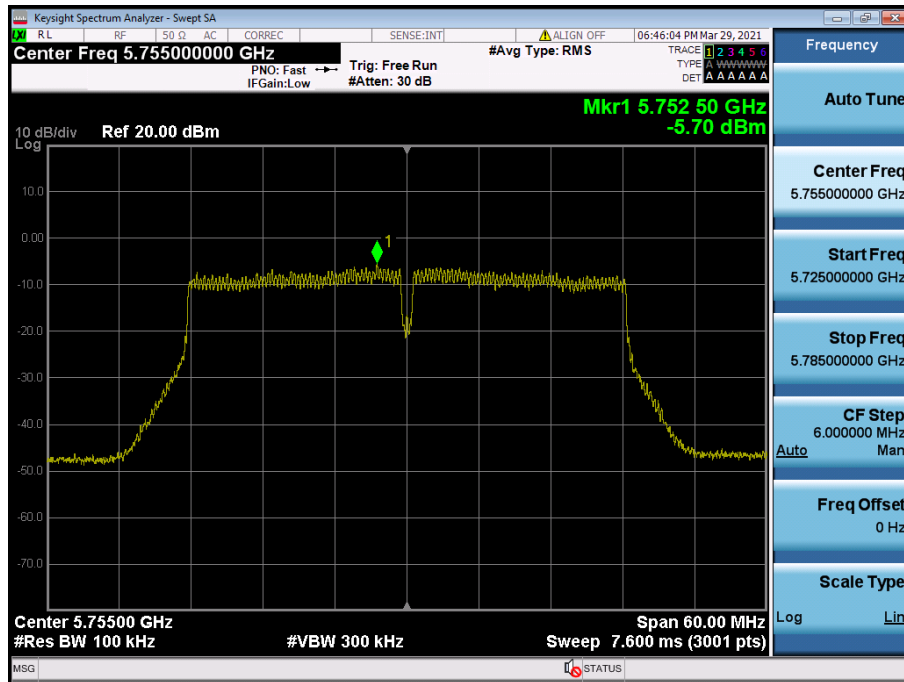


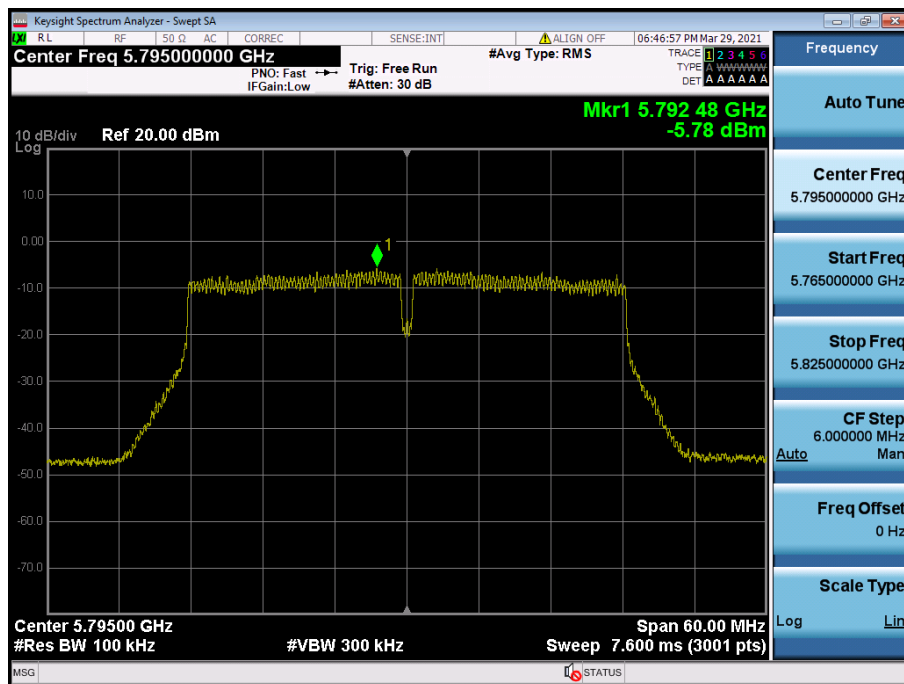
Maximum Power Spectral Density

Test Mode: TM 3 & Ch.151



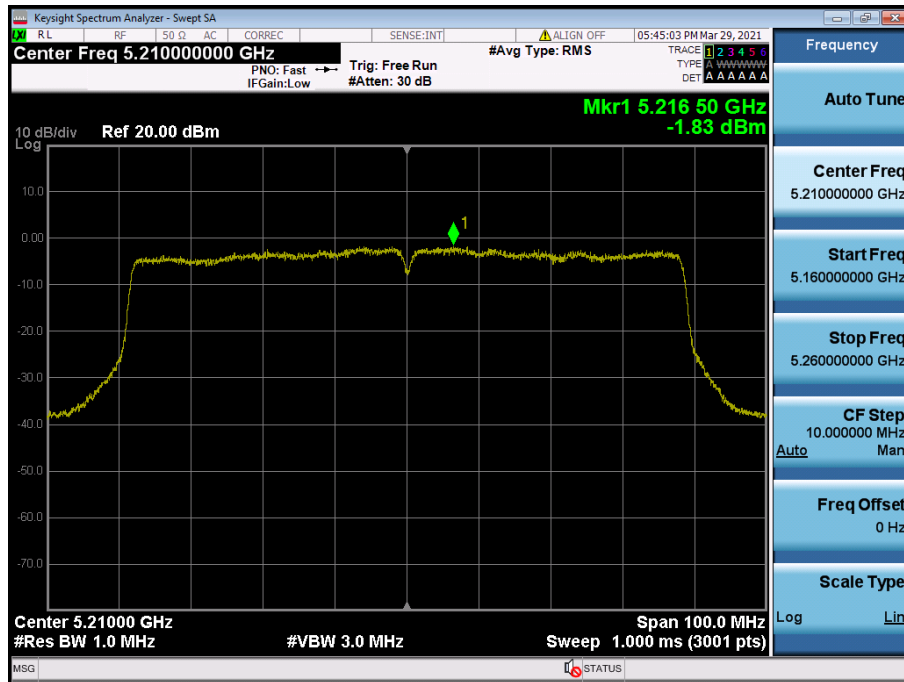
Maximum Power Spectral Density

Test Mode: TM 3 & Ch.159



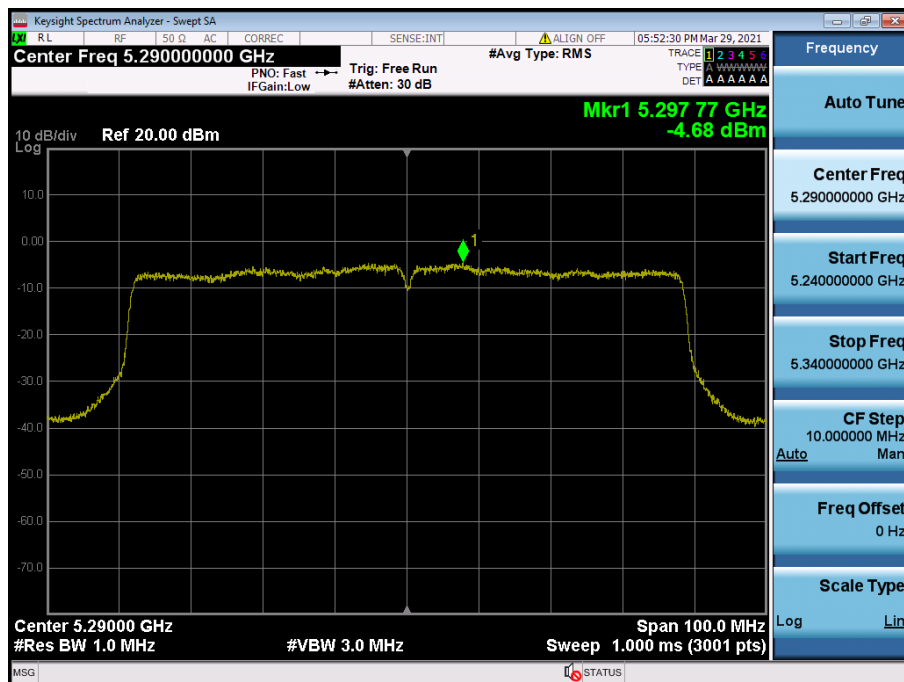
Maximum Power Spectral Density

Test Mode: TM 4 & Ch.42



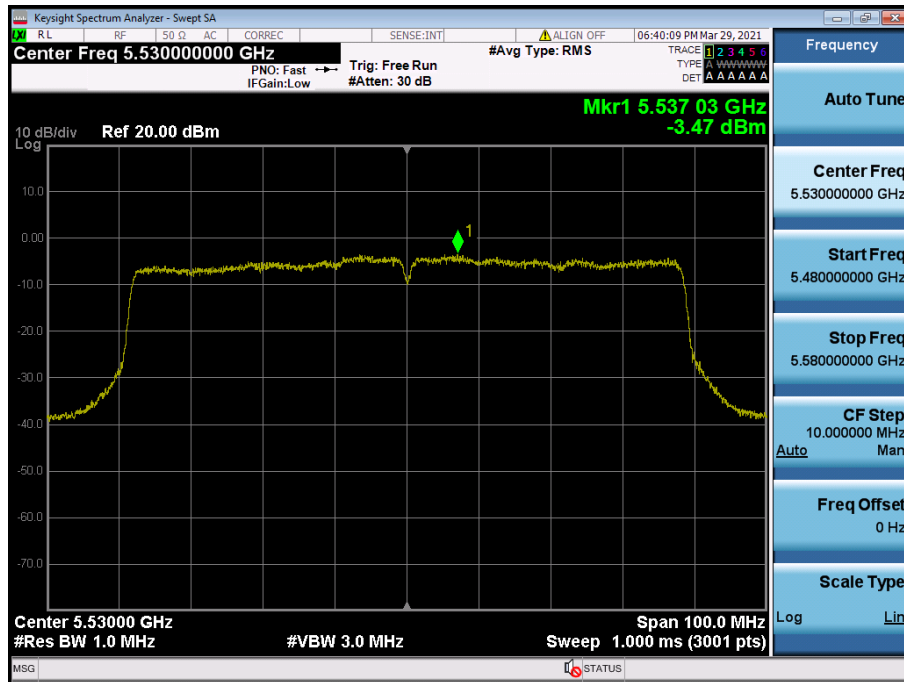
Maximum Power Spectral Density

Test Mode: TM 4 & Ch.58



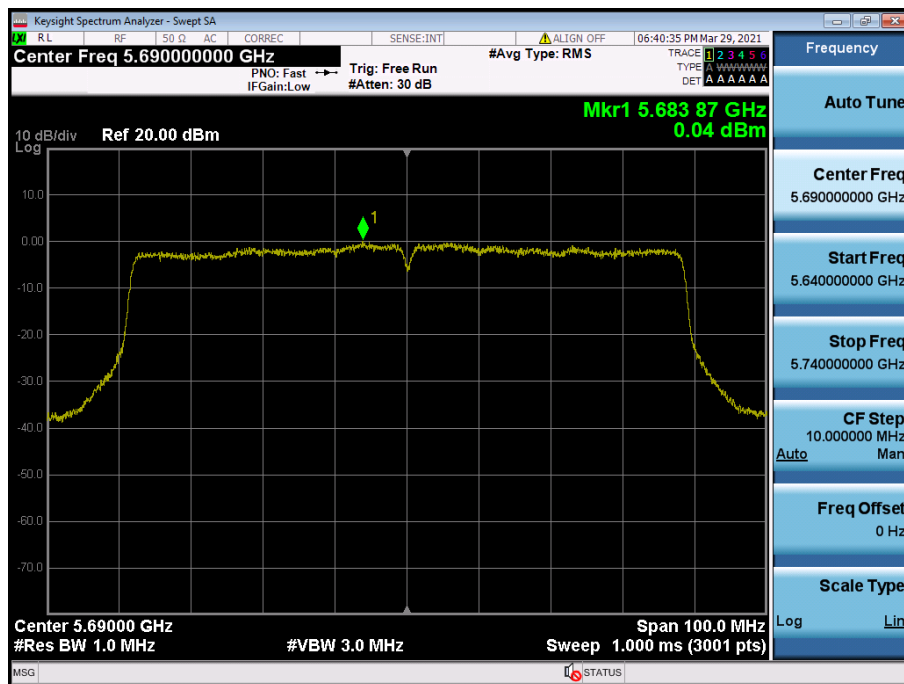
Maximum Power Spectral Density

Test Mode: TM 4 & Ch.106



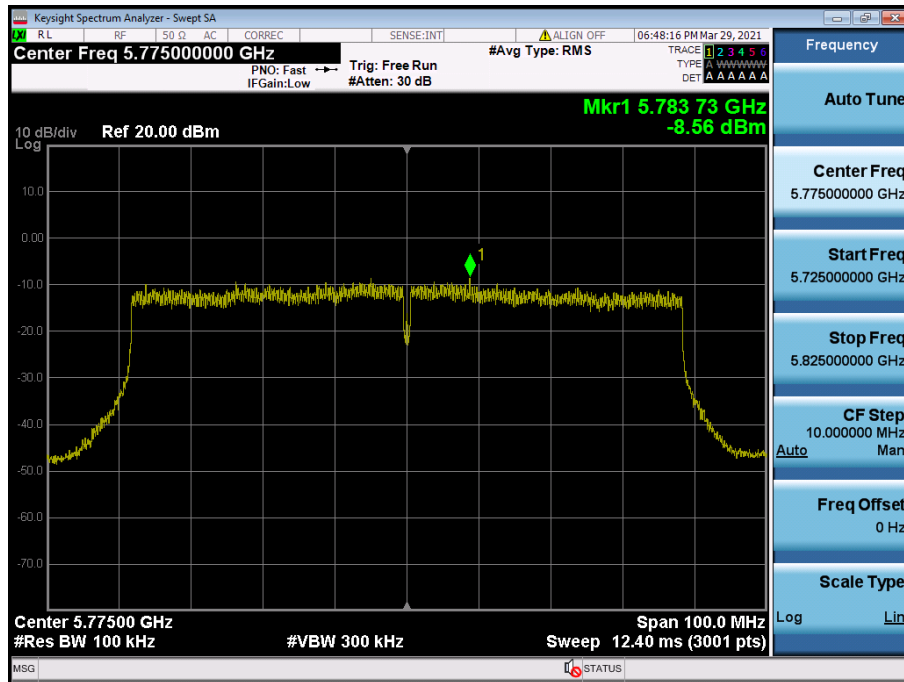
Maximum Power Spectral Density

Test Mode: TM 4 & Ch.138



Maximum Power Spectral Density

Test Mode: TM 4 & Ch.155



5.5 Unwanted Emissions

■ Test Requirements

- Part 15.407(b) & RSS-Gen[6.2]

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the **5.15 GHz - 5.25 GHz band**: all emissions outside of the **5.15 GHz - 5.35 GHz band** shall not exceed an **EIRP of -27 dBm/MHz**.
- (2) For transmitters operating in the **5.25 GHz - 5.35 GHz band**: all emissions outside of the **5.15 GHz - 5.35 GHz band** shall not exceed an **EIRP of -27 dBm/MHz**.
- (3) For transmitters operating in the **5.47 GHz - 5.725 GHz band**: all emissions outside of the **5.47 GHz - 5.725 GHz band** shall not exceed an **EIRP of -27 dBm/MHz**.
- (4) For transmitters operating in the **5.725 GHz - 5.85 GHz band**: (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (5) Unwanted emissions **below 1 GHz** must comply with the general field strength limits set forth in **Section 15.209**.

Further, any U-NII devices using an **AC power line** are required to comply also with the conducted limits set forth in **Section 15.207**.

- Part 15.209 & RSS-247[8.9]

Frequency (MHz)	FCC Limit (uV/m)	IC Limit (uA/m)	Measurement Distance (m)
0.009 – 0.490	2 400 / F (kHz)	6.37/F (F in kHz)	300
0.490 – 1.705	2 4000 / F (kHz)	63.7/F (F in kHz)	30
1.705 – 30.0	30	0.08	30

Frequency (MHz)	FCC Limit (uV/m)	IC Limit (uV/m)	Measurement Distance (m)
30 ~ 88	100 **	100	3
88 ~ 216	150 **	150	3
216 ~ 960	200 **	200	3
Above 960	500	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§15.231 and 15.241.

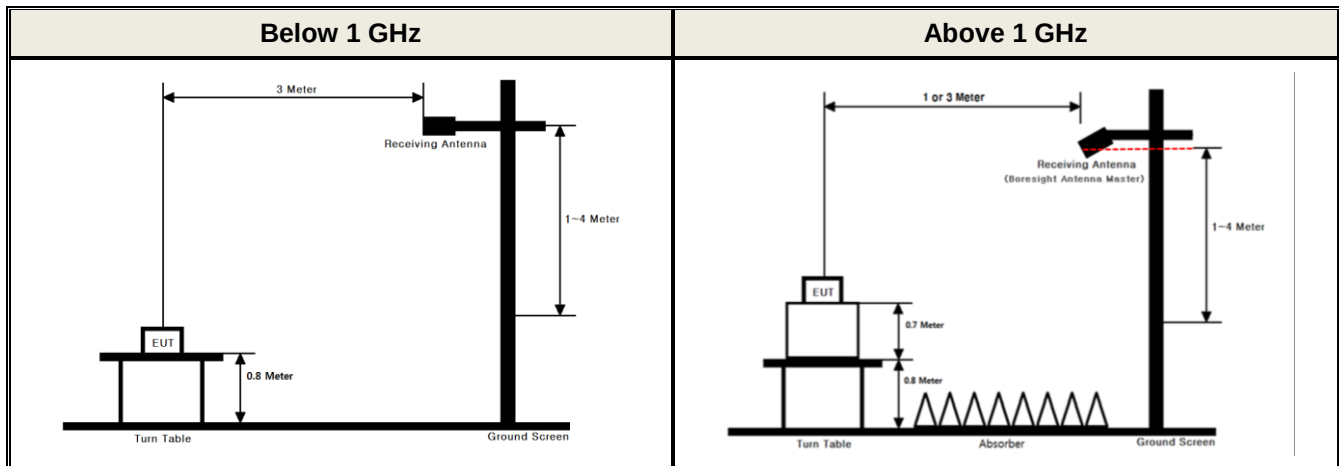
- Part 15.205(a): Restricted band of operation

MHz	MHz	MHz	MHz	GHz	GHz
0.009 ~ 0.110	8.41425 ~ 8.41475	108 ~ 121.94	1300 ~ 1427	4.5 ~ 5.15	14.47 ~ 14.5
0.495 ~ 0.505	12.29 ~ 12.293	123 ~ 138	1435 ~ 1626.5	5.35 ~ 5.46	15.35 ~ 16.2
2.1735 ~ 2.1905	12.51975 ~ 12.52025	149.9 ~ 150.05	1645.5 ~ 1646.5	7.25 ~ 7.75	17.7 ~ 21.4
4.125 ~ 4.128	12.57675 ~ 12.57725	156.52475 ~	1660 ~ 1710	8.025 ~ 8.5	22.01 ~ 23.12
4.17725 ~ 4.17775	13.36 ~ 13.41	156.52525	1718.8 ~ 1722.2	9.0 ~ 9.2	23.6 ~ 24.0
4.20725 ~ 4.20775	16.42 ~ 16.423	156.7 ~ 156.9	2200 ~ 2300	9.3 ~ 9.5	31.2 ~ 31.8
6.215 ~ 6.218	16.69475 ~ 16.69525	162.0125 ~ 167.17	2310 ~ 2390	10.6 ~ 12.7	36.43 ~ 36.5
6.26775 ~ 6.26825	16.80425 ~ 16.80475	167.72 ~ 173.2	2483.5 ~ 2500	13.25 ~ 13.4	Above 38.6
6.31175 ~ 6.31225	25.5 ~ 25.67	240 ~ 285	2655 ~ 2900		
8.291 ~ 8.294	37.5 ~ 38.25	322 ~ 335.4	3260 ~ 3267		
8.362 ~ 8.366	73 ~ 74.6	399.90 ~ 410	3332 ~ 3339		
8.37625 ~ 8.38675	74.8 ~ 75.2	608 ~ 614	3345.8 ~ 3358		
		960 ~ 1240	3600 ~ 4400		

- RSS-Gen[8.10]: Restricted frequency bands

MHz	MHz	MHz	MHz	GHz	GHz
0.090 ~ 0.110	8.362 ~ 8.366	73 ~ 74.6	608 ~ 614	3345.8 ~ 3358	9.0 ~ 9.2
0.495 ~ 0.505	8.37625 ~ 8.38675	74.8 ~ 75.2	960 ~ 1427	3500 ~ 4400	9.3 ~ 9.5
2.1735 ~ 2.1905	8.41425 ~ 8.41475	108 ~ 138	1435 ~ 1626.5	4500 ~ 5150	10.6 ~ 12.7
3.020 ~ 3.026	12.29 ~ 12.293	149.9 ~ 150.05	1645.5 ~ 1646.5	5350 ~ 5460	13.25 ~ 13.4
4.125 ~ 4.128	12.51975 ~ 12.52025	156.52475 ~	1660 ~ 1710	7250 ~ 7750	14.47 ~ 14.5
4.17725 ~ 4.17775	12.57675 ~ 12.57725	156.52525	1718.8 ~ 1722.2	8025 ~ 8500	15.35 ~ 16.2
4.20725 ~ 4.20775	13.36 ~ 13.41	156.7 ~ 156.9	2200 ~ 2300		17.7 ~ 21.4
5.677 ~ 5.683	16.42 ~ 16.423	162.0125 ~ 167.17	2310 ~ 2390		22.01 ~ 23.12
6.215 ~ 6.218	16.69475 ~ 16.69525	167.72 ~ 173.2	2483.5 ~ 2500		23.6 ~ 24.0
6.26775 ~ 6.26825	16.80425 ~ 16.80475	240 ~ 285	2655 ~ 2900		31.2 ~ 31.8
6.31175 ~ 6.31225	25.5 ~ 25.67	322 ~ 335.4	3260 ~ 3267		36.43 ~ 36.5
8.291 ~ 8.294	37.5 ~ 38.25	399.90 ~ 410	3332 ~ 3339		Above 38.6

■ Test Configuration



■ Test Procedure

1. The EUT is placed on a non-conductive table. For emission measurements at or below 1 GHz, the table height is 80 cm. For emission measurements above 1 GHz, the table height is 1.5 m.
2. The turn table shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 1 m or 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.

Radiated spurious emission measured using following Measurement Procedure of KDB789033 D02v02r01

► General Requirements for Unwanted Emissions Measurements

The following requirements apply to all unwanted emissions measurements, both in and outside of the restricted bands:

▪ EUT Duty Cycle

- (1) The EUT shall be configured or modified to **transmit continuously** except as stated in (ii), below. The intent is to test at 100 percent duty cycle; however a small reduction in duty cycle (**to no lower than 98 percent**) is permitted if required by the EUT for amplitude control purposes. Manufacturers are expected to provide software to the test lab to permit such continuous operation.
- (2) If **continuous transmission (or at least 98 percent duty cycle) cannot be achieved** due to hardware limitations of the EUT (e.g., overheating), the following additions to the measurement and reporting procedures are required:
 - The EUT shall be configured to operate at the maximum achievable duty cycle.
 - Measure the duty cycle, x, of the transmitter output signal.
 - Adjustments to measurement procedures (e.g., increasing test time and number of traces averaged) shall be performed as described in the procedures below.
 - The test report shall include the following additional information:
 - The reason for the duty cycle limitation.
 - The duty cycle achieved for testing and the associated transmit duration and interval between transmissions.
 - The sweep time and the amount of time used for trace stabilization during max-hold measurements for peak emission measurements.
- (3) Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

► Measurements below 1 000 MHz

- a) Follow the requirements in section II.G.3, "General Requirements for Unwanted Emissions Measurements".
- b) Compliance shall be demonstrated using **CISPR quasi-peak detection**; however, **peak detection** is permitted as an alternative to quasi-peak detection.

