

AC Power-Line Conducted Emissions (Data List)

Test Mode: U-NII 1 & TM 1 & 5 180 MHz

Results of Conducted Emission

DTNC

Date 2021-10-08

Order No.
Model No. PM75
Serial No.
Test Condition 5G_a_5180

Reference No.
Power Supply
Temp/Humi. 23 °C / 47 %
Operator S.M.Gil

Memo

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

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	0.40743	25.20	18.22	9.91	35.11	28.13	57.70	47.70	22.59	19.57	N
2	0.77280	24.87	13.37	9.92	34.79	23.29	56.00	46.00	21.21	22.71	N
3	1.43532	25.77	13.04	10.05	35.82	23.09	56.00	46.00	20.18	22.91	N
4	18.72989	13.02	6.21	10.44	23.46	16.65	60.00	50.00	36.54	33.35	N
5	0.40645	26.01	16.37	9.91	35.92	26.28	57.72	47.72	21.80	21.44	L
6	0.80478	23.14	13.21	9.92	33.06	23.13	56.00	46.00	22.94	22.87	L
7	1.62605	25.98	13.13	10.06	36.04	23.19	56.00	46.00	19.96	22.81	L
8	18.74009	17.98	6.60	10.44	28.42	17.04	60.00	50.00	31.58	32.96	L

AC Power-Line Conducted Emissions (Graph)

Test Mode: U-NII 2A & TM 1 & 5 320 MHz

Results of Conducted Emission

DTNC

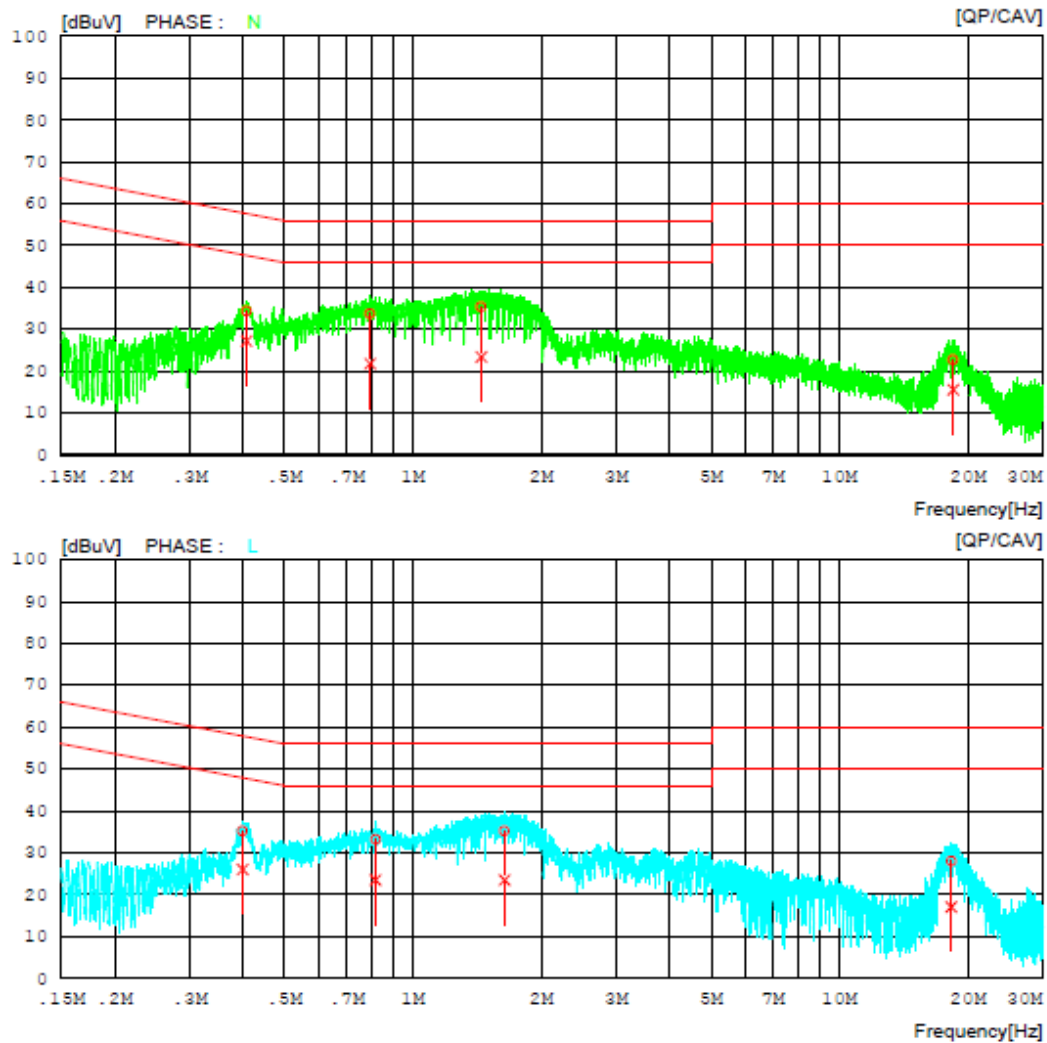
Date 2021-10-08

Order No.
Model No. PM75
Serial No.
Test Condition 5G_a_5320

Reference No.
Power Supply
Temp/Humi. 23 °C / 47 %
Operator S.M.Gil

Memo

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



AC Power-Line Conducted Emissions (Data List)

Test Mode: U-NII 2A & TM 1 & 5 320 MHz

Results of Conducted Emission

DTNC

Date 2021-10-08

Order No.		Reference No.	
Model No.	PM75	Power Supply	
Serial No.		Temp/Humi.	23 'C / 47 %
Test Condition	5G_a_5320	Operator	S.M.Gil

Memo

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

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	0.40750	24.45	17.36	9.91	34.36	27.27	57.70	47.70	23.34	20.43	N
2	0.79347	23.75	11.89	9.92	33.67	21.81	56.00	46.00	22.33	24.19	N
3	1.44478	25.27	13.41	10.05	35.32	23.46	56.00	46.00	20.68	22.54	N
4	18.47149	12.24	5.21	10.43	22.67	15.64	60.00	50.00	37.33	34.36	N
5	0.39842	25.26	16.06	9.91	35.17	25.97	57.89	47.89	22.72	21.92	L
6	0.81723	23.20	13.61	9.92	33.12	23.53	56.00	46.00	22.88	22.47	L
7	1.63919	25.17	13.39	10.06	35.23	23.45	56.00	46.00	20.77	22.55	L
8	18.28195	17.57	6.62	10.43	28.00	17.05	60.00	50.00	32.00	32.95	L

AC Power-Line Conducted Emissions (Graph)

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

Results of Conducted Emission

DTNC

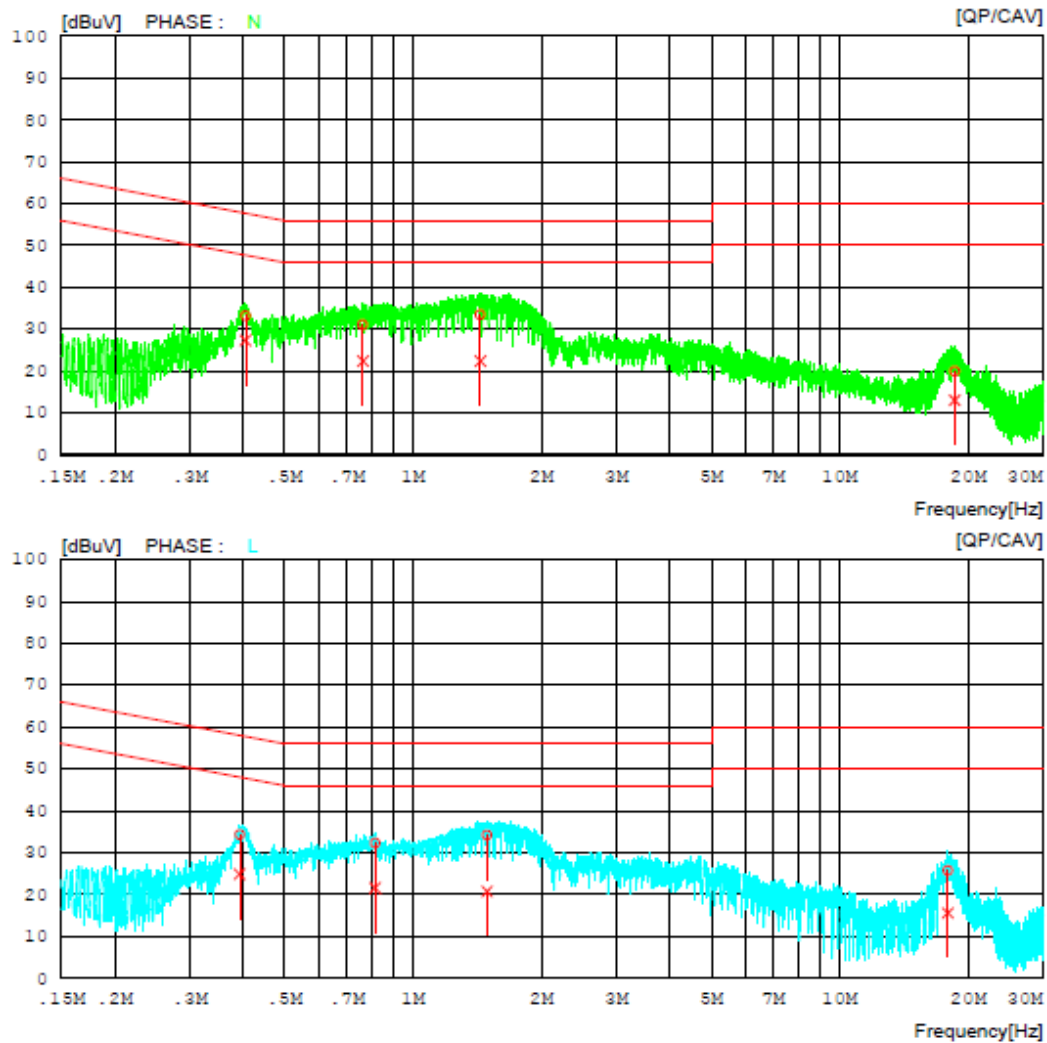
Date 2021-10-08

Order No.
Model No. PM75
Serial No.
Test Condition 5G_a_5500

Reference No.
Power Supply
Temp/Humi. 23 °C / 47 %
Operator S.M.Gil

Memo

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



AC Power-Line Conducted Emissions (Data List)

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

Results of Conducted Emission

DTNC

Date 2021-10-08

Order No.
Model No. PM75
Serial No.
Test Condition 5G_a_5500

Reference No.
Power Supply
Temp/Humi. 23 'C / 47 %
Operator S.M.Gil

Memo

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

NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP	CAV		QP	CAV	QP	CAV	QP	CAV	
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.40494	23.35	17.43	9.91	33.26	27.34	57.75	47.75	24.49	20.41	N
2	0.76286	21.19	12.52	9.92	31.11	22.44	56.00	46.00	24.89	23.56	N
3	1.43741	23.49	12.34	10.05	33.54	22.39	56.00	46.00	22.46	23.61	N
4	18.59204	9.53	2.59	10.44	19.97	13.03	60.00	50.00	40.03	36.97	N
5	0.39271	24.39	14.93	9.91	34.30	24.84	58.01	48.01	23.71	23.17	L
6	0.81487	22.34	11.67	9.92	32.26	21.59	56.00	46.00	23.74	24.41	L
7	1.49024	24.09	10.72	10.05	34.14	20.77	56.00	46.00	21.86	25.23	L
8	17.93112	15.28	5.18	10.43	25.71	15.61	60.00	50.00	34.29	34.39	L

AC Power-Line Conducted Emissions (Graph)

Test Mode: U-NII 3 & TM 1 & 5 745 MHz

Results of Conducted Emission

DTNC

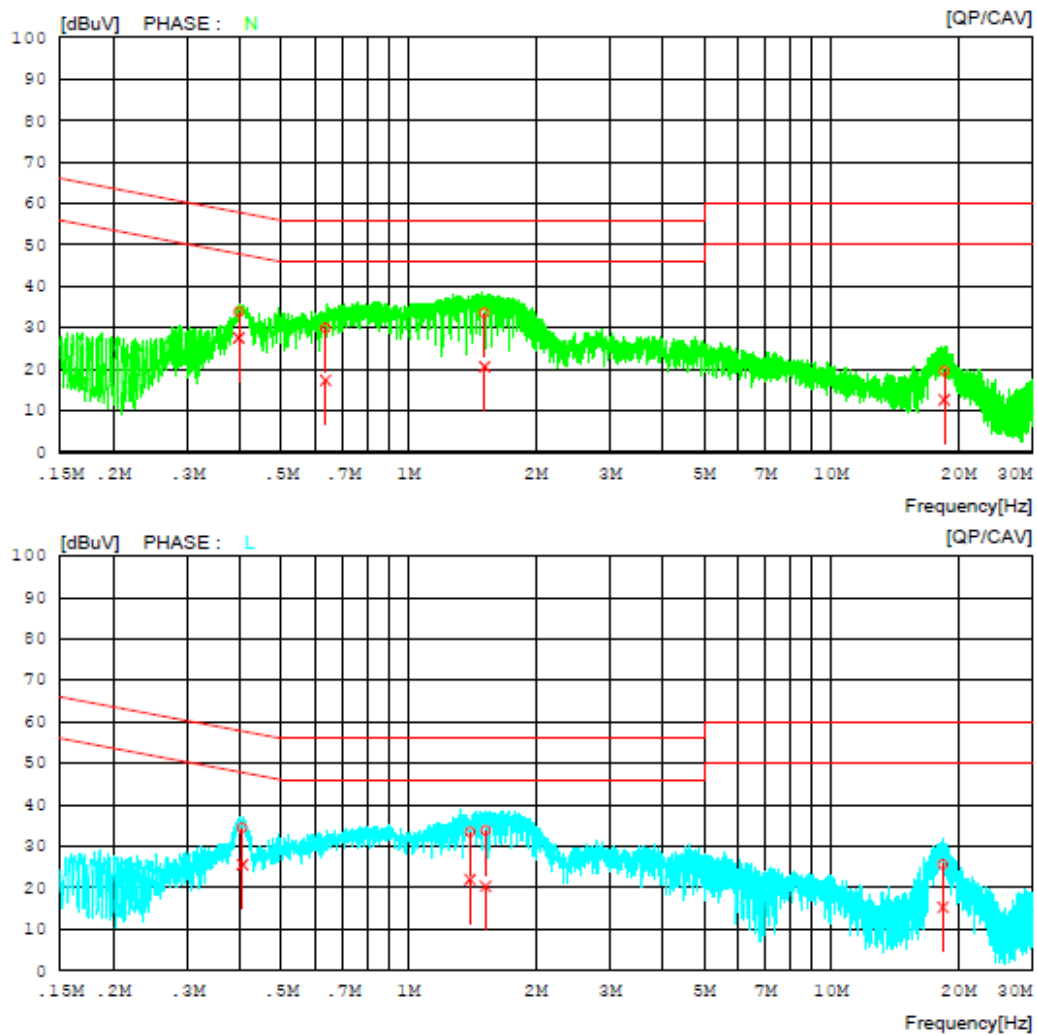
Date 2021-10-08

Order No.
Model No. PM75
Serial No.
Test Condition 5G_a_5745

Reference No.
Power Supply
Temp/Humi. 23 °C / 47 %
Operator S.M.Gil

Memo

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



AC Power-Line Conducted Emissions (Data List)

