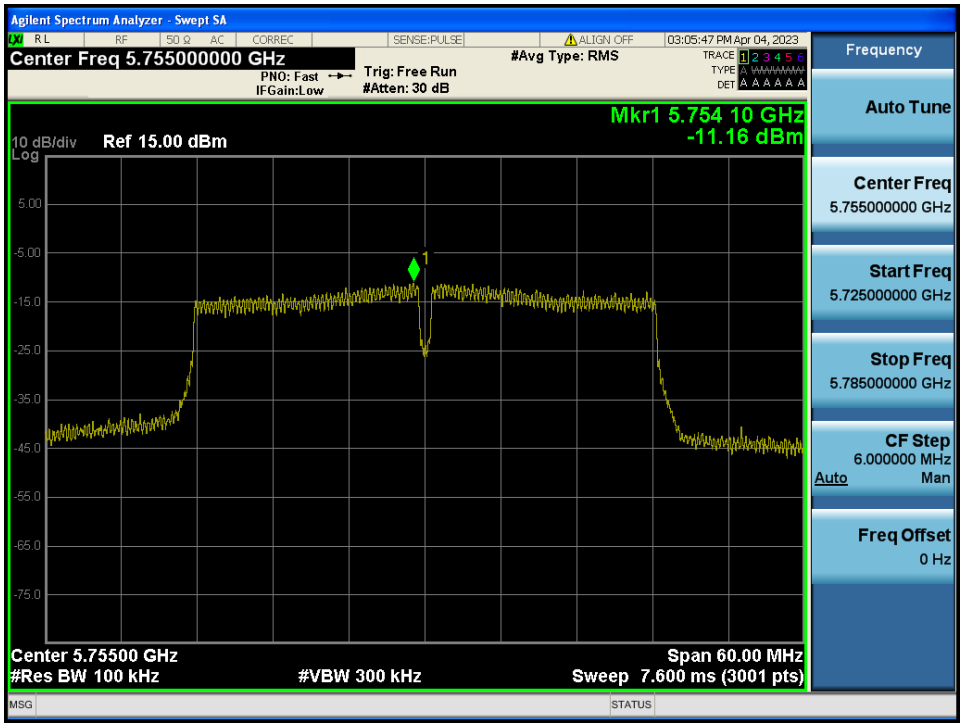
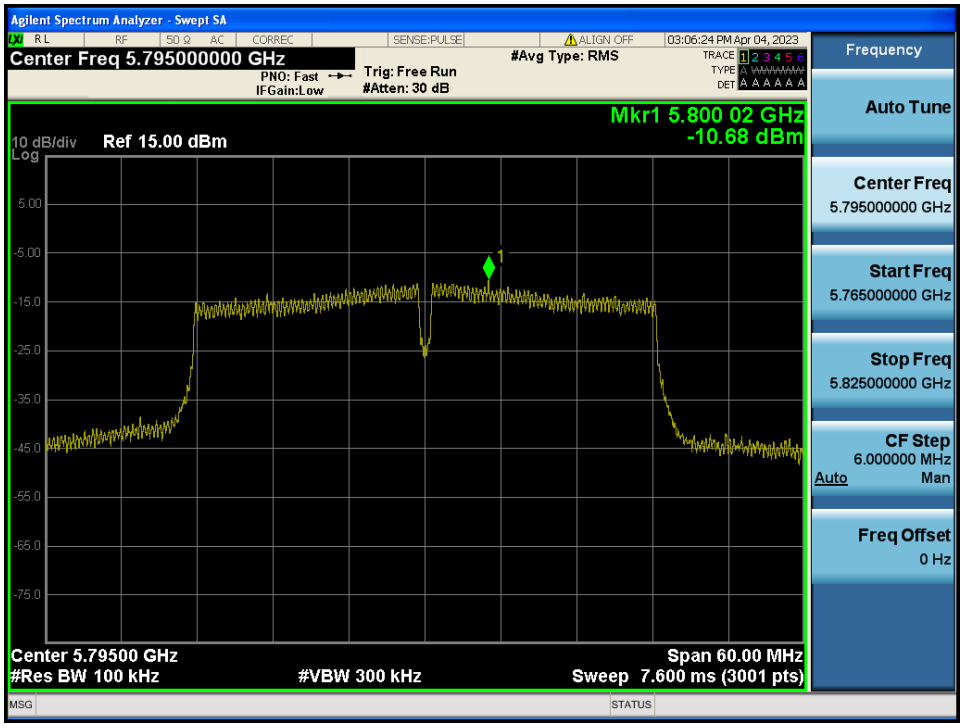
Maximum Power Spectral Density

Test Mode: TM 3 & ANT 1 & Ch.151



Maximum Power Spectral Density

Test Mode: TM 3 & ANT 1 & Ch.159



Maximum Power Spectral Density

Test Mode: TM 4 & ANT 1 & Ch.42

Maximum Power Spectral Density

Test Mode: TM 4 & ANT 1 & Ch.58

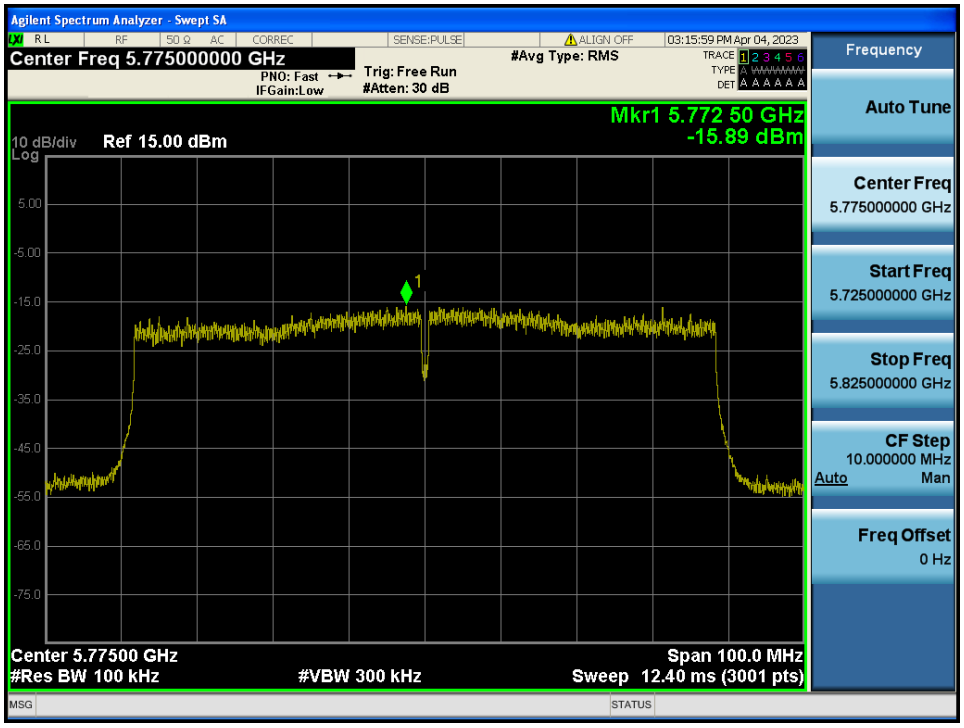
Maximum Power Spectral Density

Test Mode: TM 4 & ANT 1 & Ch.106

Maximum Power Spectral Density

Test Mode: TM 4 & ANT 1 & Ch.138

Maximum Power Spectral Density Test Mode: TM 4 & ANT 1 & Ch.155



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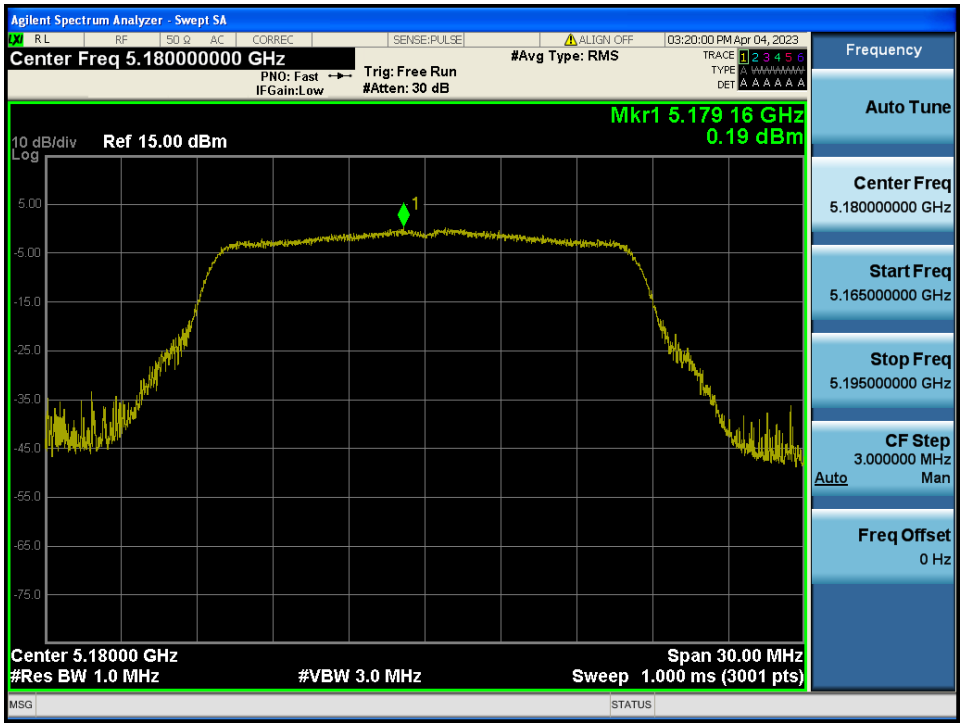
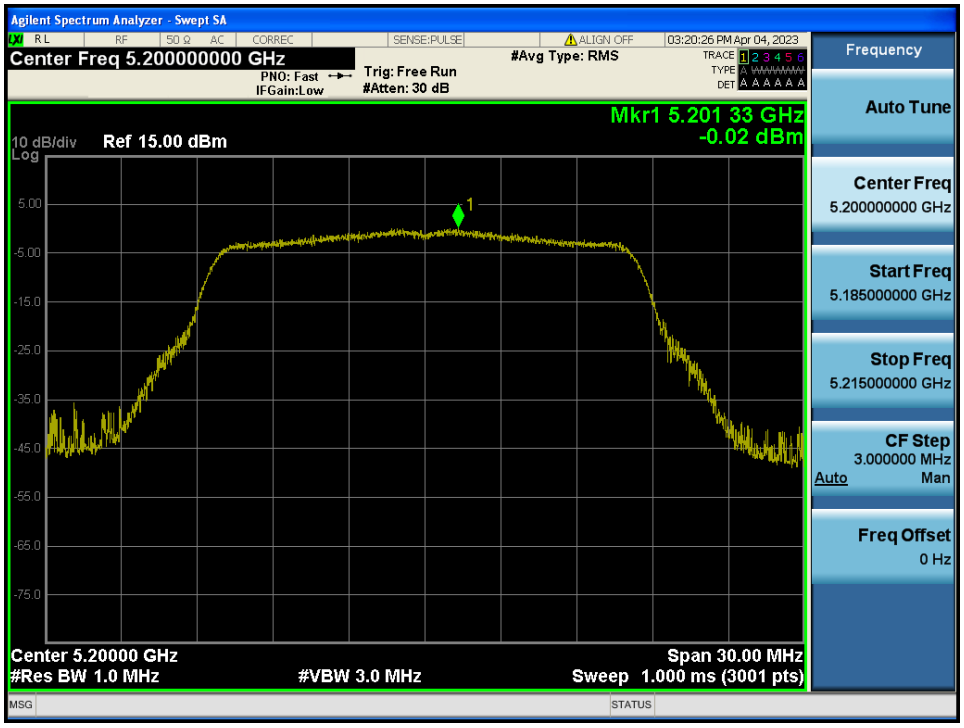
Maximum Power Spectral Density