► Measurements Above 1 000 MHz (Peak)

- a) Follow the requirements in section II.G.3, "General Requirements for Unwanted Emissions Measurements".
- b) Peak emission levels are measured by setting the analyzer as follows:
 - (i) **RBW = 1 MHz.**
 - (ii) **VBW ≥ 3 MHz.**
 - (iii) **Detector = Peak.**
 - (iv) Sweep time = Auto.
 - (v) Trace mode = Max hold.
 - (vi) Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle. For example, at 50 percent duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

► Measurements Above 1000 MHz (Method AD)

- (i) **RBW = 1 MHz.**
- (ii) **VBW ≥ 3 MHz.**
- (iii) **Detector = RMS**, if $\text{span} / (\# \text{ of points in sweep}) \leq \text{RBW} / 2$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, the detector mode shall be set to peak.
- (iv) Averaging type = power (i.e., RMS)
 - As an alternative, the detector and averaging type may be set for linear voltage averaging. Some analyzers require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- (v) Sweep time = Auto.
- (vi) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, the number of traces shall be increased by a factor of 1/x, where x is the duty cycle. For example, with 50 percent duty cycle, at least 200 traces shall be averaged.
- (vii) If tests are performed with the EUT transmitting at a duty cycle less than 98 percent, a correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - **If power averaging (RMS) mode was used in step (iv) above, the correction factor is $10 \log(1/x)$, where x is the duty cycle.** For example, if the transmit duty cycle was 50 percent, then 3 dB must be added to the measured emission levels.
 - If linear voltage averaging mode was used in step (iv) above, the correction factor is $20 \log(1/x)$, where x is the duty cycle. For example, if the transmit duty cycle was 50 percent, then 6 dB must be added to the measured emission levels.
 - If a specific emission is demonstrated to be continuous (100 percent duty cycle) rather than turning on and off with the transmit cycle, no duty cycle correction is required for that emission.

Duty Cycle Correction factor

Test Mode	Date rate	T _{on} (ms)	T _{on+off} (ms)	$x = T_{on} / (T_{on+off})$	DCCF = $10 \log(1/x)$ (dB)
TM 1	6 Mbps	2.055	2.110	0.973 9	0.11
TM 2	MCS 2	0.665	0.708	0.938 9	0.27
TM 3	MCS 0	0.942	0.988	0.953 8	0.21
TM 4	MCS 0	0.460	0.503	0.914 0	0.39

Note1: Where, T = Transmission duration / x = Duty cycle

Note2: Please refer to the appendix II for duty cycle plots.

Test Results

Test Notes

- The radiated emissions were investigated 9 kHz to 40 GHz. And no other spurious and harmonic emissions were found below listed frequencies.
- Information of Distance Correction Factor
For finding emissions, measurements may be performed at a distance closer than that specified in the regulations.
In this case, the distance factor is applied to the result.
- Calculation of distance correction factor
At frequencies below 30 MHz = $40 \log(\text{tested distance} / \text{specified distance})$
At frequencies at or above 30 MHz = $20 \log(\text{tested distance} / \text{specified distance})$
When distance factor is "N/A", the measurements were performed at the specified distance and distance factor is not applied.
- Sample Calculation.
 $\text{Margin} = \text{Limit} - \text{Result} / \text{Result} = \text{Reading} + \text{TF} + \text{DCCF} + \text{DCF} / \text{TF} = \text{AF} + \text{CL} + \text{HL} + \text{AL} - \text{AG}$
Where, TF = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain, HL = High pass filter Loss, AL = Attenuator Loss, DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor
- The limit is converted to field strength.
 $E(\text{dBuV/m}) = \text{EIRP}(\text{dBm}) + 95.2 \text{ dB} = -27 \text{ dBm} + 95.2 = 68.2 \text{ dBuV/m}$

Unwanted Emissions data(9 kHz ~ 40 GHz) : TM1 Normal

Band	Tested Frequency (MHz)	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	5 180	5 147.89	H	Z	PK	64.99	3.06	N/A	N/A	68.05	74.00	5.95
		5 146.11	H	Z	AV	45.75	3.05	0.11	N/A	48.91	54.00	5.09
		10 361.50	H	Z	PK	44.27	9.44	N/A	N/A	53.71	68.20	14.49
	5 200	10 398.88	H	Z	PK	43.65	9.39	N/A	N/A	53.04	68.20	15.16
	5 240	10 479.45	H	Z	PK	43.62	9.28	N/A	N/A	52.90	68.20	15.30
U-NII 2A	5 260	10 519.09	H	Z	PK	43.15	9.27	N/A	N/A	52.42	68.20	15.78
	5 300	10 600.29	H	Z	PK	44.24	9.22	N/A	N/A	53.46	74.00	20.54
		10 601.69	H	Z	AV	32.98	9.24	0.11	N/A	42.33	54.00	11.67
	5 320	5 350.98	H	Z	PK	66.25	3.12	N/A	N/A	69.37	74.00	4.63
		5 350.45	H	Z	AV	48.14	3.12	0.11	N/A	51.37	54.00	2.63
		10 639.50	H	Z	PK	43.55	9.55	N/A	N/A	53.10	74.00	20.90
		10 638.70	H	Z	AV	32.60	9.54	0.11	N/A	42.25	54.00	11.75
U-NII 2C	5 500	5 458.91	H	Z	PK	60.70	3.39	N/A	N/A	64.09	74.00	9.91
		5 454.10	H	Z	AV	42.63	3.38	0.11	N/A	46.12	54.00	7.88
		5 469.54	H	Z	PK	61.64	3.41	N/A	N/A	65.05	68.20	3.15
		10 999.79	H	Z	PK	43.81	10.40	N/A	N/A	54.21	74.00	19.79
		10 999.88	H	Z	AV	33.30	10.40	0.11	N/A	43.81	54.00	10.19
	5 580	11 159.83	H	Z	PK	44.46	9.91	N/A	N/A	54.37	74.00	19.63
		11 160.19	H	Z	AV	33.68	9.91	0.11	N/A	43.70	54.00	10.30
	5 720	11 439.99	H	Z	PK	43.92	9.87	N/A	N/A	53.79	74.00	20.21
		11 440.56	H	Z	AV	33.18	9.87	0.11	N/A	43.16	54.00	10.84
U-NII 3	5 745	5 649.70	H	Z	PK	52.26	3.48	N/A	N/A	55.74	68.20	12.46
		5 724.85	H	Z	PK	70.47	3.63	N/A	N/A	74.10	121.86	47.76
		11 490.08	H	Z	PK	43.93	9.88	N/A	N/A	53.81	74.00	20.19
		11 490.32	H	Z	AV	33.39	9.88	0.11	N/A	43.38	54.00	10.62
	5 785	11 569.67	H	Z	PK	44.04	9.89	N/A	N/A	53.93	74.00	20.07
		11 569.37	H	Z	AV	33.37	9.89	0.11	N/A	43.37	54.00	10.63
	5 825	5 854.94	H	Z	PK	58.17	3.58	N/A	N/A	61.75	110.94	49.19
		5 925.90	H	Z	PK	51.66	4.01	N/A	N/A	55.67	68.20	12.53
		11 649.26	H	Z	PK	44.44	9.88	N/A	N/A	54.32	74.00	19.68
		11 649.38	H	Z	AV	34.00	9.88	0.11	N/A	43.99	54.00	10.01

Unwanted Emissions data(9 kHz ~ 40 GHz) : **TM2 Normal**

Band	Tested Frequency (MHz)	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	5 180	5 149.33	H	Z	PK	65.69	3.06	N/A	N/A	68.75	74.00	5.25
		5 148.92	H	Z	AV	46.26	3.06	0.27	N/A	49.59	54.00	4.41
		10 360.59	H	Z	PK	43.76	9.44	N/A	N/A	53.20	68.20	15.00
	5 200	10 401.01	H	Z	PK	42.58	9.39	N/A	N/A	51.97	68.20	16.23
	5 240	10 478.94	H	Z	PK	43.65	9.28	N/A	N/A	52.93	68.20	15.27
U-NII 2A	5 260	10 519.81	H	Z	PK	43.48	9.27	N/A	N/A	52.75	68.20	15.45
	5 300	10 599.25	H	Z	PK	44.15	9.22	N/A	N/A	53.37	68.20	14.83
		10 600.56	H	Z	PK	43.70	9.23	N/A	N/A	52.93	74.00	21.07
		10 600.40	H	Z	AV	33.24	9.22	0.27	N/A	42.73	54.00	11.27
	5 320	5 361.09	H	Z	PK	66.14	3.16	N/A	N/A	69.30	74.00	4.70
		5 351.57	H	Z	AV	47.43	3.12	0.27	N/A	50.82	54.00	3.18
		10 640.47	H	Z	PK	43.42	9.56	N/A	N/A	52.98	74.00	21.02
		10 639.98	H	Z	AV	32.68	9.56	0.27	N/A	42.51	54.00	11.49
U-NII 2C	5 500	5 458.31	H	Z	PK	60.24	3.39	N/A	N/A	63.63	74.00	10.37
		5 459.19	H	Z	AV	42.71	3.39	0.27	N/A	46.37	54.00	7.63
		5 464.23	H	Z	PK	61.65	3.40	N/A	N/A	65.05	68.20	3.15
		11 001.07	H	Z	PK	43.40	10.40	N/A	N/A	53.80	74.00	20.20
		11 001.15	H	Z	AV	33.20	10.40	0.27	N/A	43.87	54.00	10.13
	5 580	11 159.76	H	Z	PK	44.07	9.91	N/A	N/A	53.98	74.00	20.02
		11 159.92	H	Z	AV	33.58	9.91	0.27	N/A	43.76	54.00	10.24
	5 720	11 439.28	H	Z	PK	44.23	9.87	N/A	N/A	54.10	74.00	19.90
		11 439.71	H	Z	AV	33.03	9.87	0.27	N/A	43.17	54.00	10.83
U-NII 3	5 745	5 649.05	H	Z	PK	52.79	3.48	N/A	N/A	56.27	68.20	11.93
		5 724.80	H	Z	PK	66.88	3.63	N/A	N/A	70.51	121.74	51.23
		11 489.50	H	Z	PK	43.97	9.88	N/A	N/A	53.85	74.00	20.15
		11 489.76	H	Z	AV	33.58	9.88	0.27	N/A	43.73	54.00	10.27
	5 785	11 569.74	H	Z	PK	43.80	9.89	N/A	N/A	53.69	74.00	20.31
		11 569.88	H	Z	AV	32.92	9.89	0.27	N/A	43.08	54.00	10.92
	5 825	5 854.92	H	Z	PK	59.08	3.58	N/A	N/A	62.66	110.98	48.32
		5 925.90	H	Z	PK	51.86	4.01	N/A	N/A	55.87	68.20	12.33
		11 648.17	H	Z	PK	45.28	9.88	N/A	N/A	55.16	74.00	18.84
		11 648.75	H	Z	AV	34.06	9.88	0.27	N/A	44.21	54.00	9.79

Unwanted Emissions data(9 kHz ~ 40 GHz) : **TM3 Normal**

Band	Tested Frequency (MHz)	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	5 190	5 147.31	H	Z	PK	61.68	3.05	N/A	N/A	64.73	74.00	9.27
		5 149.97	H	Z	AV	47.18	3.07	0.21	N/A	50.46	54.00	3.54
		10 379.94	H	Z	PK	43.50	9.42	N/A	N/A	52.92	68.20	15.28
	5 210	10 460.40	H	Z	PK	43.27	9.31	N/A	N/A	52.58	68.20	15.62
U-NII 2A	5 270	10 538.90	H	Z	PK	44.83	9.28	N/A	N/A	54.11	68.20	14.09
	5 310	5 350.78	H	Z	PK	65.22	3.12	N/A	N/A	68.34	74.00	5.66
		5 350.66	H	Z	AV	47.53	3.12	0.21	N/A	50.86	54.00	3.14
		10 618.79	H	Z	PK	43.30	9.38	N/A	N/A	52.68	74.00	21.32
		10 619.53	H	Z	AV	32.94	9.38	0.21	N/A	42.53	54.00	11.47
U-NII 2C	5 510	5 458.56	H	Z	PK	60.33	3.39	N/A	N/A	63.72	74.00	10.28
		5 458.26	H	Z	AV	42.95	3.39	0.21	N/A	46.55	54.00	7.45
		5 467.86	H	Z	PK	61.80	3.40	N/A	N/A	65.20	68.20	3.00
		11 020.16	H	Z	PK	44.12	10.35	N/A	N/A	54.47	74.00	19.53
		11 020.46	H	Z	AV	33.22	10.35	0.21	N/A	43.78	54.00	10.22
	5 550	11 099.05	H	Z	PK	45.47	10.07	N/A	N/A	55.54	74.00	18.46
		11 099.34	H	Z	AV	34.31	10.07	0.21	N/A	44.59	54.00	9.41
	5 710	11 420.63	H	Z	PK	43.19	9.87	N/A	N/A	53.06	74.00	20.94
		11 420.49	H	Z	AV	32.76	9.87	0.21	N/A	42.84	54.00	11.16
U-NII 3	5 755	5 647.87	H	Z	PK	54.53	3.47	N/A	N/A	58.00	68.20	10.20
		5 724.82	H	Z	PK	67.30	3.63	N/A	N/A	70.93	121.79	50.86
		11 510.98	H	Z	PK	43.18	9.89	N/A	N/A	53.07	74.00	20.93
		11 511.50	H	Z	AV	33.30	9.89	0.21	N/A	43.40	54.00	10.60
	5 795	5 854.90	H	Z	PK	60.00	3.58	N/A	N/A	63.58	111.03	47.45
		5 930.40	H	Z	PK	51.41	4.05	N/A	N/A	55.46	68.20	12.74
		11 590.95	H	Z	PK	44.64	9.86	N/A	N/A	54.50	74.00	19.50
		11 591.40	H	Z	AV	33.03	9.86	0.21	N/A	43.10	54.00	10.90

Unwanted Emissions data(9 kHz ~ 40 GHz) : **TM4 Normal**

Band	Tested Frequency (MHz)	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	5 210	5 147.66	H	Z	PK	58.37	3.06	N/A	N/A	61.43	74.00	12.57
		5 148.12	H	Z	AV	47.47	3.06	0.39	N/A	50.92	54.00	3.08
		10 419.88	H	Z	PK	44.03	9.36	N/A	N/A	53.39	68.20	14.81
U-NII 2A	5 290	5 350.80	H	Z	PK	57.14	3.12	N/A	N/A	60.26	74.00	13.74
		5 350.80	H	Z	AV	47.26	3.12	0.39	N/A	50.77	54.00	3.23
		10 580.94	H	Z	PK	43.47	9.25	N/A	N/A	52.72	68.20	15.48
U-NII 2C	5 510	5 458.88	H	Z	PK	57.77	3.39	N/A	N/A	61.16	74.00	12.84
		5 458.68	H	Z	AV	47.01	3.39	0.39	N/A	50.79	54.00	3.21
		5 465.12	H	Z	PK	58.92	3.40	N/A	N/A	62.32	68.20	5.88
		11 059.62	H	Z	PK	44.57	10.24	N/A	N/A	54.81	74.00	19.19
		11 059.22	H	Z	AV	33.95	10.24	0.39	N/A	44.58	54.00	9.42
	5 690	11 378.62	H	Z	PK	43.28	9.86	N/A	N/A	53.14	74.00	20.86
		11 378.80	H	Z	AV	32.55	9.86	0.39	N/A	42.80	54.00	11.20
U-NII 3	5 775	5 649.90	H	Z	PK	52.39	3.48	N/A	N/A	55.87	68.20	12.33
		5 724.84	H	Z	PK	64.29	3.63	N/A	N/A	67.92	121.84	53.92
		5 854.86	H	Z	PK	61.86	3.58	N/A	N/A	65.44	111.12	45.68
		5 929.25	H	Z	PK	53.19	4.04	N/A	N/A	57.23	68.20	10.97
		11 550.01	H	Z	PK	44.07	9.91	N/A	N/A	53.98	74.00	20.02
		11 549.77	H	Z	AV	33.43	9.91	0.39	N/A	43.73	54.00	10.27

Unwanted Emissions data(9 kHz ~ 40 GHz) : TM4 With wireless charging

Band	Tested Frequency (MHz)	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	5 210	5 148.70	V	X	PK	60.37	3.06	N/A	N/A	63.43	74.00	10.57
		5 148.08	V	X	AV	46.23	3.06	0.39	N/A	49.68	54.00	4.32
		10 418.62	V	X	PK	43.48	9.36	N/A	N/A	52.84	68.20	15.36

Unwanted Emissions data(9 kHz ~ 40 GHz) : TM1 With wireless charging

Band	Tested Frequency (MHz)	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 2A	5 320	5 350.94	V	X	PK	63.92	3.12	N/A	N/A	67.04	74.00	6.96
		5 350.90	V	X	AV	44.12	3.12	0.11	N/A	47.35	54.00	6.65
		10 639.04	V	X	PK	42.56	9.55	N/A	N/A	52.11	74.00	21.89
		10 638.86	V	X	AV	32.58	9.55	0.11	N/A	42.24	54.00	11.76

Unwanted Emissions data(9 kHz ~ 40 GHz) : TM3 With wireless charging

Band	Tested Frequency (MHz)	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 2C	5 510	5 458.62	V	X	PK	56.75	3.39	N/A	N/A	60.14	74.00	13.86
		5 457.52	V	X	AV	41.17	3.39	0.21	N/A	44.77	54.00	9.23
		5 463.14	V	X	PK	59.20	3.40	N/A	N/A	62.60	68.20	5.60
		11 018.85	V	X	PK	44.54	10.36	N/A	N/A	54.90	74.00	19.10
		11 018.71	V	X	AV	33.65	10.36	0.21	N/A	44.22	54.00	9.78

Unwanted Emissions data(9 kHz ~ 40 GHz) : TM2 With wireless charging

Band	Tested Frequency (MHz)	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 3	5 825	5 854.94	V	X	PK	57.91	3.58	N/A	N/A	61.49	110.94	49.45
		5 926.79	V	X	PK	51.94	4.02	N/A	N/A	55.96	68.20	12.24
		11 650.53	V	X	PK	44.91	9.88	N/A	N/A	54.79	74.00	19.21
		11 650.06	V	X	AV	34.06	9.88	0.27	N/A	44.21	54.00	9.79

5.6 AC Power-Line Conducted Emissions

■ Test Requirements, §15.207 & RSS-Gen [8.8]

An intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 uH/50 ohm line impedance stabilization network (LISN).

Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequency ranges.

Frequency Range (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 ~ 0.5	66 to 56 *	56 to 46 *
0.5 ~ 5.0	56	46
5 ~ 30	60	50

* Decreases with the logarithm of the frequency

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

■ Test Configuration

See test photographs for the actual connections between EUT and support equipment.

■ Test Procedure

Conducted emissions from the EUT were measured according to the ANSI C63.10-2013.

1. The test procedure is performed in a 6.5 m × 3.5 m × 3.5 m (L × W × H) shielded room. The EUT along with its peripherals were placed on a 1.0 m (W) × 1.5 m (L) and 0.8 m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane.
2. The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room.
3. All peripherals were connected to the second LISN and the chassis ground also bounded to the horizontal ground plane of shielded room.
4. The excess power cable between the EUT and the LISN was bundled. The power cables of peripherals were unbundled. All connecting cables of EUT and peripherals were moved to find the maximum emission.

■ Test Results: **Comply**

See next pages for actual measured spectrum plots and data for worst case result.