Test Mode: U-NII 3 & TM 1 & 5 745 MHz

Results of Conducted Emission

DTNC Date 2021-10-08

Order No.		Reference No.	
Model No.	PM75	Power Supply	
Serial No.		Temp/Humi.	23 'C / 47 %
Test Condition	5G_a_5745	Operator	S.M.Gil

Memo

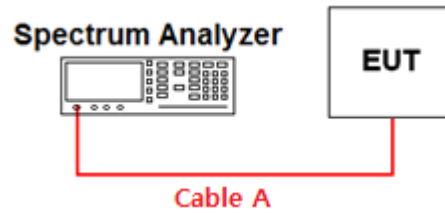
LIMIT : FCC P15.207 QP
FCC P15.207 AV

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	0.39712	23.91	17.67	9.91	33.82	27.58	57.91	47.91	24.09	20.33	N
2	0.63662	20.03	7.45	9.91	29.94	17.36	56.00	46.00	26.06	28.64	N
3	1.51324	23.49	10.57	10.06	33.55	20.63	56.00	46.00	22.45	25.37	N
4	18.56449	9.08	2.27	10.44	19.52	12.71	60.00	50.00	40.48	37.29	N
5	0.40445	24.53	15.56	9.91	34.44	25.47	57.76	47.76	23.32	22.29	L
6	1.39928	23.36	11.95	10.05	33.41	22.00	56.00	46.00	22.59	24.00	L
7	1.52365	23.69	10.26	10.06	33.75	20.32	56.00	46.00	22.25	25.68	L
8	18.40133	15.19	4.88	10.43	25.62	15.31	60.00	50.00	34.38	34.69	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.)

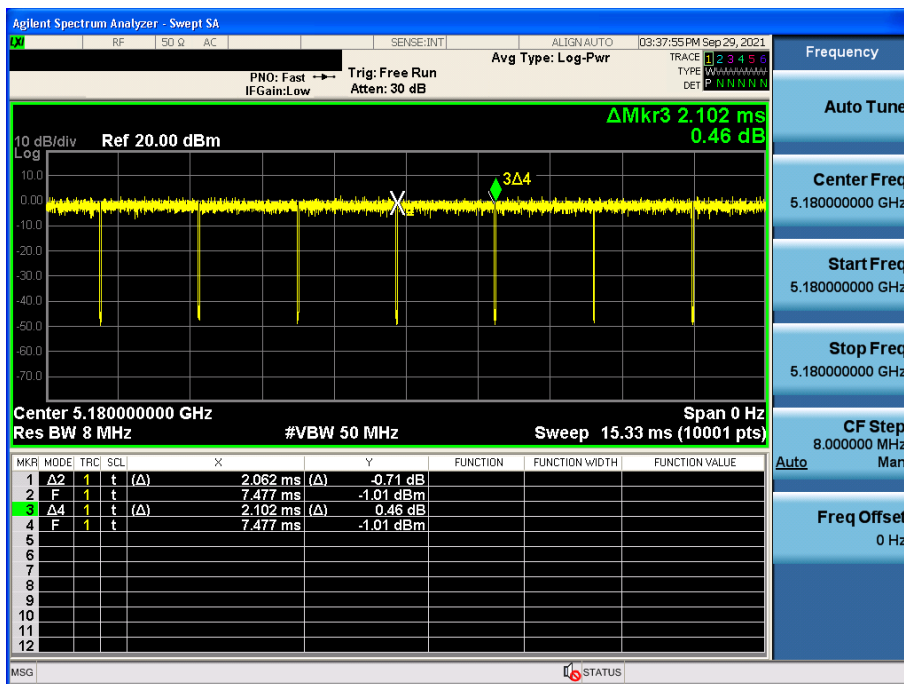
T : The minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

(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:

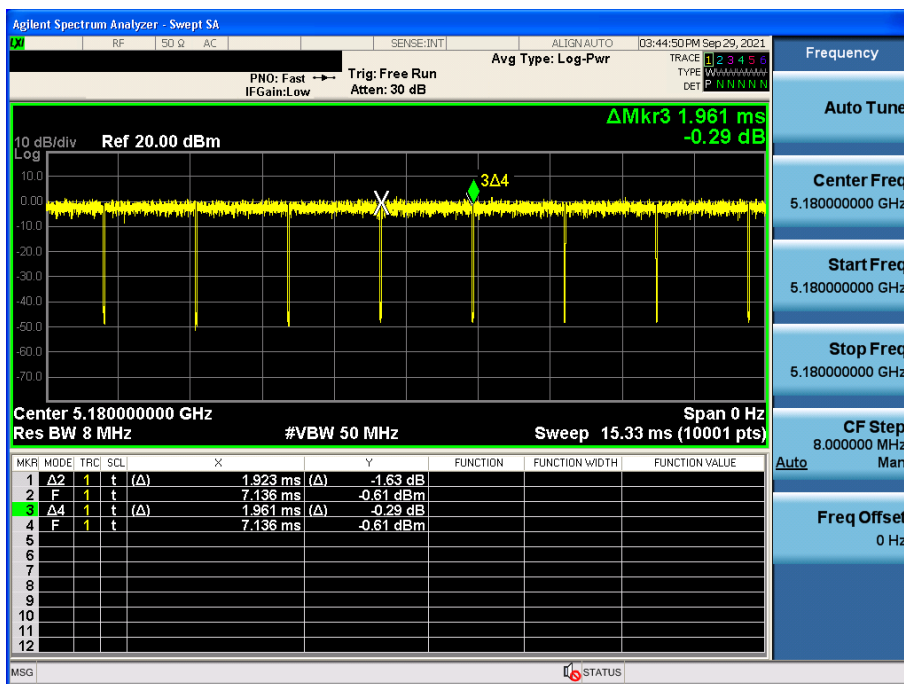
Duty Cycle

Test Mode: TM1 & Ch.36



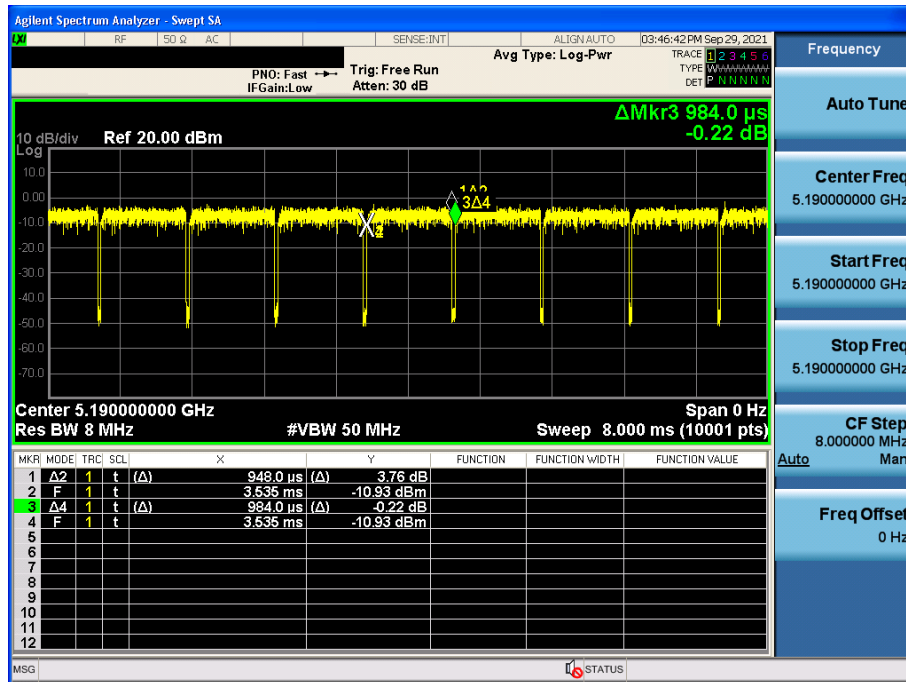
Duty Cycle

Test Mode: TM 2 & Ch.36



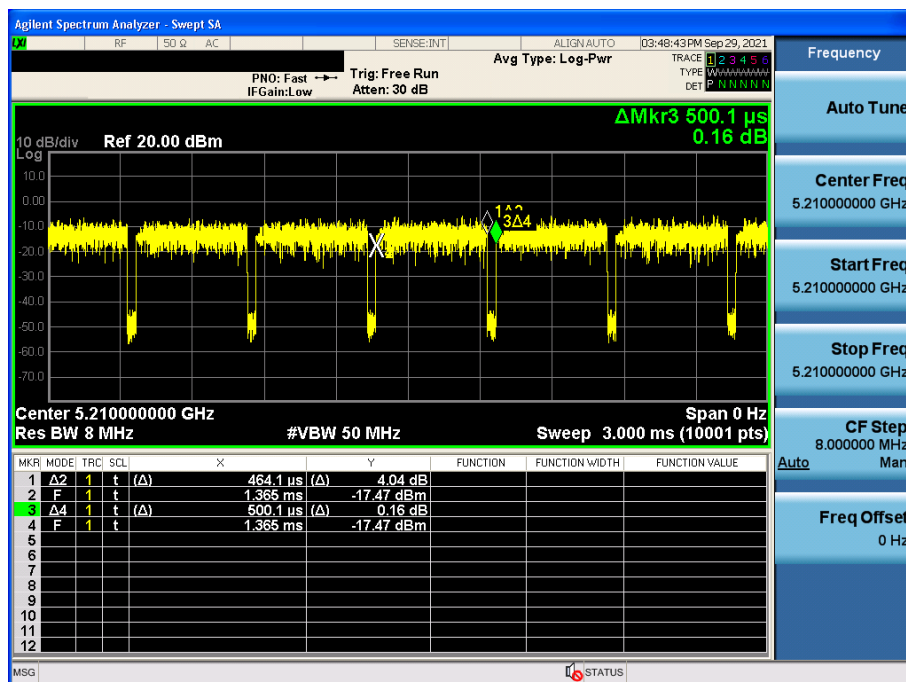
Duty Cycle

Test Mode: TM 3 & Ch.38



Duty Cycle

Test Mode: TM 4 & Ch.42

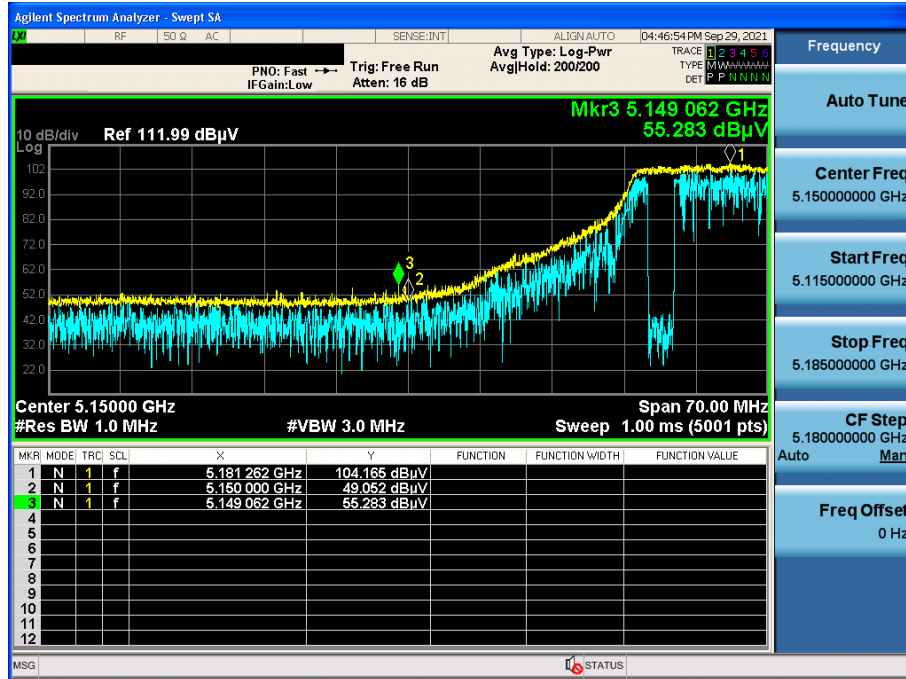


APPENDIX III

Unwanted Emissions (Radiated) Test Plot:

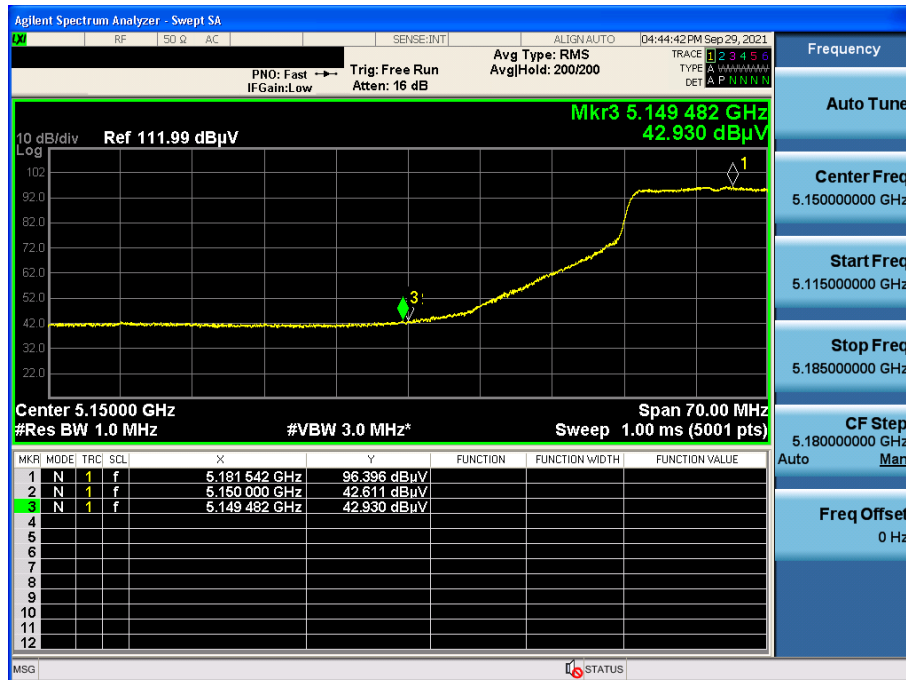
TM 1 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : PK



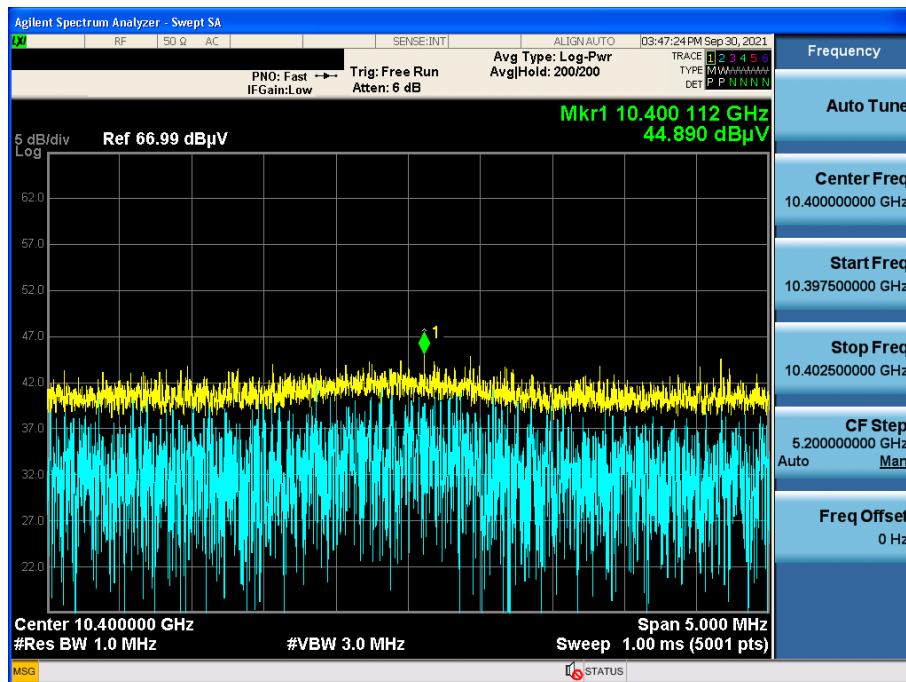
TM 1 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : AV



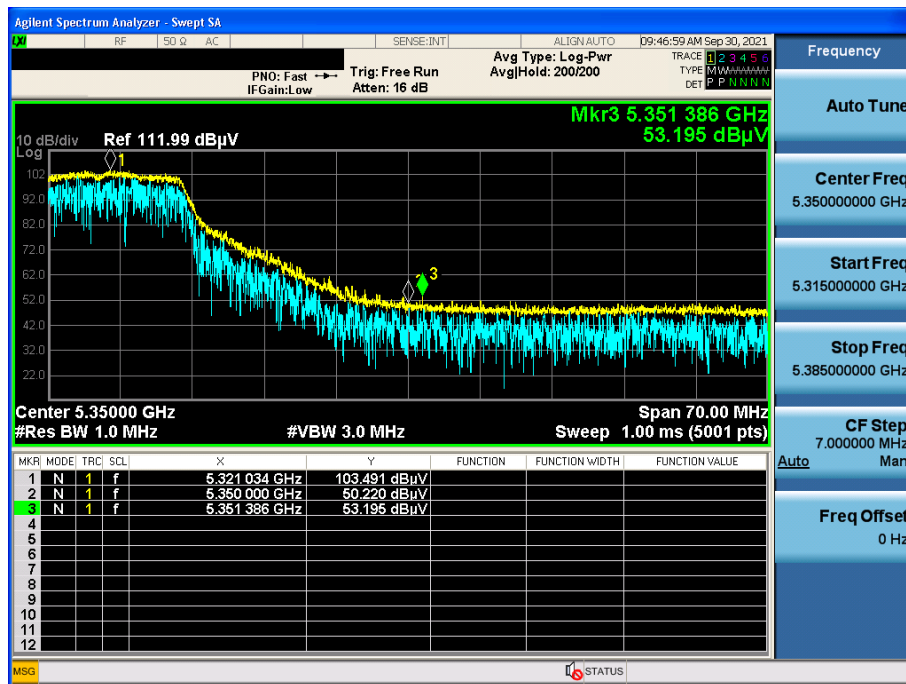
TM 1 & U-NII 1 & 5 200 & Z axis & Hor

Detector Mode : PK



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

Detector Mode : PK



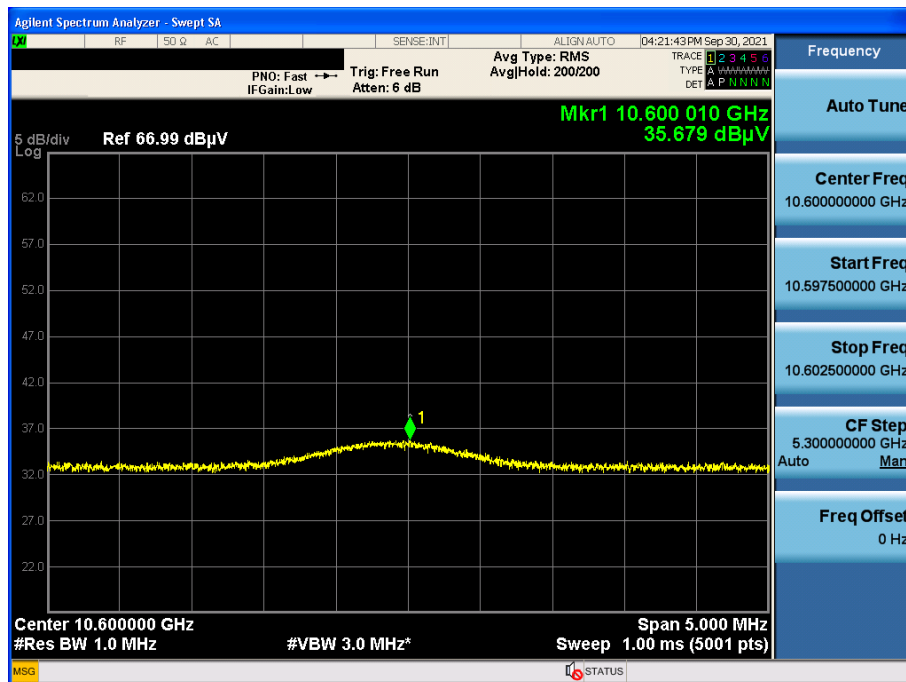
TM 1 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : AV



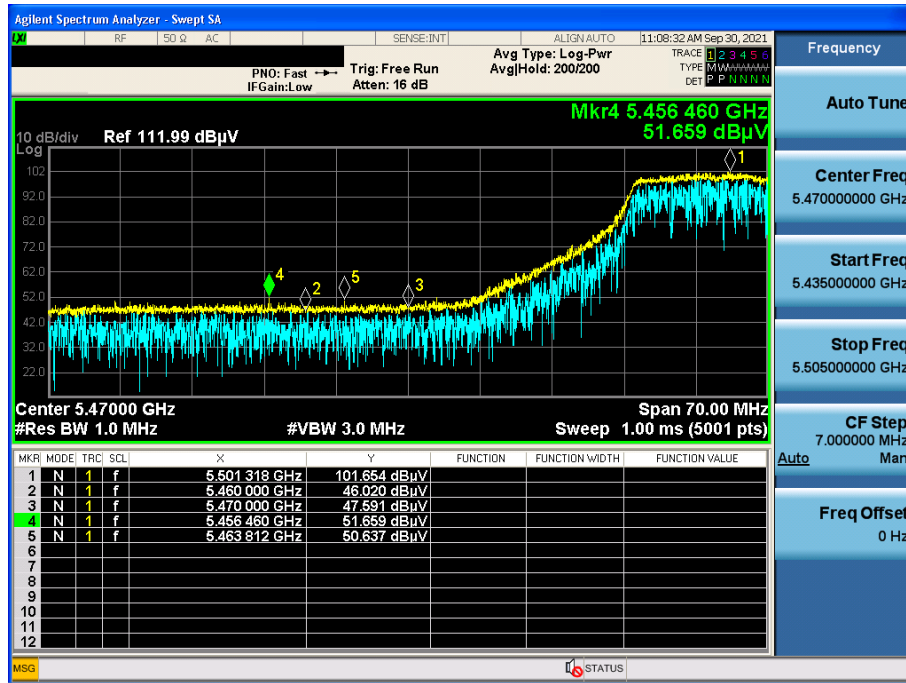
TM 1 & U-NII 2A & 5 300 & Z axis & Hor

Detector Mode : AV



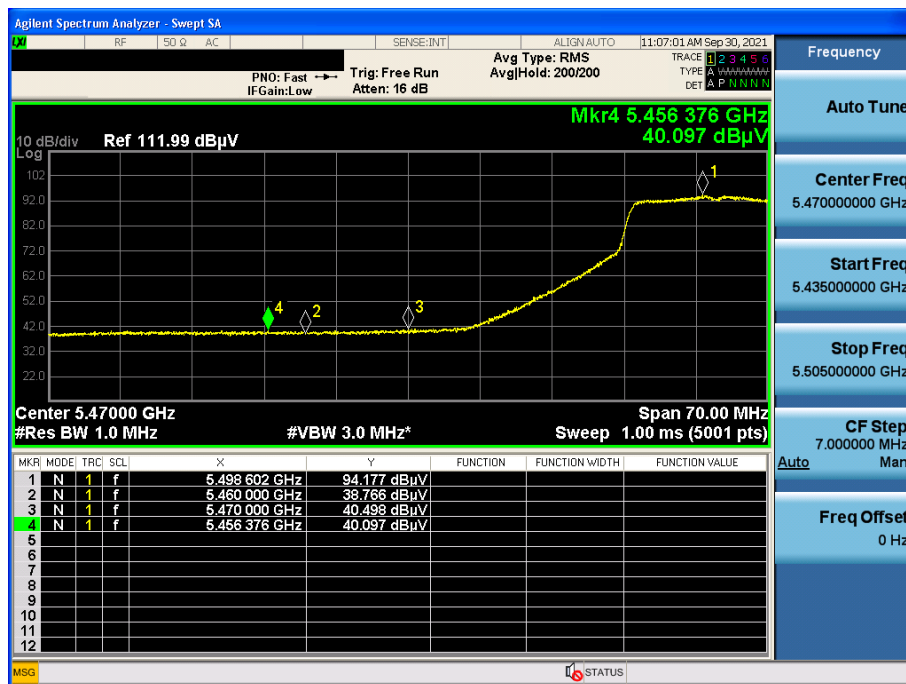
TM 1 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : PK



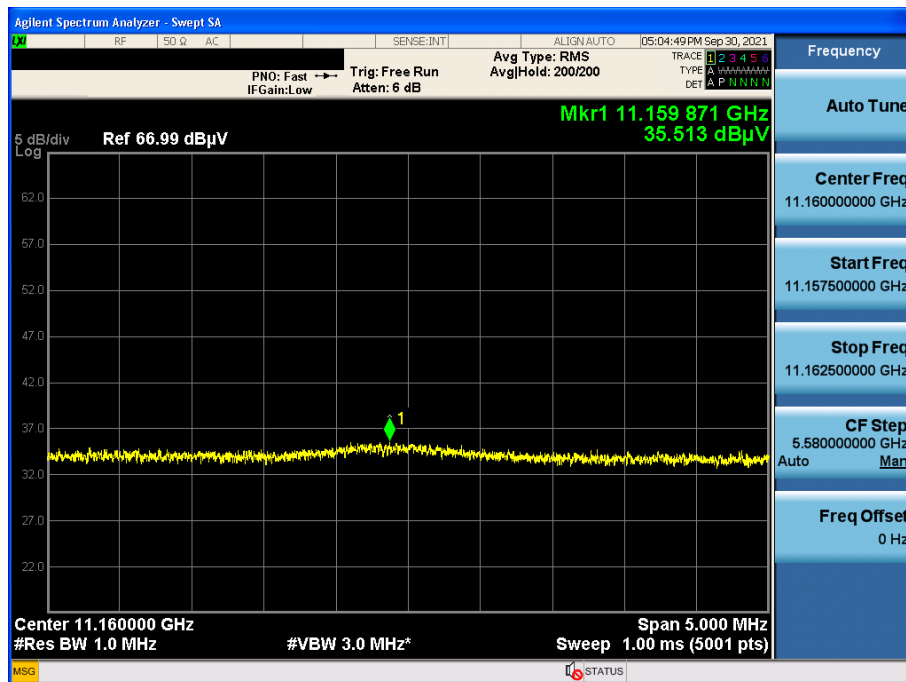
TM 1 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : AV