Test Mode: TM 1 & ANT 2 & Ch.36

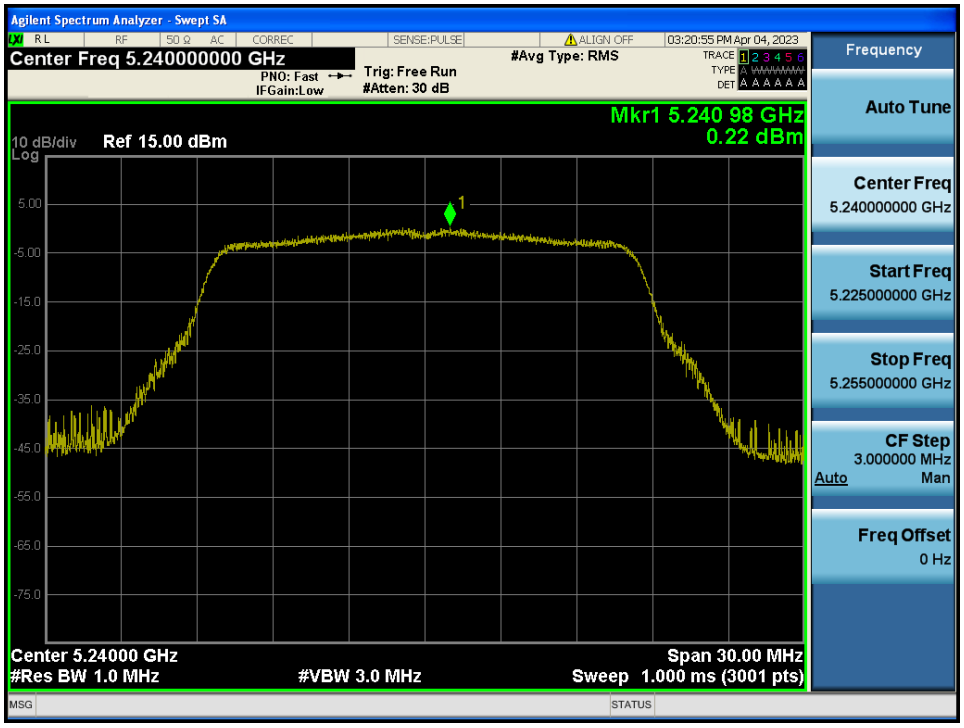


Maximum Power Spectral Density

Test Mode: TM 1 & ANT 2 & Ch.40

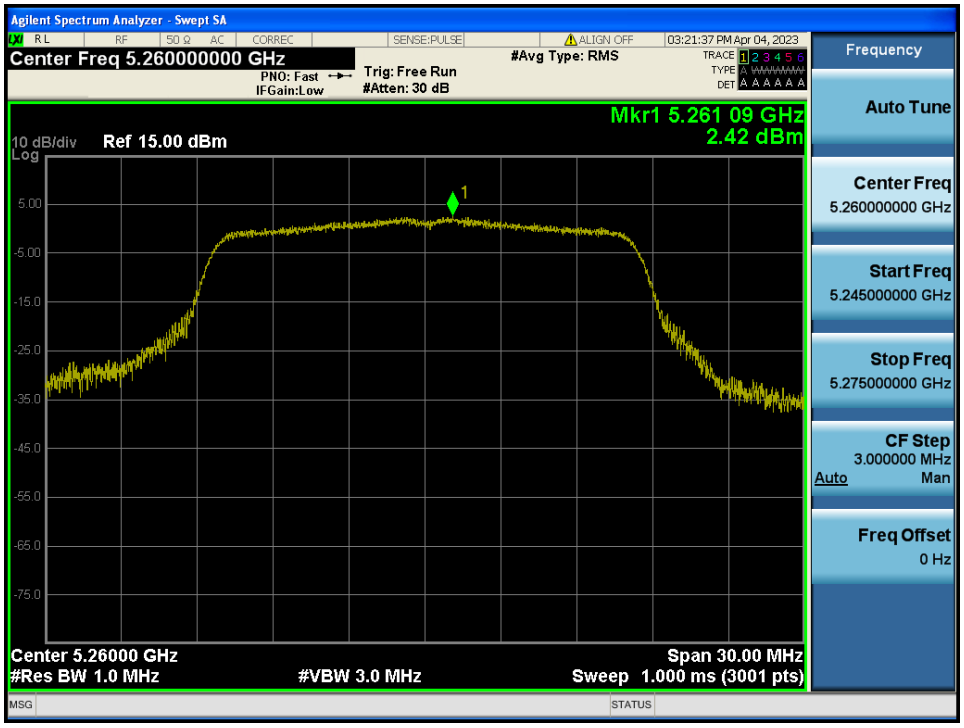


Maximum Power Spectral Density Test Mode: TM 1 & ANT 2 & Ch.48



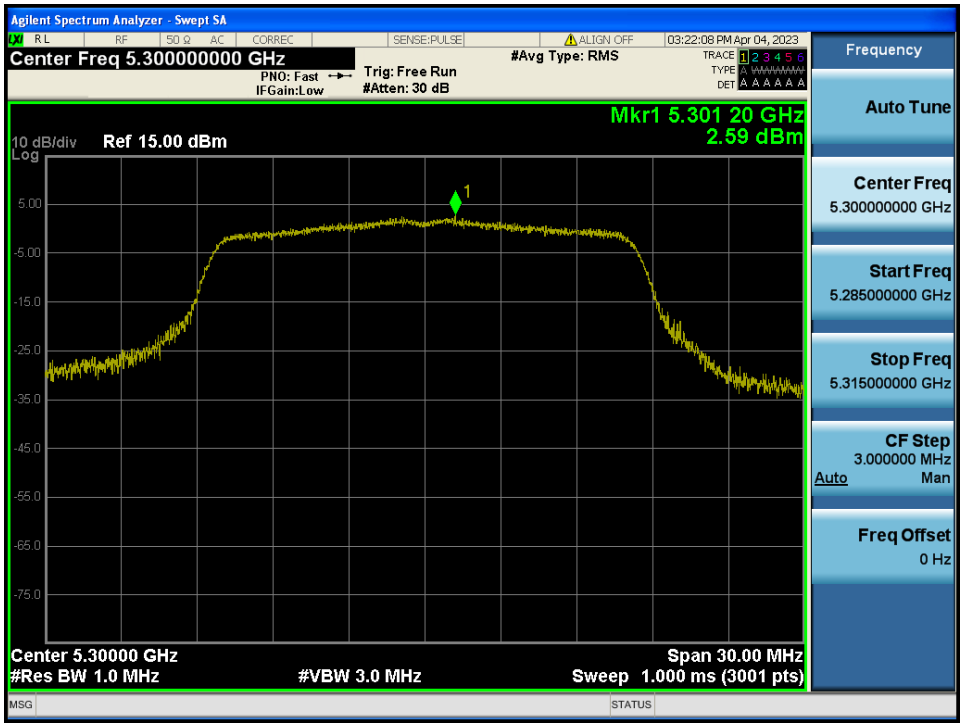
Maximum Power Spectral Density

Test Mode: TM 1 & ANT 2 & Ch.52

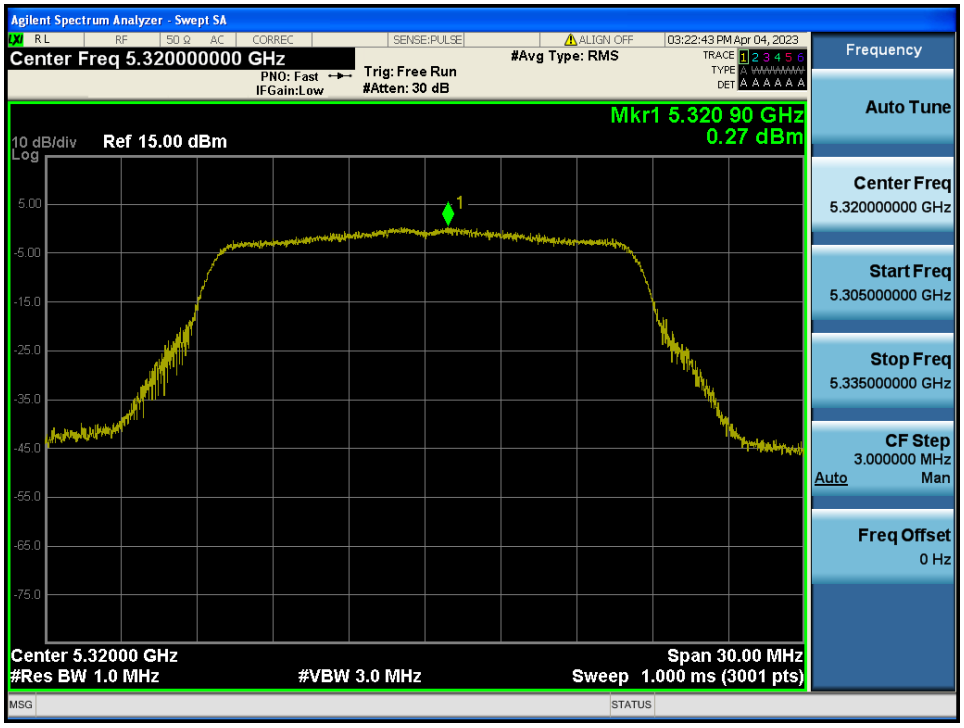


Maximum Power Spectral Density

Test Mode: TM 1 & ANT 2 & Ch.60

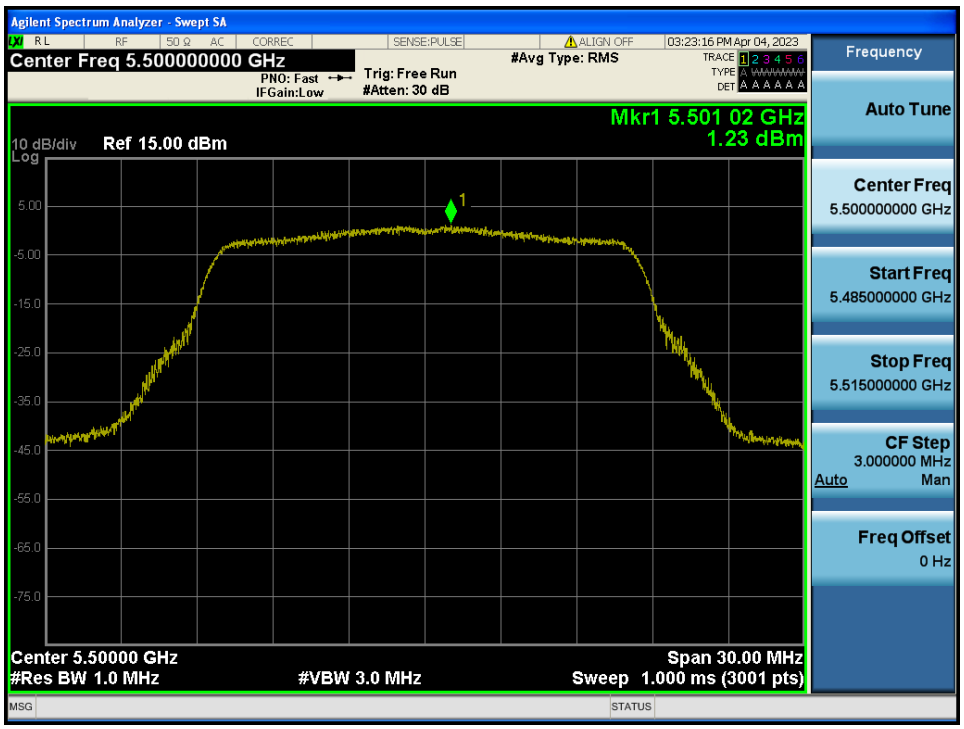


Maximum Power Spectral Density Test Mode: TM 1 & ANT 2 & Ch.64



Maximum Power Spectral Density

Test Mode: TM 1 & ANT 2 & Ch.100



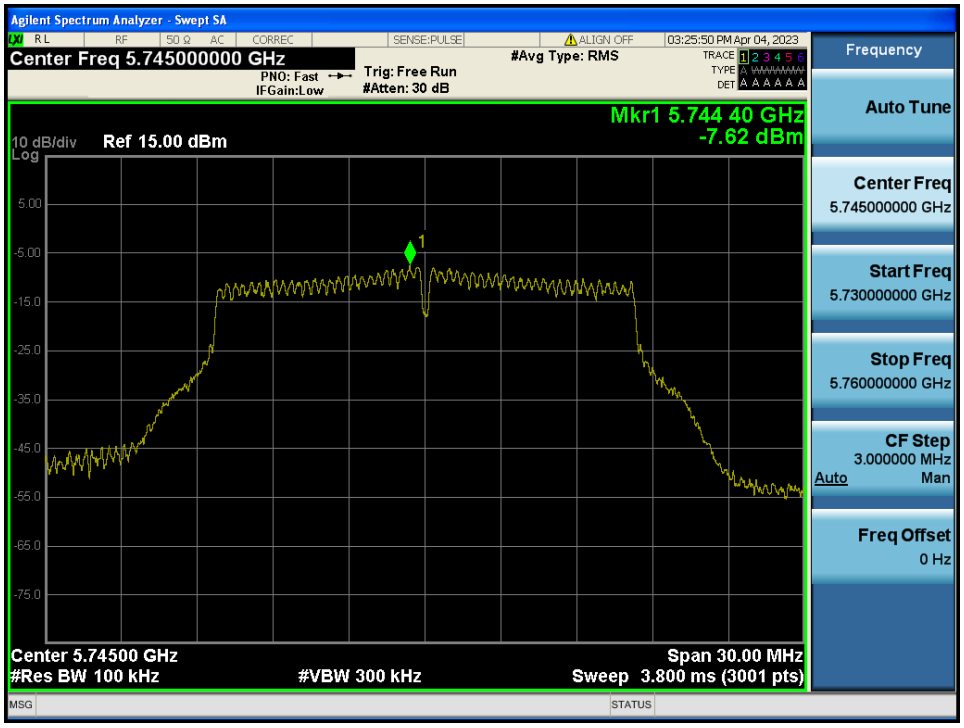
Maximum Power Spectral Density

Test Mode: TM 1 & ANT 2 & Ch.116

Maximum Power Spectral Density Test Mode: TM 1 & ANT 2 & Ch.144

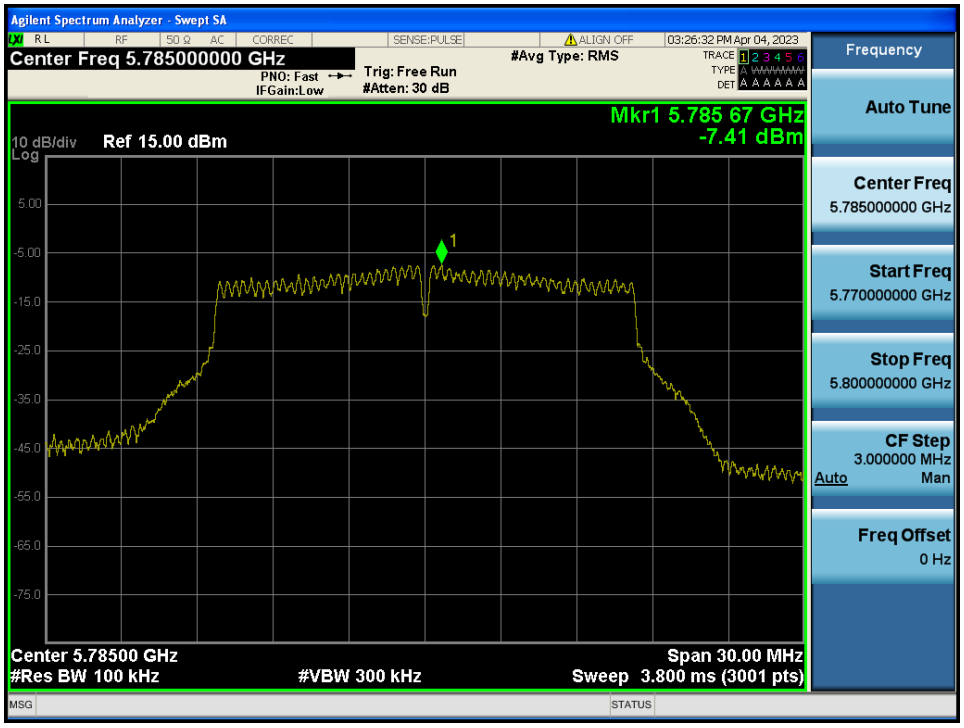
Maximum Power Spectral Density

Test Mode: TM 1 & ANT 2 & Ch.149



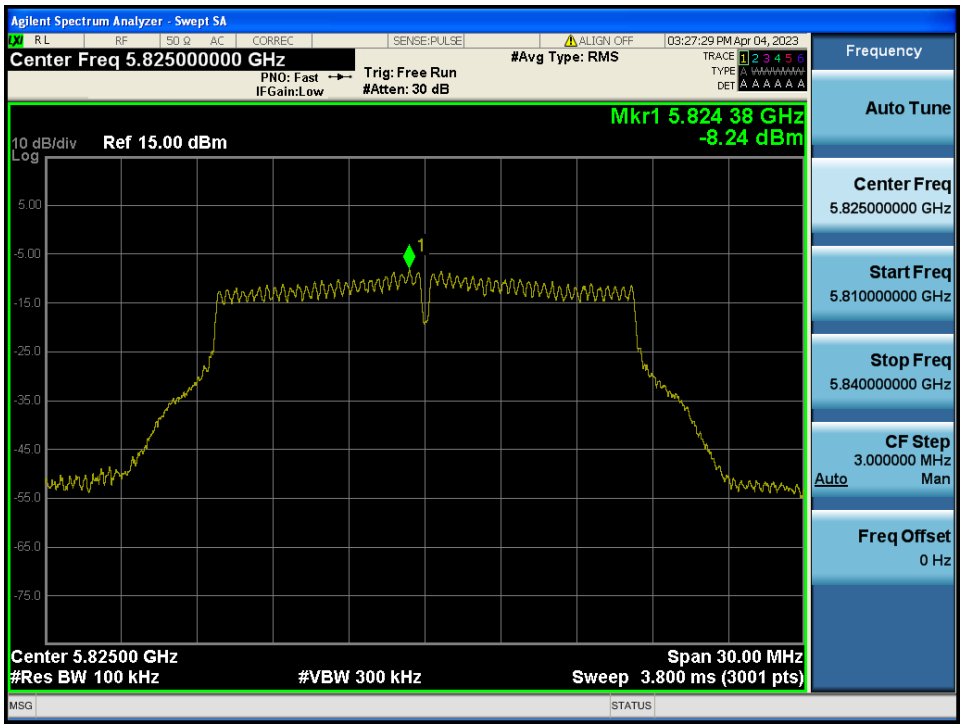
Maximum Power Spectral Density

Test Mode: TM 1 & ANT 2 & Ch.157



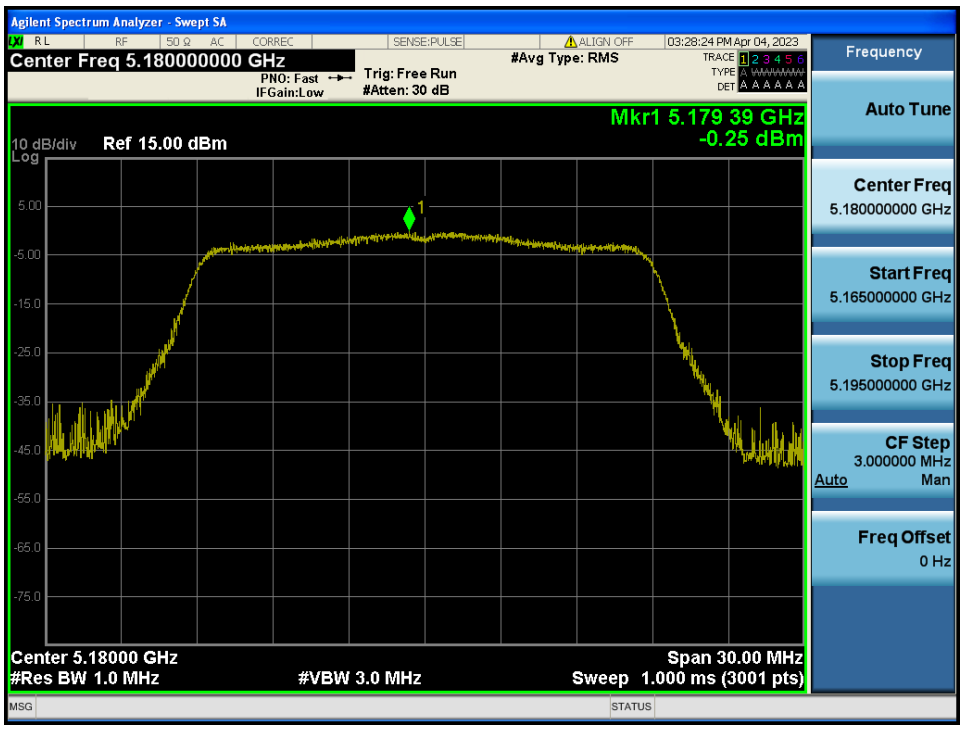
Maximum Power Spectral Density

Test Mode: TM 1 & ANT 2 & Ch.165



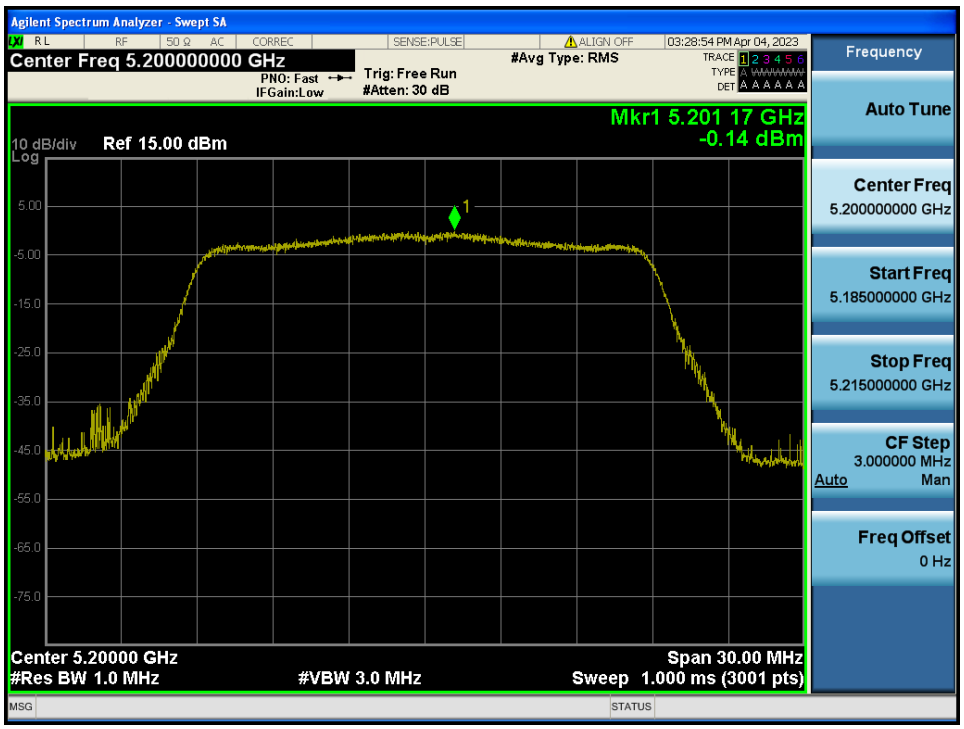
Maximum Power Spectral Density

Test Mode: TM 2 & ANT 2 & Ch.36



Maximum Power Spectral Density