AC Power-Line Conducted Emissions (Graph)

Test Mode: U-NII 1 & TM 1 & 5 240 MHz

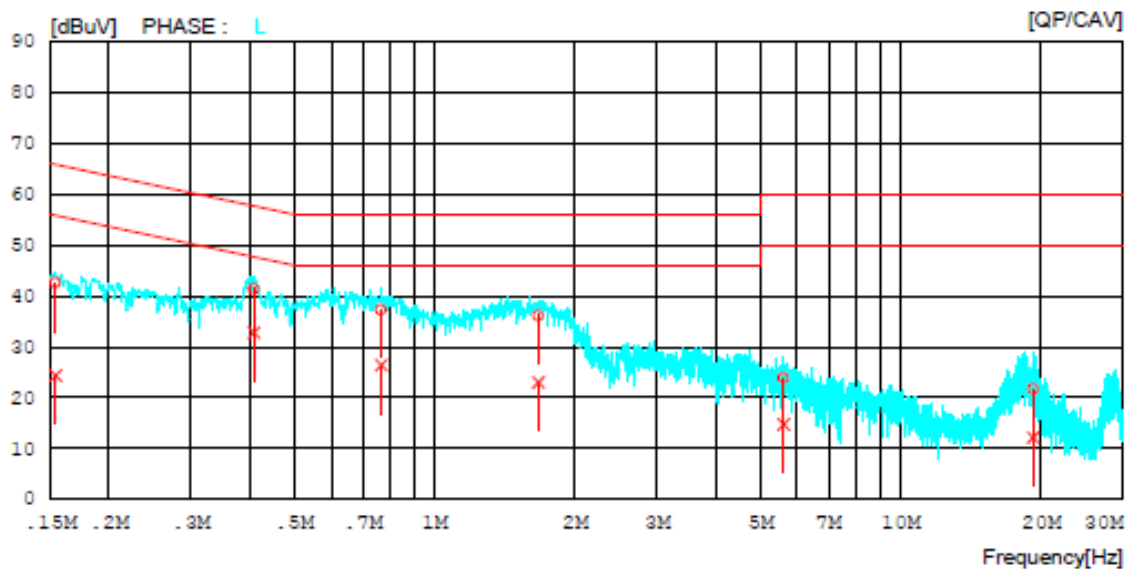
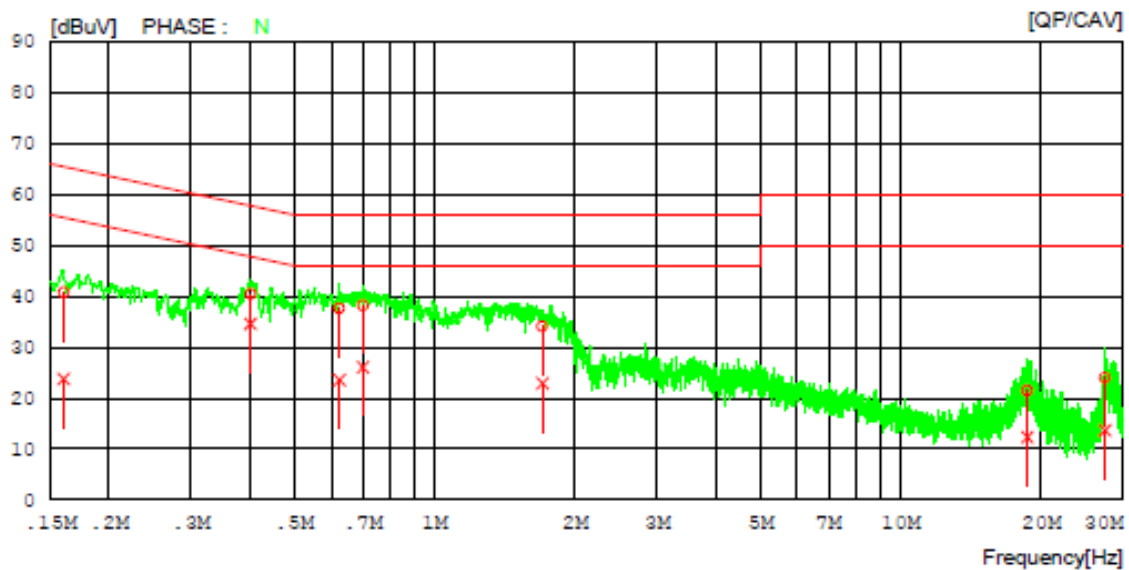
Results of Conducted Emission

DTNC

Date 2021-02-19

Order No.
Model No.
Serial No.
Test ConditionPM30
5G WLAN (NII 1)Reference No.
Power Supply
Temp/Humi.
Operator120 V, 60 Hz
23 °C / 35 %
J.W.Kim

Memo

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

AC Power-Line Conducted Emissions (Data List)

Test Mode: U-NII 1 & TM 1 & 5 240 MHz

Results of Conducted Emission

DTNC

Date 2021-02-19

Order No.		Reference No.	
Model No.	PM30	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 35 %
Test Condition	5G WLAN (NII 1)	Operator	J.W.Kim

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	0.16004	30.81	13.84	9.95	40.76	23.79	65.46	55.46	24.70	31.67	N
2	0.40271	30.50	24.62	9.98	40.48	34.60	57.80	47.80	17.32	13.20	N
3	0.62405	27.64	13.56	9.97	37.61	23.53	56.00	46.00	18.39	22.47	N
4	0.70136	28.21	16.15	9.97	38.18	26.12	56.00	46.00	17.82	19.88	N
5	1.70065	24.08	12.91	10.00	34.08	22.91	56.00	46.00	21.92	23.09	N
6	18.67037	10.98	1.77	10.52	21.50	12.29	60.00	50.00	38.50	37.71	N
7	27.39861	13.37	3.09	10.63	24.00	13.72	60.00	50.00	36.00	36.28	N
8	0.15365	32.58	14.37	9.95	42.53	24.32	65.80	55.80	23.27	31.48	L
9	0.40904	31.38	22.75	9.96	41.34	32.71	57.67	47.67	16.33	14.96	L
10	0.76690	27.30	16.39	9.97	37.27	26.36	56.00	46.00	18.73	19.64	L
11	1.66763	26.06	12.95	10.01	36.07	22.96	56.00	46.00	19.93	23.04	L
12	5.59771	13.64	4.53	10.17	23.81	14.70	60.00	50.00	36.19	35.30	L
13	19.21023	11.19	1.59	10.51	21.70	12.10	60.00	50.00	38.30	37.90	L

AC Power-Line Conducted Emissions (Graph)

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

Results of Conducted Emission

DTNC

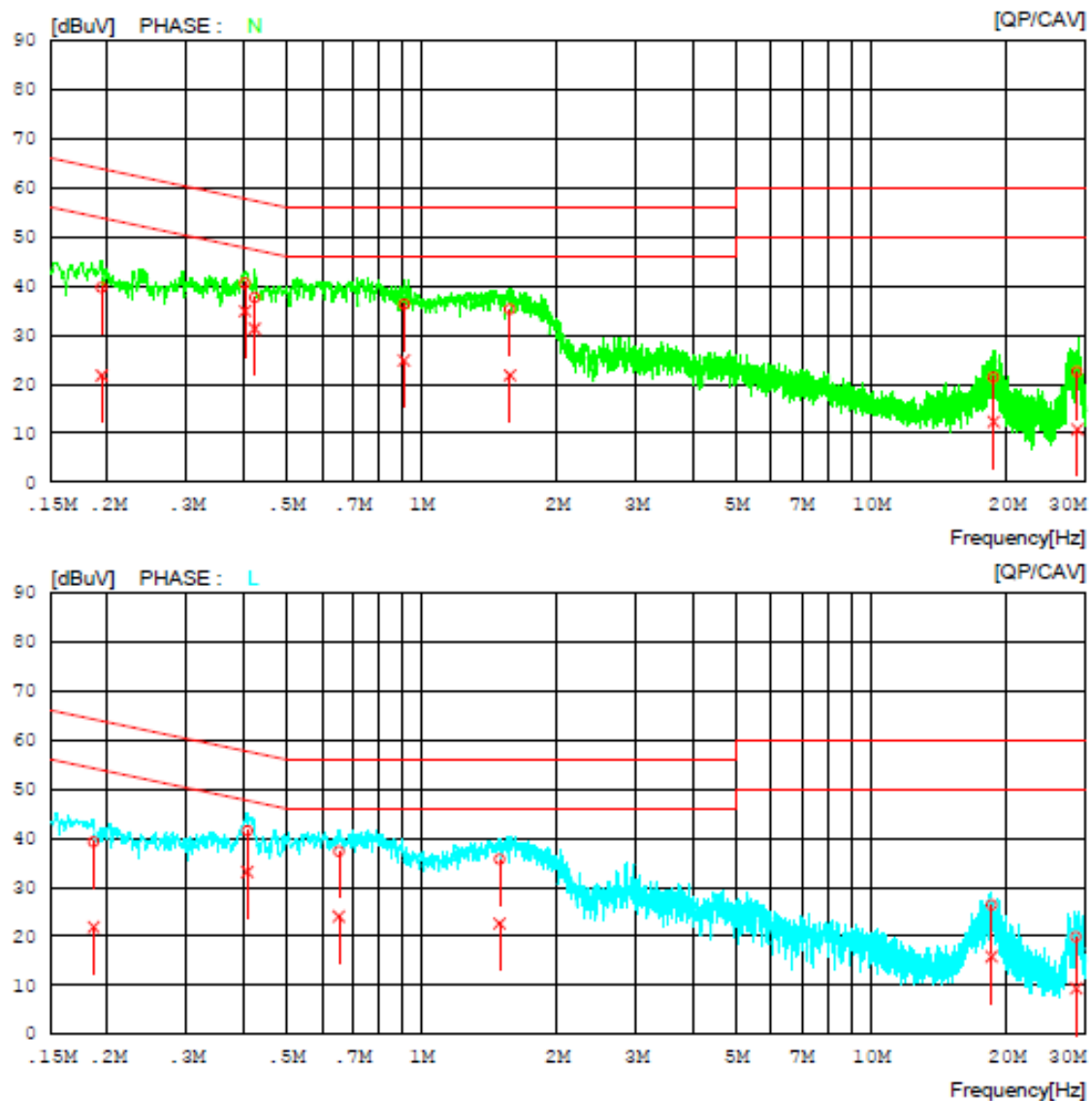
Date 2021-02-19

Order No.
Model No. PM30
Serial No.
Test Condition 5G WLAN (NII 2A)

Reference No.
Power Supply 120 V, 60 Hz
Temp/Humi. 23 °C / 35 %
Operator J.W.Kim

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 2021-02-19

Order No.		Reference No.	
Model No.	PM30	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 35 %
Test Condition	5G WLAN (NII 2A)	Operator	J.W.Kim

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	0.19420	29.78	11.77	9.94	39.72	21.71	63.85	53.85	24.13	32.14	N
2	0.40424	30.63	24.91	9.98	40.61	34.89	57.77	47.77	17.16	12.88	N
3	0.42486	27.66	21.35	9.98	37.64	31.33	57.35	47.35	19.71	16.02	N
4	0.91392	26.33	14.85	9.97	36.30	24.82	56.00	46.00	19.70	21.18	N
5	1.56945	25.22	11.82	10.00	35.22	21.82	56.00	46.00	20.78	24.18	N
6	18.69205	10.81	1.84	10.52	21.33	12.36	60.00	50.00	38.67	37.64	N
7	28.66783	11.82	0.13	10.64	22.46	10.77	60.00	50.00	37.54	39.23	N
8	0.18638	29.29	11.86	9.94	39.23	21.80	64.20	54.20	24.97	32.40	L
9	0.40947	31.45	23.12	9.96	41.41	33.08	57.66	47.66	16.25	14.58	L
10	0.65453	27.29	14.01	9.97	37.26	23.98	56.00	46.00	18.74	22.02	L
11	1.48917	25.69	12.58	10.00	35.69	22.58	56.00	46.00	20.31	23.42	L
12	18.48806	15.80	5.28	10.50	26.30	15.78	60.00	50.00	33.70	34.22	L
13	28.52448	9.30	-1.23	10.59	19.89	9.36	60.00	50.00	40.11	40.64	L

AC Power-Line Conducted Emissions (Graph)

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

Results of Conducted Emission

DTNC

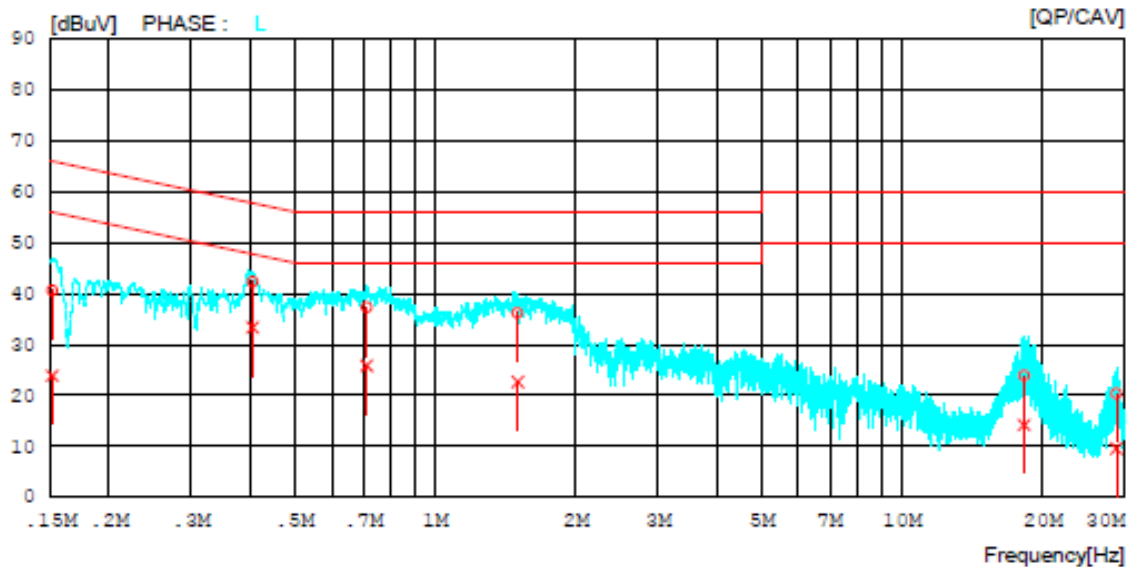
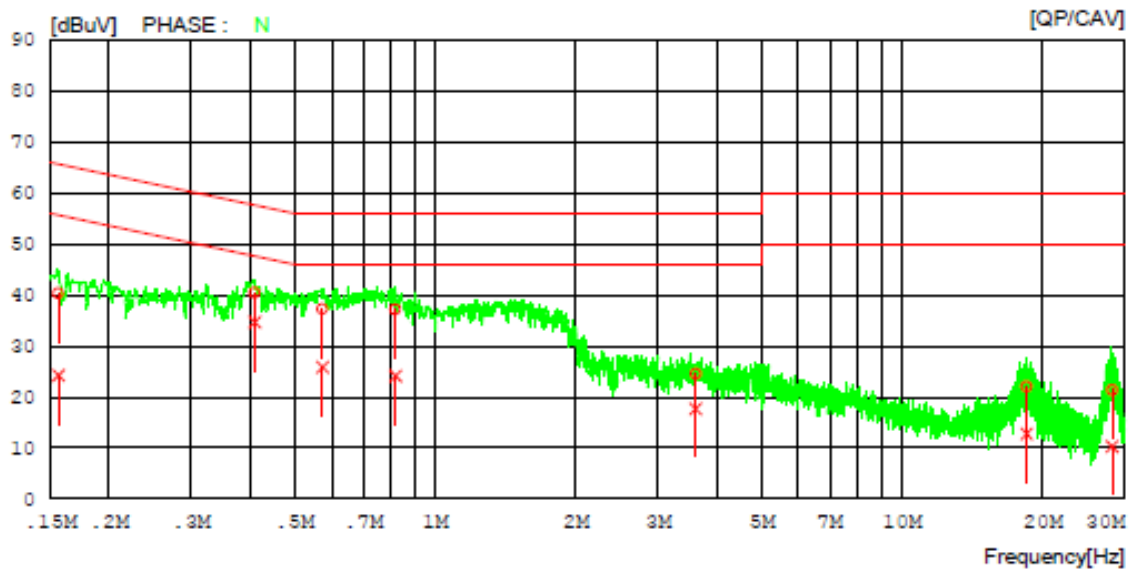
Date 2021-02-19

Order No.
Model No. PM30
Serial No.
Test Condition 5G WLAN (NII 2C)

Reference No.
Power Supply 120 V, 60 Hz
Temp/Humi. 23 °C / 35 %
Operator J.W.Kim

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 2021-02-19

Order No.		Reference No.	
Model No.	PM30	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 35 %
Test Condition	5G WLAN (NII 2C)	Operator	J.W.Kim

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	0.15571	30.37	14.34	9.94	40.31	24.28	65.69	55.69	25.38	31.41	N
2	0.41016	30.50	24.77	9.98	40.48	34.75	57.64	47.64	17.16	12.89	N
3	0.57301	27.30	15.83	9.98	37.28	25.81	56.00	46.00	18.72	20.19	N
4	0.82113	27.18	14.18	9.98	37.16	24.16	56.00	46.00	18.84	21.84	N
5	3.61176	14.47	7.63	10.09	24.56	17.72	56.00	46.00	31.44	28.28	N
6	18.45696	11.53	2.24	10.52	22.05	12.76	60.00	50.00	37.95	37.24	N
7	28.13382	10.72	-0.31	10.65	21.37	10.34	60.00	50.00	38.63	39.66	N
8	0.15117	30.55	13.87	9.95	40.50	23.82	65.94	55.94	25.44	32.12	L
9	0.40613	32.28	23.33	9.96	42.24	33.29	57.73	47.73	15.49	14.44	L
10	0.71289	27.25	15.81	9.96	37.21	25.77	56.00	46.00	18.79	20.23	L
11	1.50095	26.04	12.61	10.01	36.05	22.62	56.00	46.00	19.95	23.38	L
12	18.23186	13.33	3.67	10.50	23.83	14.17	60.00	50.00	36.17	35.83	L
13	28.74321	9.74	-1.05	10.59	20.33	9.54	60.00	50.00	39.67	40.46	L

AC Power-Line Conducted Emissions (Graph)

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

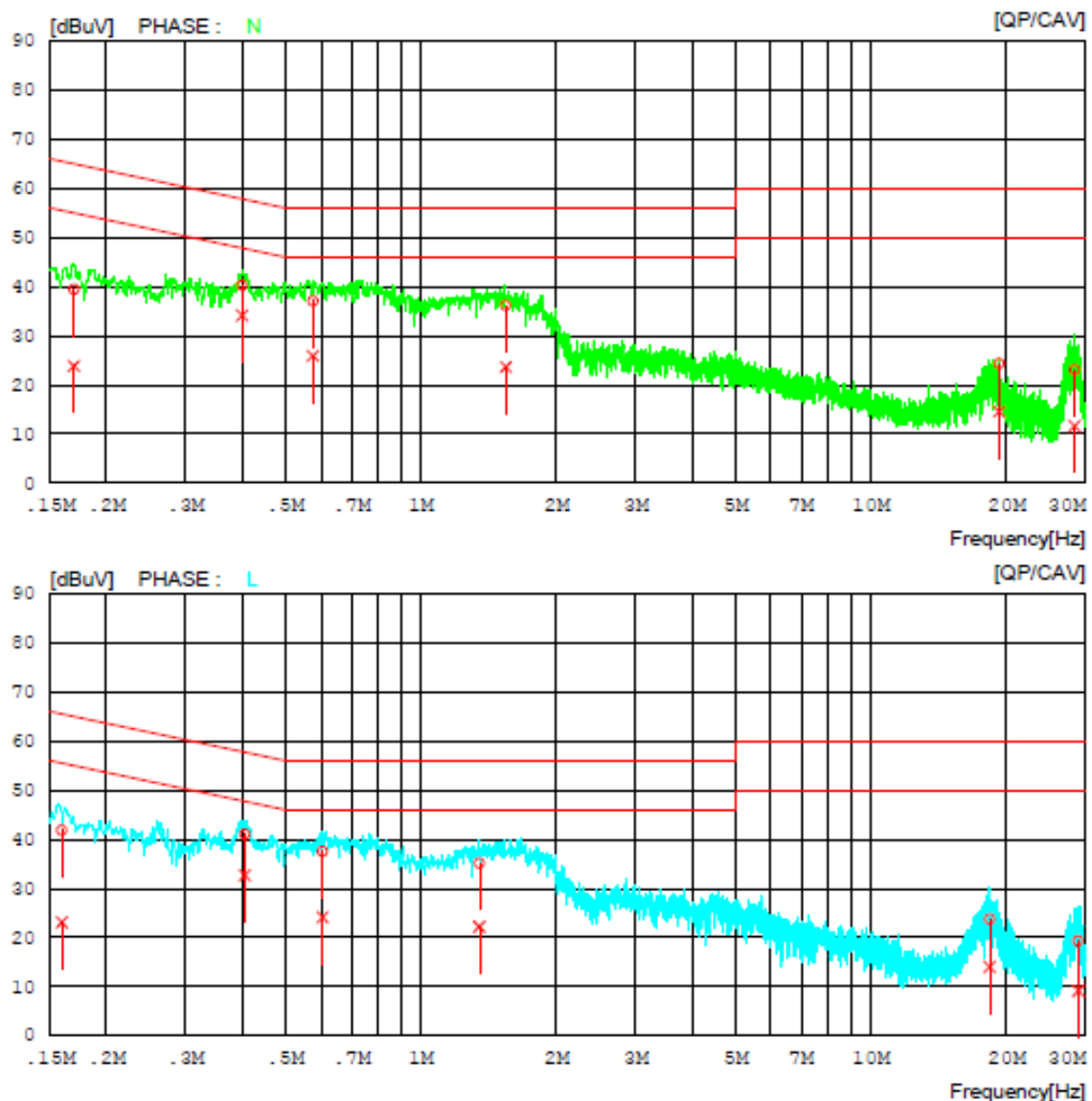
Results of Conducted Emission

DTNC

Date 2021-02-19

Order No.
Model No.
Serial No.
Test ConditionPM30
5G WLAN (NII 3)Reference No.
Power Supply
Temp/Humi.
Operator120 V, 60 Hz
23 °C / 35 %
J.W.Kim

Memo

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

AC Power-Line Conducted Emissions (Data List)

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

Results of Conducted Emission

DTNC

Date 2021-02-19

Order No.		Reference No.	
Model No.	PM30	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 35 %
Test Condition	5G WLAN (NII 3)	Operator	J.W.Kim

Memo

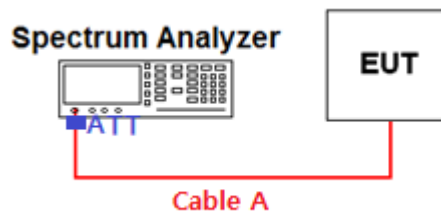
LIMIT : FCC P15.207 QP
FCC P15.207 AV

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	0.16931	29.43	13.94	9.95	39.38	23.89	64.99	54.99	25.61	31.10	N
2	0.40035	30.24	24.21	9.98	40.22	34.19	57.85	47.85	17.63	13.66	N
3	0.57517	27.09	15.92	9.98	37.07	25.90	56.00	46.00	18.93	20.10	N
4	1.54277	26.13	13.64	10.00	36.13	23.64	56.00	46.00	19.87	22.36	N
5	19.24097	13.79	4.00	10.54	24.33	14.54	60.00	50.00	35.67	35.46	N
6	28.29288	12.37	1.00	10.65	23.02	11.65	60.00	50.00	36.98	38.35	N
7	0.15933	31.86	13.17	9.95	41.81	23.12	65.50	55.50	23.69	32.38	L
8	0.40617	31.03	22.64	9.96	40.99	32.60	57.73	47.73	16.74	15.13	L
9	0.60452	27.51	14.15	9.98	37.49	24.13	56.00	46.00	18.51	21.87	L
10	1.34749	25.11	12.19	9.99	35.10	22.18	56.00	46.00	20.90	23.82	L
11	18.33387	13.16	3.50	10.50	23.66	14.00	60.00	50.00	36.34	36.00	L
12	28.86087	8.73	-1.51	10.59	19.32	9.08	60.00	50.00	40.68	40.92	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.)