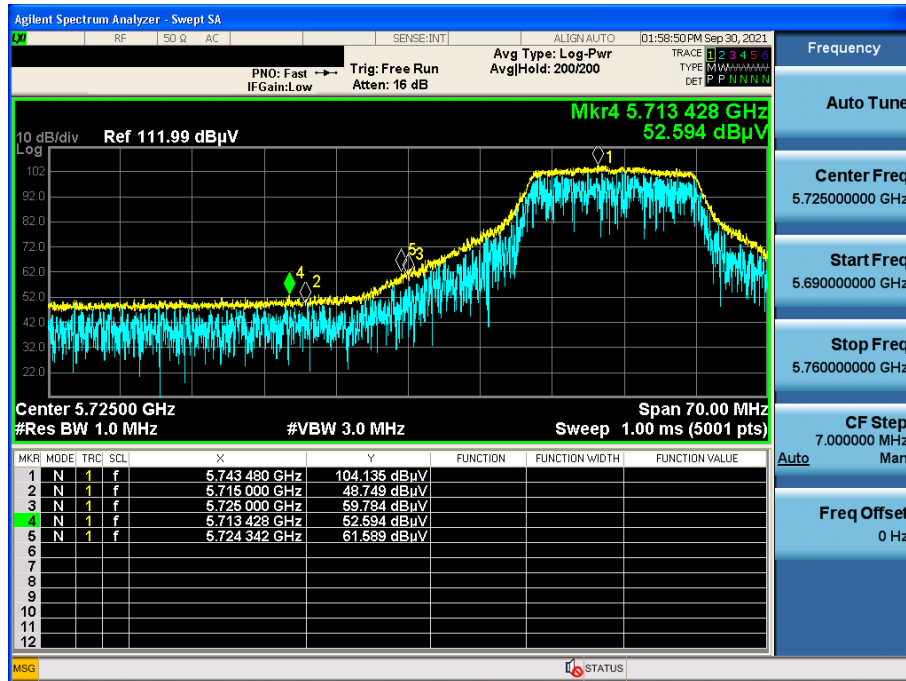
TM 1 & U-NII 2C & 5 580 & Z axis & Hor

Detector Mode : AV



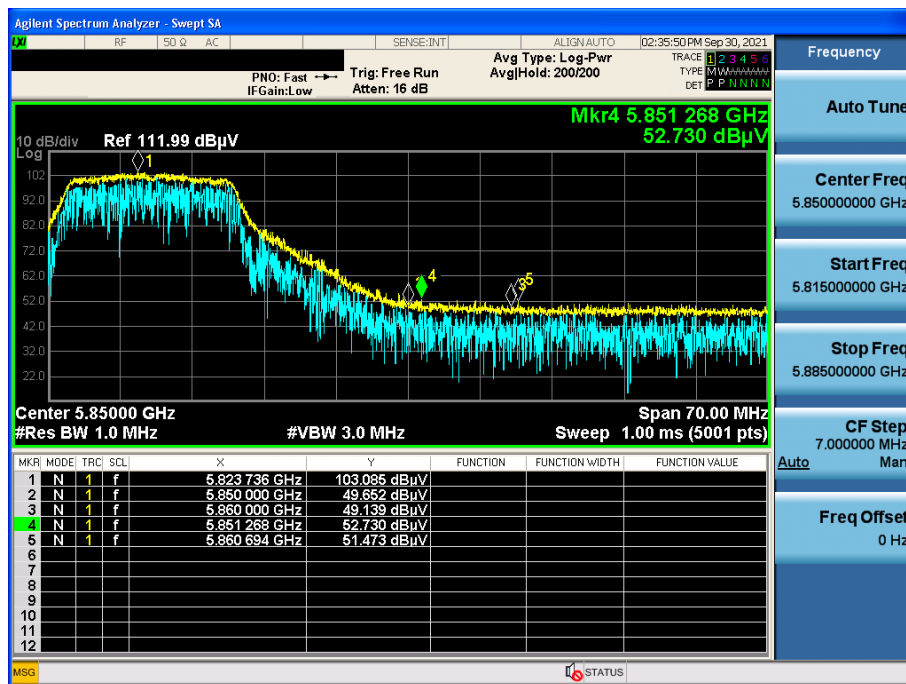
TM 1 & U-NII 3 & 5745 & Z axis & Hor

Detector Mode : PK



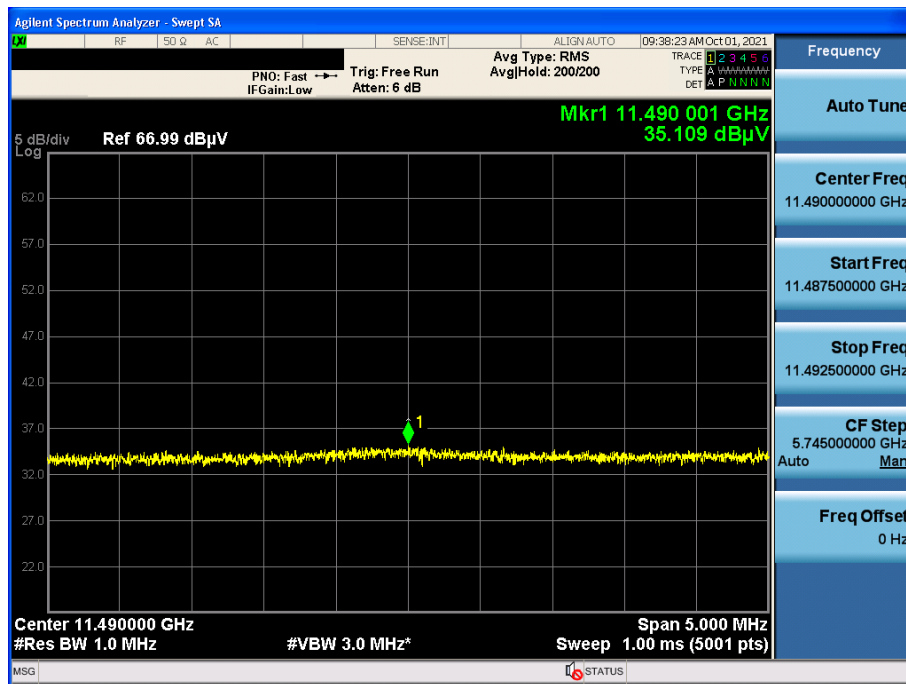
TM 1 & U-NII 3 & 5825 & Z axis & Hor

Detector Mode : PK



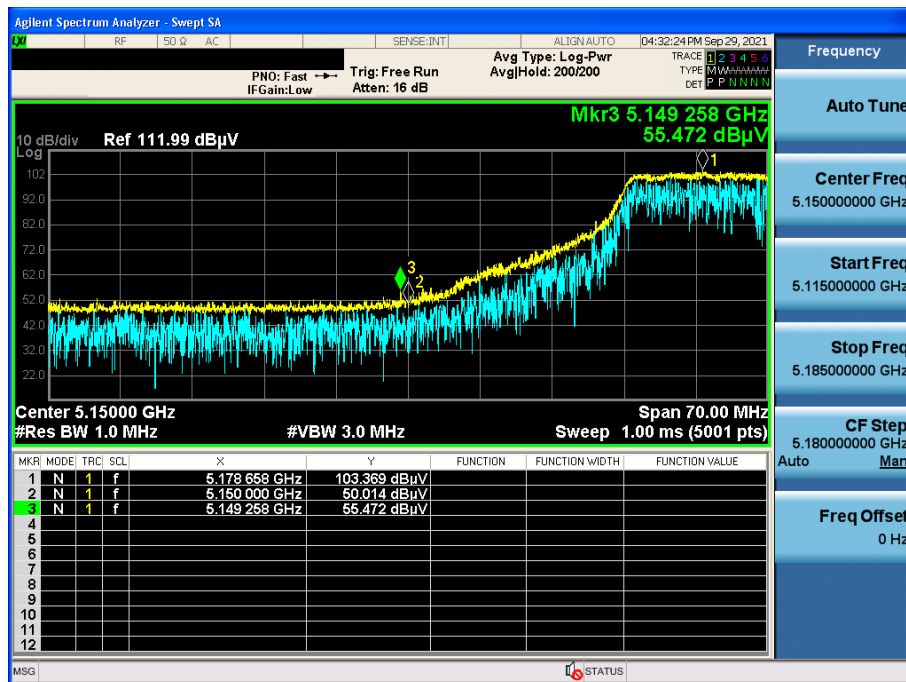
TM 1 & U-NII 3 & 5 745 & Z axis & Hor

Detector Mode : AV



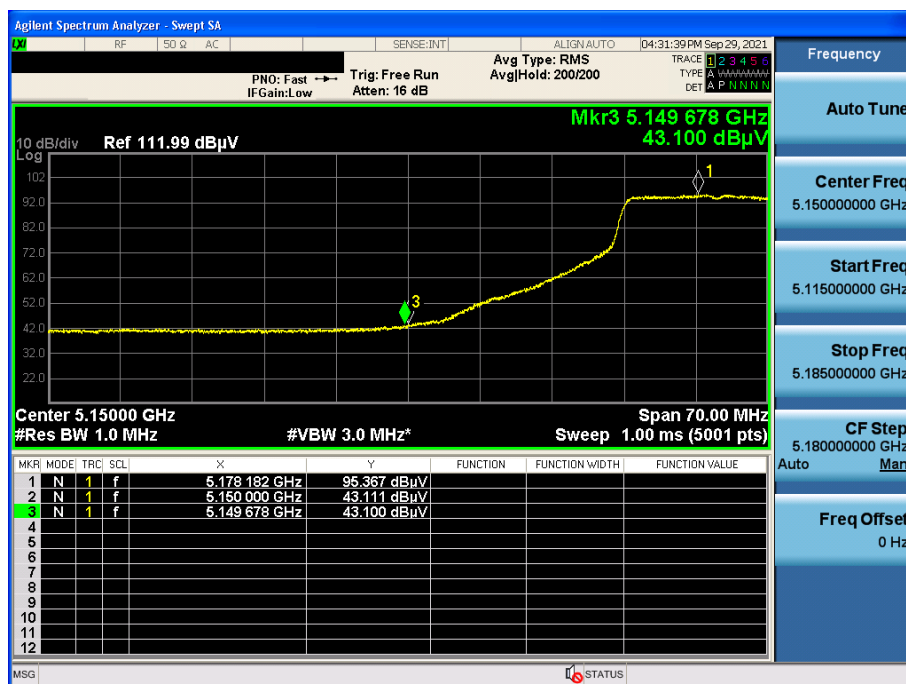
TM 2 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : PK



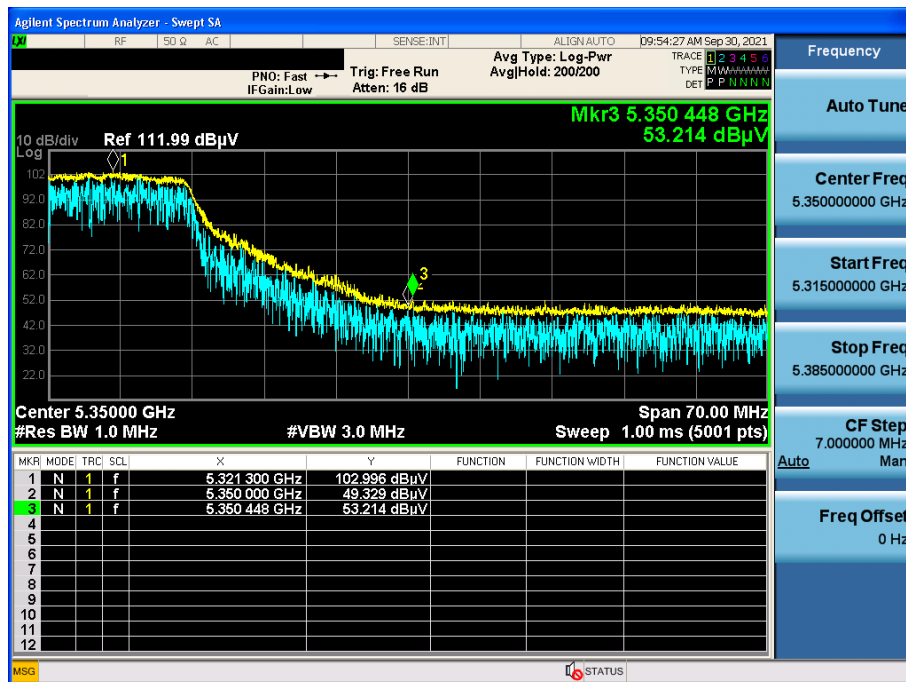
TM 2 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : AV



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

Detector Mode : PK



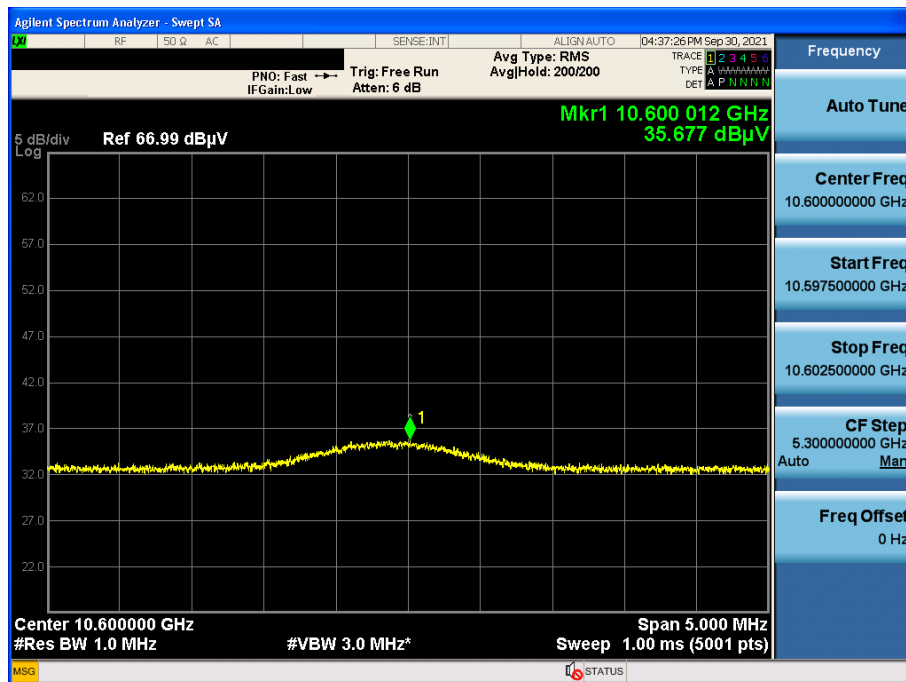
TM 2 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : AV