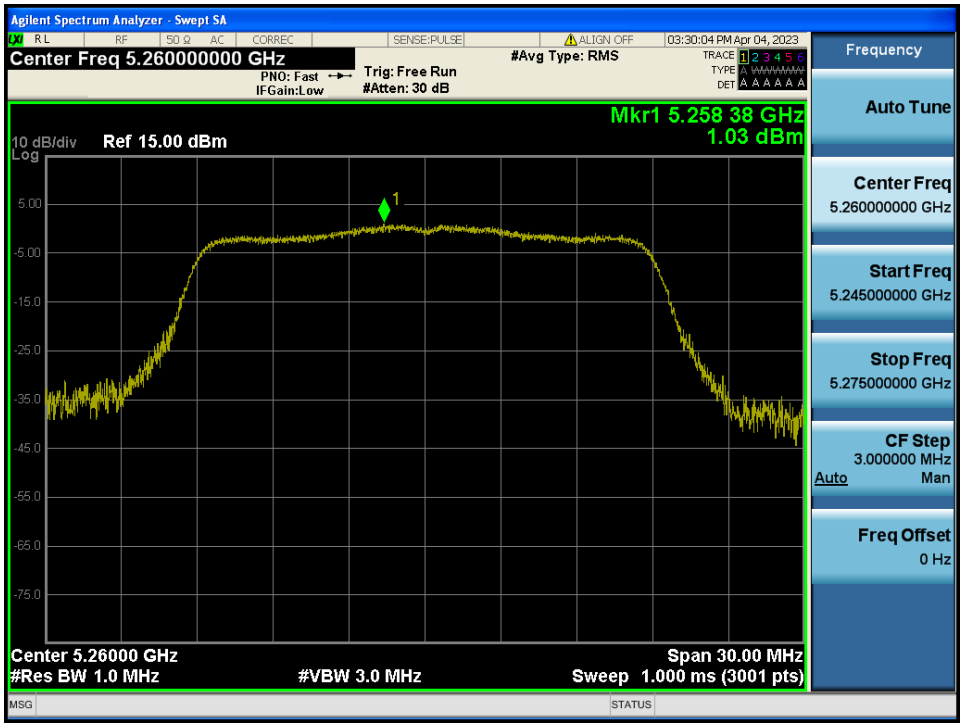
Test Mode: TM 2 & ANT 2 & Ch.40



Maximum Power Spectral Density Test Mode: TM 2 & ANT 2 & Ch.48

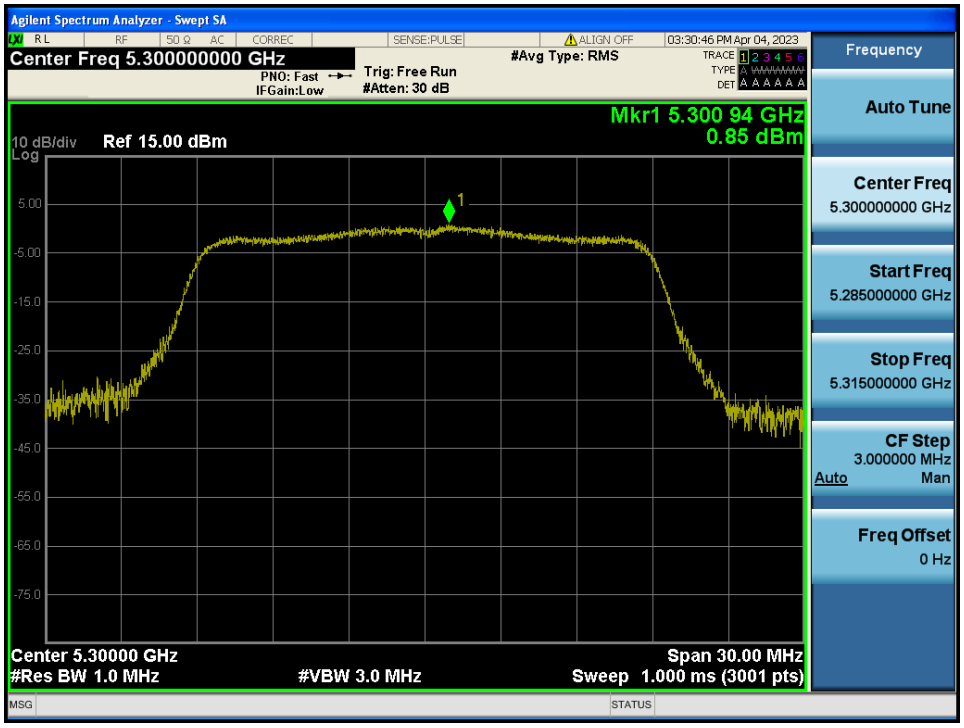
Maximum Power Spectral Density

Test Mode: TM 2 & ANT 2 & Ch.52

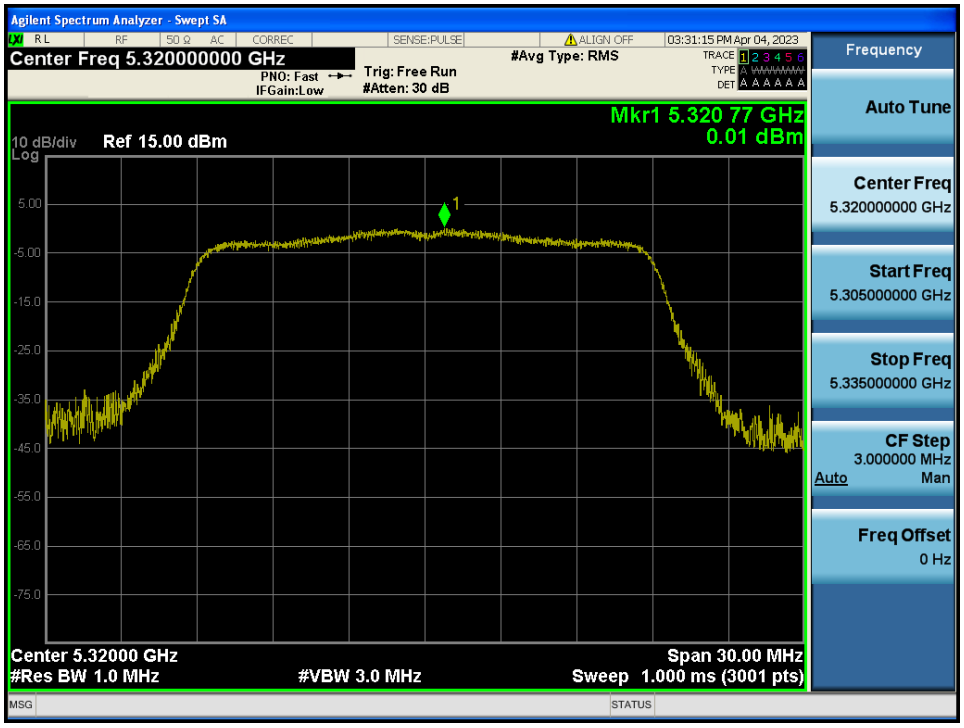


Maximum Power Spectral Density

Test Mode: TM 2 & ANT 2 & Ch.60



Maximum Power Spectral Density Test Mode: TM 2 & ANT 2 & Ch.64

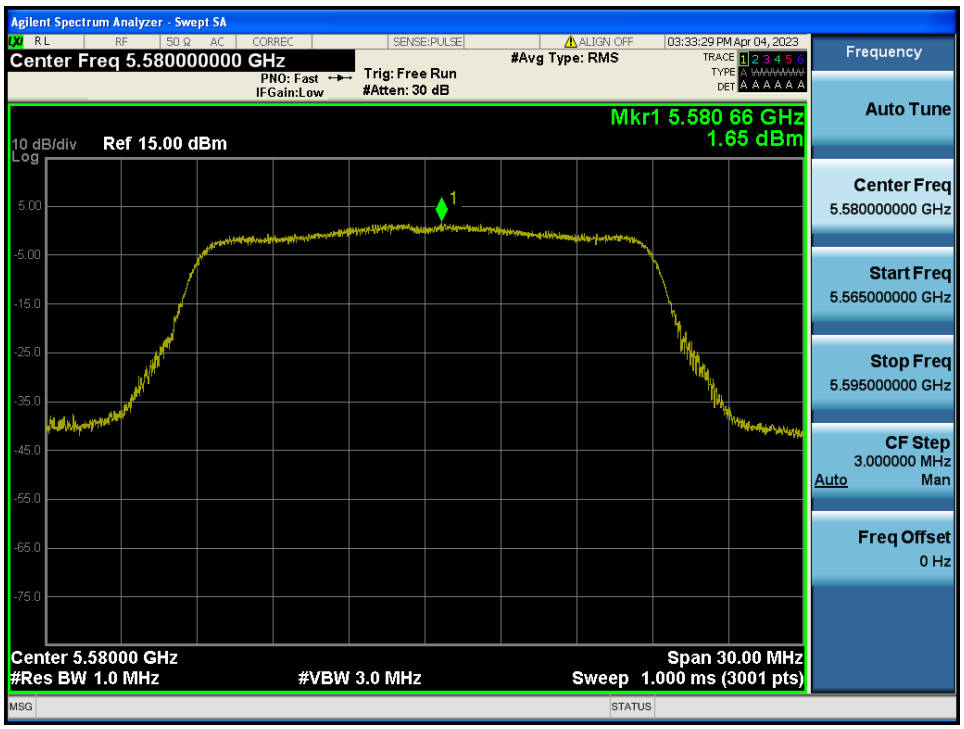


Maximum Power Spectral Density

Test Mode: TM 2 & ANT 2 & Ch.100

Maximum Power Spectral Density

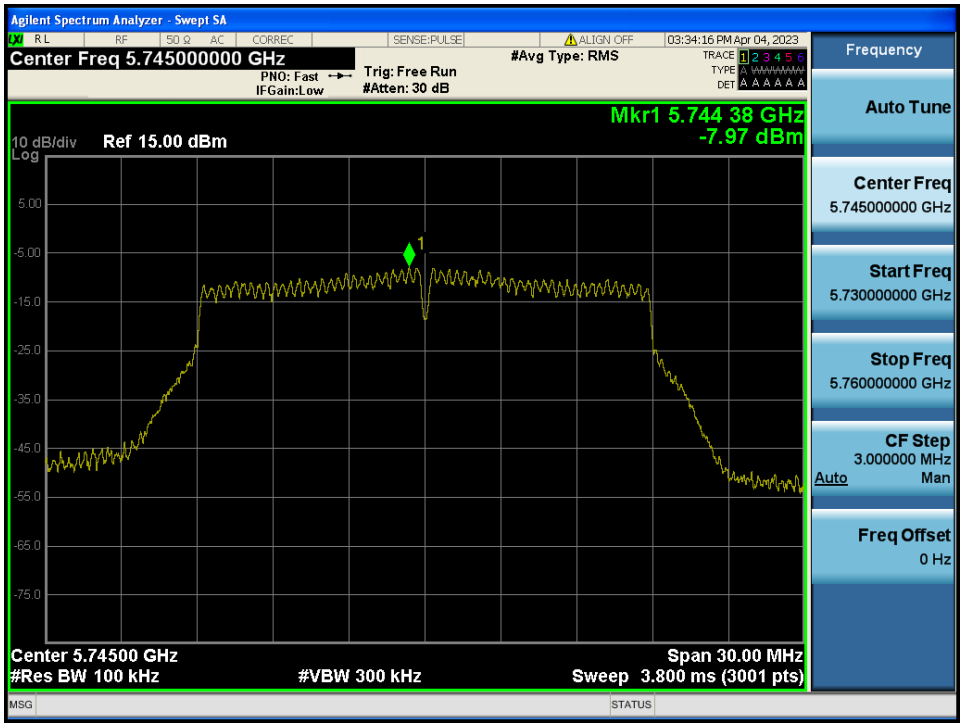
Test Mode: TM 2 & ANT 2 & Ch.116



Maximum Power Spectral Density Test Mode: TM 2 & ANT 2 & Ch.144

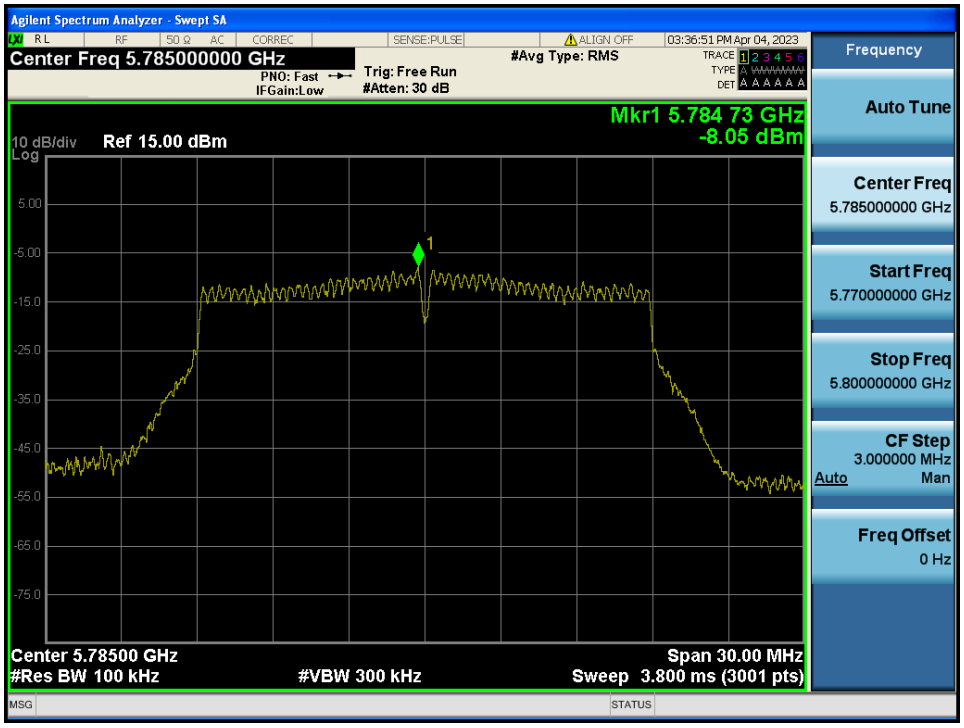
Maximum Power Spectral Density

Test Mode: TM 2 & ANT 2 & Ch.149



Maximum Power Spectral Density

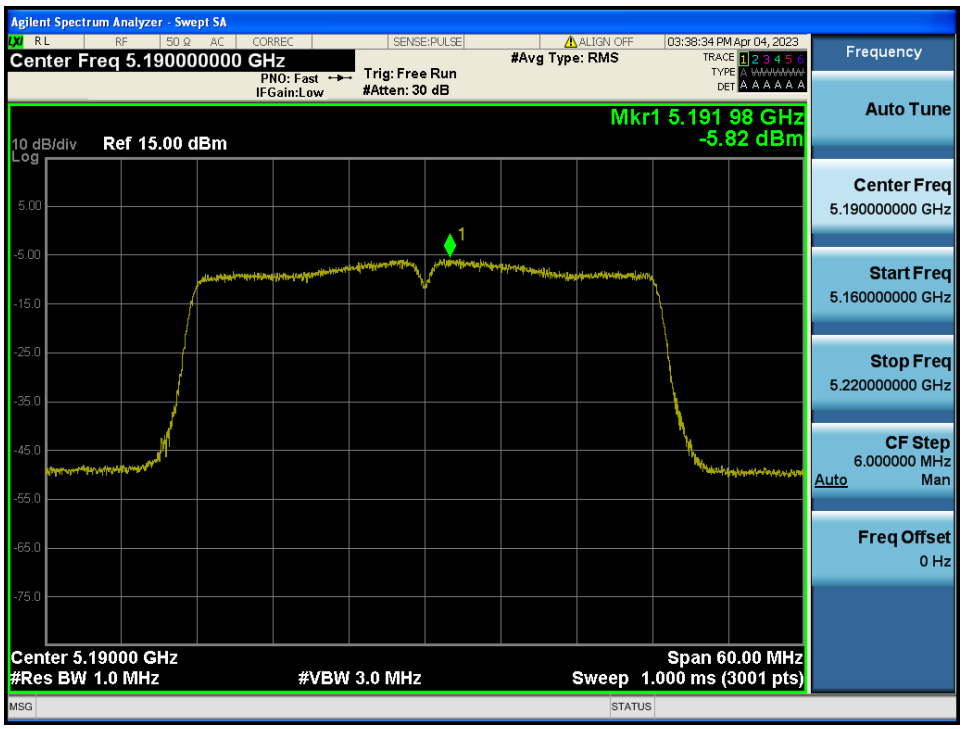
Test Mode: TM 2 & ANT 2 & Ch.157



Maximum Power Spectral Density Test Mode: TM 2 & ANT 2 & Ch.165

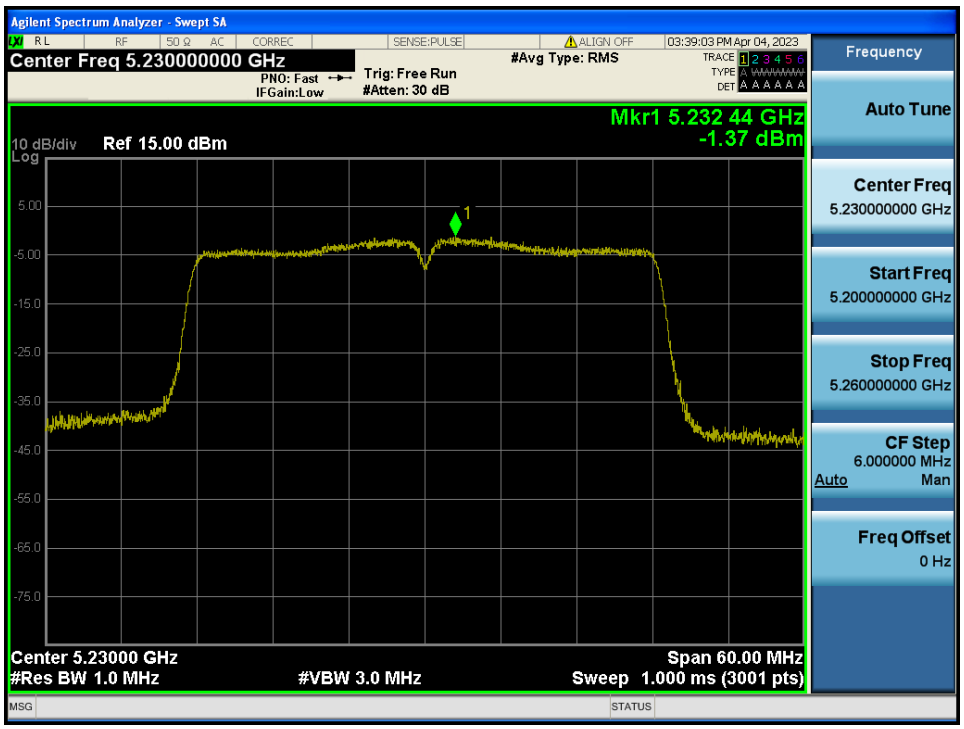
Maximum Power Spectral Density

Test Mode: TM 3 & ANT 2 & Ch.38



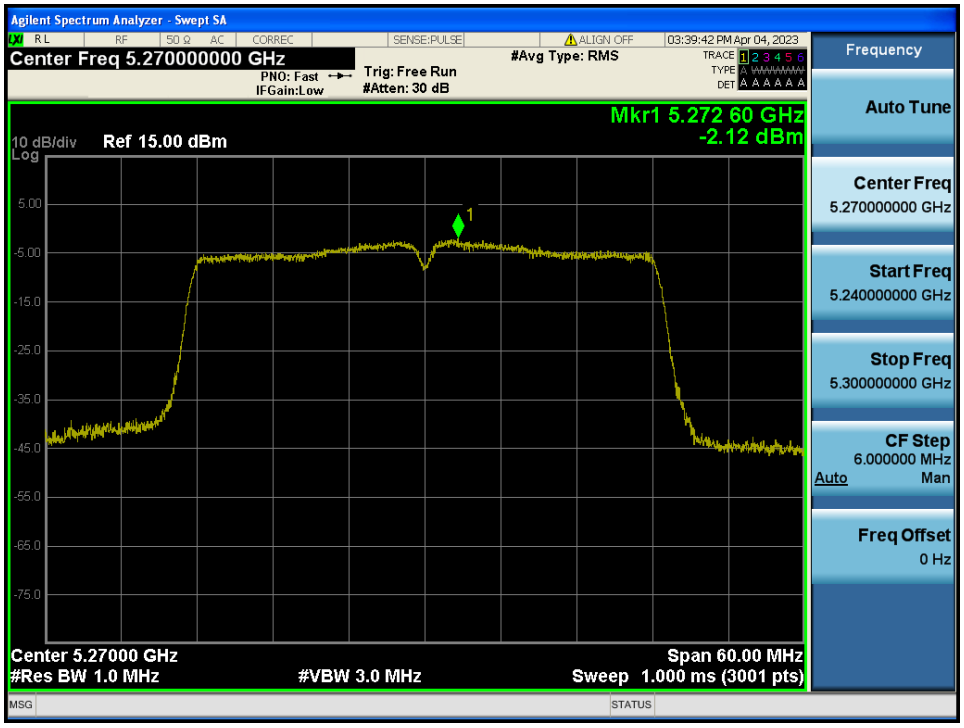
Maximum Power Spectral Density

Test Mode: TM 3 & ANT 2 & Ch.46



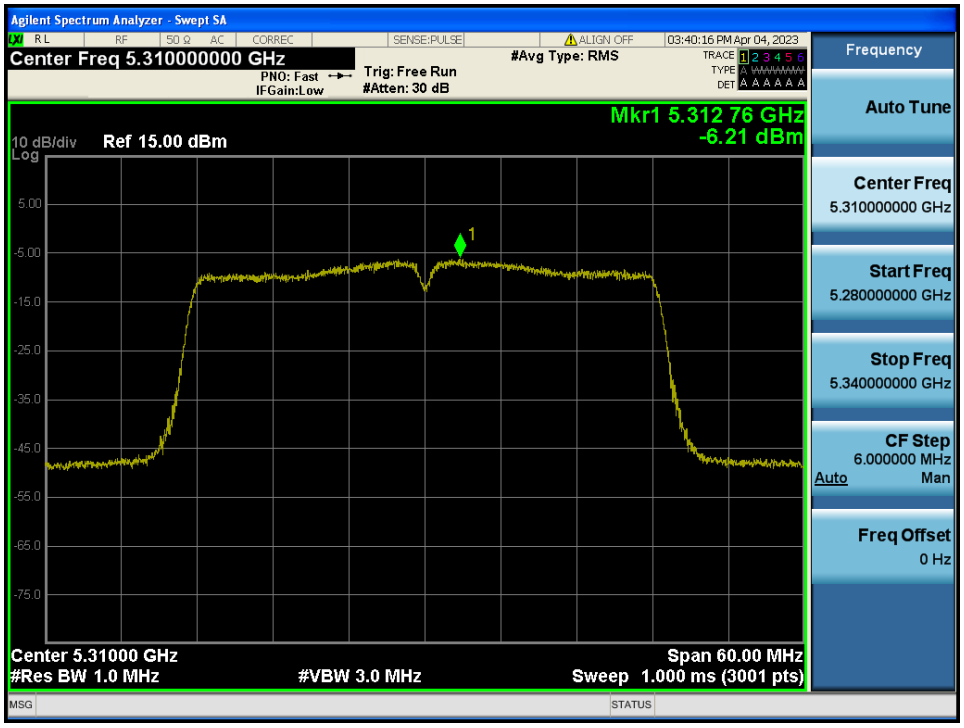