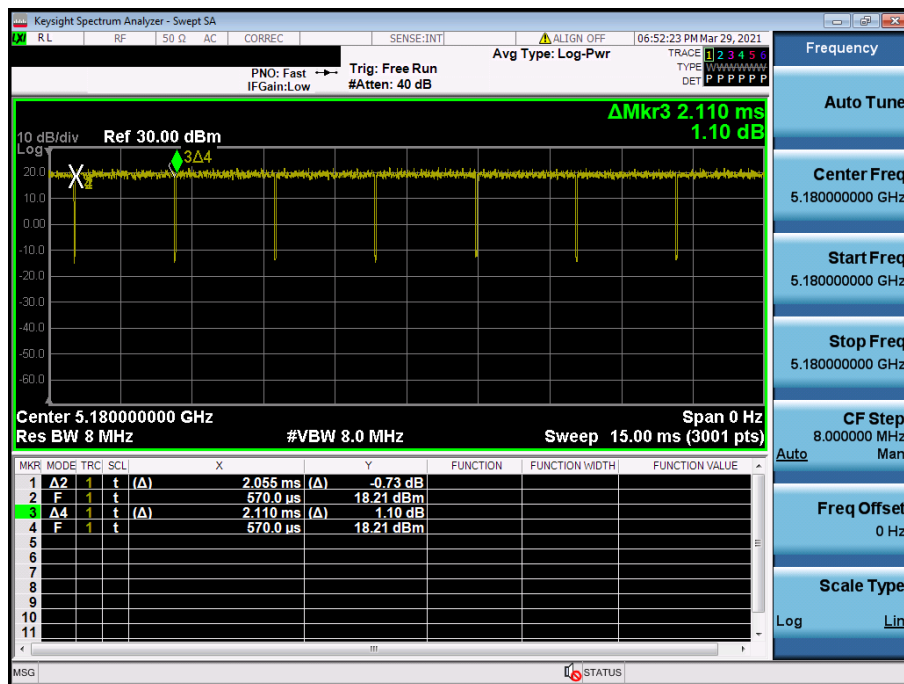
T : The minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

(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:

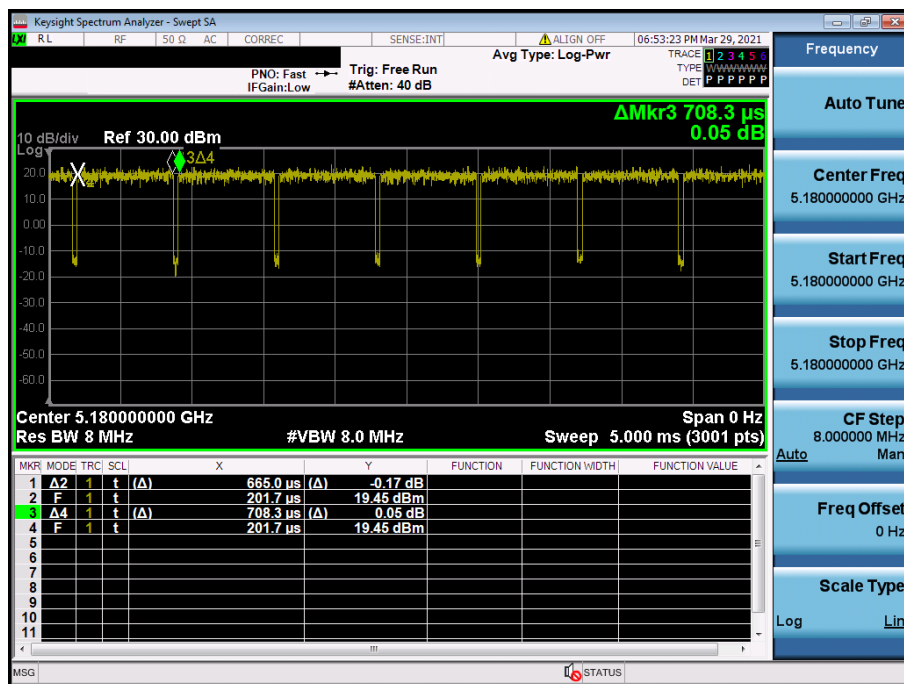
Duty Cycle

Test Mode: TM1 & Ch.36



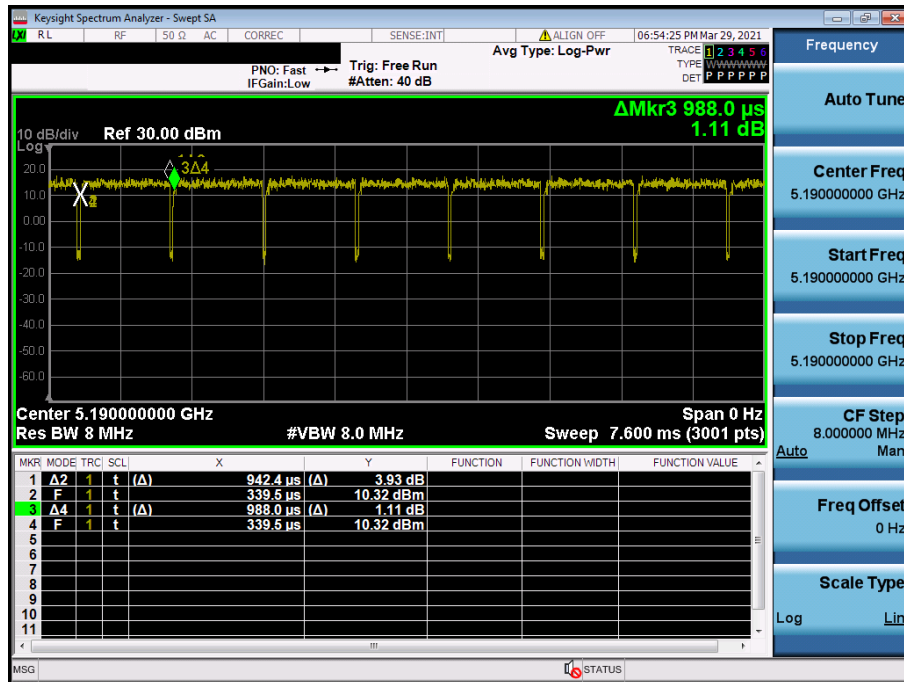
Duty Cycle

Test Mode: TM 2 & Ch.36



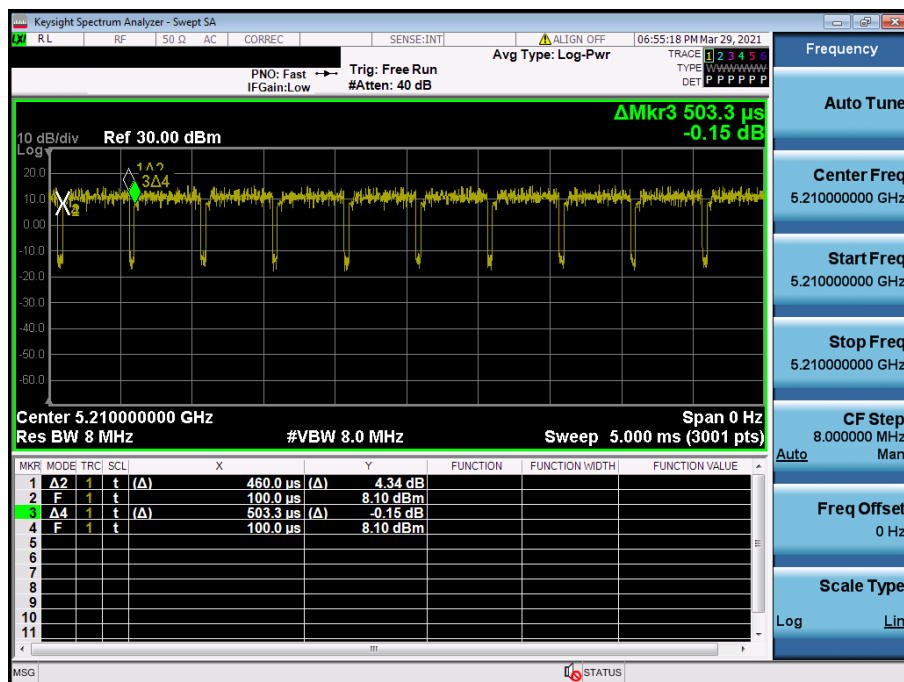
Duty Cycle

Test Mode: TM 3 & Ch.38



Duty Cycle

Test Mode: TM 4 & Ch.42

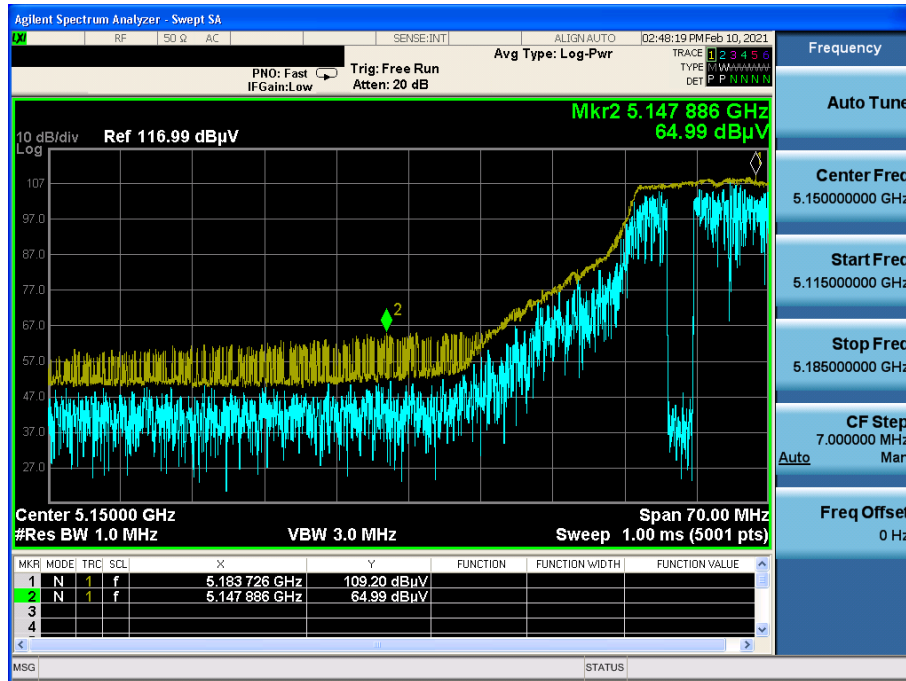


APPENDIX III

Unwanted Emissions (Radiated) Test Plot:

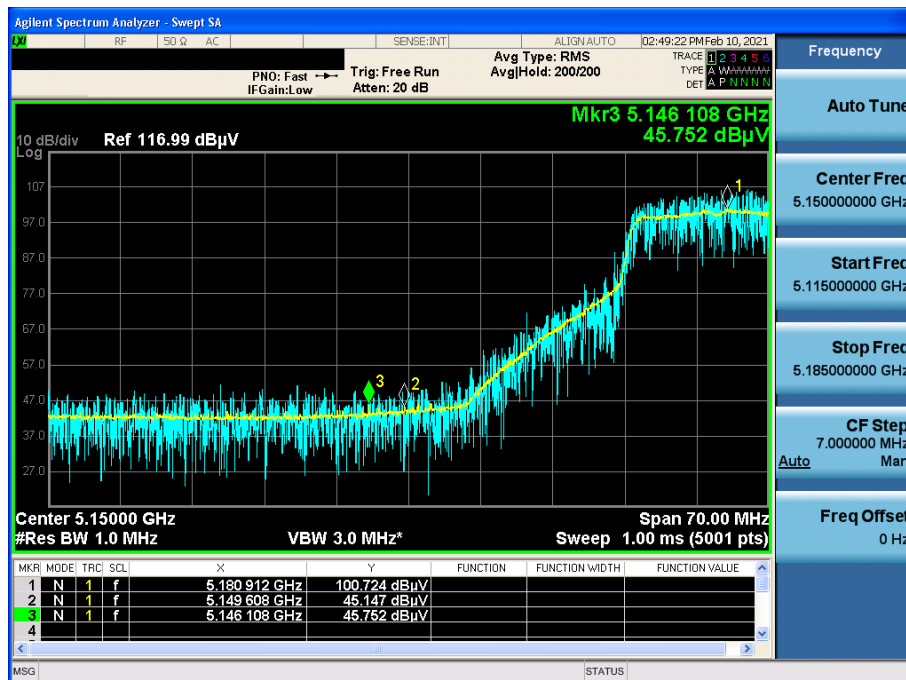
TM 1 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : PK

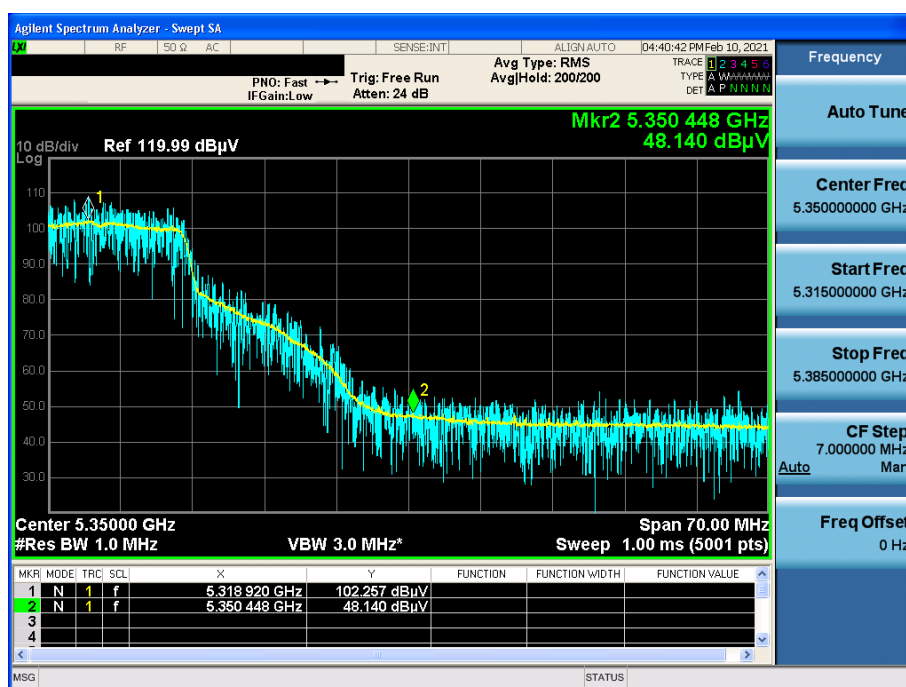


TM 1 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : AV

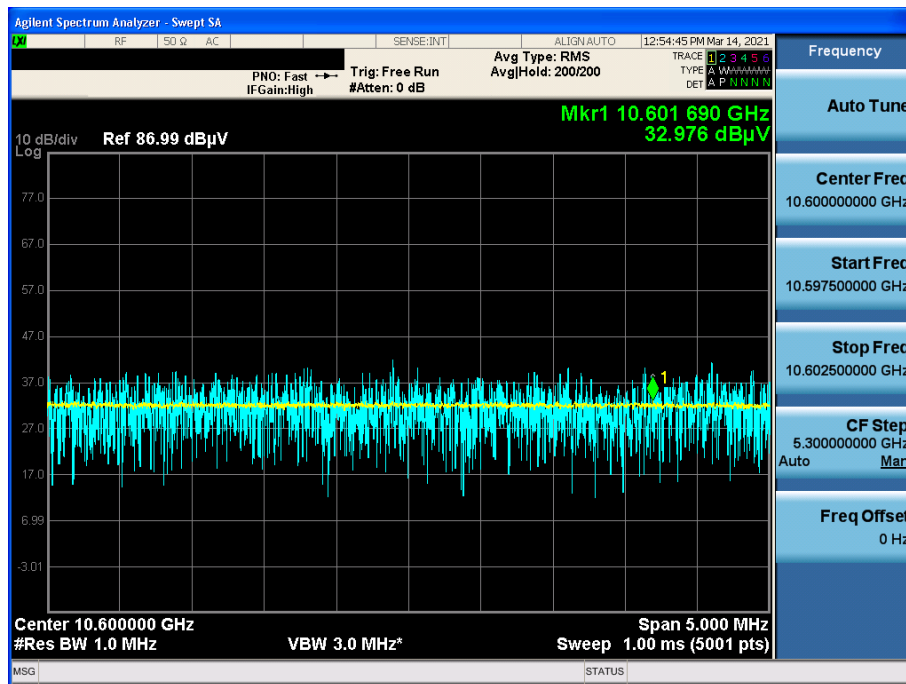


Detector Mode : PK



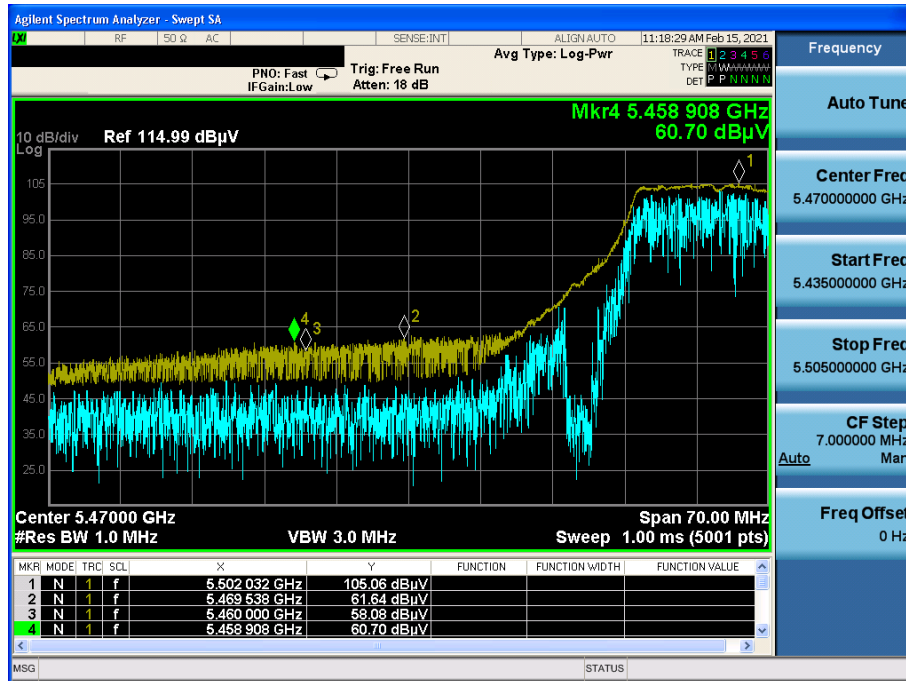
TM 1 & U-NII 2A & 5 300 & Z axis & Hor

Detector Mode : AV



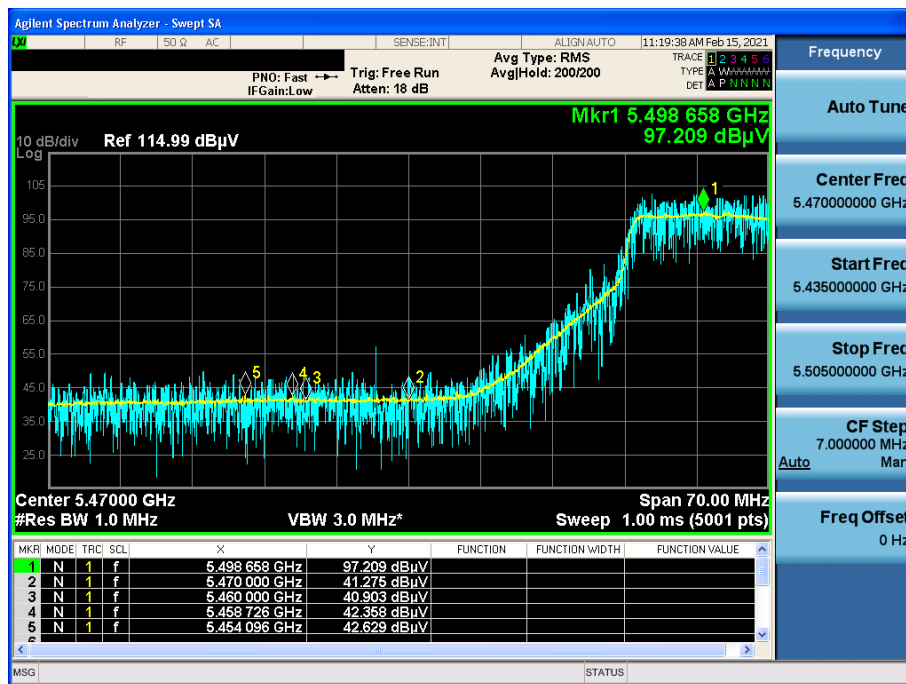
TM 1 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : PK



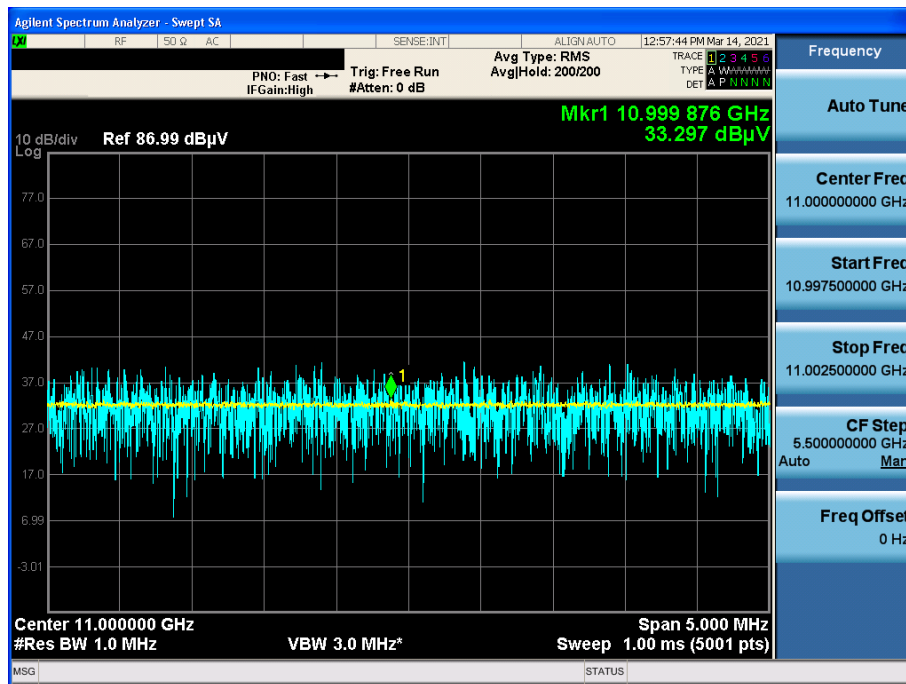
TM 1 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : AV



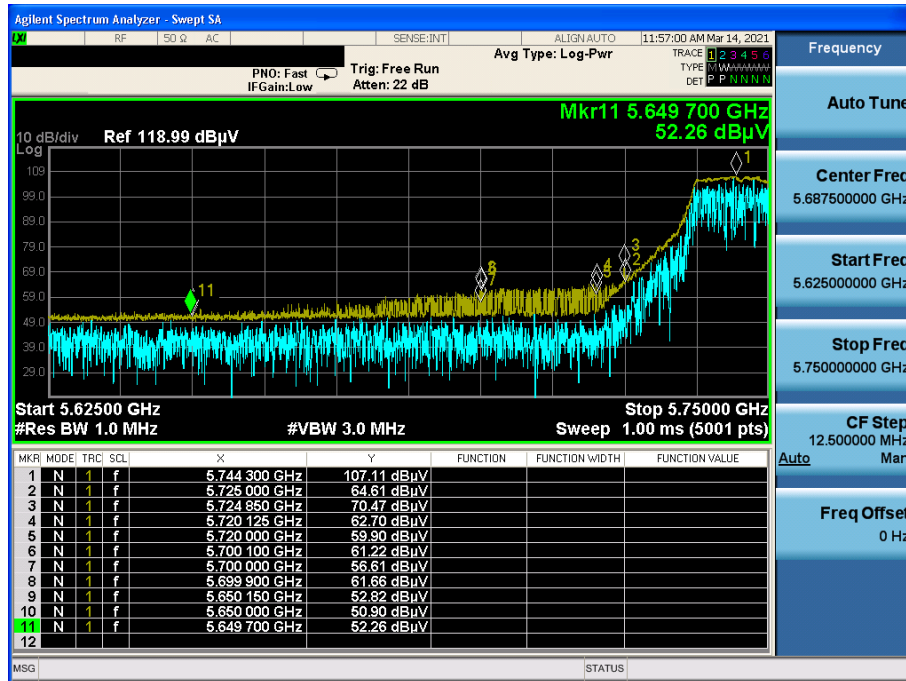
TM 1 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : AV