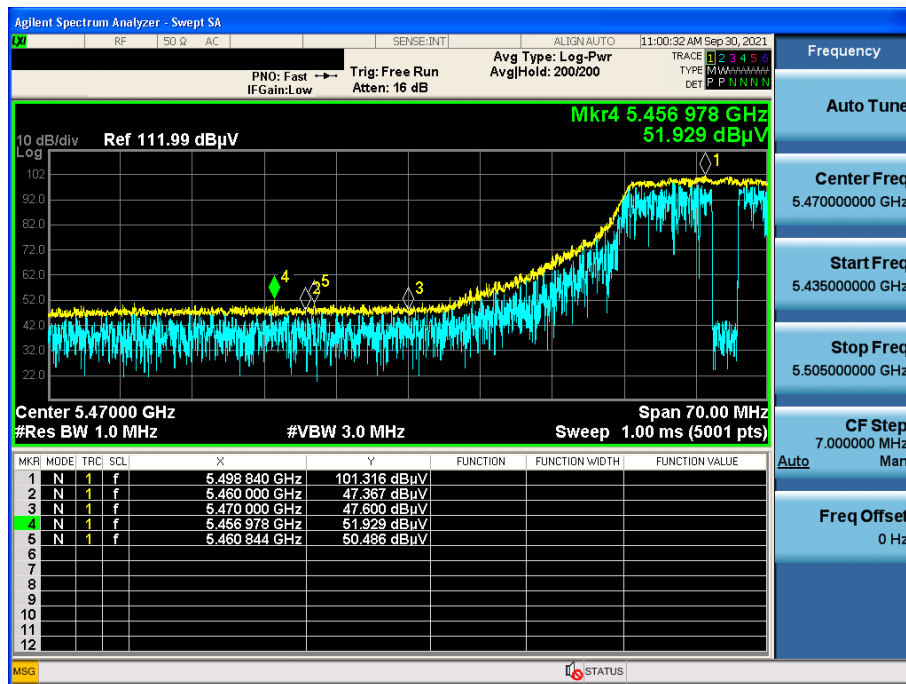


TM 2 & U-NII 2A & 5 300 & Z axis & Hor

Detector Mode : AV



Detector Mode : PK

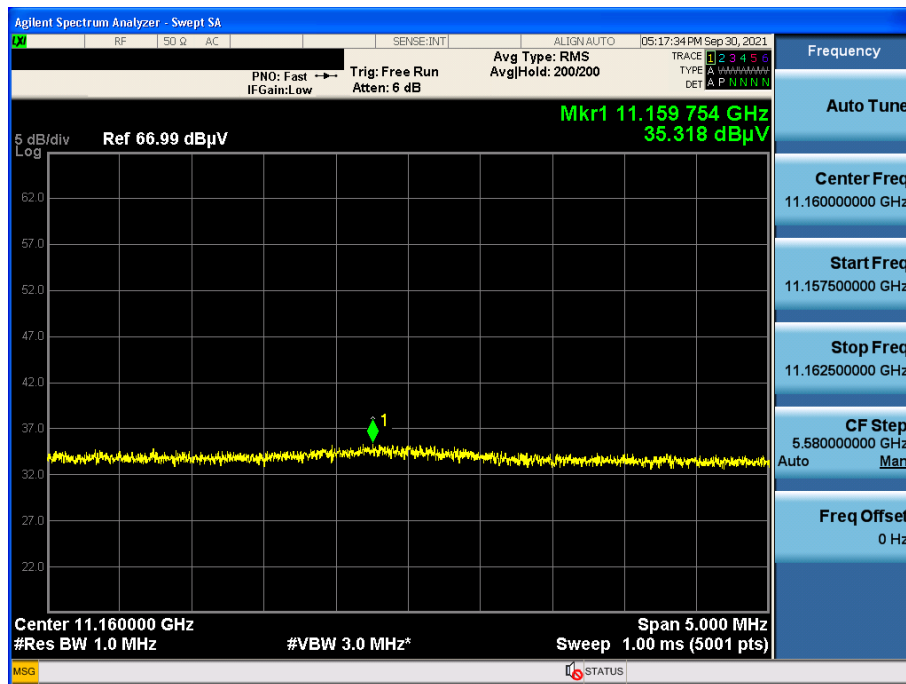


Detector Mode : AV



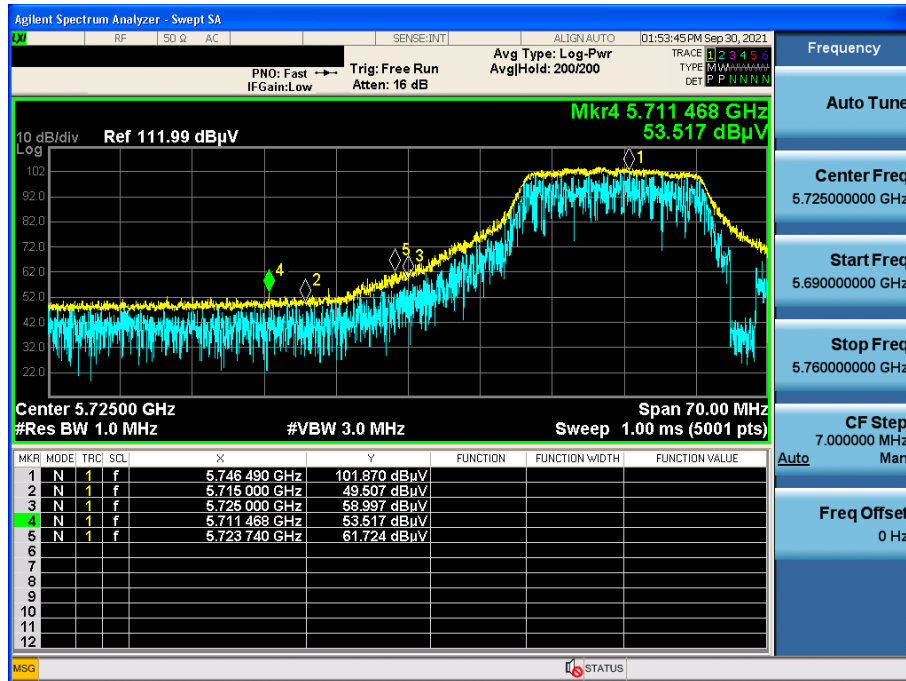
TM 2 & U-NII 2C & 5 580 & Z axis & Hor

Detector Mode : AV



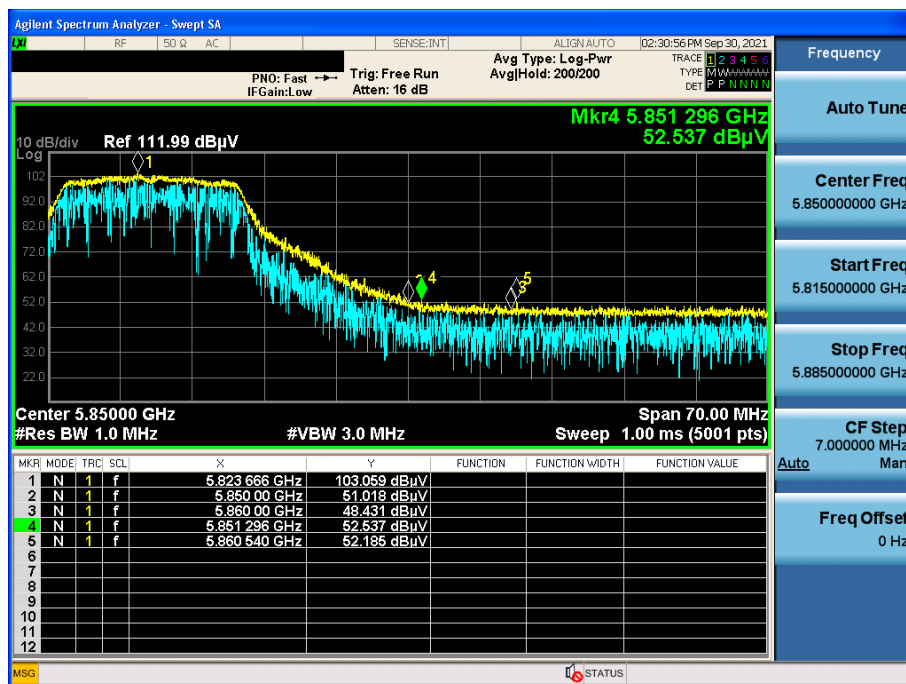
TM 2 & U-NII 3 & 5 745 & Z axis & Hor

Detector Mode : PK



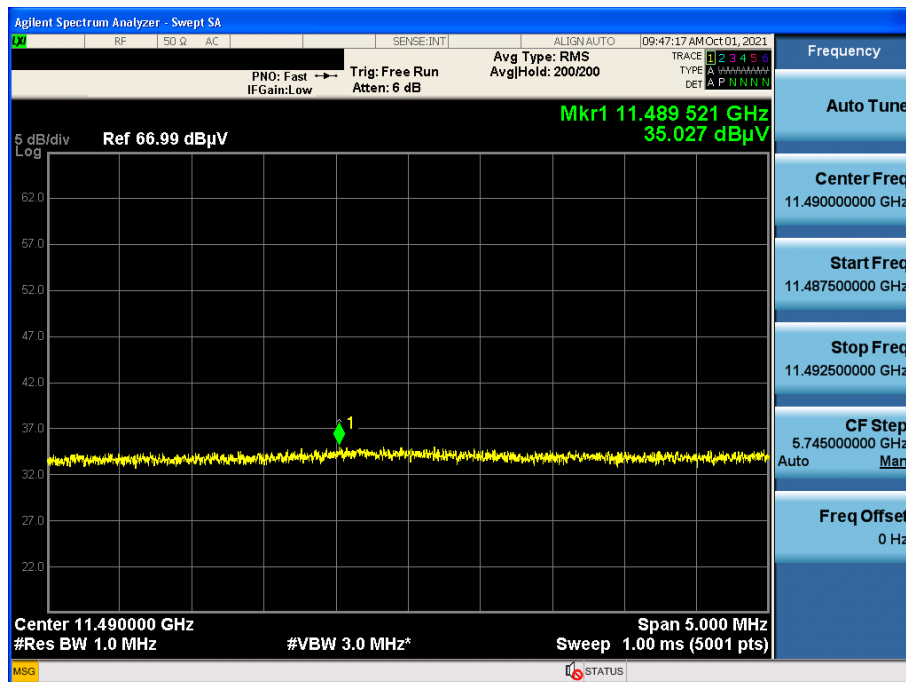
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Detector Mode : PK



