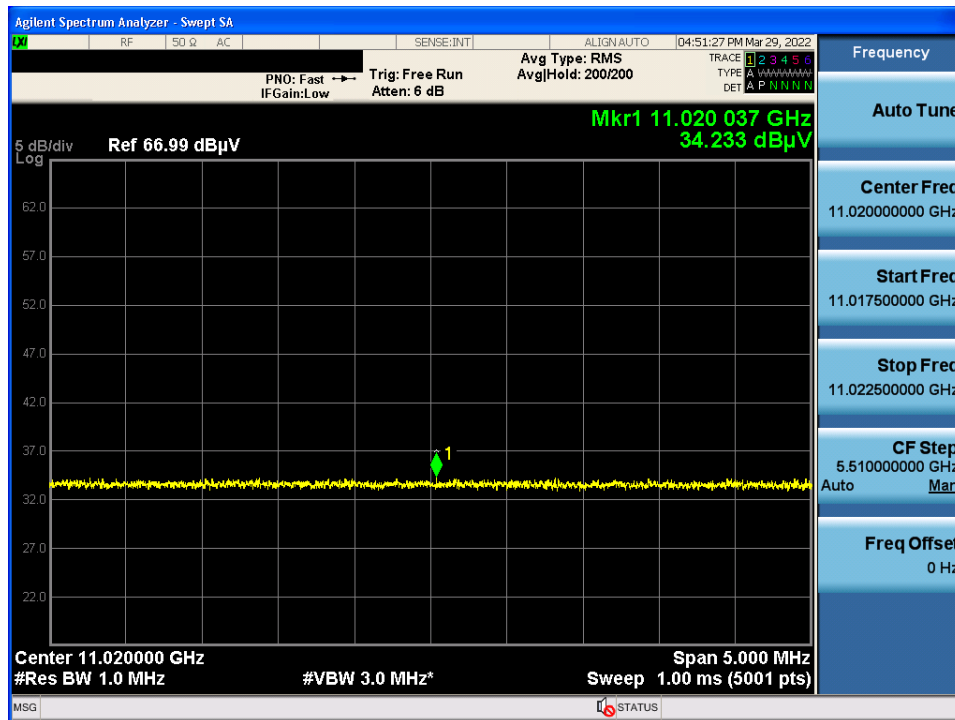
TM 3 & U-NII 2C & 5 510 & Y axis & Ver

Detector Mode : AV



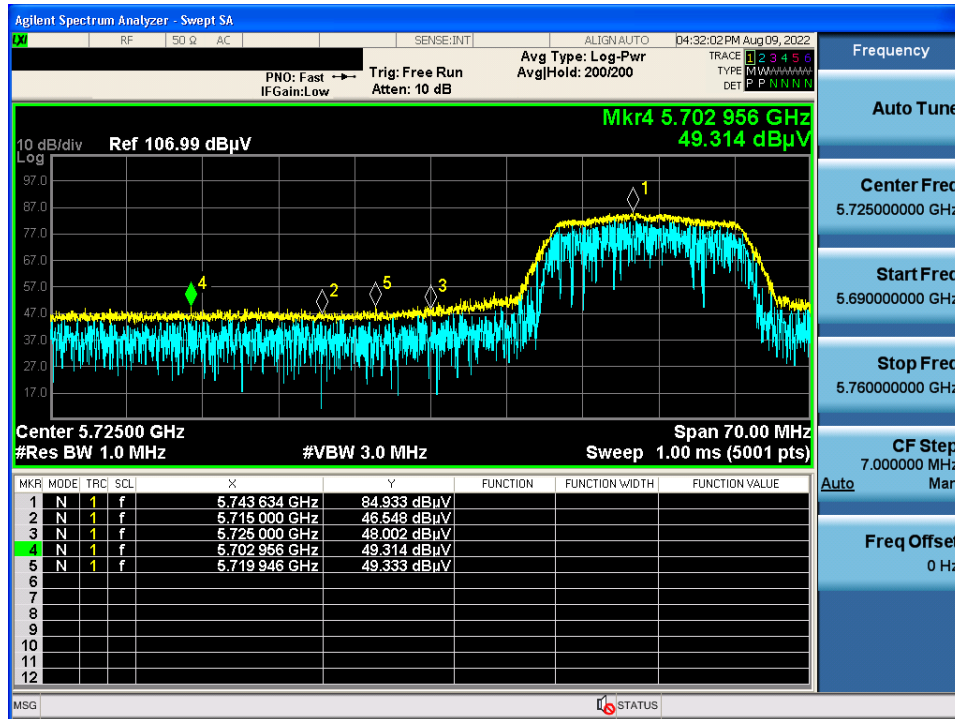
TM 3 & U-NII 2C & 5 510 & Y axis & Ver

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