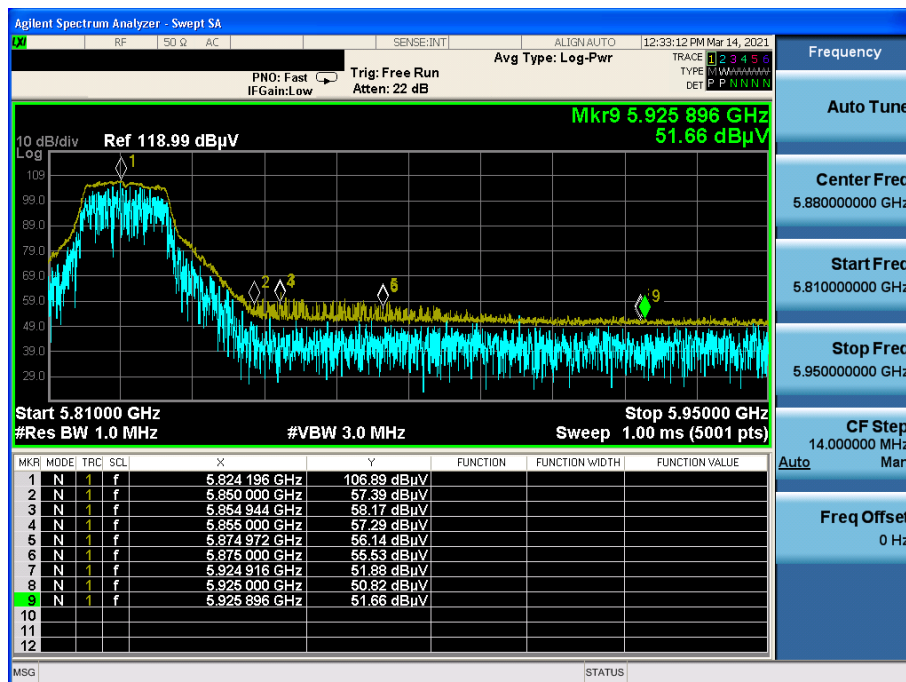
TM 1 & U-NII 3 & 5745 & Z axis & Hor

Detector Mode : PK



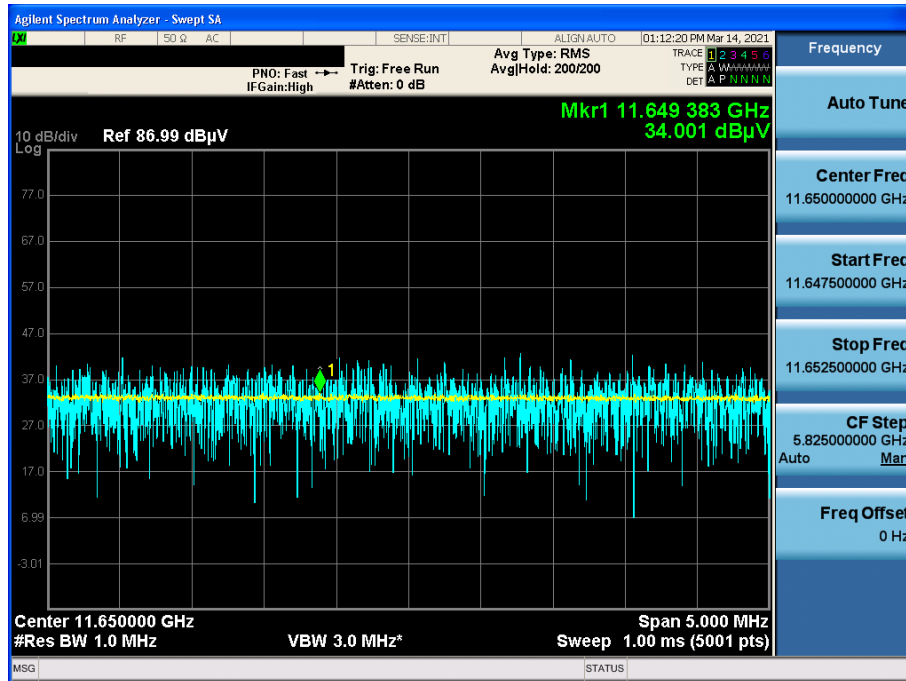
TM 1 & U-NII 3 & 5825 & Z axis & Hor

Detector Mode : PK



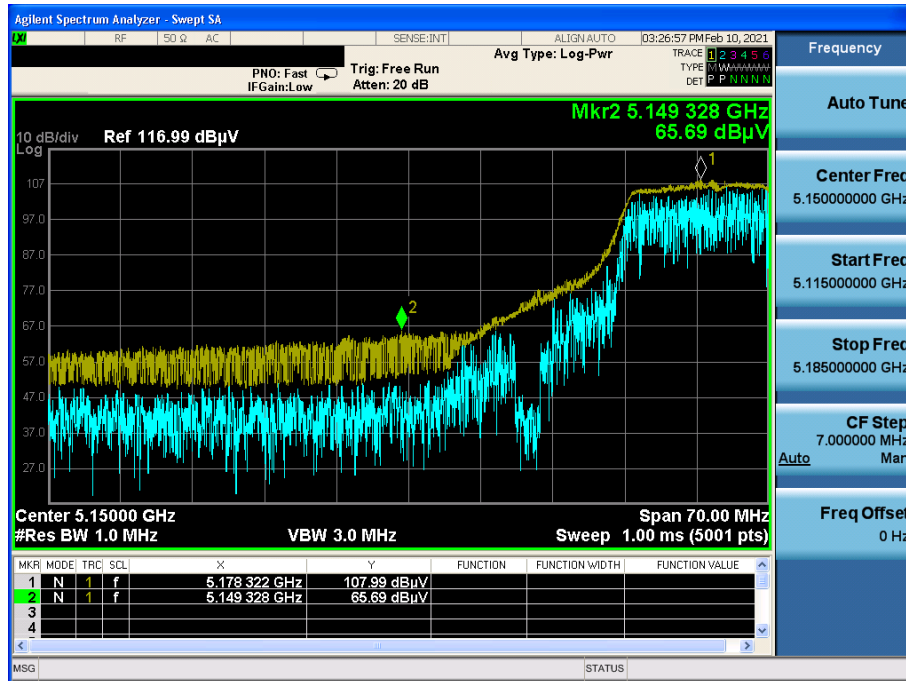
TM 1 & U-NII 3 & 5 825 & Z axis & Hor

Detector Mode : AV



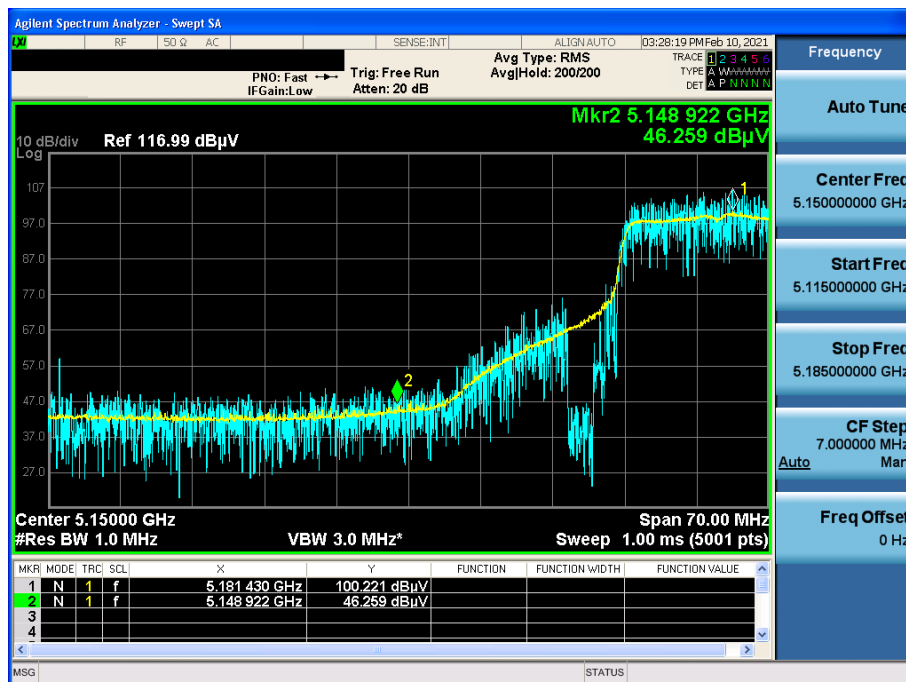
TM 2 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : PK



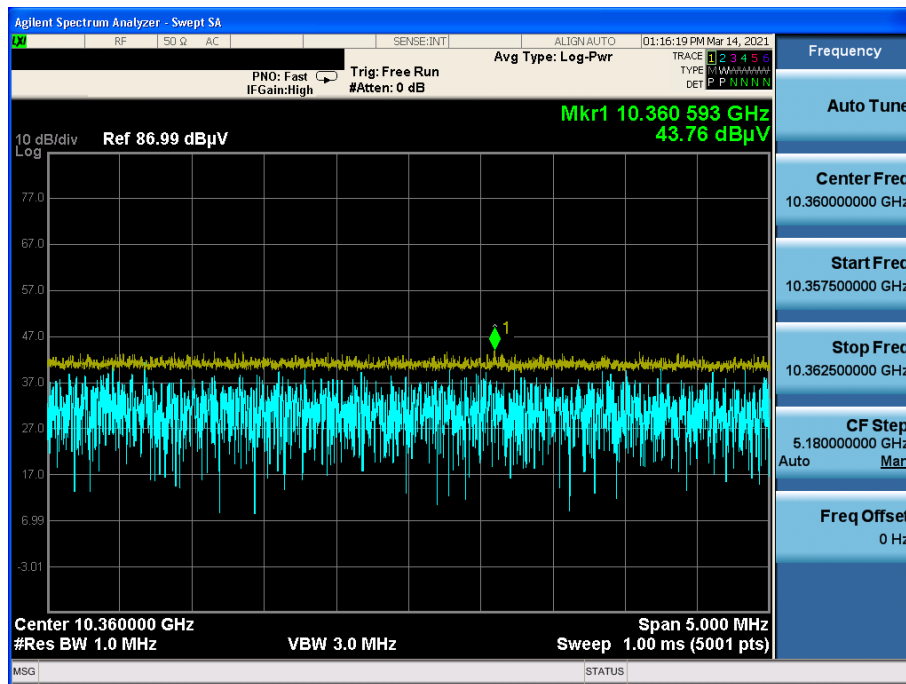
TM 2 & U-NII 1 & 5 180 & Z axis & Hor

Detector Mode : AV



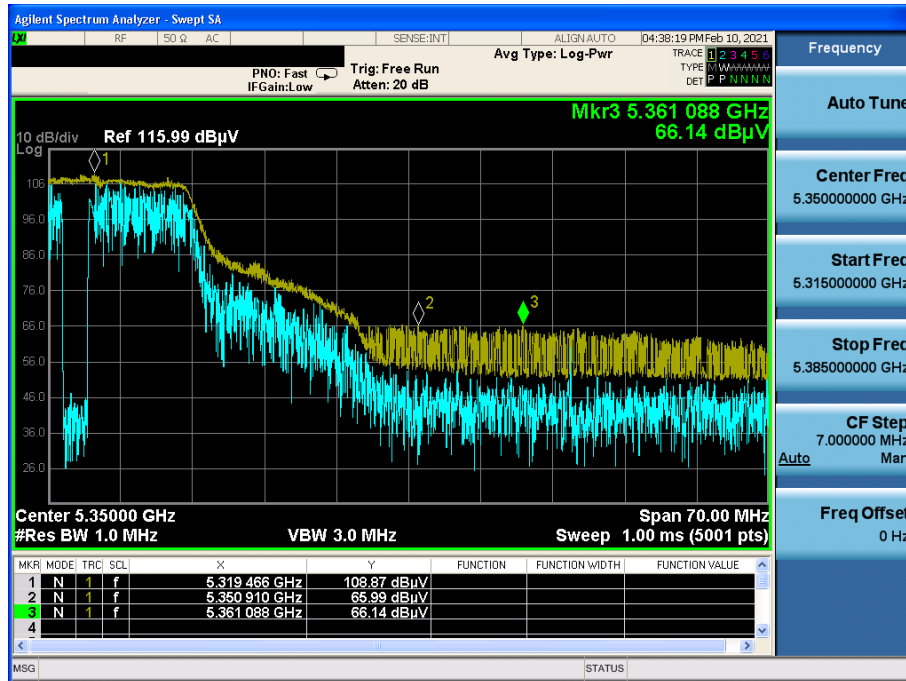
TM 2 & U-NII 1 & 5180 & Z axis & Hor

Detector Mode : PK



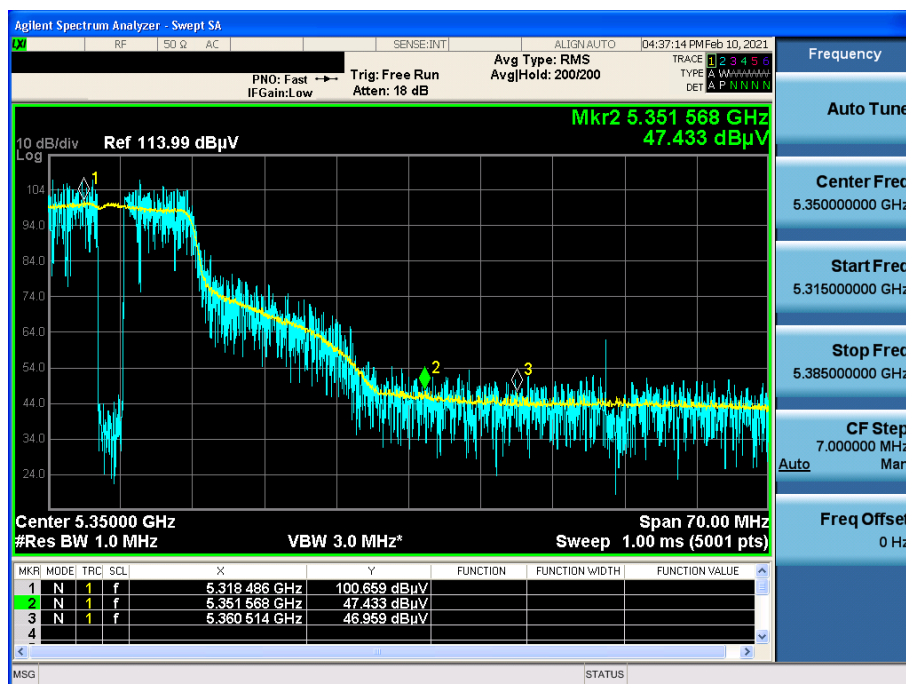
TM 2 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : PK



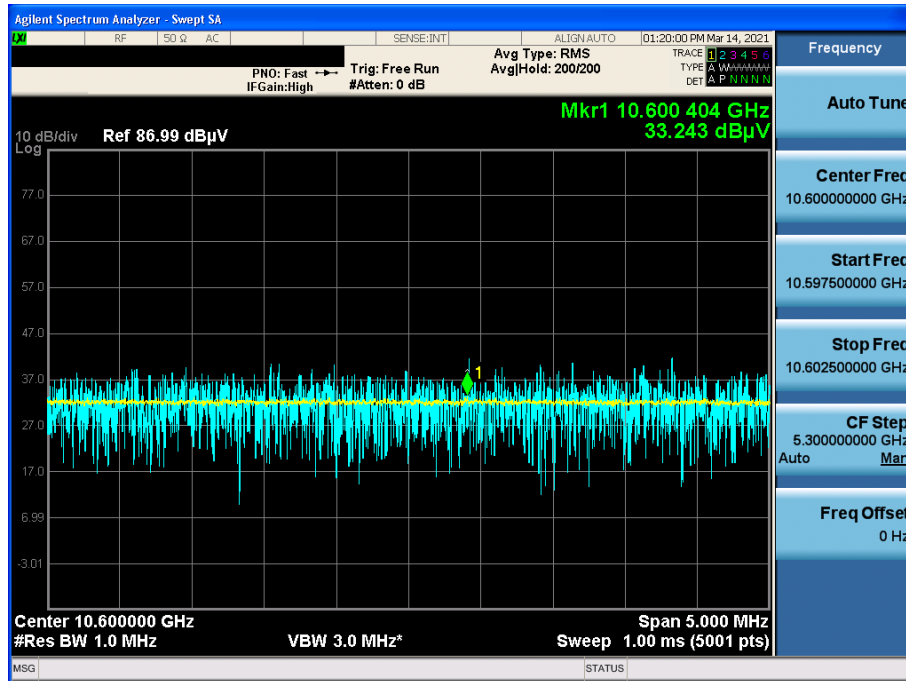
TM 2 & U-NII 2A & 5 320 & Z axis & Hor

Detector Mode : AV



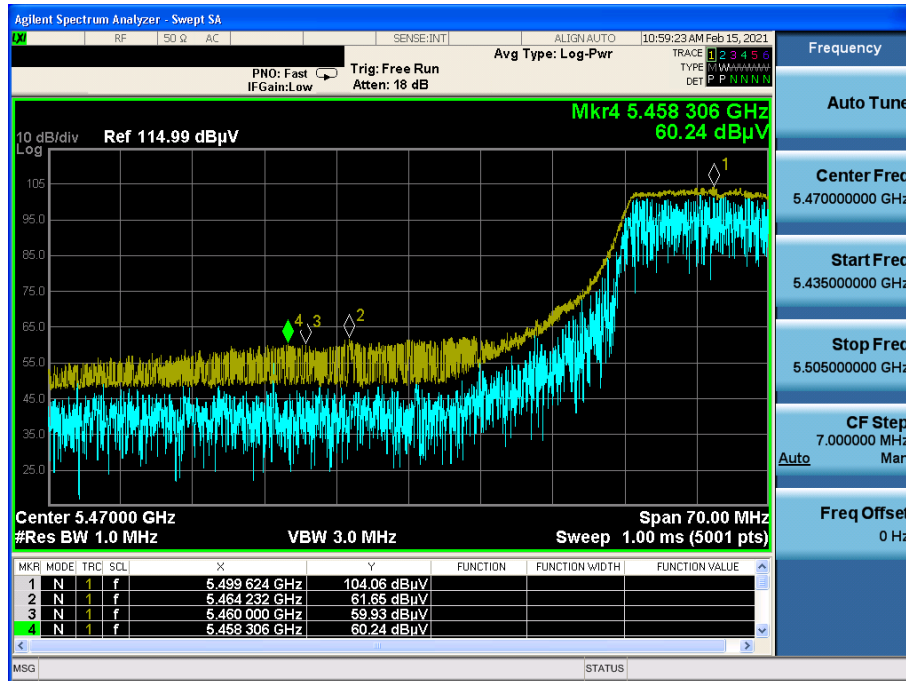
TM 2 & U-NII 2A & 5 300 & Z axis & Hor

Detector Mode : AV



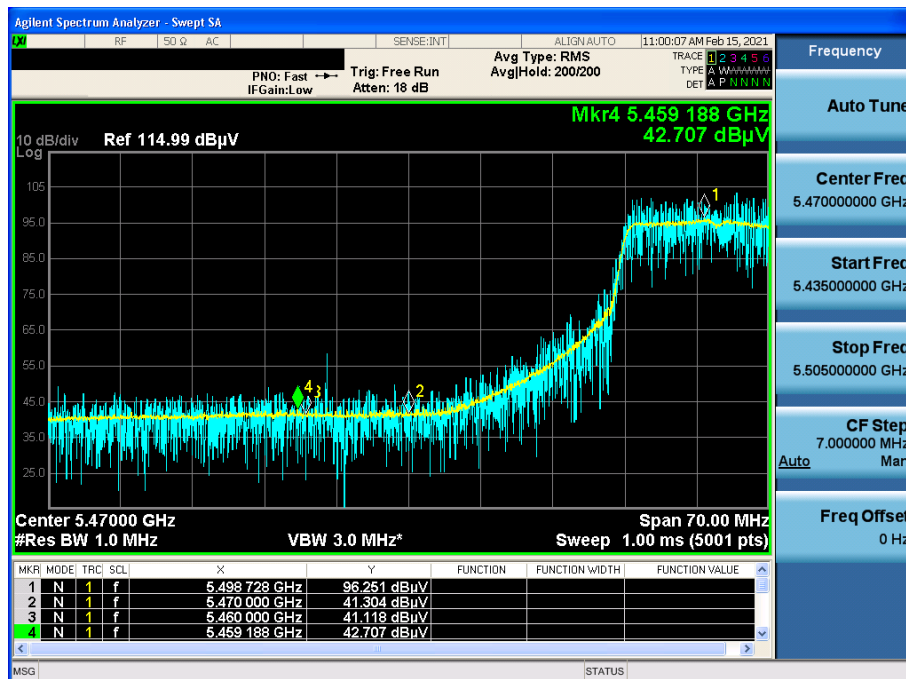
TM 2 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : PK