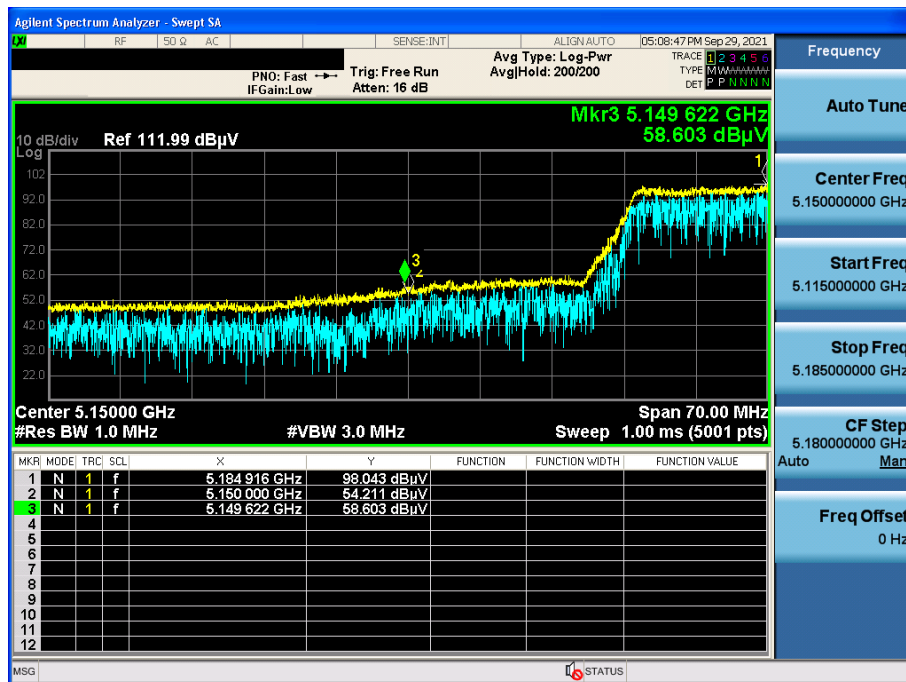
TM 2 & U-NII 3 & 5 745 & Z axis & Hor

Detector Mode : AV



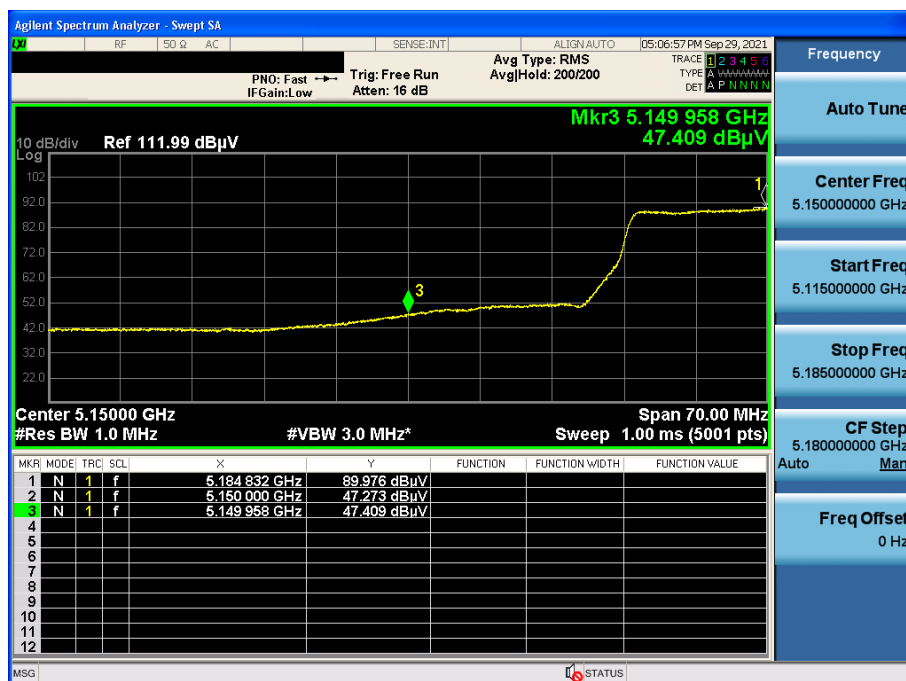
TM 3 & U-NII 1 & 5 190 & Z axis & Hor

Detector Mode : PK



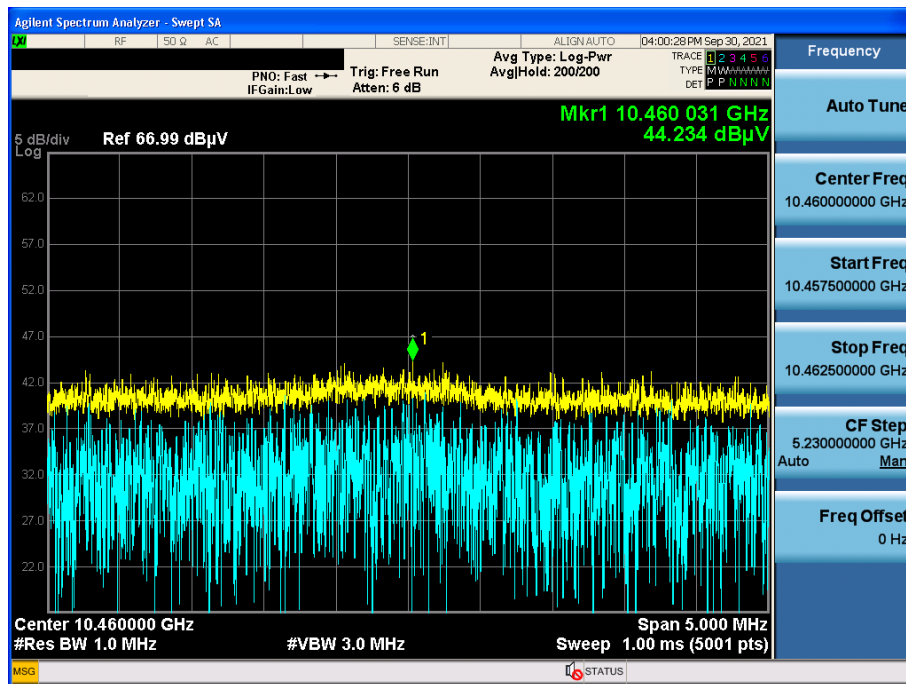
TM 3 & U-NII 1 & 5 190 & Z axis & Hor

Detector Mode : AV



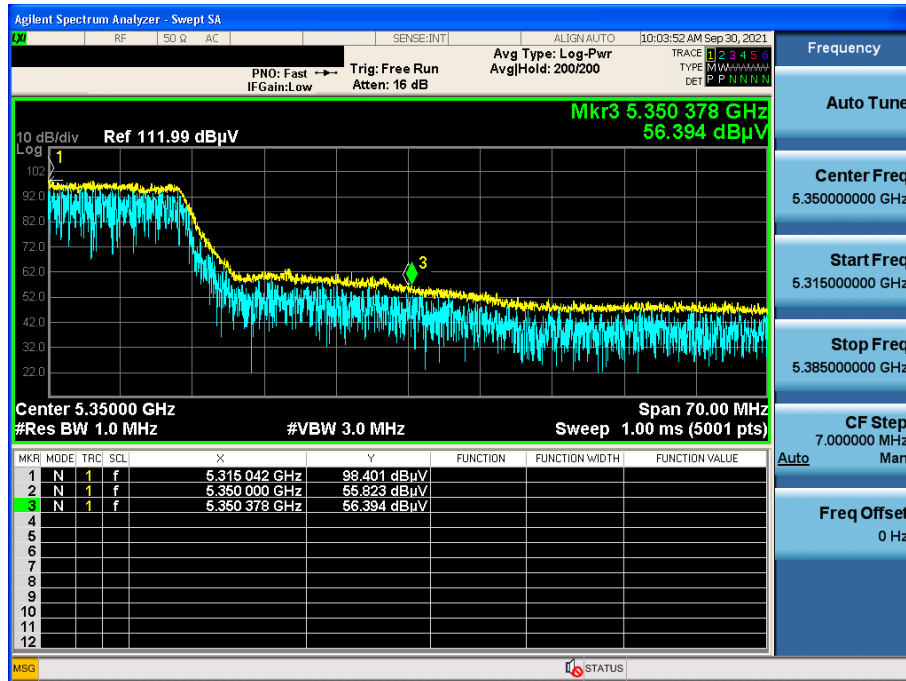
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Detector Mode : PK