Maximum Power Spectral Density

Test Mode: TM 3 & ANT 2 & Ch.54



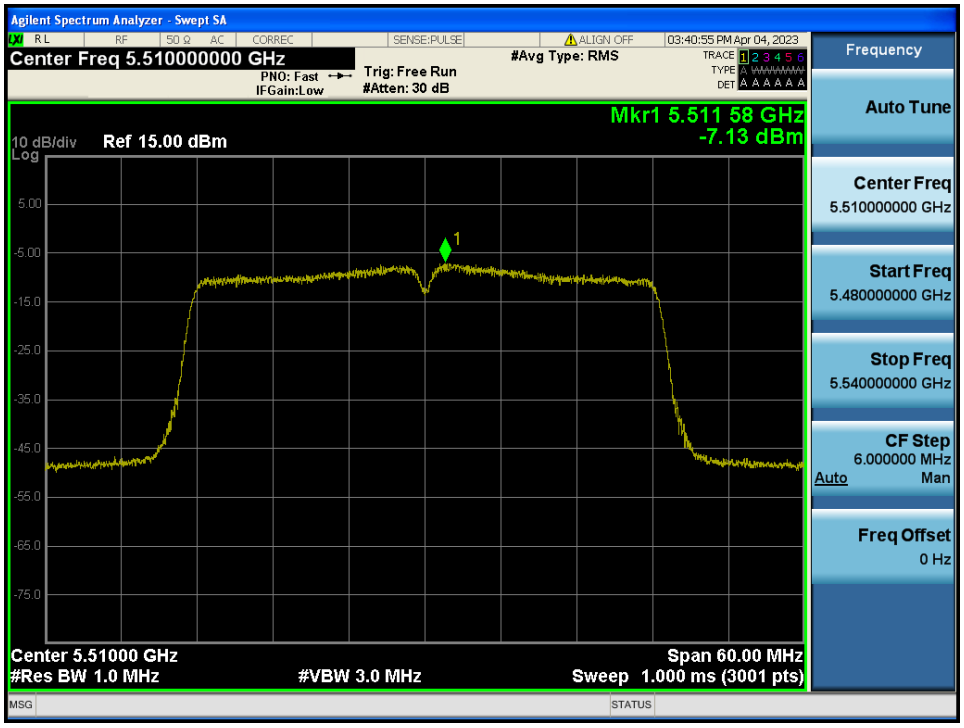
Maximum Power Spectral Density

Test Mode: TM 3 & ANT 2 & Ch.62



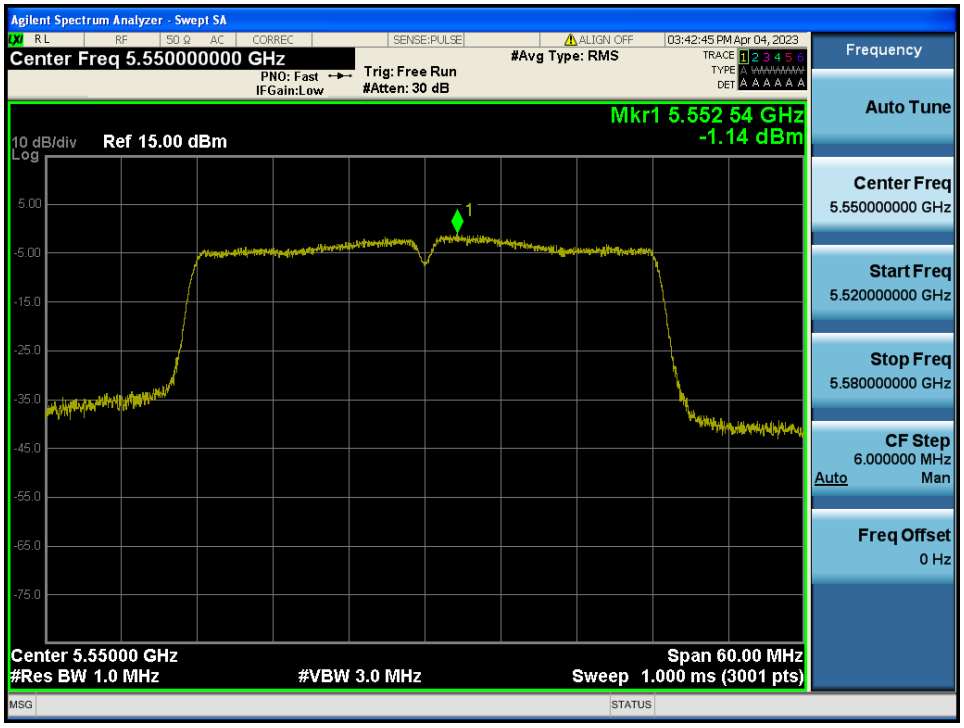
Maximum Power Spectral Density

Test Mode: TM 3 & ANT 2 & Ch.102



Maximum Power Spectral Density

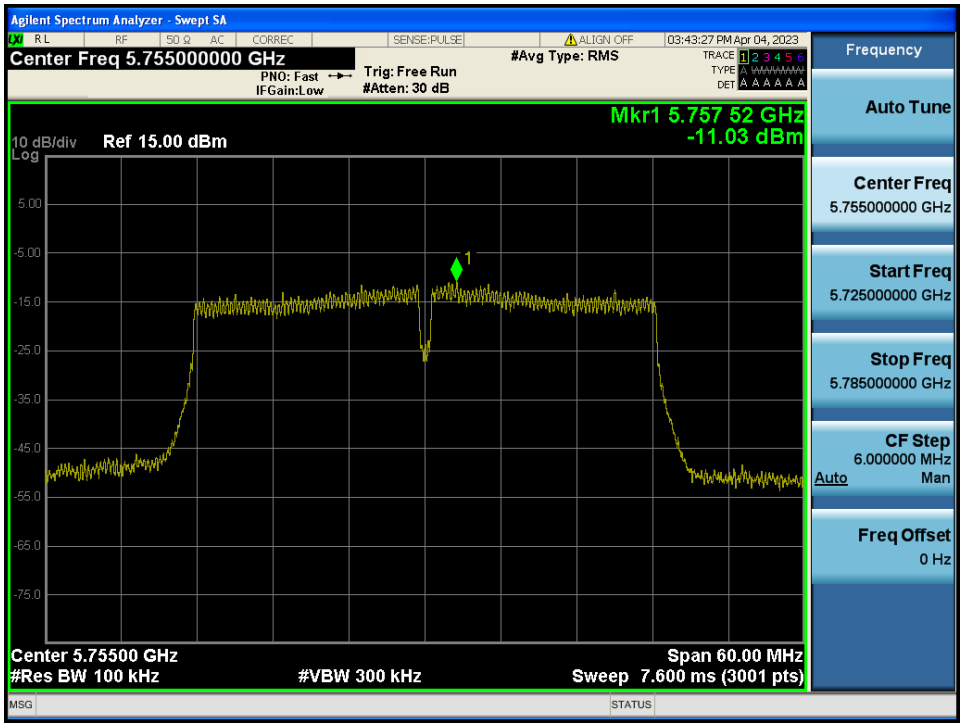
Test Mode: TM 3 & ANT 2 & Ch.110



Maximum Power Spectral Density Test Mode: TM 3 & ANT 2 & Ch.142

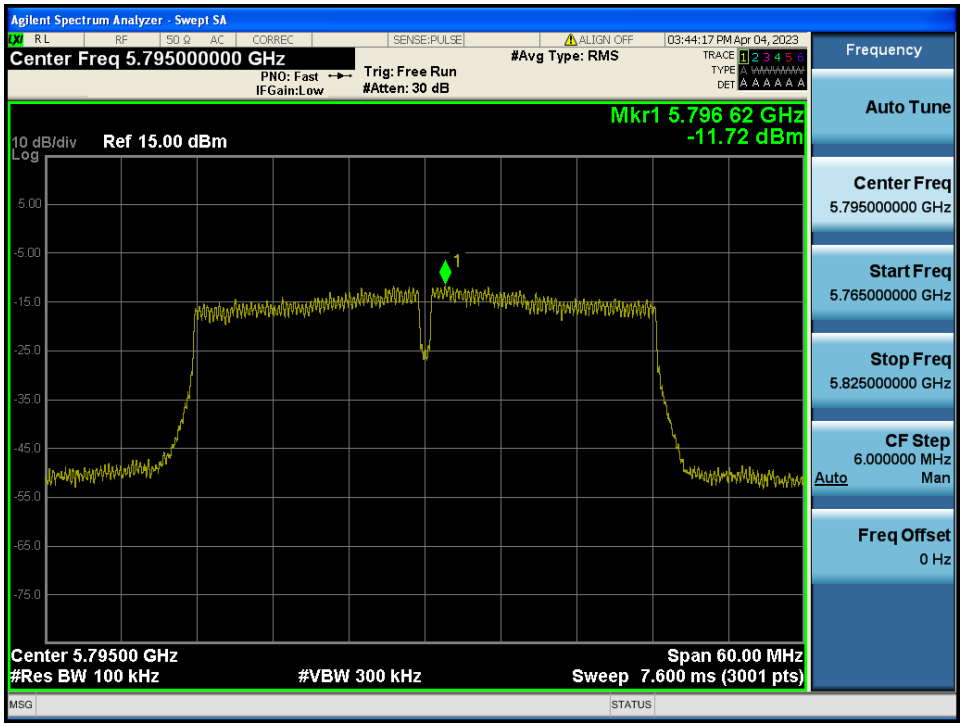
Maximum Power Spectral Density

Test Mode: TM 3 & ANT 2 & Ch.151



Maximum Power Spectral Density

Test Mode: TM 3 & ANT 2 & Ch.159



Maximum Power Spectral Density

Test Mode: TM 4 & ANT 2 & Ch.42

Maximum Power Spectral Density

Test Mode: TM 4 & ANT 2 & Ch.58

Maximum Power Spectral Density

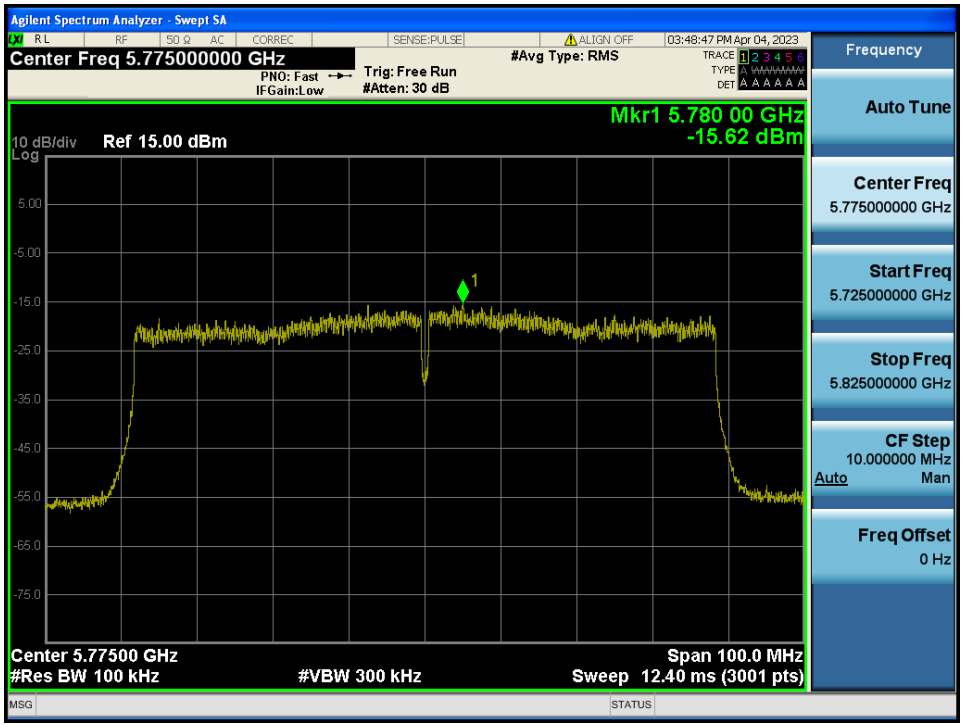
Test Mode: TM 4 & ANT 2 & Ch.106

Maximum Power Spectral Density

Test Mode: TM 4 & ANT 2 & Ch.138

Maximum Power Spectral Density

Test Mode: TM 4 & ANT 2 & 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]: General requirements

Frequency (MHz)	FCC Limit (uV/m)	IC Limit (μA/m)	Measurement Distance (m)
0.009 – 0.490	2 400 / F (kHz)	6.37/F (F in kHz)	300
0.490 – 1.705	24 000 / 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.