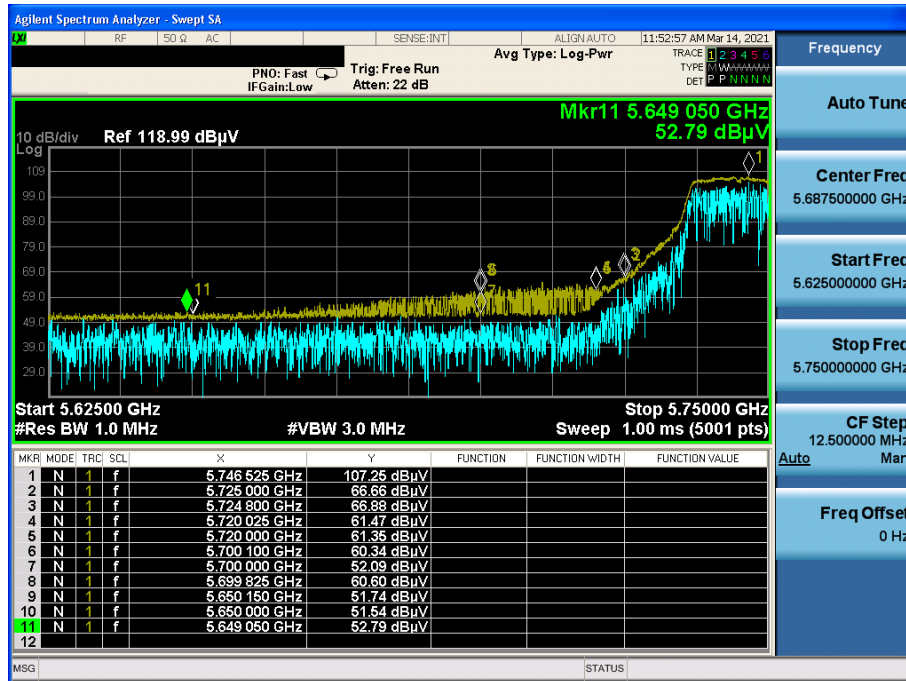
TM 2 & U-NII 2C & 5 500 & Z axis & Hor

Detector Mode : AV



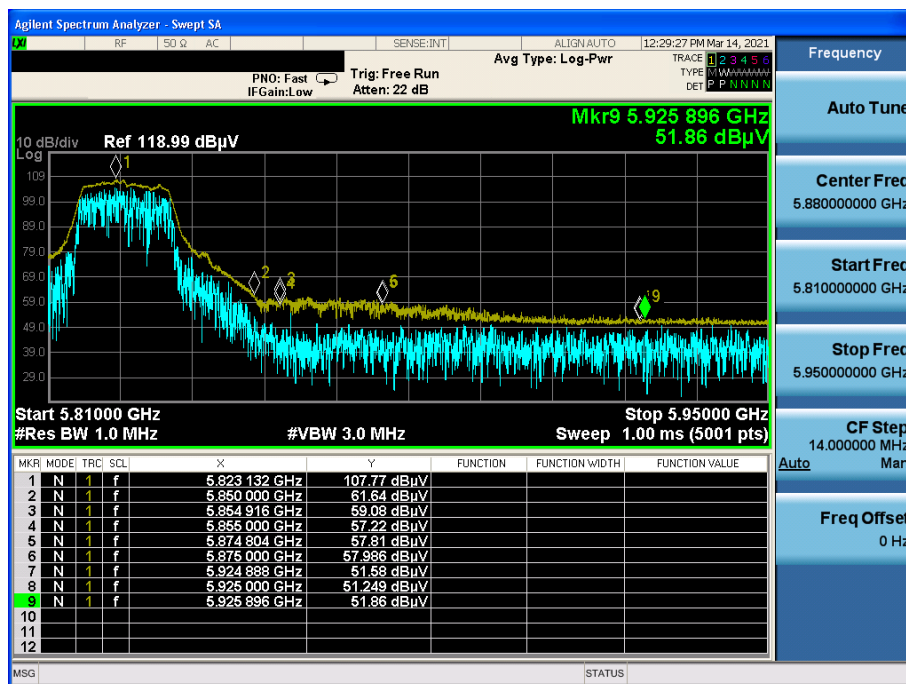
TM 2 & U-NII 3 & 5745 & Z axis & Hor

Detector Mode : PK



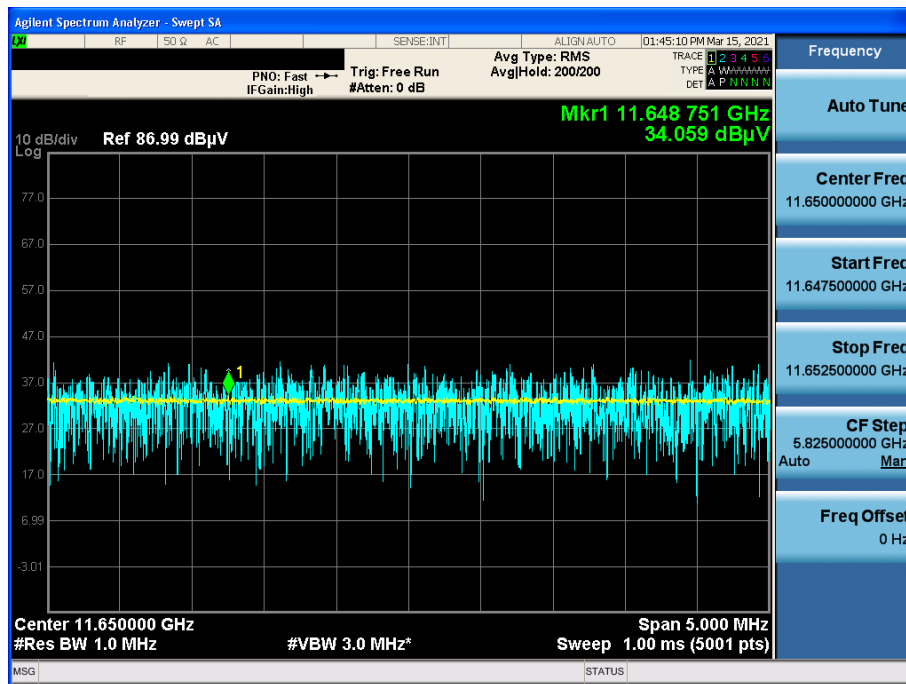
TM 2 & U-NII 3 & 5825 & Z axis & Hor

Detector Mode : PK



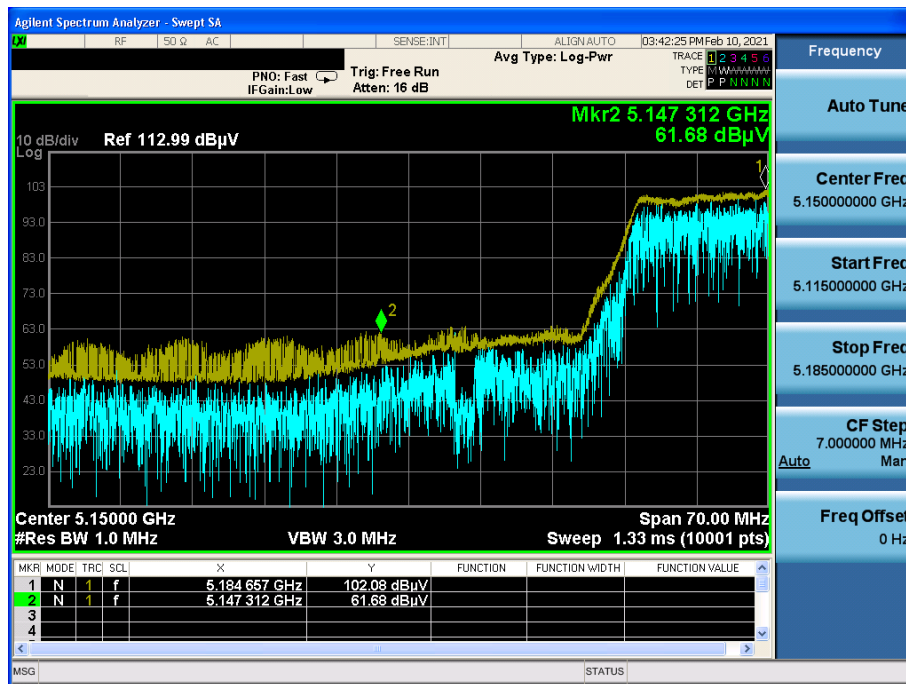
TM 2 & U-NII 3 & 5 825 & Z axis & Hor

Detector Mode : AV



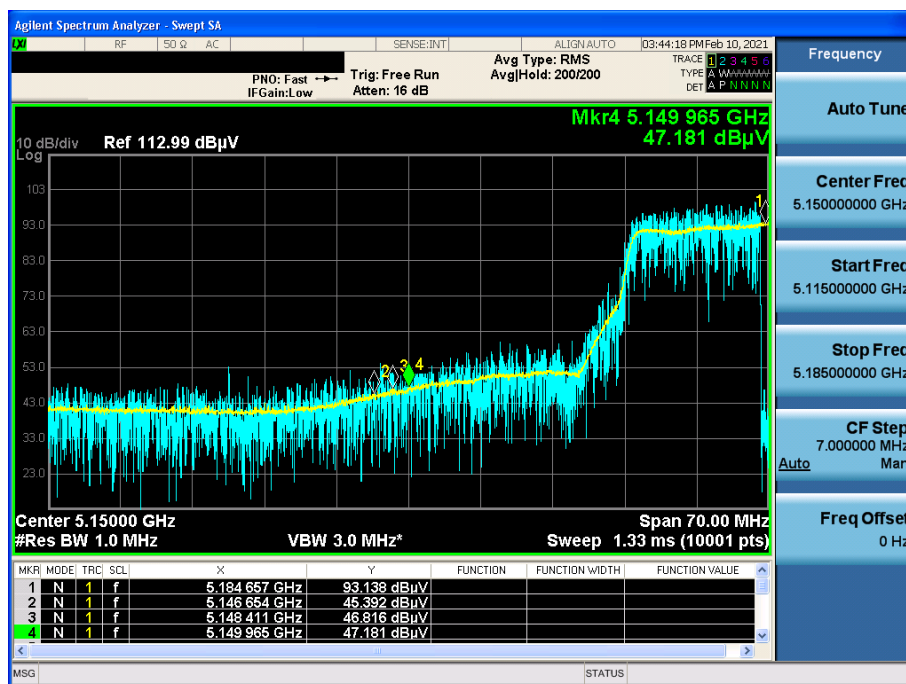
TM 3 & U-NII 1 & 5 190 & Z axis & Hor

Detector Mode : PK



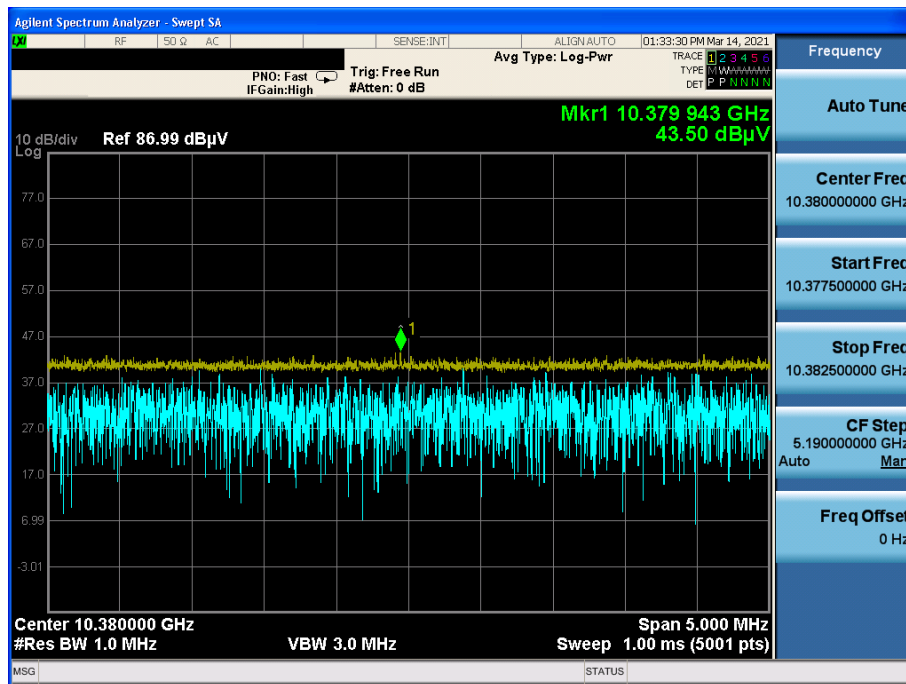
TM 3 & U-NII 1 & 5 190 & Z axis & Hor

Detector Mode : AV



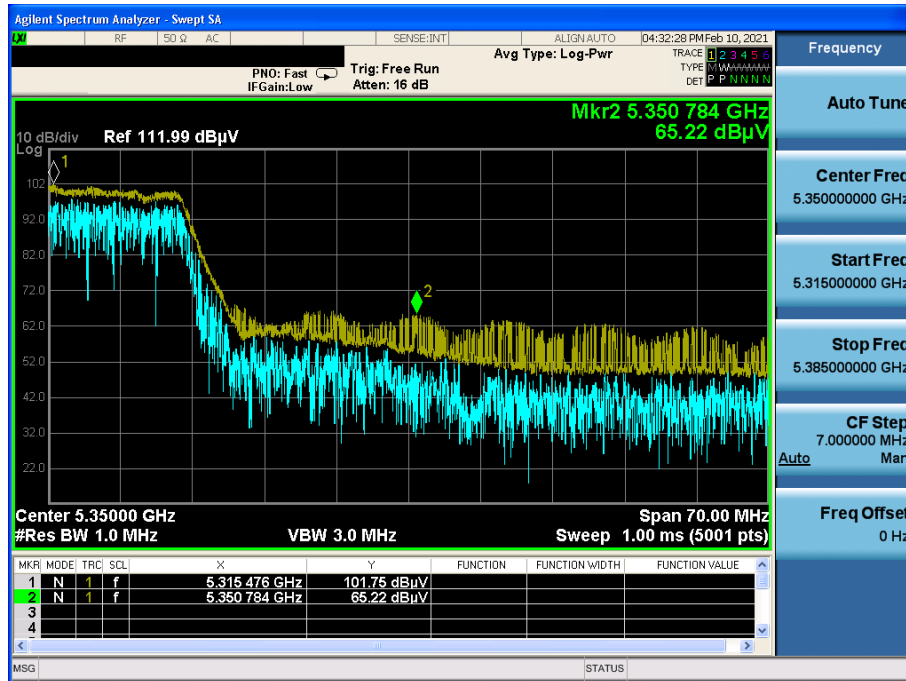
TM 3 & U-NII 1 & 5 190 & Z axis & Hor

Detector Mode : PK



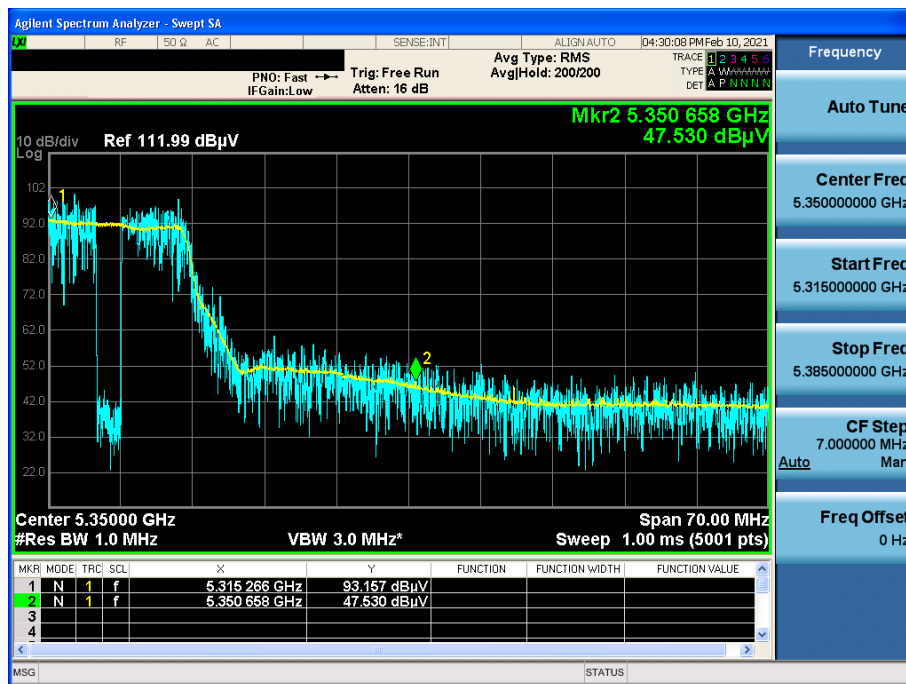
TM 3 & U-NII 2A & 5 310 & Z axis & Hor

Detector Mode : PK



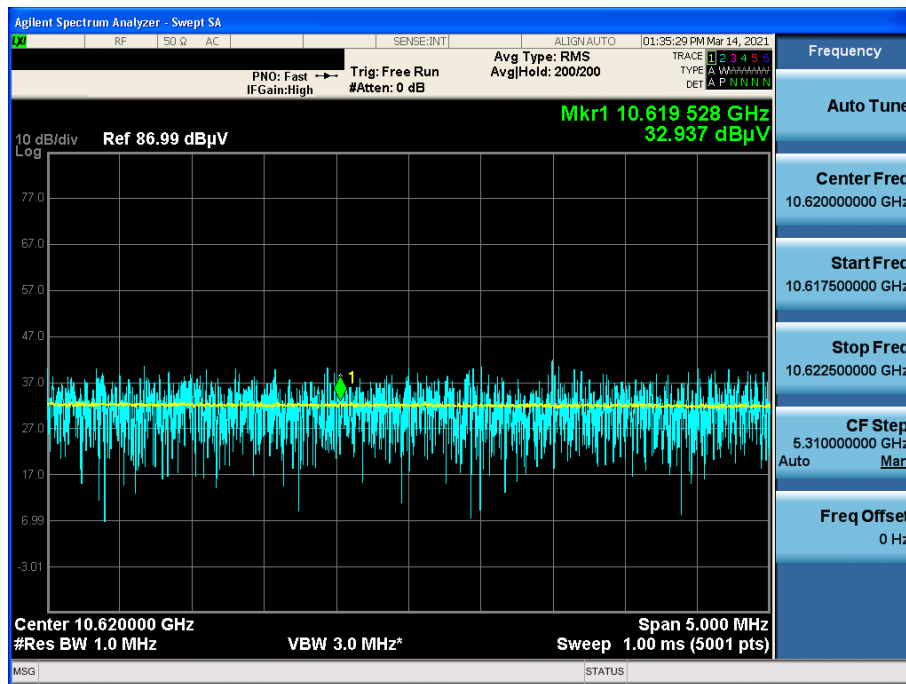
TM 3 & U-NII 2A & 5 310 & Z axis & Hor

Detector Mode : AV



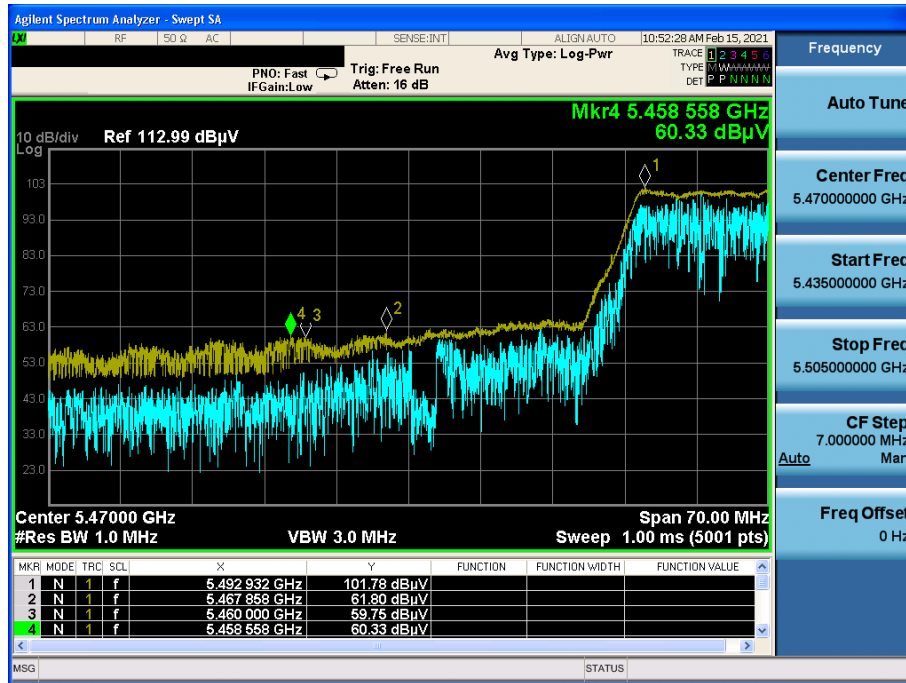
TM 3 & U-NII 2A & 5 310 & Z axis & Hor

Detector Mode : AV



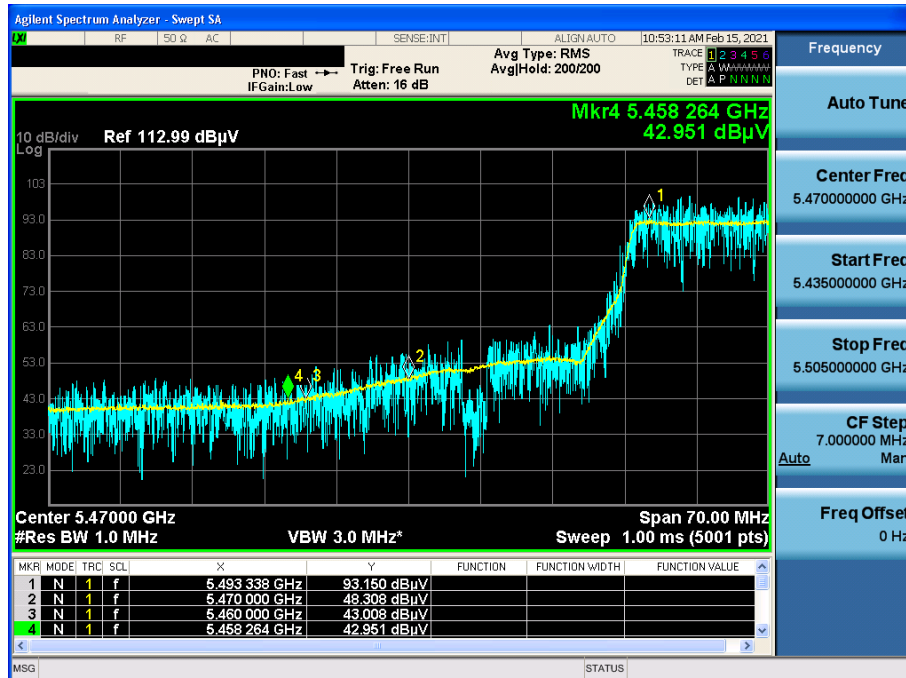
TM 3 & U-NII 2C & 5 510 & Z axis & Hor

Detector Mode : PK



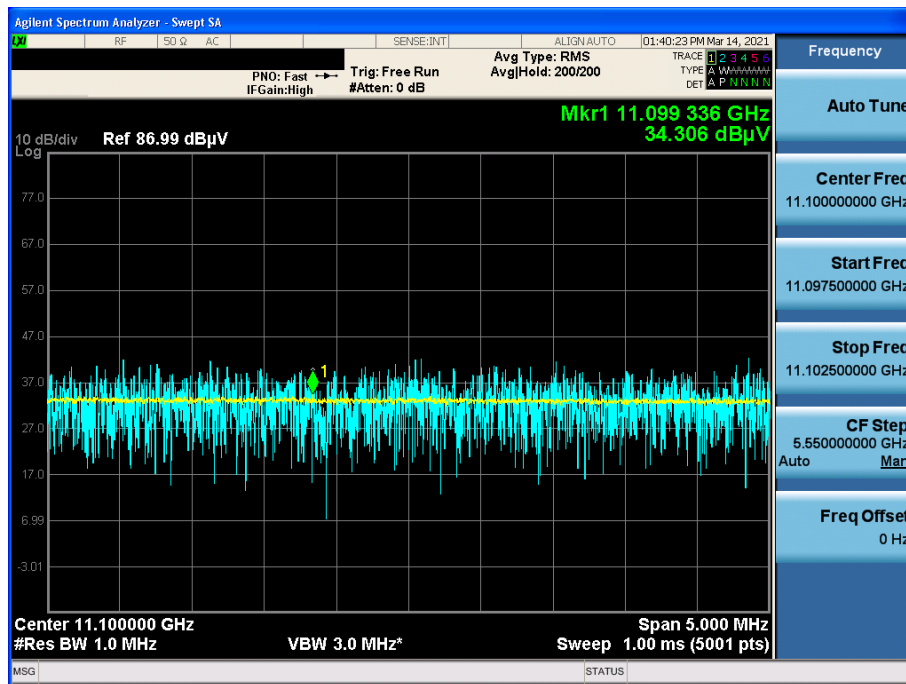
TM 3 & U-NII 2C & 5 510 & Z axis & Hor

Detector Mode : AV



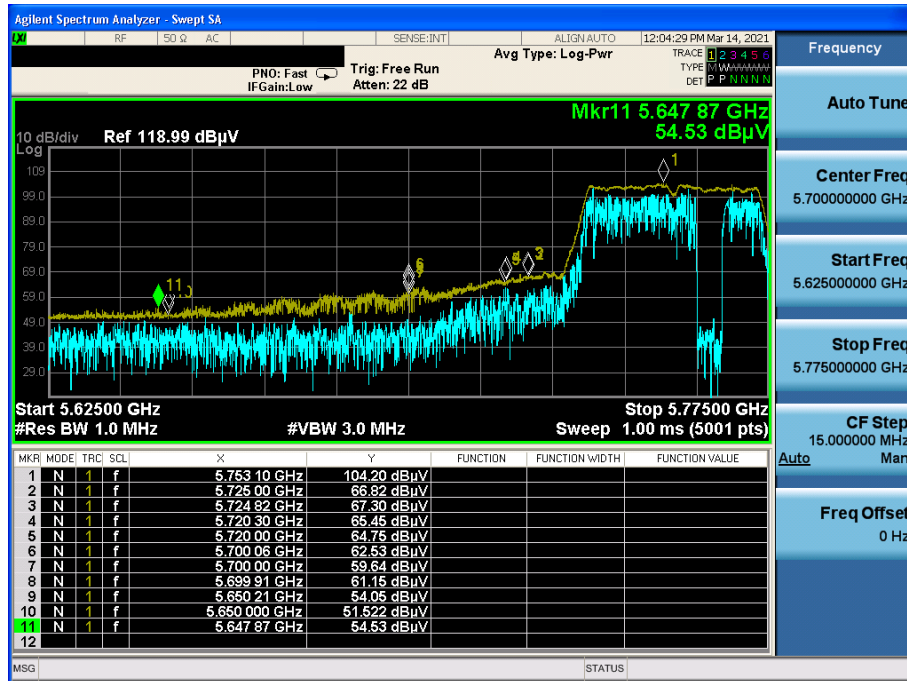