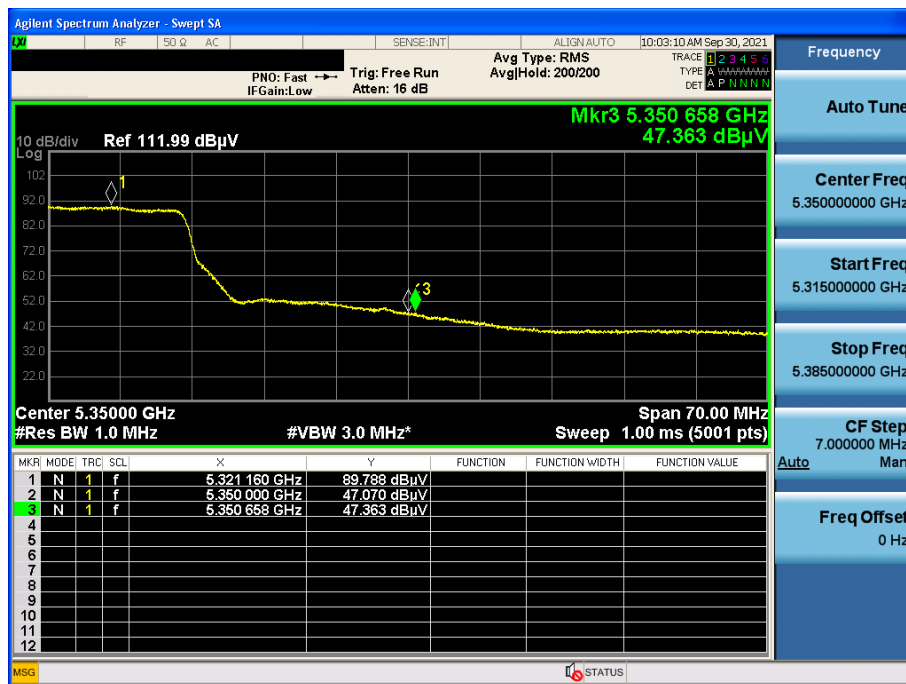
TM 3 & U-NII 2A & 5 310 & Z axis & Hor

Detector Mode : PK



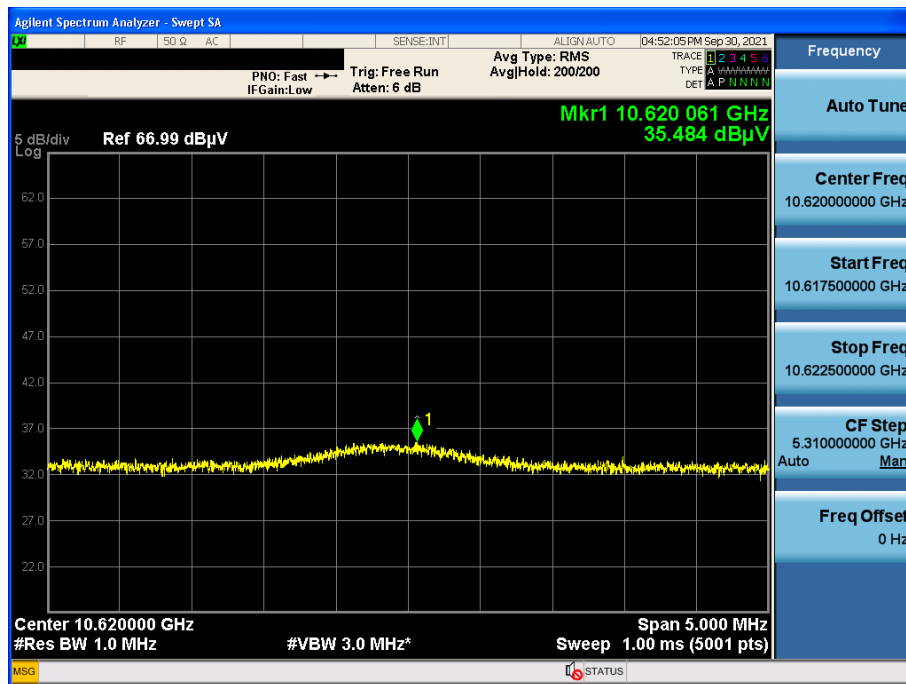
TM 3 & U-NII 2A & 5 310 & Z axis & Hor

Detector Mode : AV

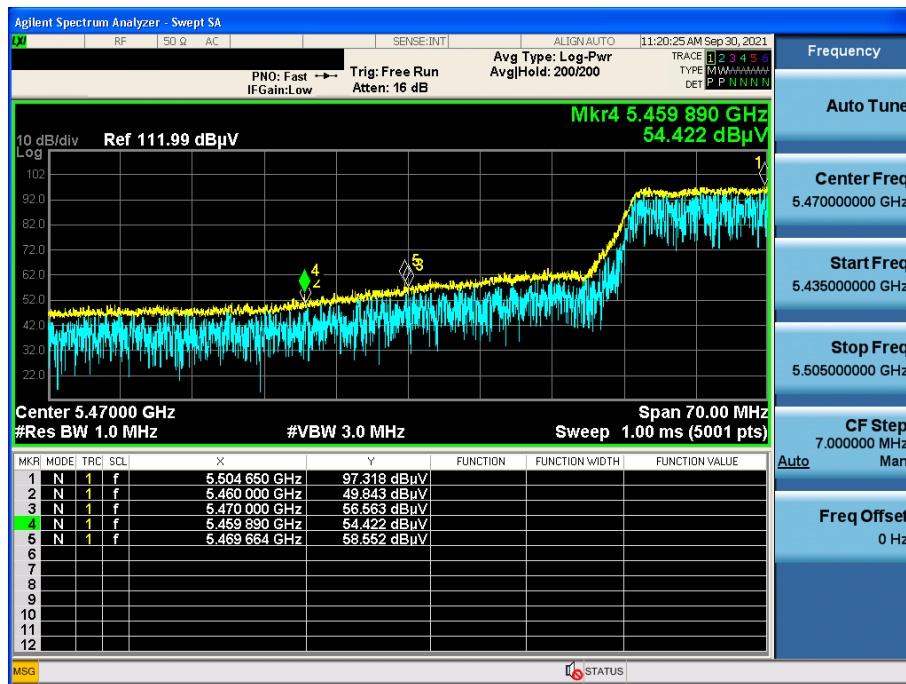


TM 3 & U-NII 2A & 5 310 & Z axis & Hor

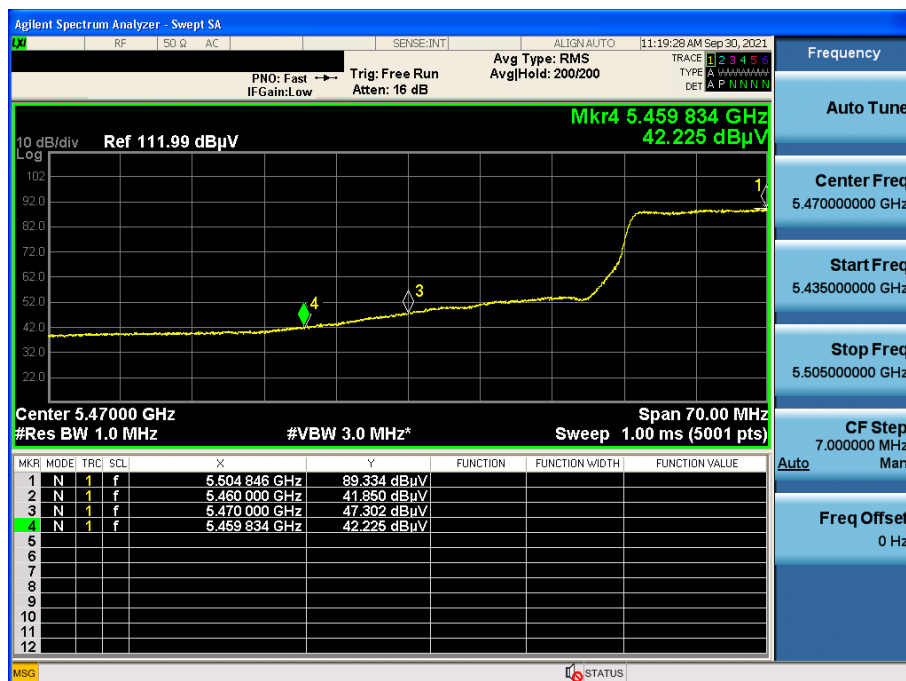
Detector Mode : AV



Detector Mode : PK

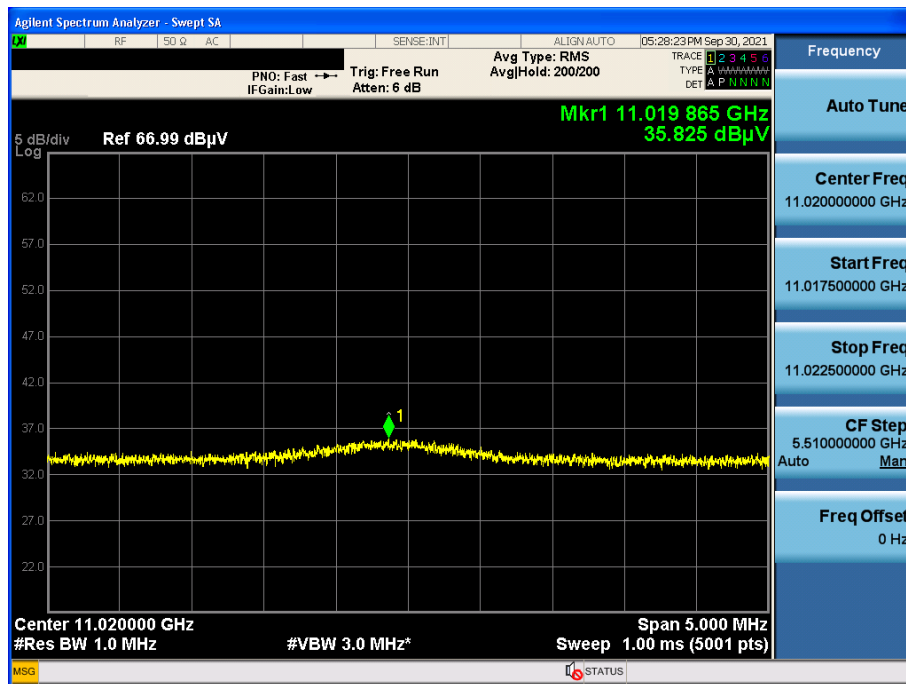


Detector Mode : AV



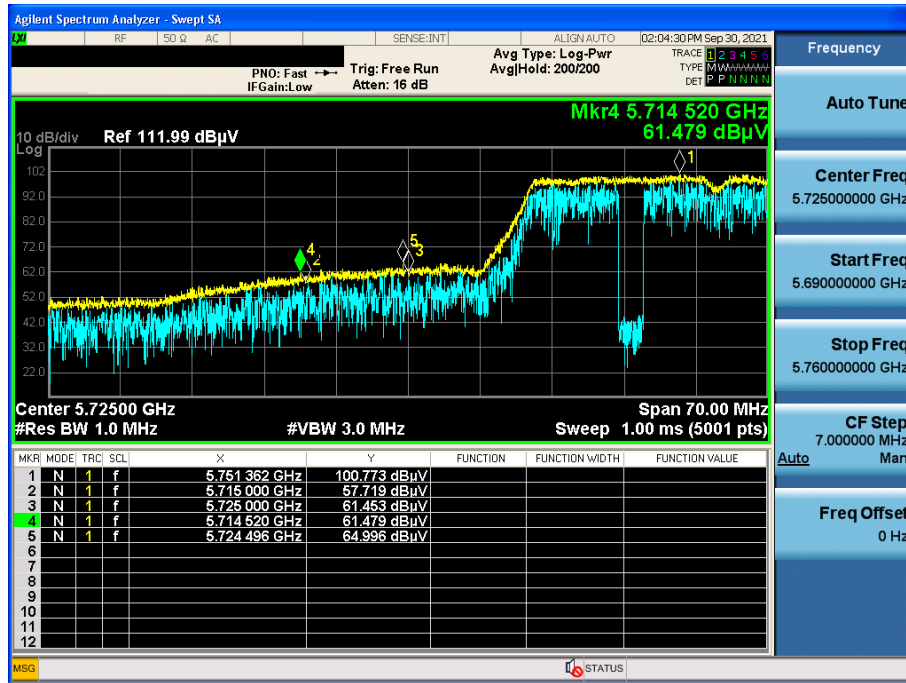
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Detector Mode : AV



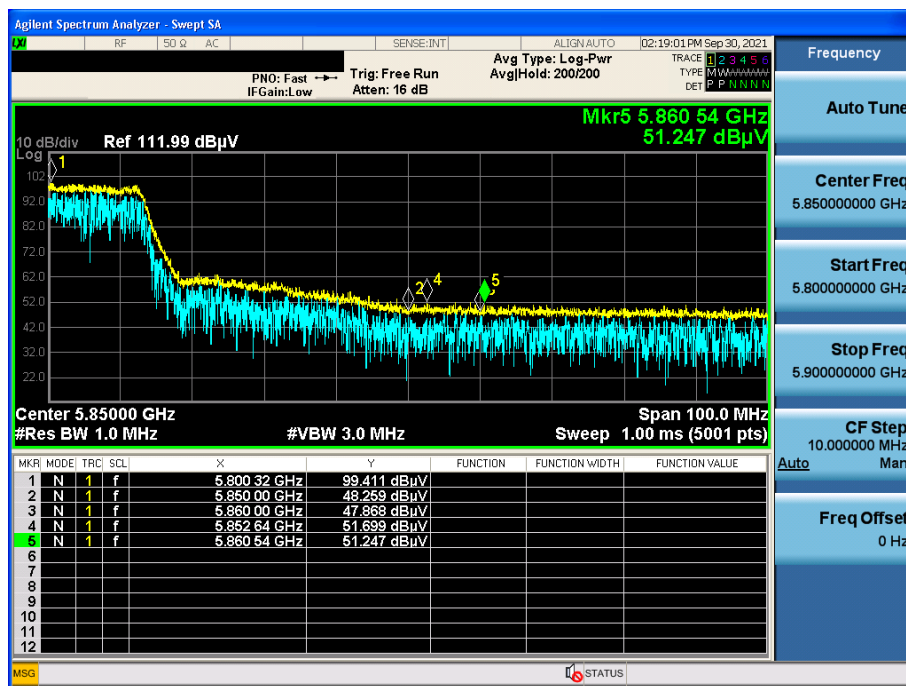
TM 3 & U-NII 3 & 5 755 & Z axis & Hor

Detector Mode : PK



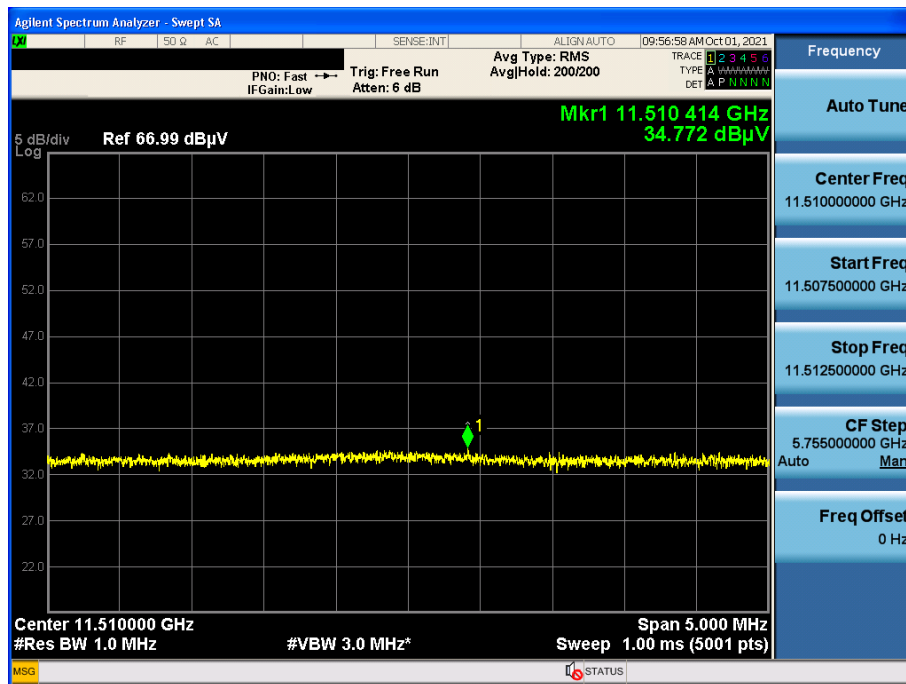
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Detector Mode : PK