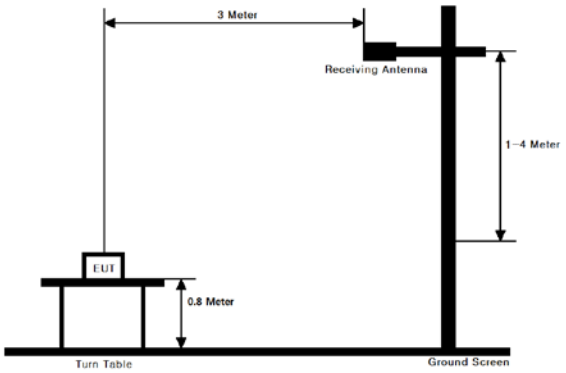
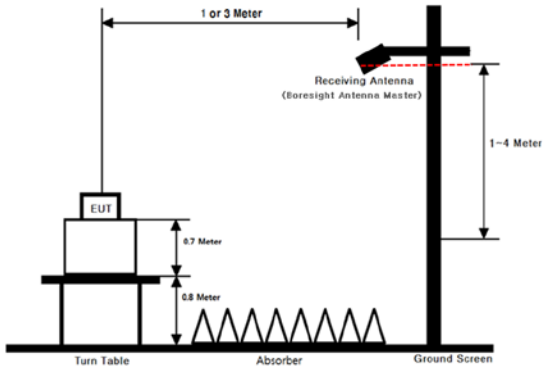
- Part 15.205(a): Restricted band of operation

MHz	MHz	MHz	MHz	GHz	GHz
0.009 ~ 0.110	8.414 25 ~ 8.414 75	108 ~ 121.94	1 300 ~ 1 427	4.5 ~ 5.15	14.47 ~ 14.5
0.495 ~ 0.505	12.29 ~ 12.293	123 ~ 138	1 435 ~ 1 626.5	5.35 ~ 5.46	15.35 ~ 16.2
2.173 5 ~ 2.190 5	12.519 75 ~ 12.520 25	149.9 ~ 150.05	1 645.5 ~ 1 646.5	7.25 ~ 7.75	17.7 ~ 21.4
4.125 ~ 4.128	12.576 75 ~ 12.577 25	156.524 75 ~ 156.525 25	1 660 ~ 1 710	8.025 ~ 8.5	22.01 ~ 23.12
4.177 25 ~ 4.177 75	13.36 ~ 13.41	156.7 ~ 156.9	1 718.8 ~ 1 722.2	9.0 ~ 9.2	23.6 ~ 24.0
4.207 25 ~ 4.207 75	16.42 ~ 16.423	162.012 5 ~ 167.17	2 200 ~ 2 300	9.3 ~ 9.5	31.2 ~ 31.8
6.215 ~ 6.218	16.694 75 ~ 16.695 25	167.72 ~ 173.2	2 310 ~ 2 390	10.6 ~ 12.7	36.43 ~ 36.5
6.267 75 ~ 6.268 25	16.804 25 ~ 16.804 75	240 ~ 285	2 483.5 ~ 2 500	13.25 ~ 13.4	Above 38.6
6.311 75 ~ 6.312 25	25.5 ~ 25.67	322 ~ 335.4	2 655 ~ 2 900		
8.291 ~ 8.294	37.5 ~ 38.25	399.90 ~ 410	3 260 ~ 3 267		
8.362 ~ 8.366	73 ~ 74.6	608 ~ 614	3 332 ~ 3 339		
8.376 25 ~ 8.386 75	74.8 ~ 75.2	960 ~ 1 240	3 345.8 ~ 3 358		
			3 600 ~ 4 400		

- RSS-Gen[8.10]: Restricted frequency bands

MHz	MHz	MHz	MHz	MHz	GHz
0.090 ~ 0.110	8.362 ~ 8.366	73 ~ 74.6	608 ~ 614	3 345.8 ~ 3 358	9.0 ~ 9.2
0.495 ~ 0.505	8.376 25 ~ 8.386 75	74.8 ~ 75.2	960 ~ 1 427	3 500 ~ 4 400	9.3 ~ 9.5
2.173 5 ~ 2.190 5	8.414 25 ~ 8.414 75	108 ~ 138	1 435 ~ 1 626.5	4 500 ~ 5 150	10.6 ~ 12.7
3.020 ~ 3.026	12.29 ~ 12.293	149.9 ~ 150.05	1 645.5 ~ 1 646.5	5 350 ~ 5 460	13.25 ~ 13.4
4.125 ~ 4.128	12.519 75 ~ 12.520 25	156.524 75 ~	1 660 ~ 1 710	7 250 ~ 7 750	14.47 ~ 14.5
4.177 25 ~ 4.177 75	12.576 75 ~ 12.577 25	156.525 25	1 718.8 ~ 1 722.2	8 025 ~ 8 500	15.35 ~ 16.2
4.207 25 ~ 4.207 75	13.36 ~ 13.41	156.7 ~ 156.9	2 200 ~ 2 300		17.7 ~ 21.4
5.677 ~ 5.683	16.42 ~ 16.423	162.01 25 ~ 167.17	2 310 ~ 2 390		22.01 ~ 23.12
6.215 ~ 6.218	16.694 75 ~ 16.695 25	167.72 ~ 173.2	2 483.5 ~ 2 500		23.6 ~ 24.0
6.267 75 ~ 6.268 25	16.804 25 ~ 16.804 75	240 ~ 285	2 655 ~ 2 900		31.2 ~ 31.8
6.311 75 ~ 6.312 25	25.5 ~ 25.67	322 ~ 335.4	3 260 ~ 3 267		36.43 ~ 36.5
8.291 ~ 8.294	37.5 ~ 38.25	399.90 ~ 410	3 332 ~ 3 339		Above 38.6

▣ Test Configuration

Below 1 GHz	Above 1 GHz
	

▣ 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 span / (# of points in sweep) ≤ 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	1.426	1.527	0.933 9	0.30
TM 2	MCS 0	1.336	1.435	0.931 0	0.31
TM 3	MCS 0	0.663	0.763	0.868 9	0.61
TM 4	MCS 0	0.332	0.431	0.769 0	1.14

Note1: Where, T = Transmission duration / x = Duty cycle
Note2: Please refer to the appendix II for duty cycle plots.

▣ Test Results

Test Notes

1. The radiated emissions were investigated 9 kHz to 40 GHz. And no other spurious and harmonic emissions were found below listed frequencies.
2. 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(tested distance / specified distance)
   At frequencies at or above 30 MHz = 20 log(tested distance / specified distance)
   When distance factor is “N/A”, the measurements were performed at the specified distance and distance factor is not applied.
3. Sample Calculation.
   Margin = Limit – Result / Result = Reading + TF+ DCCF + DCF / TF = AF + CL + HL + AL – 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
4. The limit is converted to field strength.
   E(dBuV/m) = EIRP(dBm) + 95.2 dB = -27 dBm + 95.2 = 68.2 dBuV/m

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

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	5 149.78	H	X	PK	63.00	3.39	N/A	N/A	66.39	74.00	7.61
		5 149.31	H	X	AV	44.89	3.39	0.30	N/A	48.58	54.00	5.42
		10 361.15	V	Z	PK	42.40	10.14	N/A	N/A	52.54	68.20	15.66
	5 200	10 400.01	V	Z	PK	42.69	10.48	N/A	N/A	53.17	68.20	15.03
	5 240	10 479.48	V	Z	PK	43.28	11.25	N/A	N/A	54.53	68.20	13.67
U-NII 2A	5 260	10 519.72	V	Z	PK	44.70	11.42	N/A	N/A	56.12	68.20	12.08
	5 300	10 598.58	V	Z	PK	43.71	11.37	N/A	N/A	55.08	68.20	13.12
		10 601.10	V	Z	PK	43.79	11.37	N/A	N/A	55.16	74.00	18.84
		10 600.84	V	Z	AV	33.72	11.37	0.30	N/A	45.39	54.00	8.61
	5 320	5 350.90	H	X	PK	62.58	3.82	N/A	N/A	66.40	74.00	7.60
		5 351.44	H	X	AV	43.92	3.82	0.30	N/A	48.04	54.00	5.96
		10 640.00	V	Z	PK	43.26	11.43	N/A	N/A	54.69	74.00	19.31
		10 640.15	V	Z	AV	33.11	11.43	0.30	N/A	44.84	54.00	9.16
U-NII 2C	5 500	5 459.37	H	X	PK	56.29	3.76	N/A	N/A	60.05	74.00	13.95
		5 458.88	H	X	AV	42.16	3.76	0.30	N/A	46.22	54.00	7.78
		5 468.66	H	X	PK	61.87	3.73	N/A	N/A	65.60	68.20	2.60
		11 000.23	V	Z	PK	45.05	11.44	N/A	N/A	56.49	74.00	17.51
		11 000.58	V	Z	AV	34.58	11.44	0.30	N/A	46.32	54.00	7.68
	5 580	11 158.35	V	Z	PK	45.07	10.84	N/A	N/A	55.91	74.00	18.09
		11 158.90	V	Z	AV	34.47	10.84	0.30	N/A	45.61	54.00	8.39
	5 720	11 440.07	V	Z	PK	43.89	9.70	N/A	N/A	53.59	74.00	20.41
		11 440.46	V	Z	AV	33.63	9.70	0.30	N/A	43.63	54.00	10.37
U-NII 3	5 745	5 638.48	H	X	PK	50.88	4.08	N/A	N/A	54.96	68.20	13.24
		5 719.95	H	X	PK	68.58	4.20	N/A	N/A	72.78	110.79	38.01
		11 492.30	V	X	PK	44.06	9.56	N/A	N/A	53.62	74.00	20.38
		11 492.14	V	Z	AV	33.64	9.56	0.30	N/A	43.50	54.00	10.50
	5 785	11 572.23	V	Z	PK	43.79	9.48	N/A	N/A	53.27	74.00	20.73
		11 571.63	V	Z	AV	33.38	9.48	0.30	N/A	43.16	54.00	10.84
	5 825	5 856.68	H	X	PK	65.48	3.84	N/A	N/A	69.32	110.33	41.01
		5 932.25	H	X	PK	50.83	4.70	N/A	N/A	55.53	68.20	12.67
		11 648.34	V	Z	PK	44.83	9.53	N/A	N/A	54.36	74.00	19.64
		11 647.91	V	Z	AV	34.32	9.53	0.30	N/A	44.15	54.00	9.85

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

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	5 149.76	H	X	PK	63.01	3.39	N/A	N/A	66.40	74.00	7.60
		5 149.61	H	X	AV	45.60	3.39	0.31	N/A	49.30	54.00	4.70
		10 360.65	V	Z	PK	41.71	10.14	N/A	N/A	51.85	68.20	16.35
	5 200	10 399.08	V	Z	PK	42.82	10.47	N/A	N/A	53.29	68.20	14.91
	5 240	10 481.93	V	Z	PK	43.24	11.28	N/A	N/A	54.52	68.20	13.68
U-NII 2A	5 260	10 520.39	V	Z	PK	43.66	11.42	N/A	N/A	55.08	68.20	13.12
	5 300	10 598.46	V	Z	PK	43.32	11.37	N/A	N/A	54.69	68.20	13.51
		10 601.91	V	Z	PK	44.26	11.37	N/A	N/A	55.63	74.00	18.37
		10 601.49	V	Z	AV	33.78	11.37	0.31	N/A	45.46	54.00	8.54
	5 320	5 350.57	H	X	PK	61.83	3.82	N/A	N/A	65.65	74.00	8.35
		5 351.27	H	X	AV	44.94	3.82	0.31	N/A	49.07	54.00	4.93
		10 642.10	V	Z	PK	43.91	11.43	N/A	N/A	55.34	74.00	18.66
		10 641.63	V	Z	AV	33.23	11.43	0.31	N/A	44.97	54.00	9.03
U-NII 2C	5 500	5 458.16	H	X	PK	55.93	3.76	N/A	N/A	59.69	74.00	14.31
		5 457.92	H	X	AV	42.47	3.76	0.31	N/A	46.54	54.00	7.46
		5 468.91	V	Z	PK	60.15	3.73	N/A	N/A	63.88	68.20	4.32
		11 001.88	V	Z	PK	46.06	11.43	N/A	N/A	57.49	74.00	16.51
		11 001.78	V	Z	AV	34.41	11.43	0.31	N/A	46.15	54.00	7.85
	5 580	11 158.81	V	Z	PK	44.48	10.84	N/A	N/A	55.32	74.00	18.68
		11 159.35	V	Z	AV	34.42	10.84	0.31	N/A	45.57	54.00	8.43
	5 720	11 440.03	V	Z	PK	44.29	9.70	N/A	N/A	53.99	74.00	20.01
		11 439.03	V	Z	AV	33.90	9.71	0.31	N/A	43.92	54.00	10.08
U-NII 3	5 745	5 637.50	H	X	PK	51.45	4.08	N/A	N/A	55.53	68.20	12.67
		5 718.58	H	X	PK	65.23	4.20	N/A	N/A	69.43	110.40	40.97
		11 489.67	V	Z	PK	44.82	9.56	N/A	N/A	54.38	74.00	19.62
		11 489.23	V	Z	AV	33.64	9.57	0.31	N/A	43.52	54.00	10.48
	5 785	11 571.86	V	Z	PK	43.87	9.48	N/A	N/A	53.35	74.00	20.65
		11 571.69	V	Z	AV	33.43	9.48	0.31	N/A	43.22	54.00	10.78
	5 825	5 858.74	H	X	PK	65.61	3.84	N/A	N/A	69.45	109.75	40.30
		5 928.32	H	X	PK	51.47	4.67	N/A	N/A	56.14	68.20	12.06
		11 651.98	V	Z	PK	45.15	9.53	N/A	N/A	54.68	74.00	19.32
		11 651.45	V	Z	AV	34.12	9.53	0.31	N/A	43.96	54.00	10.04

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

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	5 149.86	H	X	PK	59.20	3.39	N/A	N/A	62.59	74.00	11.41
		5 149.73	H	X	AV	46.16	3.39	0.61	N/A	50.16	54.00	3.84
		10 377.84	V	Z	PK	42.62	10.29	N/A	N/A	52.91	68.20	15.29
	5 230	10 461.70	V	Z	PK	43.37	11.10	N/A	N/A	54.47	68.20	13.73
U-NII 2A	5 270	10 539.71	V	Z	PK	44.31	11.41	N/A	N/A	55.72	68.20	12.48
	5 310	5 350.50	H	X	PK	59.22	3.82	N/A	N/A	63.04	74.00	10.96
		5 350.56	H	X	AV	45.23	3.82	0.61	N/A	49.66	54.00	4.34
		10 619.51	V	Z	PK	43.49	11.40	N/A	N/A	54.89	74.00	19.11
		10 619.79	V	Z	AV	32.64	11.40	0.61	N/A	44.65	54.00	9.35
U-NII 2C	5 510	5 459.26	H	X	PK	51.62	3.76	N/A	N/A	55.38	74.00	18.62
		5 467.56	H	X	PK	56.58	3.74	N/A	N/A	60.32	68.20	7.88
		5 459.64	V	Z	AV	41.91	3.76	0.61	N/A	46.28	54.00	7.72
		11 021.41	V	Z	PK	45.42	11.35	N/A	N/A	56.77	74.00	17.23
		11 021.53	V	Z	AV	34.47	11.35	0.61	N/A	46.43	54.00	7.57
	5 550	11 099.73	V	Z	PK	43.37	11.10	N/A	N/A	54.47	74.00	19.53
		11 099.03	V	Z	AV	33.55	11.10	0.61	N/A	45.26	54.00	8.74
	5 710	11 421.70	V	Z	PK	43.73	9.78	N/A	N/A	53.51	74.00	20.49
		11 421.73	V	Z	AV	33.60	9.78	0.61	N/A	43.99	54.00	10.01
U-NII 3	5 755	5 644.65	H	X	PK	51.67	4.09	N/A	N/A	55.76	68.20	12.44
		5 709.75	H	X	PK	68.27	4.21	N/A	N/A	72.48	107.93	35.45
		11 507.65	V	Z	PK	44.42	9.53	N/A	N/A	53.95	74.00	20.05
		11 508.14	V	Z	AV	33.35	9.53	0.61	N/A	43.49	54.00	10.51
	5 795	5 880.04	H	X	PK	56.50	4.25	N/A	N/A	60.75	101.47	40.72
		5 928.08	H	X	PK	50.48	4.67	N/A	N/A	55.15	68.20	13.05
		11 591.43	V	Z	PK	43.42	9.50	N/A	N/A	52.92	74.00	21.08
		11 592.24	V	Z	AV	33.30	9.50	0.61	N/A	43.41	54.00	10.59

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

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	5 149.71	H	X	PK	59.13	3.39	N/A	N/A	62.52	74.00	11.48
		5 149.38	H	X	AV	45.53	3.39	1.14	N/A	50.06	54.00	3.94
		10 421.61	V	Z	PK	42.28	10.70	N/A	N/A	52.98	68.20	15.22
U-NII 2A	5 290	5 351.60	H	X	PK	55.73	3.82	N/A	N/A	59.55	74.00	14.45
		5 352.09	H	X	AV	44.42	3.82	1.14	N/A	49.38	54.00	4.62
		10 581.71	V	Z	PK	42.58	11.38	N/A	N/A	53.96	68.20	14.24
U-NII 2C	5 530	5 459.23	H	X	PK	56.54	3.76	N/A	N/A	60.30	74.00	13.70
		5 469.85	H	X	PK	60.94	3.73	N/A	N/A	64.67	68.20	3.53
		5 459.46	H	X	AV	44.81	3.76	1.14	N/A	49.71	54.00	4.29
		11 058.97	V	Z	PK	44.31	11.20	N/A	N/A	55.51	74.00	18.49
		11 058.51	V	Z	AV	34.11	11.20	1.14	N/A	46.45	54.00	7.55
	5 690	11 380.94	V	Z	PK	43.82	9.93	N/A	N/A	53.75	74.00	20.25
		11 380.14	V	Z	AV	33.44	9.93	1.14	N/A	44.51	54.00	9.49
U-NII 3	5 775	5 645.48	H	X	PK	54.85	4.10	N/A	N/A	58.95	68.20	9.25
		5 678.50	H	X	PK	59.40	4.14	N/A	N/A	63.54	89.29	25.75
		5 883.52	H	X	PK	56.10	4.29	N/A	N/A	60.39	98.90	38.51
		5 928.52	H	X	PK	55.66	4.67	N/A	N/A	60.33	68.20	7.87
		11 552.43	V	Z	PK	43.51	9.47	N/A	N/A	52.98	74.00	21.02
		11 552.15	V	Z	AV	33.28	9.47	1.14	N/A	43.89	54.00	10.11

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

Refer to the next page. The worst case data was reported.