TM 3 & U-NII 2C & 5 550 & Z axis & Hor

Detector Mode : AV



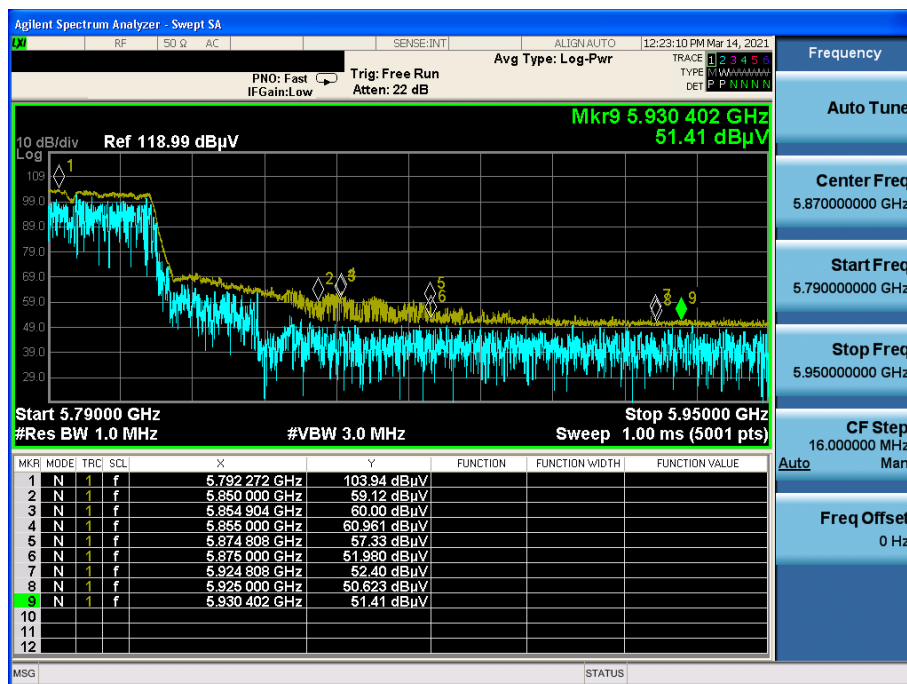
TM 3 & U-NII 3 & 5 755 & Z axis & Hor

Detector Mode : PK



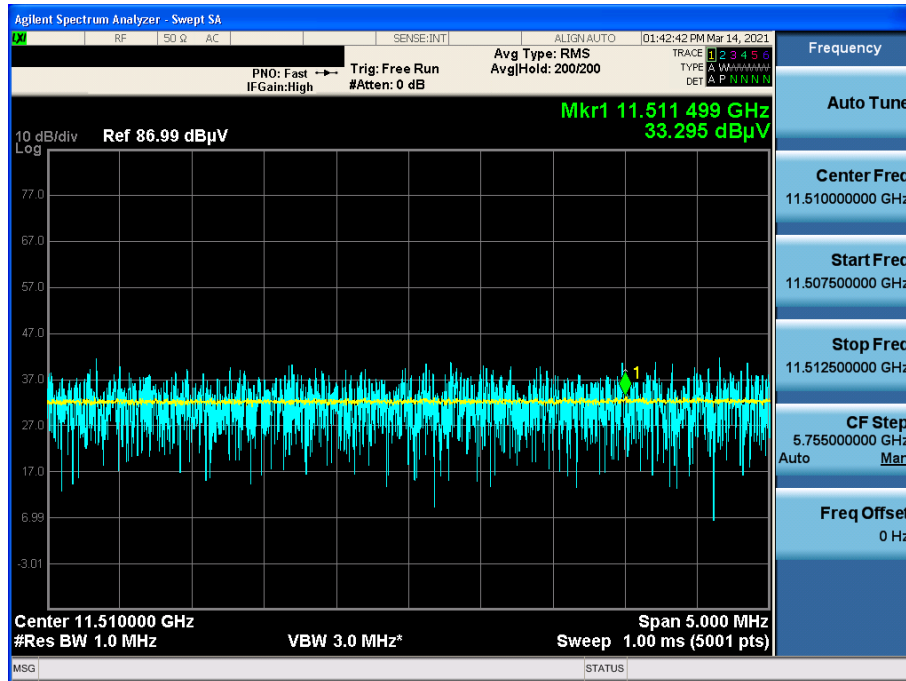
TM 3 & U-NII 3 & 5 795 & Z axis & Hor

Detector Mode : PK



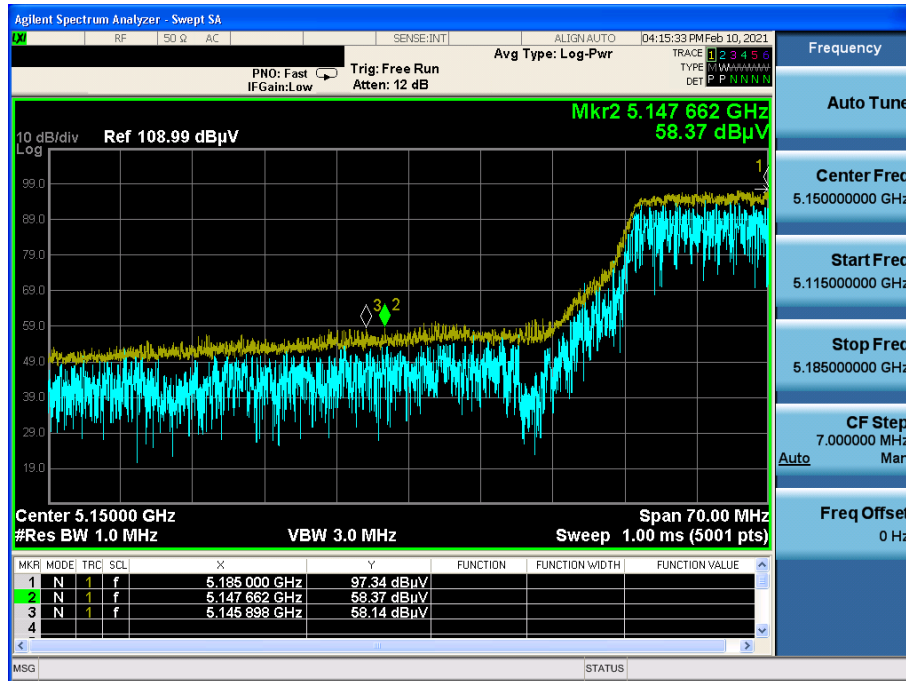
TM 3 & U-NII 3 & 5755 & Z axis & Hor

Detector Mode : AV



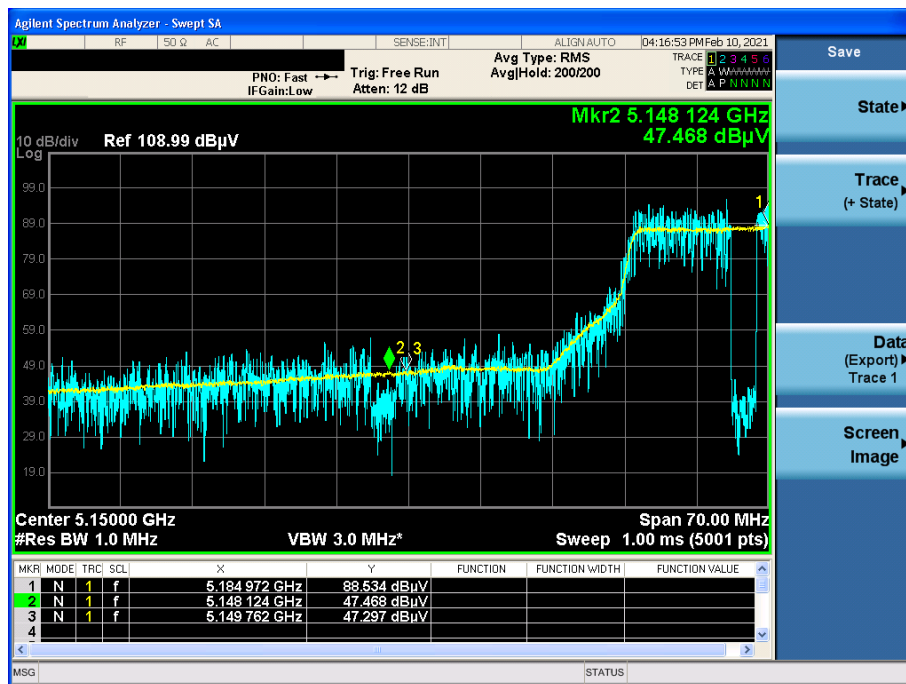
TM 4 & U-NII 1 & 5 210 & Z axis & Hor

Detector Mode : PK



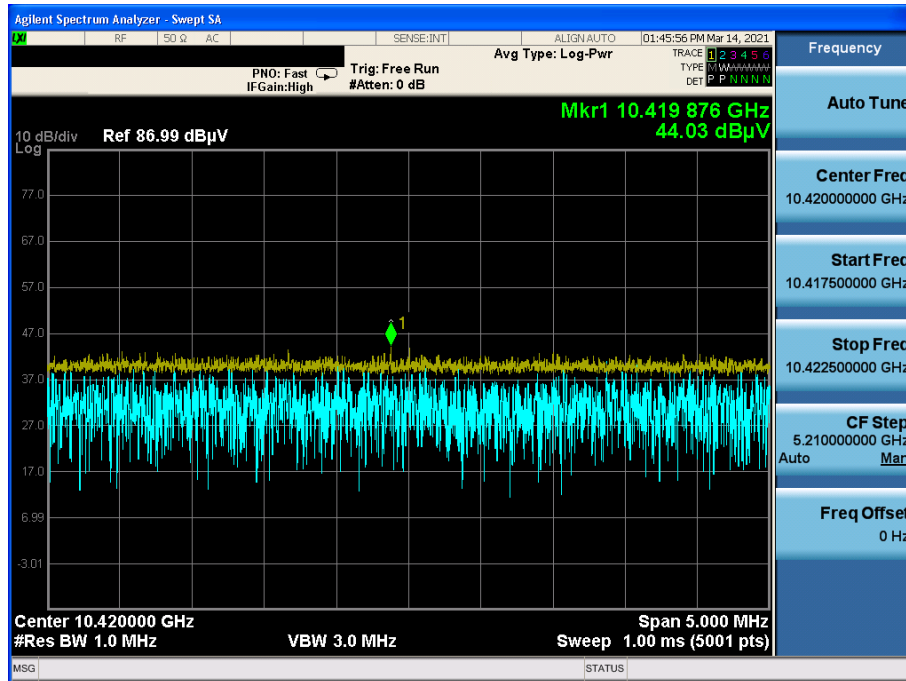
TM 4 & U-NII 1 & 5 210 & Z axis & Hor

Detector Mode : AV



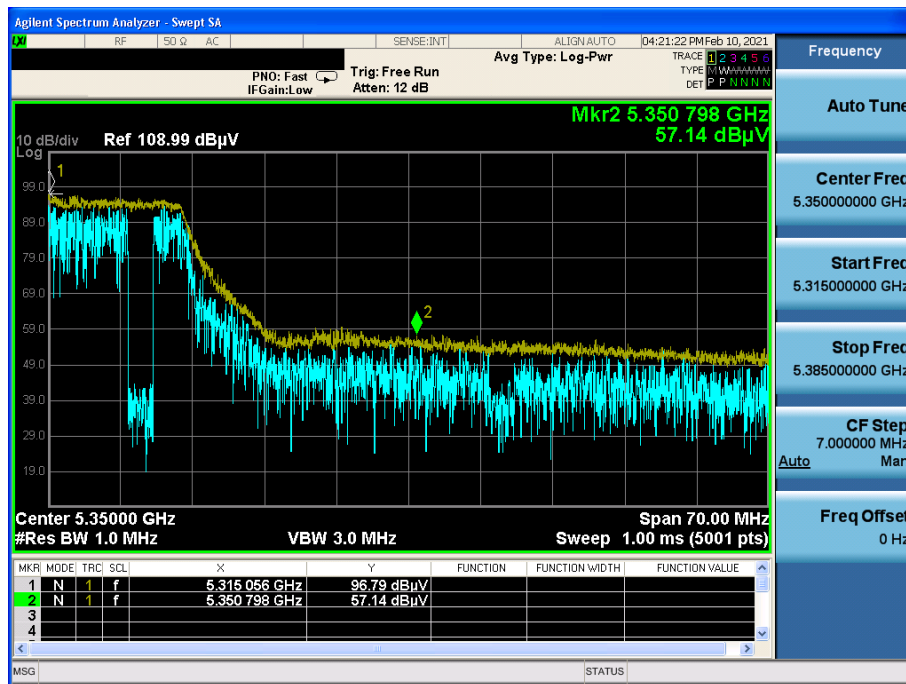
TM 4 & U-NII 1 & 5 210 & Z axis & Hor

Detector Mode : PK



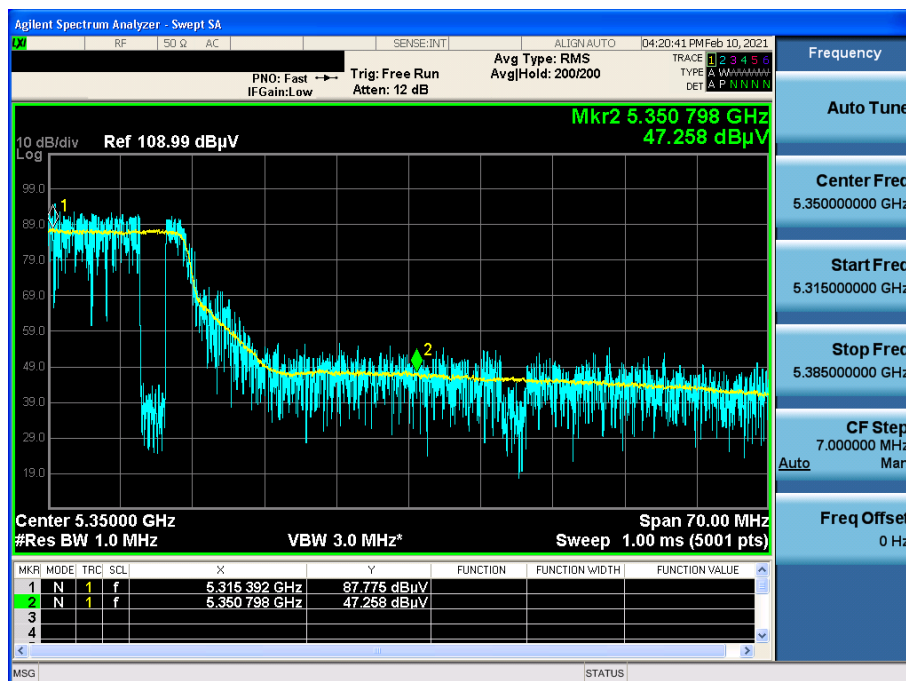
TM 4 & U-NII 2A & 5 290 & Z axis & Hor

Detector Mode : PK



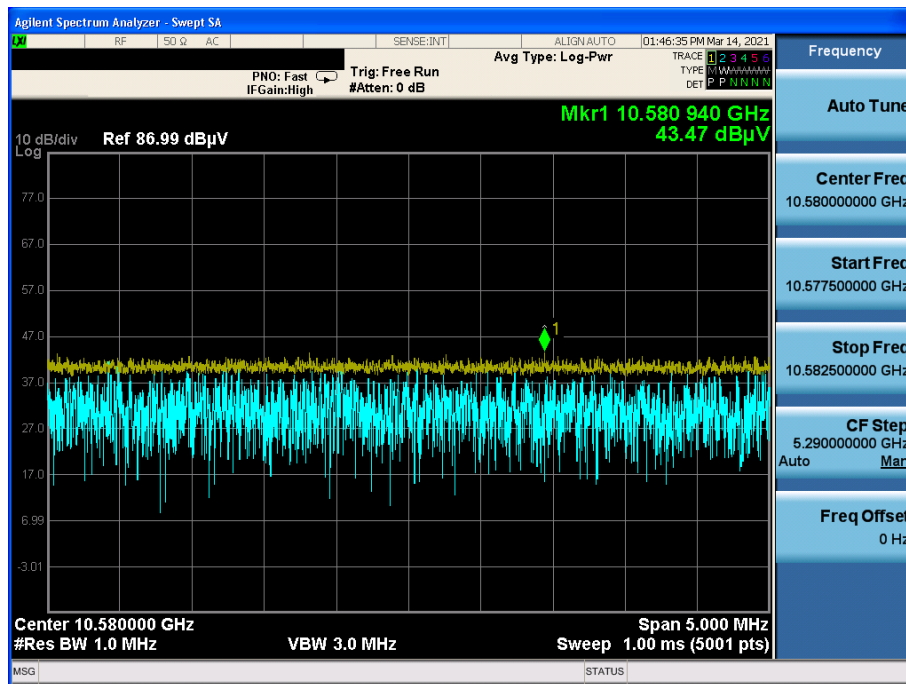
TM 4 & U-NII 2A & 5 290 & Z axis & Hor

Detector Mode : AV



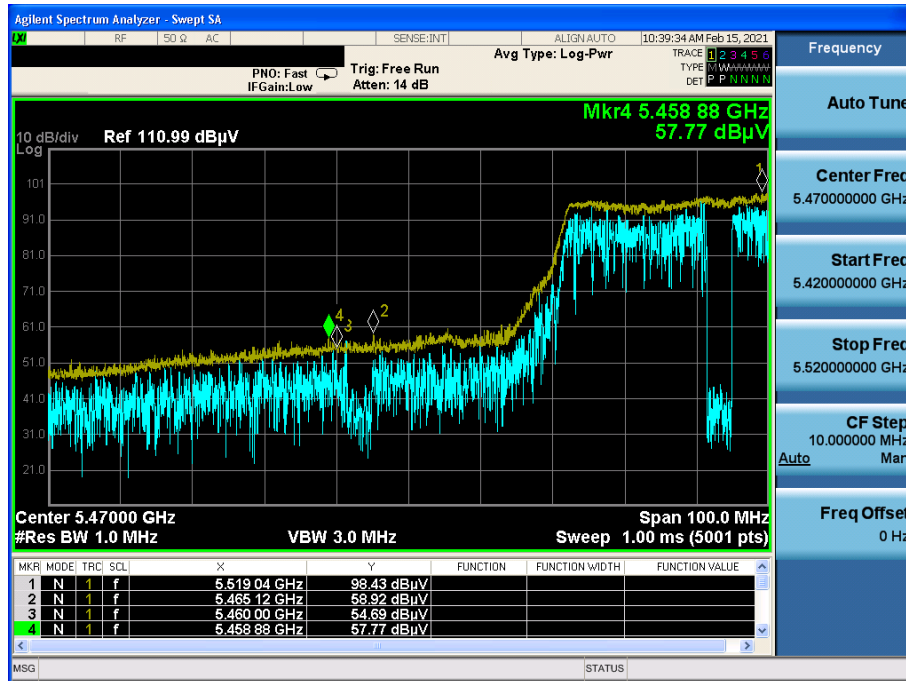
TM 4 & U-NII 2A & 5 290 & Z axis & Hor

Detector Mode : PK



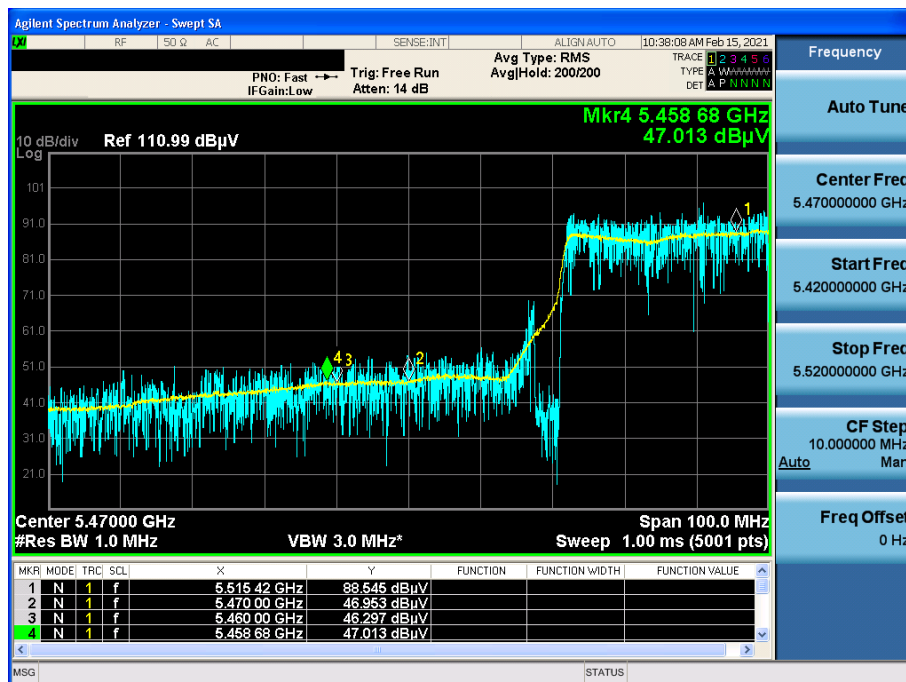
TM 4 & U-NII 2C & 5 530 & Z axis & Hor

Detector Mode : PK



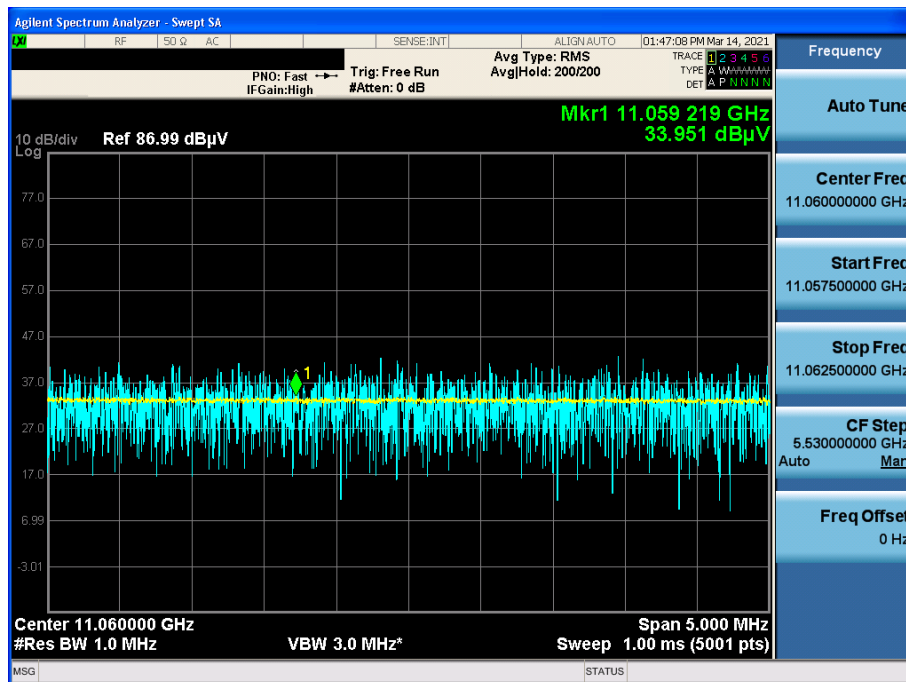
TM 4 & U-NII 2C & 5 530 & Z axis & Hor

Detector Mode : AV



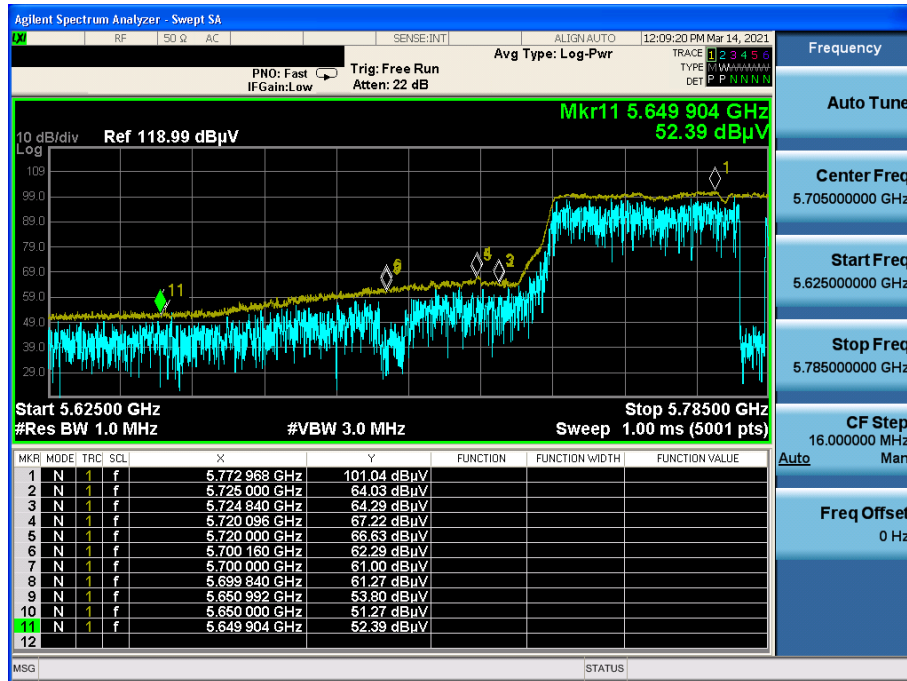
TM 4 & U-NII 2C & 5 530 & Z axis & Hor