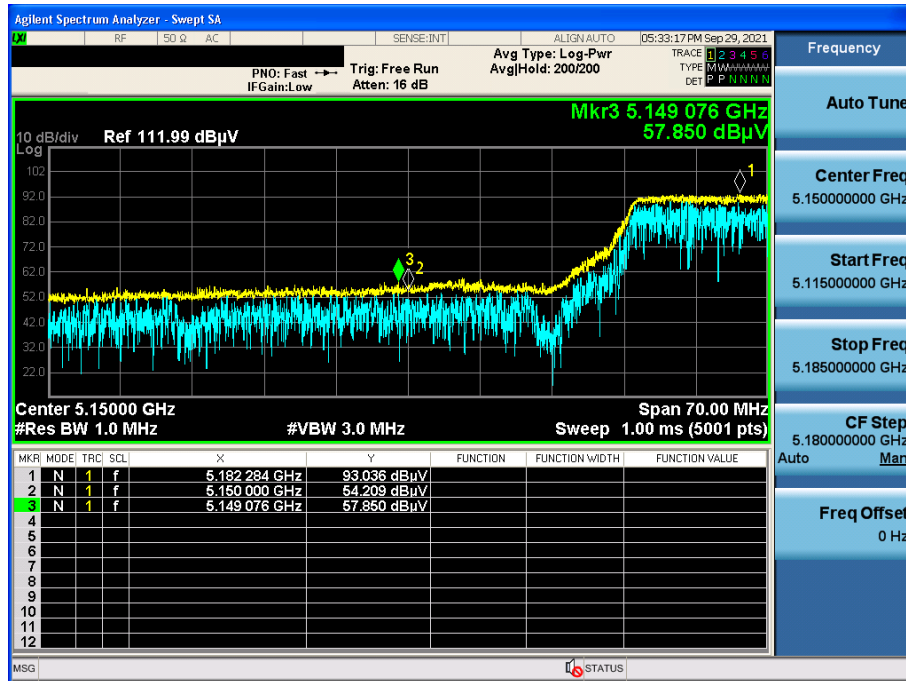
TM 3 & U-NII 3 & 5 755 & Z axis & Hor

Detector Mode : AV



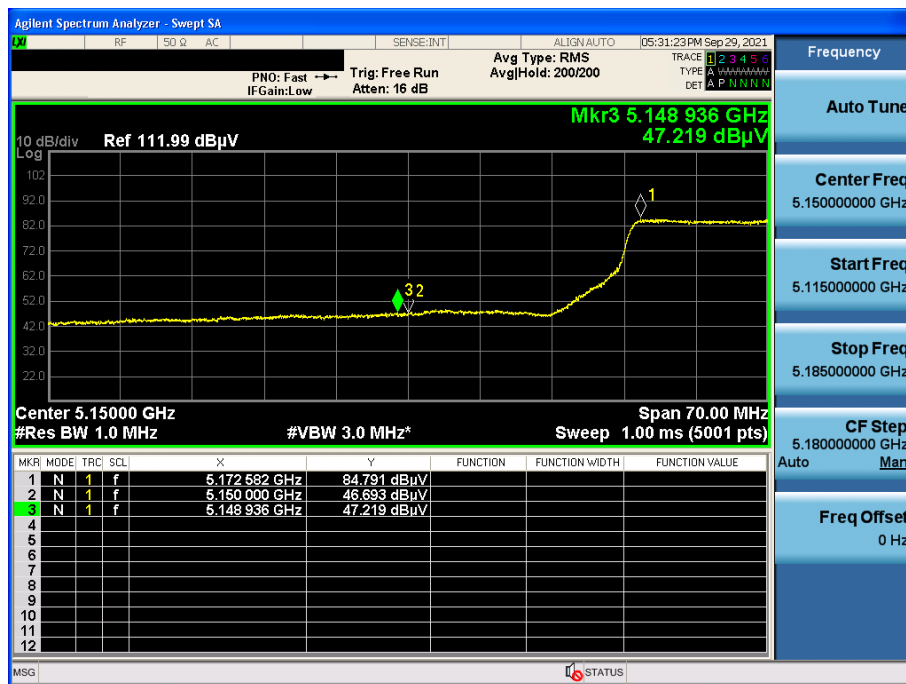
TM 4 & U-NII 1 & 5 210 & Z axis & Hor

Detector Mode : PK



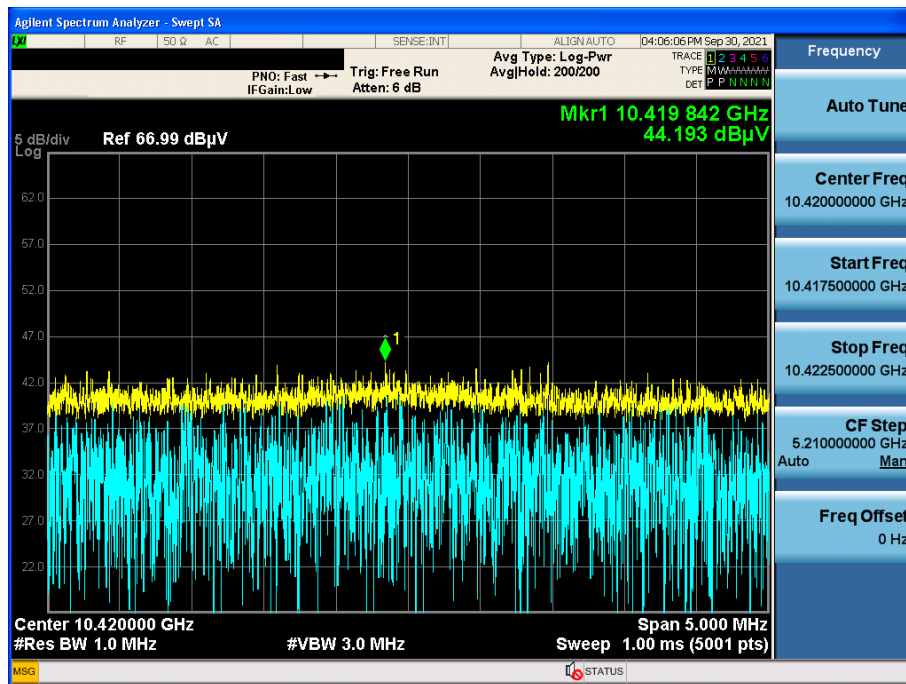
TM 4 & U-NII 1 & 5 210 & Z axis & Hor

Detector Mode : AV



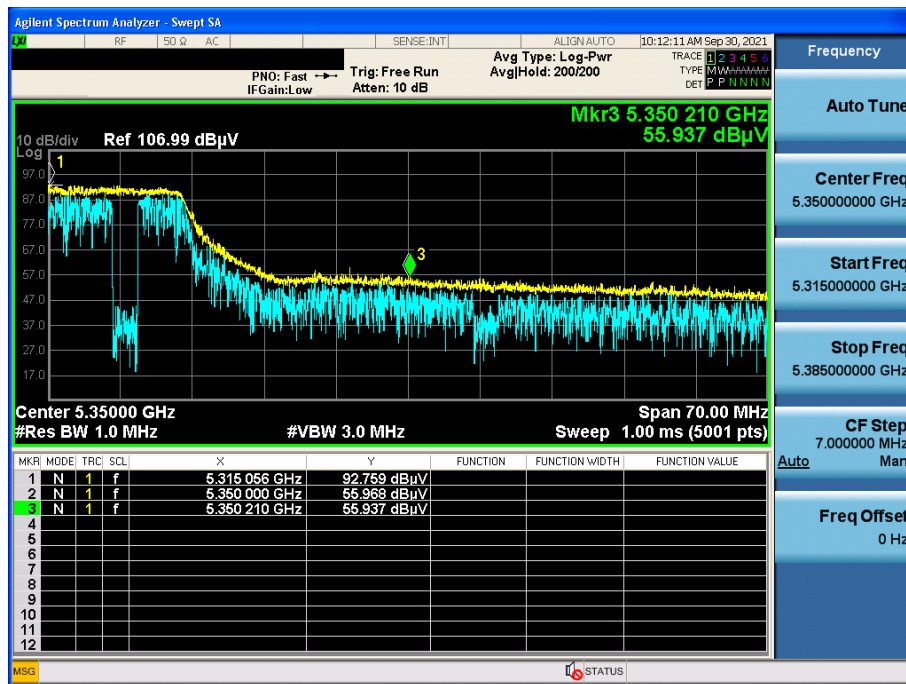
TM 4 & U-NII 1 & 5 210 & Z axis & Hor

Detector Mode : PK



TM 4 & U-NII 2A & 5 290 & Z axis & Hor

Detector Mode : PK



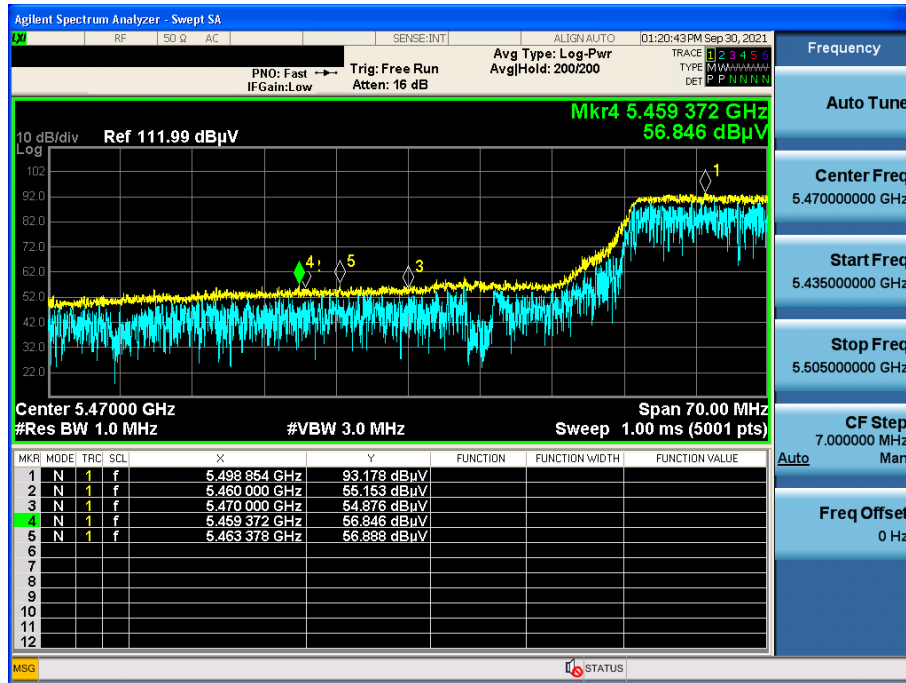
TM 4 & U-NII 2A & 5 290 & Z axis & Hor

Detector Mode : AV



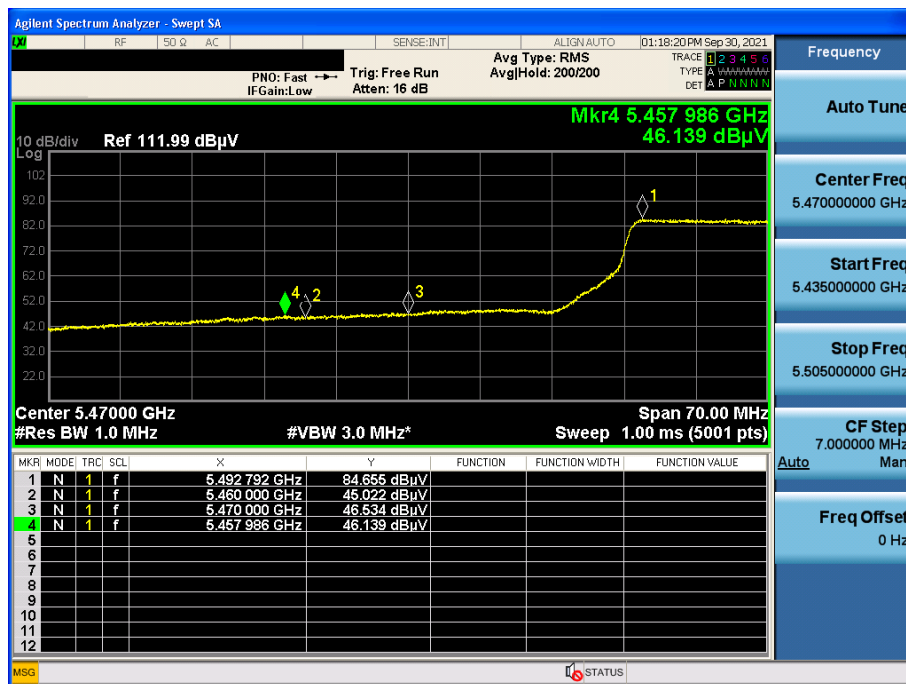
TM 4 & U-NII 2C & 5 530 & Z axis & Hor

Detector Mode : PK



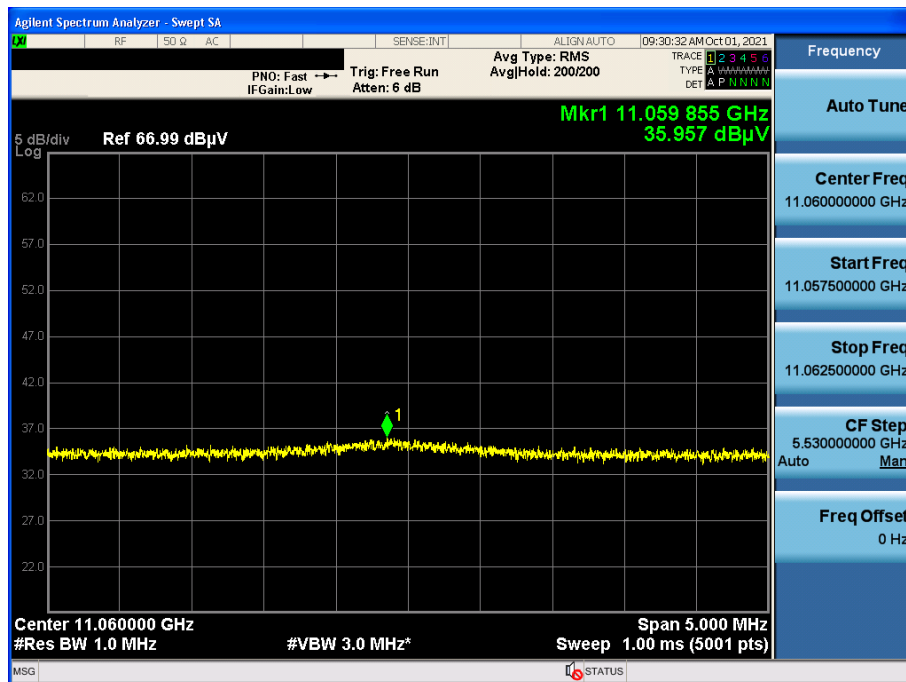
TM 4 & U-NII 2C & 5 530 & Z axis & Hor

Detector Mode : AV



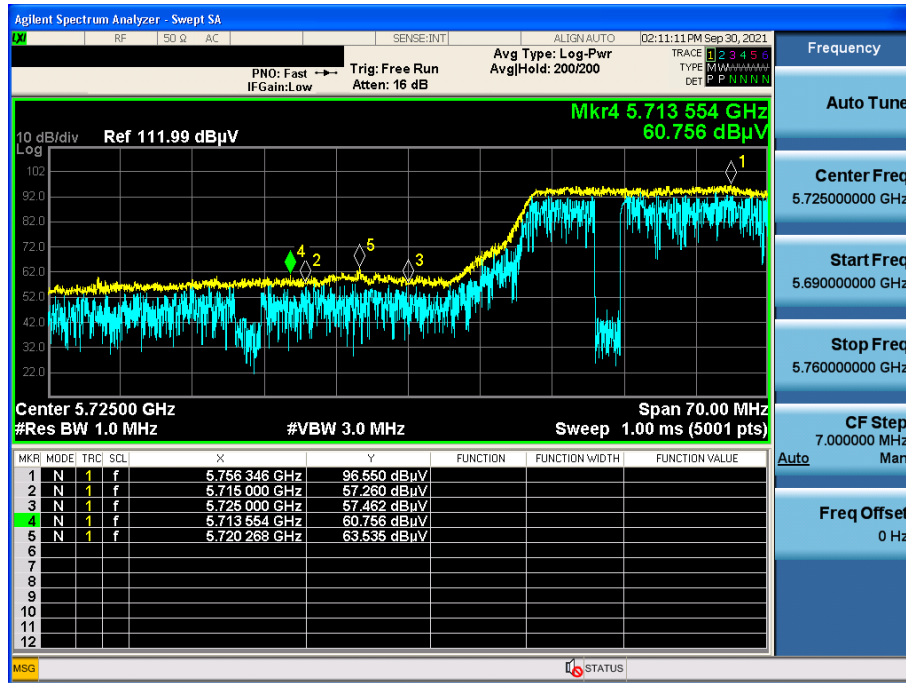
TM 4 & U-NII 2C & 5 530 & Z axis & Hor

Detector Mode : AV



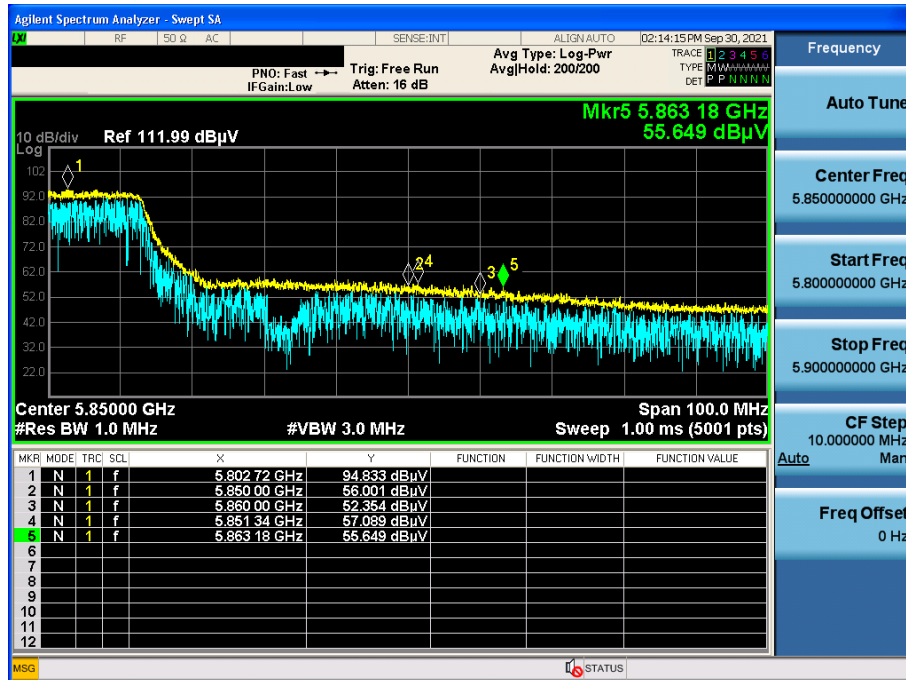
TM 4 & U-NII 3 & 5 775 & Z axis & Hor

Detector Mode : PK



TM 4 & U-NII 3 & 5 775 & Z axis & Hor

Detector Mode : PK



TM 4 & U-NII 3 & 5 775 & Z axis & Hor

Detector Mode : AV