AC Power-Line Conducted Emissions (Graph)

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

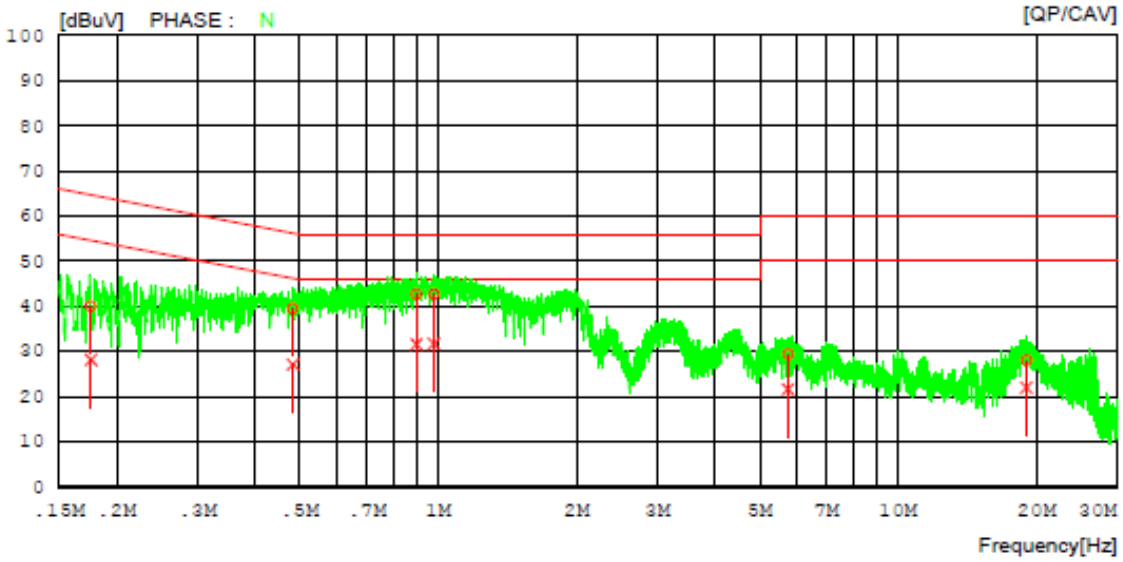
Results of Conducted Emission

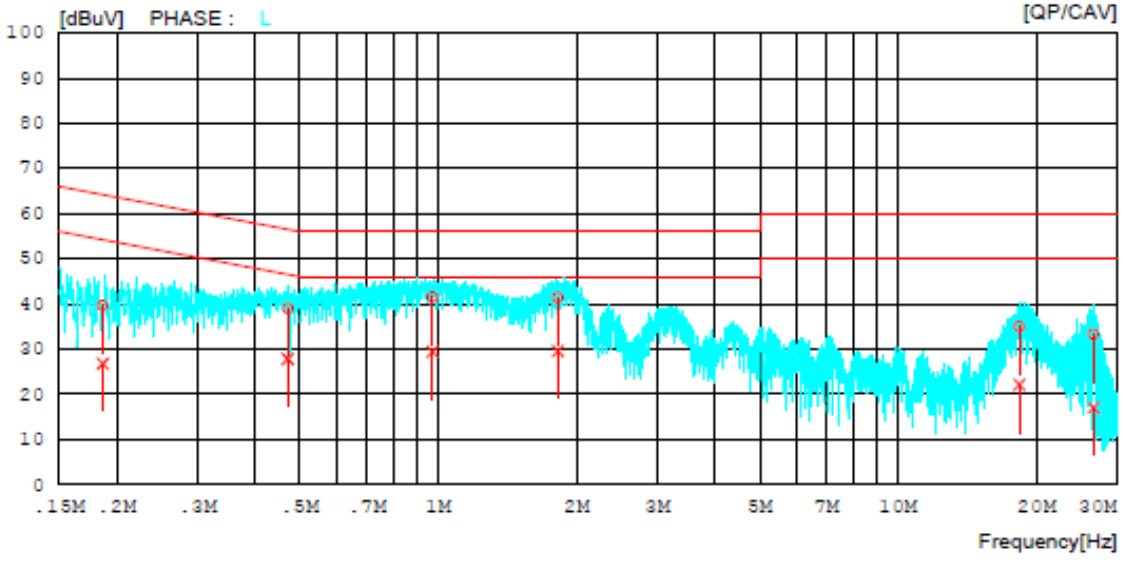
DTNC

Date 2023-03-31

Order No.		Referrence No.	
Model No.	PM560	Power Supply	
Serial No.		Temp/Humi.	21 'C / 41 %
Test Condition	WLAN 5G	Operator	S.M.Gil
Memo	a_5180		

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





AC Power-Line Conducted Emissions (Data List)

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

Results of Conducted Emission

DTNC

Date 2023-03-31

Order No.		Referrence No.	
Model No.	PM560	Power Supply	
Serial No.		Temp/Humi.	21 'C / 41 %
Test Condition	WLAN 5G	Operator	S.M.Gil
Memo	a_5180		

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

NO	FREQ	READING		C.FACTOR	RESULT		LIMIT		MARGIN		PHASE
		QP	CAV		QP	CAV	QP	CAV	QP	CAV	
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.17568	30.07	18.28	9.99	40.06	28.27	64.69	54.69	24.63	26.42	N
2	0.48304	29.53	17.17	10.00	39.53	27.17	56.29	46.29	16.76	19.12	N
3	0.89666	32.72	21.69	10.00	42.72	31.69	56.00	46.00	13.28	14.31	N
4	0.97844	32.71	21.74	10.01	42.72	31.75	56.00	46.00	13.28	14.25	N
5	5.76660	19.25	11.40	10.21	29.46	21.61	60.00	50.00	30.54	28.39	N
6	19.02840	17.48	11.51	10.56	28.04	22.07	60.00	50.00	31.96	27.93	N
7	0.18660	29.71	16.94	9.89	39.60	26.83	64.19	54.19	24.59	27.36	L
8	0.47098	29.12	17.86	9.90	39.02	27.76	56.50	46.50	17.48	18.74	L
9	0.97200	31.55	19.44	9.98	41.53	29.42	56.00	46.00	14.47	16.58	L
10	1.82100	31.34	19.57	10.04	41.38	29.61	56.00	46.00	14.62	16.39	L
11	18.35040	24.62	11.72	10.35	34.97	22.07	60.00	50.00	25.03	27.93	L
12	26.63520	22.88	6.73	10.35	33.23	17.08	60.00	50.00	26.77	32.92	L

AC Power-Line Conducted Emissions (Graph)

Test Mode: U-NII 2A & TM 1 & 5 260 MHz

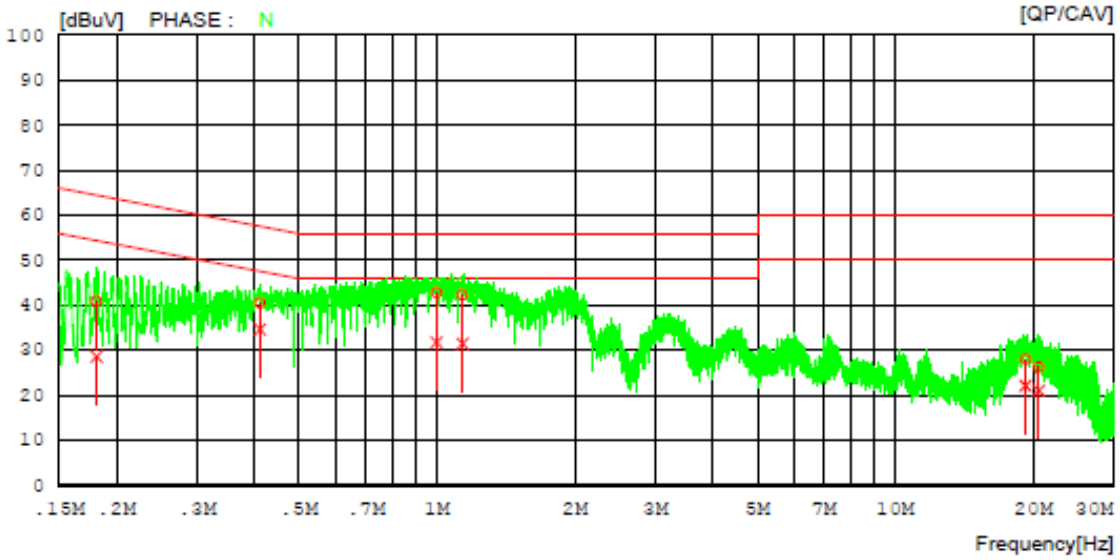
Results of Conducted Emission

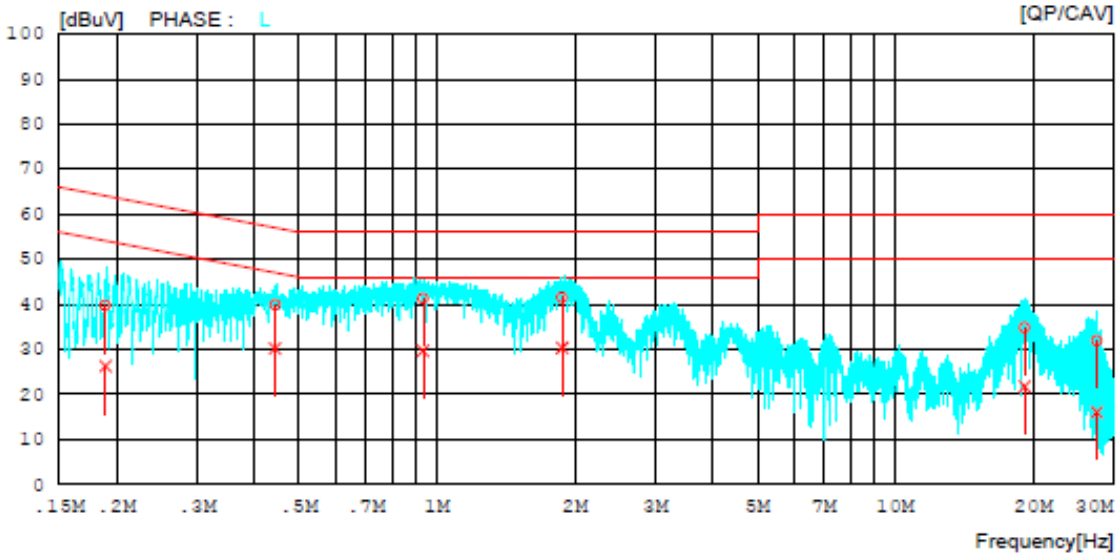
DTNC

Date 2023-03-31

Order No.		Referrence No.	
Model No.	PM560	Power Supply	
Serial No.		Temp/Humi.	21 'C / 41 %
Test Condition	WLAN 5G	Operator	S.M.Gil
Memo	a_5260		

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





AC Power-Line Conducted Emissions (Data List)

Test Mode: U-NII 2A & TM 1 & 5 260 MHz

Results of Conducted Emission

DTNC

Date 2023-03-31

Order No.		Referrence No.	
Model No.	PM560	Power Supply	
Serial No.		Temp/Humi.	21 'C / 41 %
Test Condition	WLAN 5G	Operator	S.M.Gil
Memo	a_5260		

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

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.18077	30.90	18.65	9.99	40.89	28.64	64.45	54.45	23.56	25.81	N
2	0.41101	30.56	24.63	9.99	40.55	34.62	57.63	47.63	17.08	13.01	N
3	0.99900	32.78	21.71	10.01	42.79	31.72	56.00	46.00	13.21	14.28	N
4	1.13700	32.32	21.50	10.01	42.33	31.51	56.00	46.00	13.67	14.49	N
5	19.24520	17.49	11.62	10.56	28.05	22.18	60.00	50.00	31.95	27.82	N
6	20.54920	15.69	10.52	10.55	26.24	21.07	60.00	50.00	33.76	28.93	N
7	0.18931	29.88	16.39	9.89	39.77	26.28	64.07	54.07	24.30	27.79	L
8	0.44367	29.92	20.33	9.90	39.82	30.23	56.99	46.99	17.17	16.76	L
9	0.93272	31.34	19.79	9.94	41.28	29.73	56.00	46.00	14.72	16.27	L
10	1.87500	31.52	20.24	10.04	41.56	30.28	56.00	46.00	14.44	15.72	L
11	19.15840	24.43	11.39	10.36	34.79	21.75	60.00	50.00	25.21	28.25	L
12	27.53020	21.54	5.67	10.36	31.90	16.03	60.00	50.00	28.10	33.97	L

AC Power-Line Conducted Emissions (Graph)

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

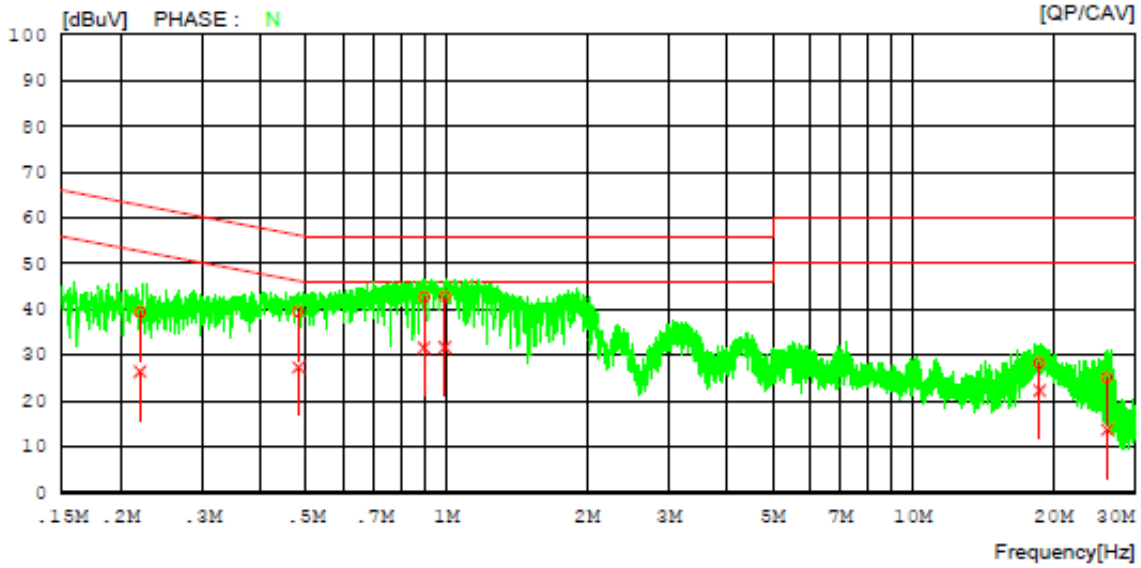
Results of Conducted Emission

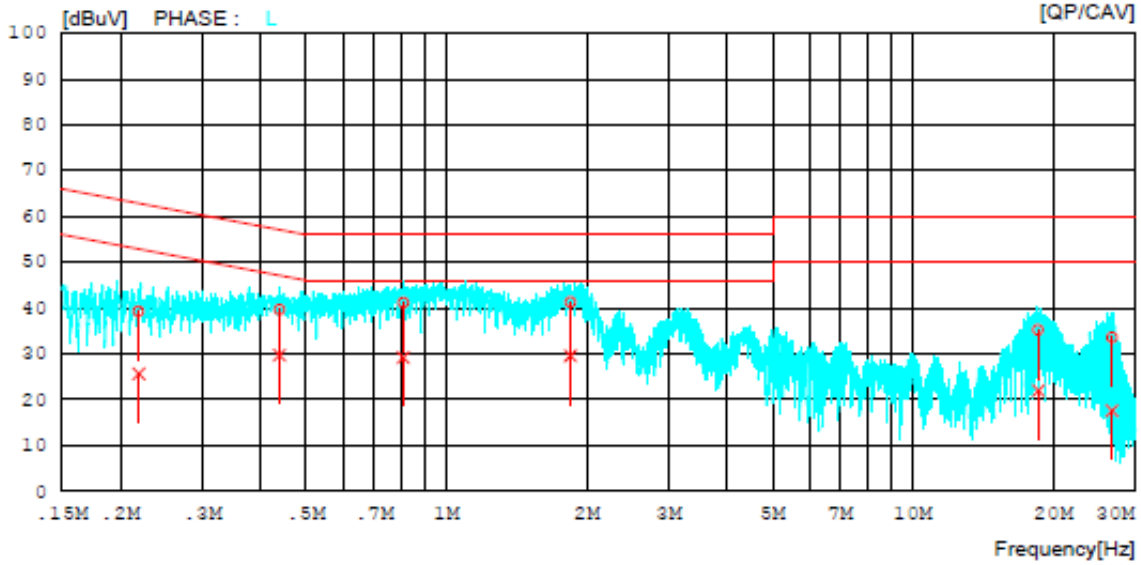
DTNC

Date 2023-03-31

Order No.		Referrence No.	
Model No.	PM560	Power Supply	
Serial No.		Temp/Humi.	21 'C / 41 %
Test Condition	WLAN 5G	Operator	S.M.Gil
Memo	a_5500		