Detector Mode : AV



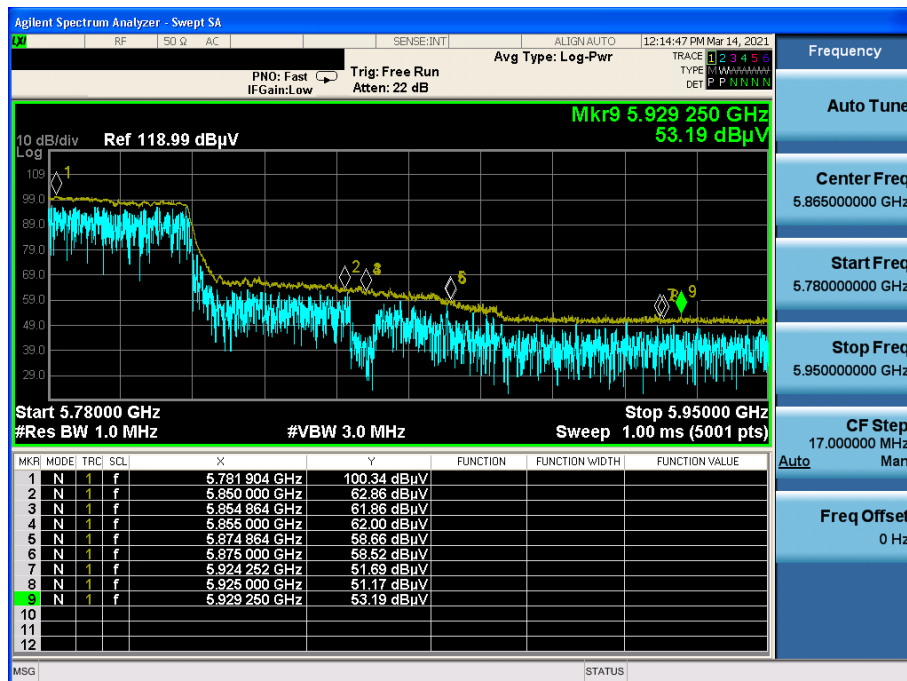
TM 4 & U-NII 3 & 5775 & Z axis & Hor

Detector Mode : PK



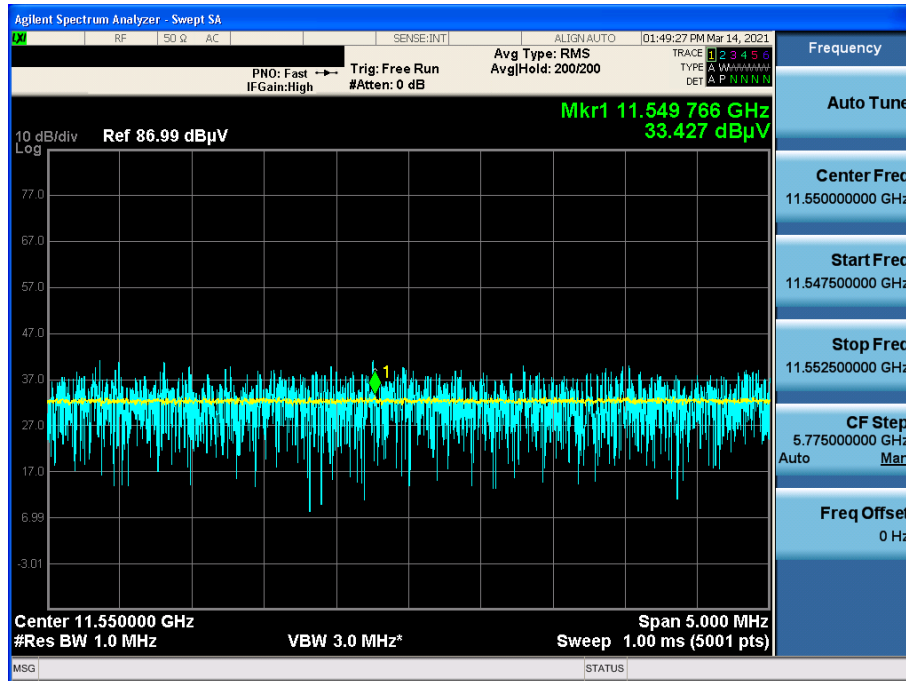
TM 4 & U-NII 3 & 5775 & Z axis & Hor

Detector Mode : PK



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

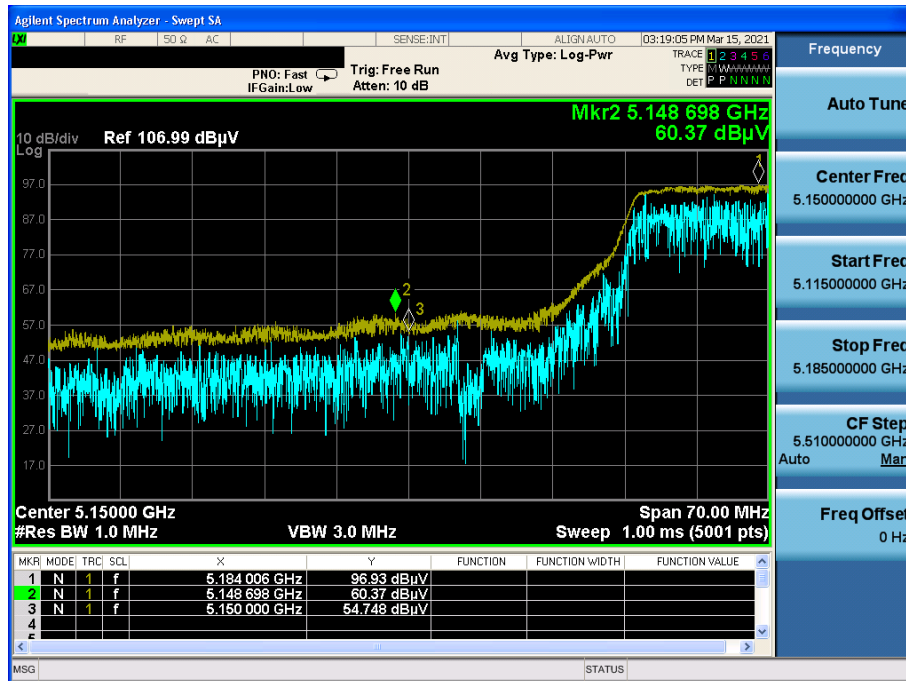
Detector Mode : AV



Unwanted Emissions (Radiated) Test Plot: Wireless Charging

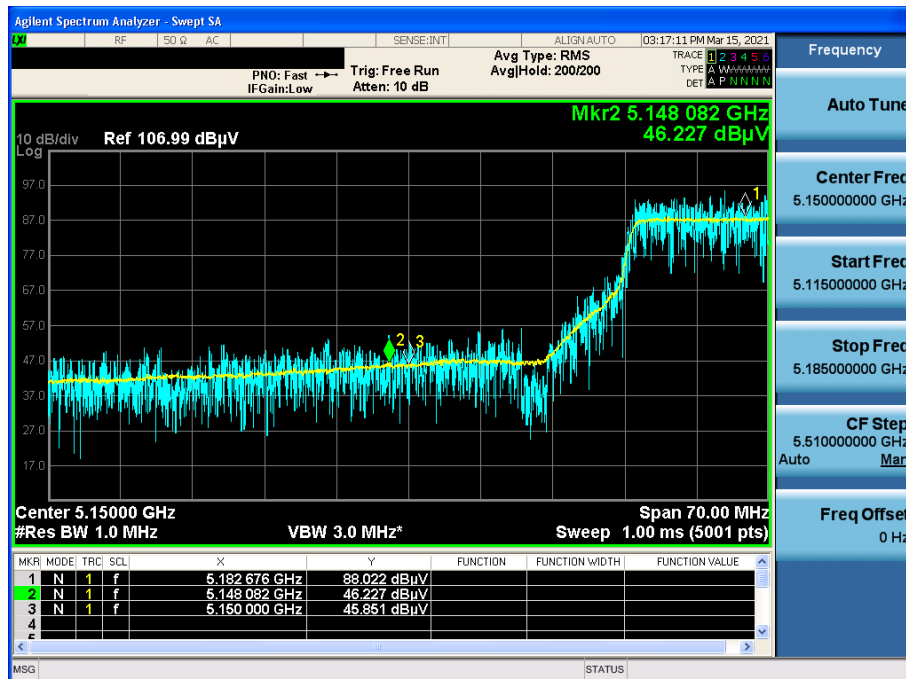
TM 4 & U-NII 1 & 5 210 & X axis & Ver

Detector Mode : PK



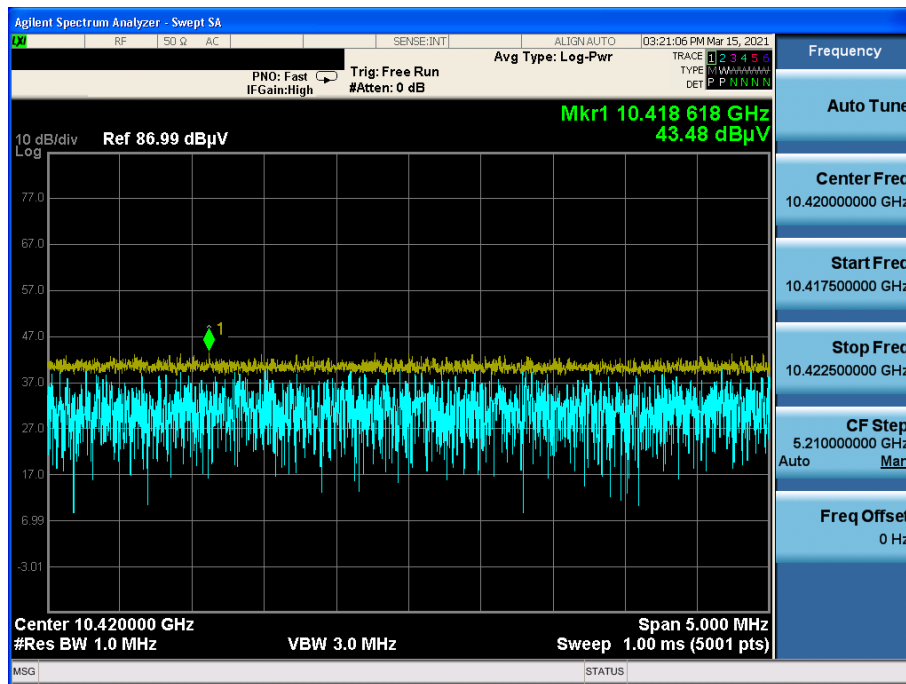
TM 4 & U-NII 1 & 5 210 & X axis & Ver

Detector Mode : AV



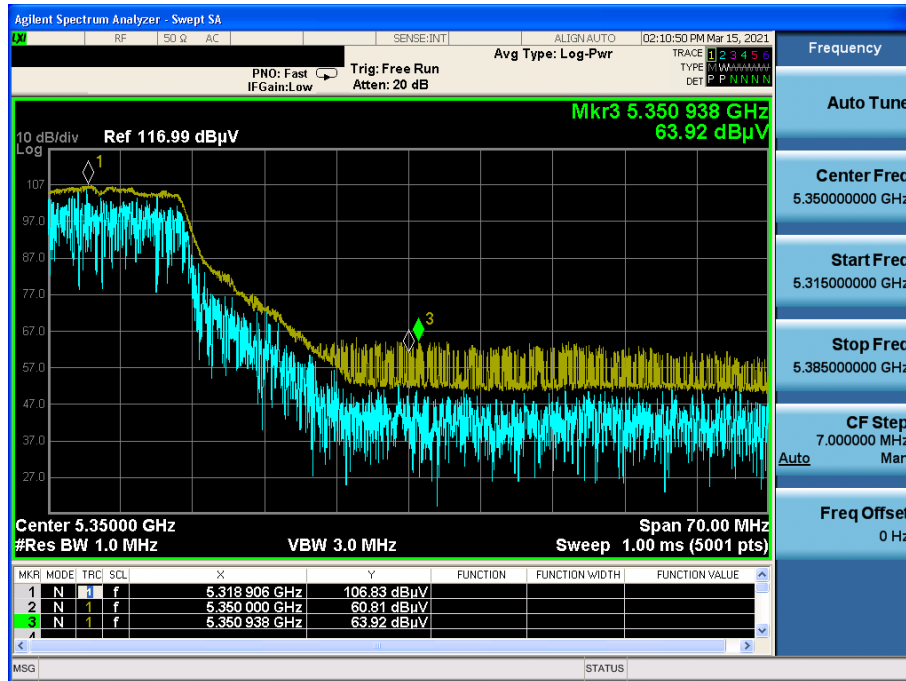
TM 4 & U-NII 1 & 5 210 & X axis & Ver

Detector Mode : PK



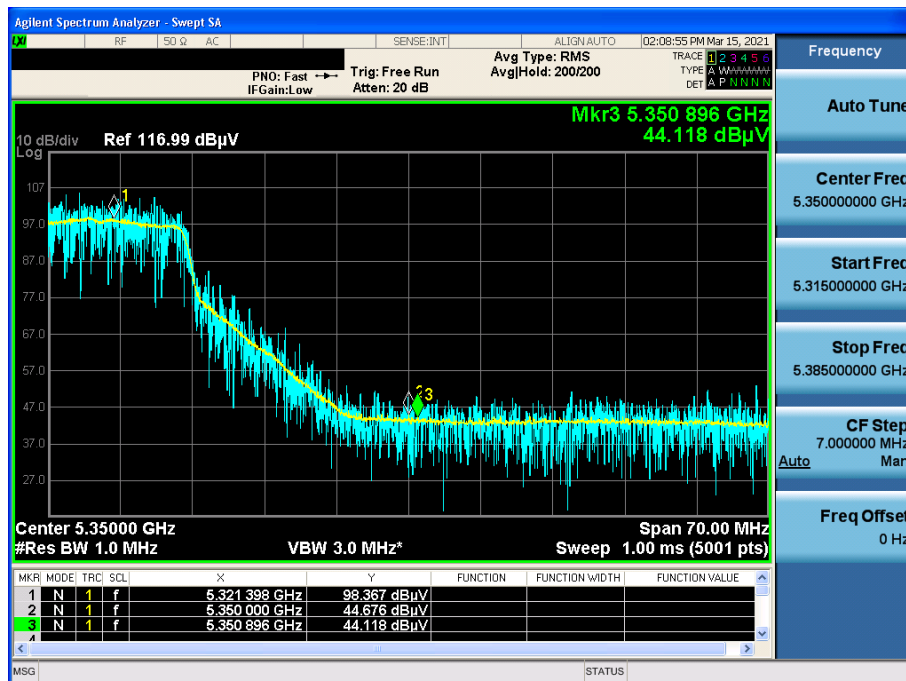
TM 1 & U-NII 2A & 5 320 & X axis & Ver

Detector Mode : PK



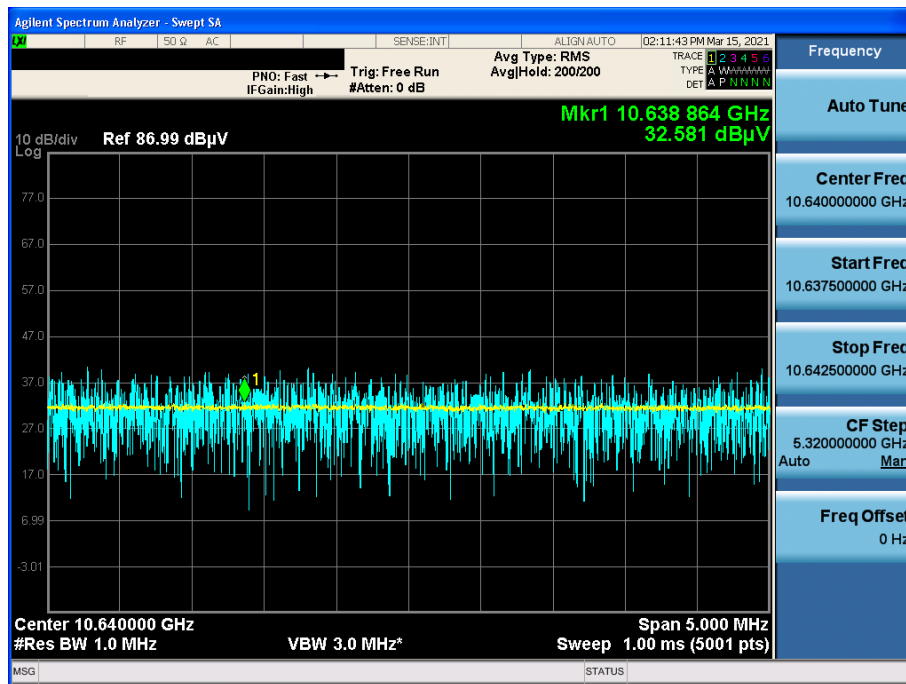
TM 1 & U-NII 2A & 5 320 & X axis & Ver

Detector Mode : AV



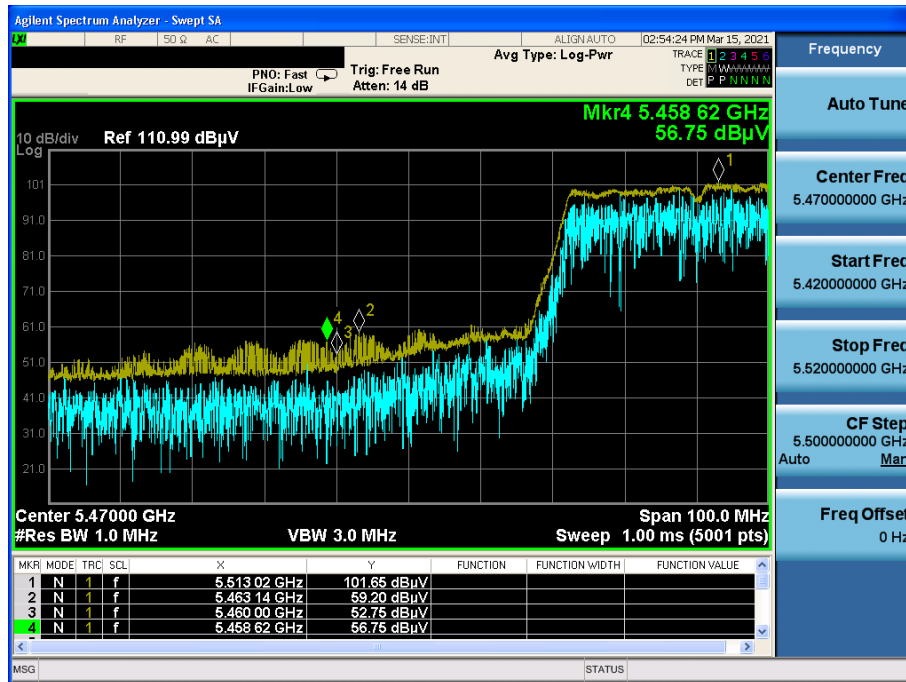
TM 1 & U-NII 2A & 5 320 & X axis & Ver

Detector Mode : AV



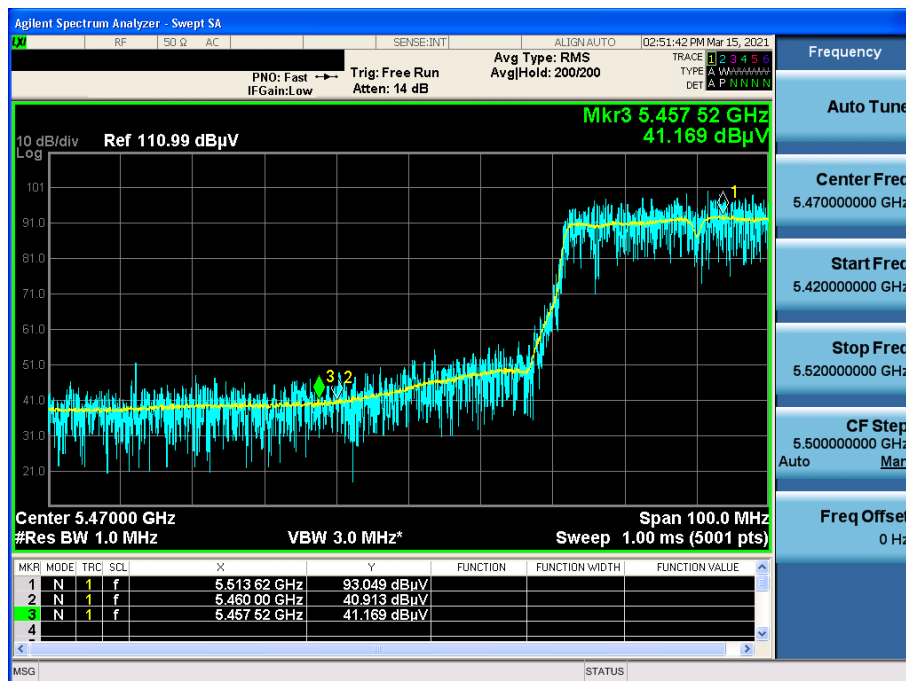
TM 3 & U-NII 2C & 5 510 & X axis & Ver

Detector Mode : PK



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

Detector Mode : AV



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

Detector Mode : AV