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 2023-03-31

Order No.		Referrence No.	
Model No.	PM560	Power Supply	
Serial No.		Temp/Humi.	21 'C / 41 %
Test Condition	WLAN 5G	Operator	S.M.Gil
Memo	a_5500		

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

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.22050	29.39	16.43	9.98	39.37	26.41	62.80	52.80	23.43	26.39	N
2	0.48119	29.51	17.39	10.00	39.51	27.39	56.32	46.32	16.81	18.93	N
3	0.89557	32.69	21.69	10.00	42.69	31.69	56.00	46.00	13.31	14.31	N
4	0.99260	32.86	21.75	10.01	42.87	31.76	56.00	46.00	13.13	14.24	N
5	18.68200	17.68	11.75	10.56	28.24	22.31	60.00	50.00	31.76	27.69	N
6	26.12040	14.48	3.15	10.61	25.09	13.76	60.00	50.00	34.91	36.24	N
7	0.21879	29.35	15.81	9.88	39.23	25.69	62.86	52.86	23.63	27.17	L
8	0.43892	29.71	19.79	9.90	39.61	29.69	57.08	47.08	17.47	17.39	L
9	0.80807	31.25	19.25	9.90	41.15	29.15	56.00	46.00	14.85	16.85	L
10	1.84420	31.18	19.51	10.04	41.22	29.55	56.00	46.00	14.78	16.45	L
11	18.58040	24.77	11.66	10.36	35.13	22.02	60.00	50.00	24.87	27.98	L
12	26.72460	23.18	7.19	10.35	33.53	17.54	60.00	50.00	26.47	32.46	L

AC Power-Line Conducted Emissions (Graph)

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

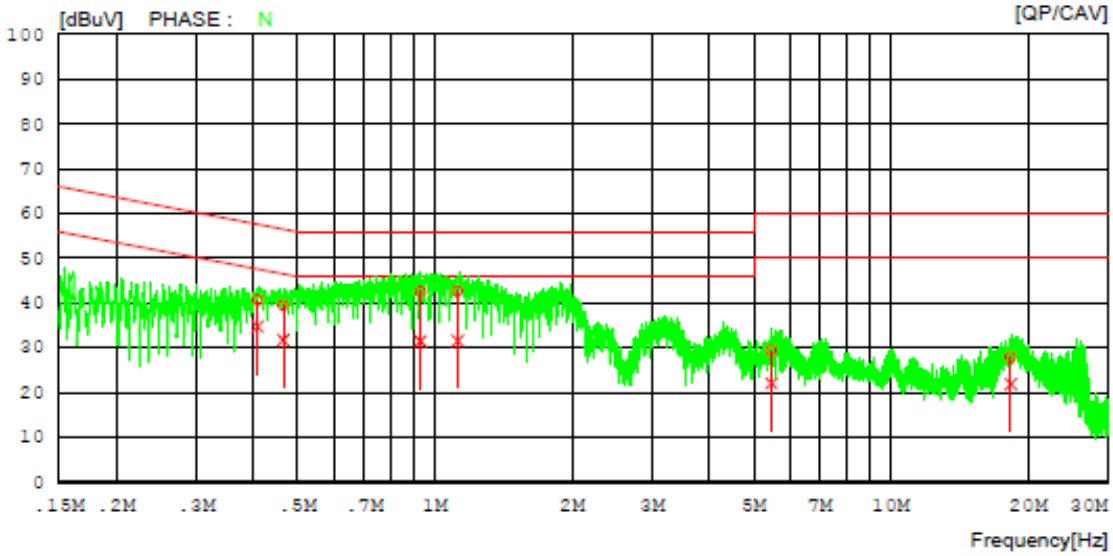
Results of Conducted Emission

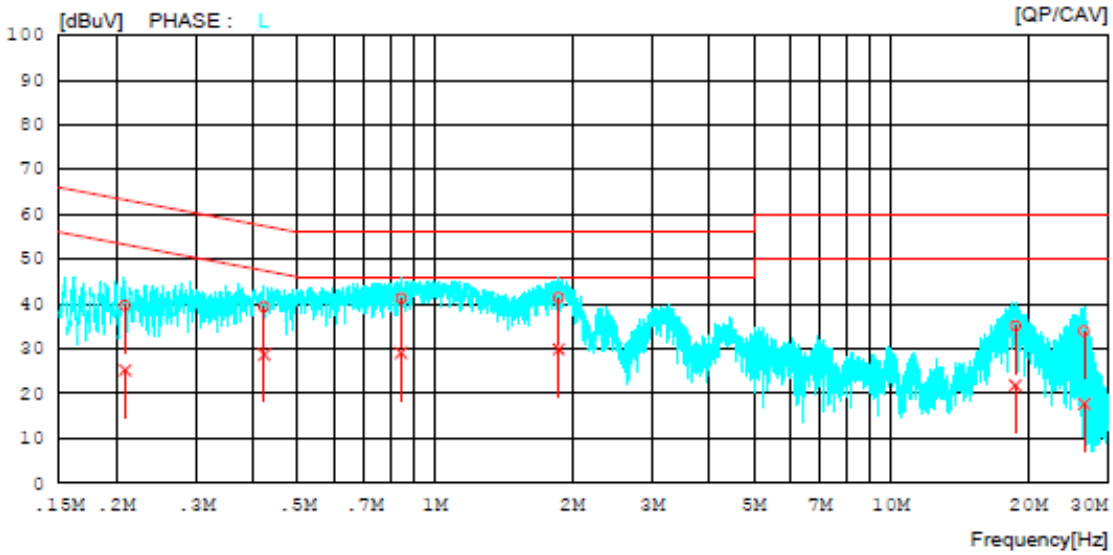
DTNC

Date 2023-03-31

Order No.		Referrence No.	
Model No.	PM560	Power Supply	
Serial No.		Temp/Humi.	21 'C / 41 %
Test Condition	WLAN 5G	Operator	S.M.Gil
Memo	a_5745		

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





AC Power-Line Conducted Emissions (Data List)

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

Results of Conducted Emission

DTNC

Date 2023-03-31

Order No.		Referrence No.	
Model No.	PM560	Power Supply	
Serial No.		Temp/Humi.	21 'C / 41 %
Test Condition	WLAN 5G	Operator	S.M.Gil
Memo	a_5745		

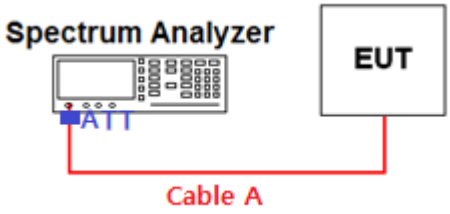
LIMIT : FCC P15.207 AV
FCC P15.207 QP

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.40861	30.65	24.79	9.99	40.64	34.78	57.68	47.68	17.04	12.90	N
2	0.46497	29.52	21.76	10.00	39.52	31.76	56.60	46.60	17.08	14.84	N
3	0.92907	32.56	21.48	10.01	42.57	31.49	56.00	46.00	13.43	14.51	N
4	1.12140	32.64	21.65	10.01	42.65	31.66	56.00	46.00	13.35	14.34	N
5	5.47460	19.21	11.90	10.21	29.42	22.11	60.00	50.00	30.58	27.89	N
6	18.30520	17.38	11.41	10.55	27.93	21.96	60.00	50.00	32.07	28.04	N
7	0.20921	29.66	15.33	9.88	39.54	25.21	63.24	53.24	23.70	28.03	L
8	0.42205	29.48	18.79	9.89	39.37	28.68	57.41	47.41	18.04	18.73	L
9	0.84346	31.31	19.14	9.90	41.21	29.04	56.00	46.00	14.79	16.96	L
10	1.86760	31.33	19.82	10.04	41.37	29.86	56.00	46.00	14.63	16.14	L
11	18.76080	24.74	11.44	10.36	35.10	21.80	60.00	50.00	24.90	28.20	L
12	26.54280	23.51	7.30	10.35	33.86	17.65	60.00	50.00	26.14	32.35	L

APPENDIX I

Conducted Test set up Diagram

▪ Conducted Measurement



APPENDIX II

Duty Cycle Information

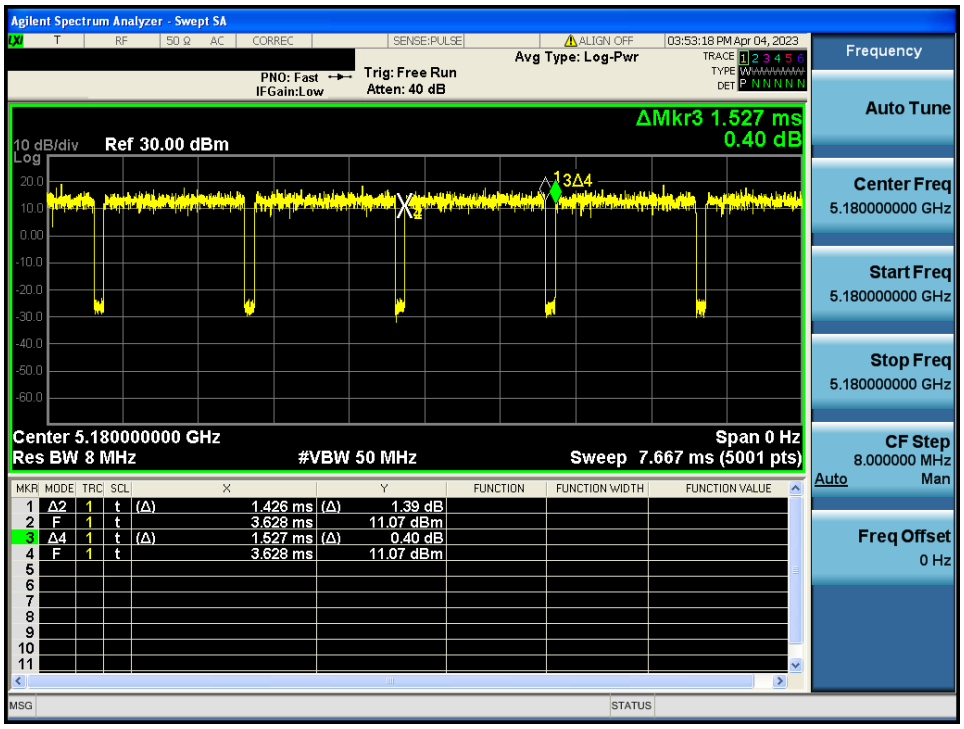
▣ Test Procedure

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

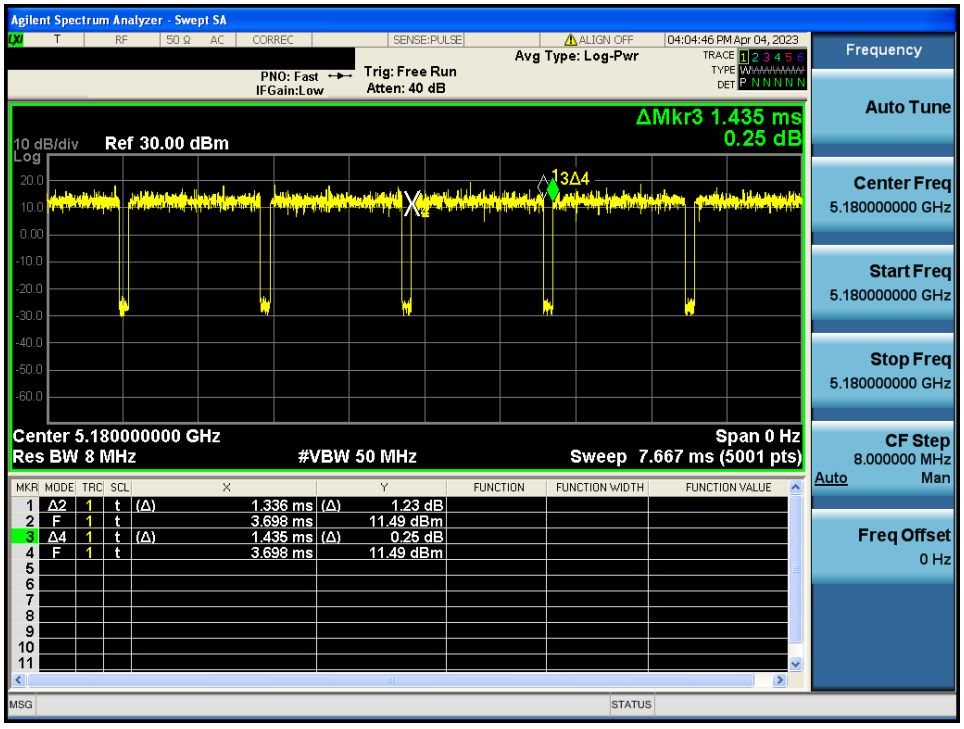
1. Set the center frequency of the spectrum analyzer to the center frequency of the transmission.
2. Set RBW ≥ EBW if possible; otherwise, set RBW to the largest available value.
3. Set VBW ≥ RBW. Set detector = peak.
4. Note : The zero-span measurement method shall not be used unless both **RBW and 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* ≤ 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)

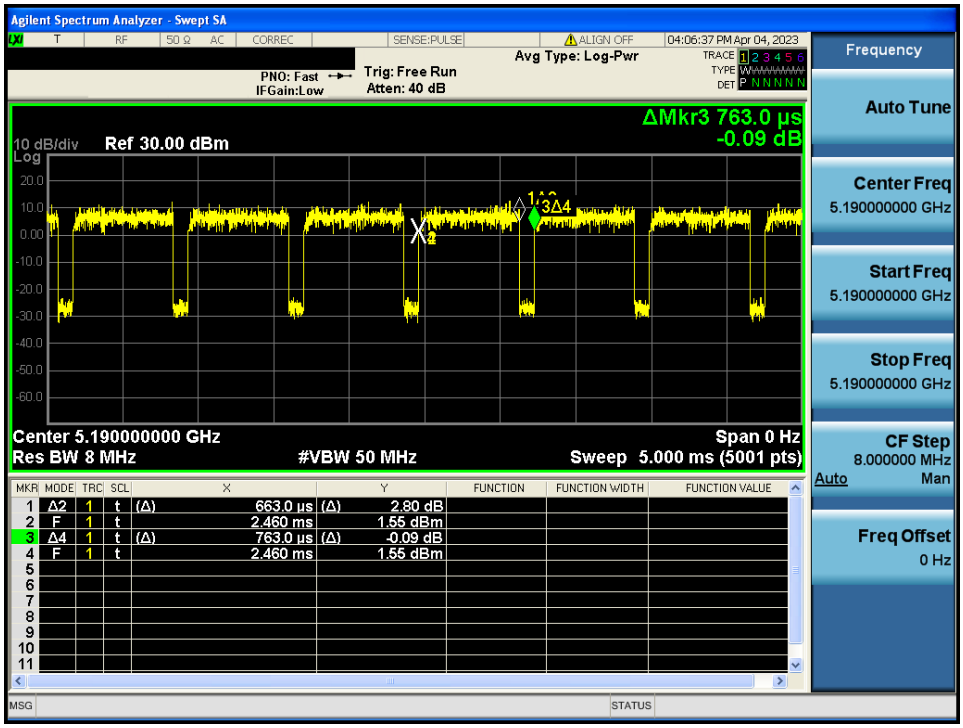
Duty Cycle Test Mode: TM1 & Ch.36



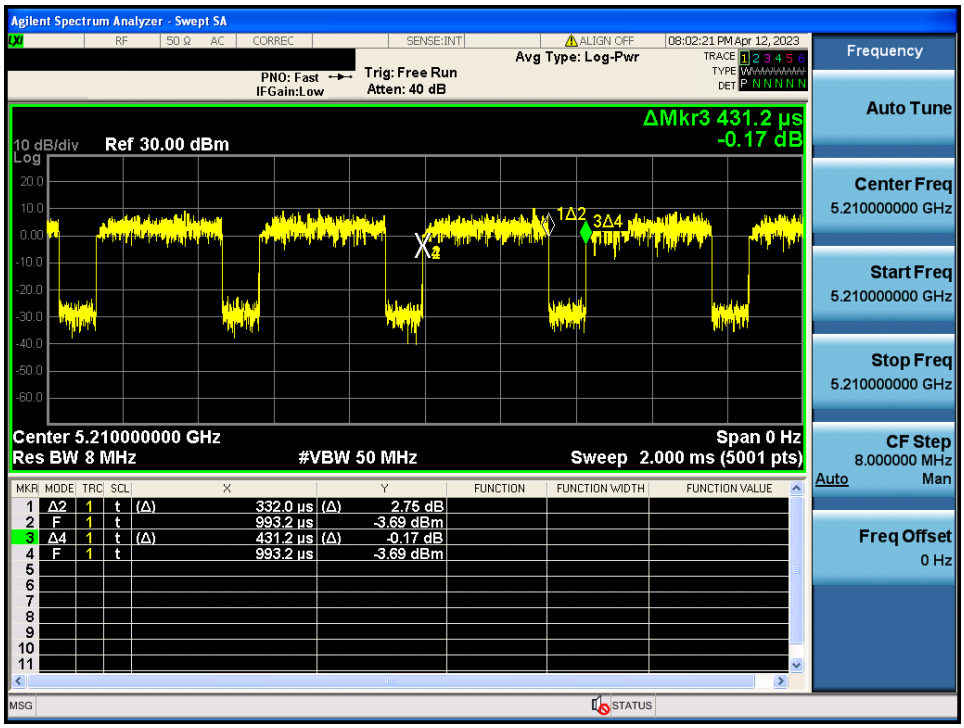
Duty Cycle Test Mode: TM 2 & Ch.36



Duty Cycle Test Mode: TM 3 & Ch.38



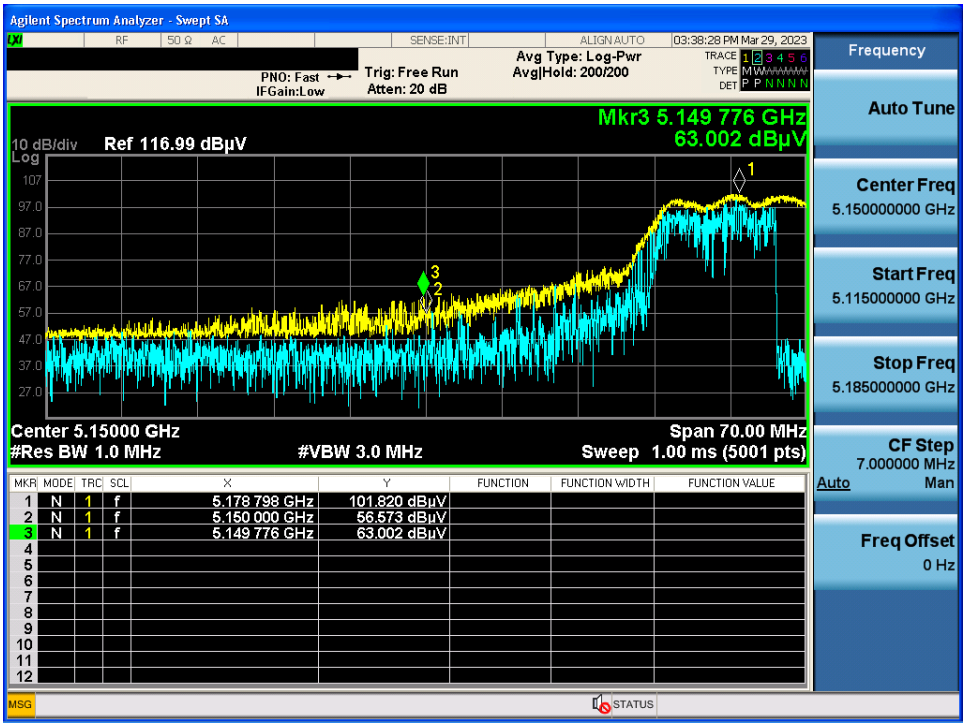
Duty Cycle Test Mode: TM 4 & Ch.42



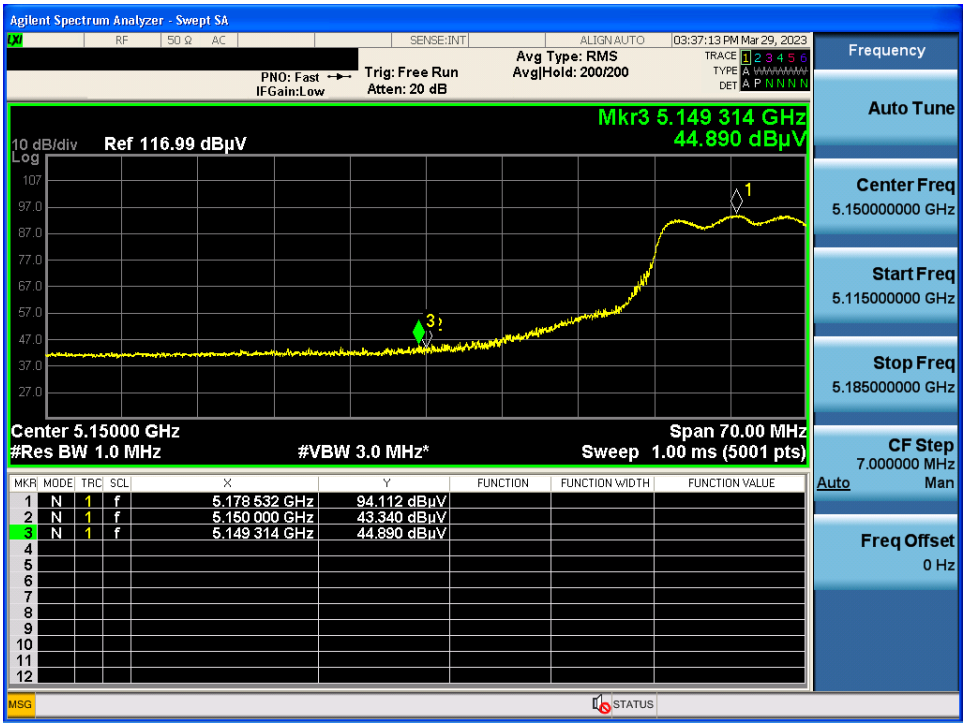
APPENDIX III

Unwanted Emissions (Radiated) Test Plot:

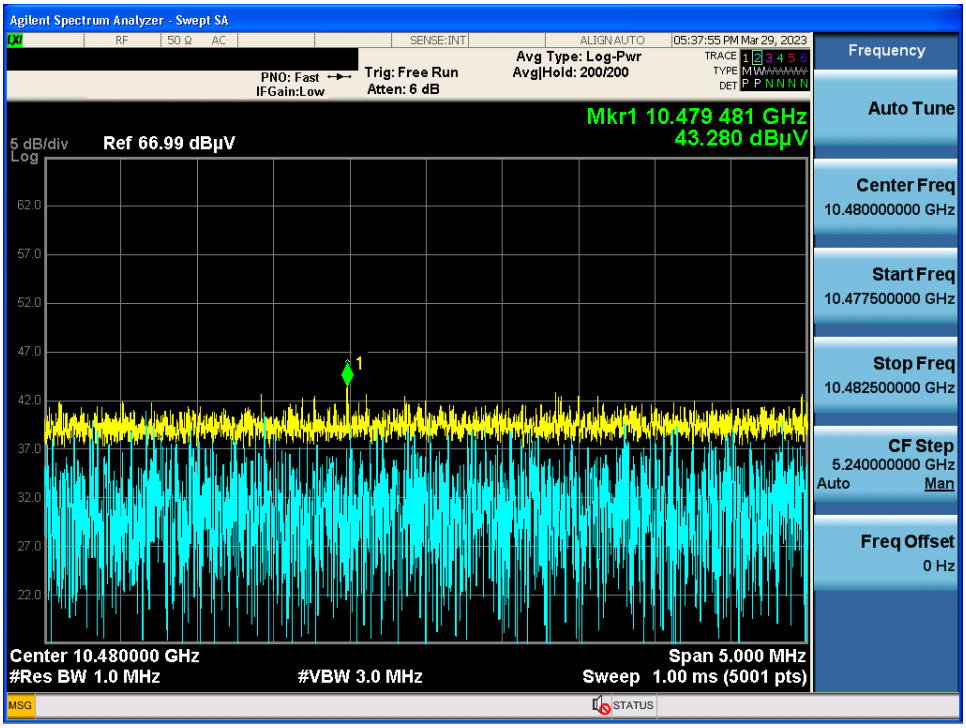
TM 1 & U-NII 1 & 5 180 & X axis & Hor **Detector Mode : PK**



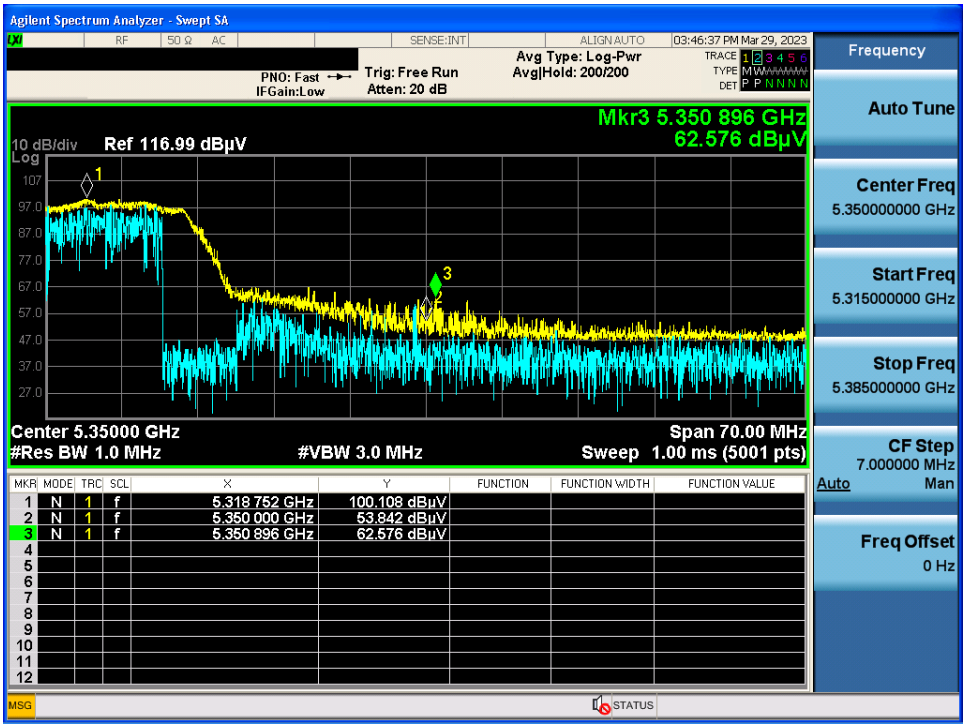
TM 1 & U-NII 1 & 5 180 & X axis & Hor **Detector Mode : AV**



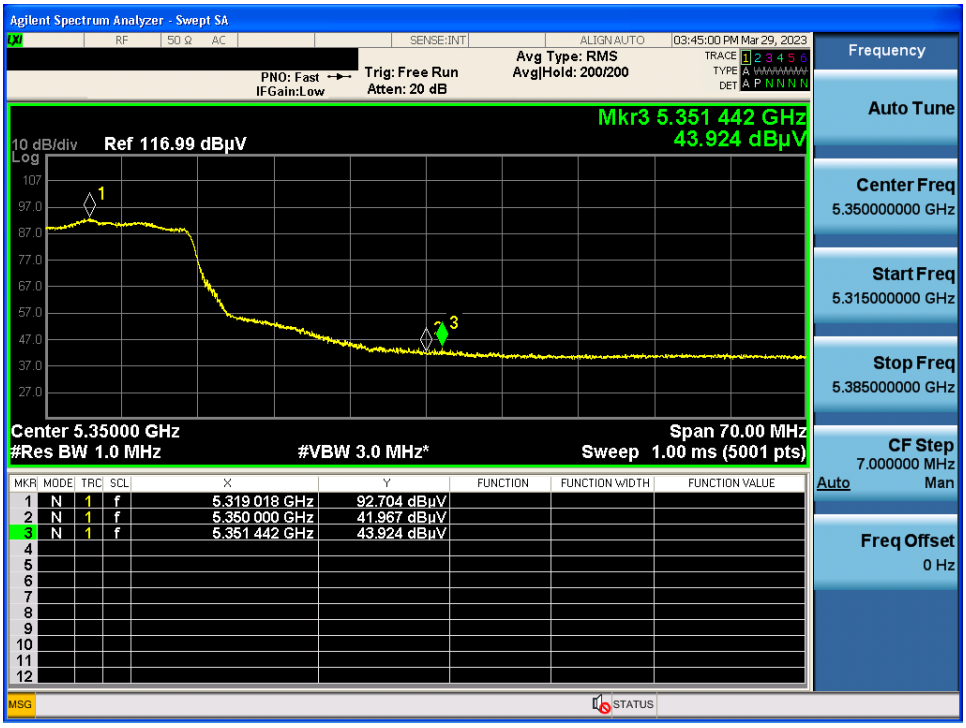
TM 1 & U-NII 1 & 5 240 & Z axis & Ver **Detector Mode : PK**



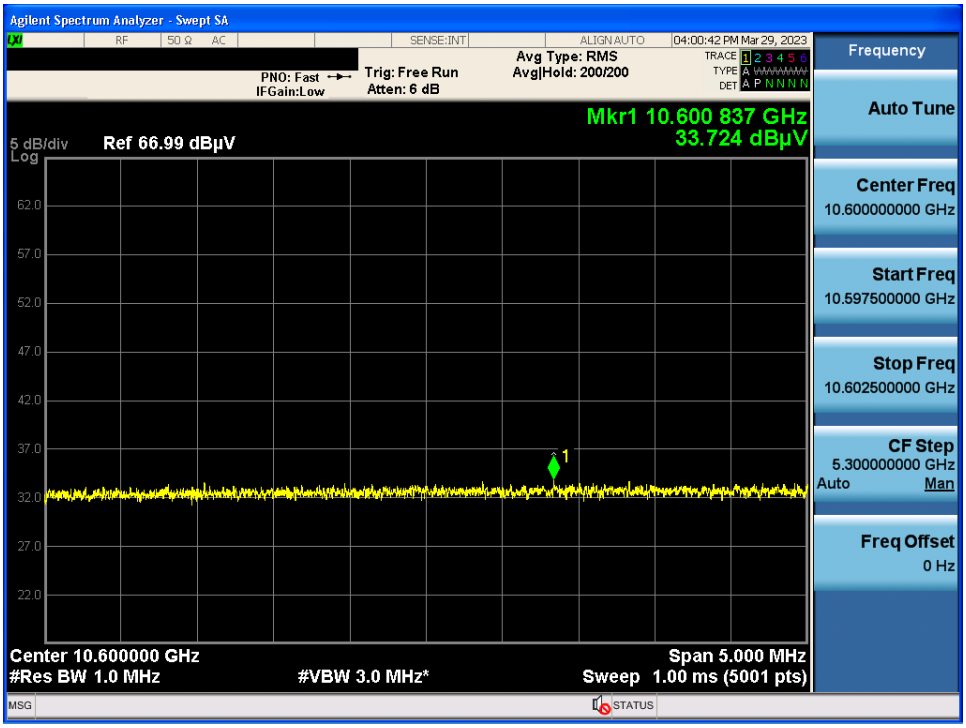
TM 1 & U-NII 2A & 5 320 & X axis & Hor **Detector Mode : PK**



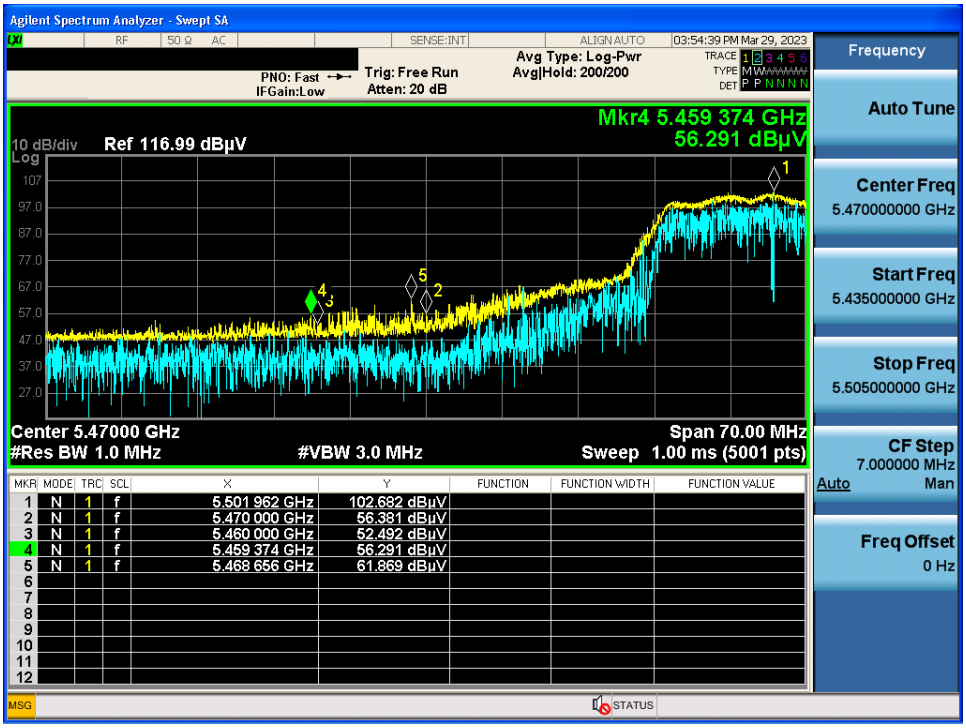
TM 1 & U-NII 2A & 5 320 & X axis & Hor **Detector Mode : AV**



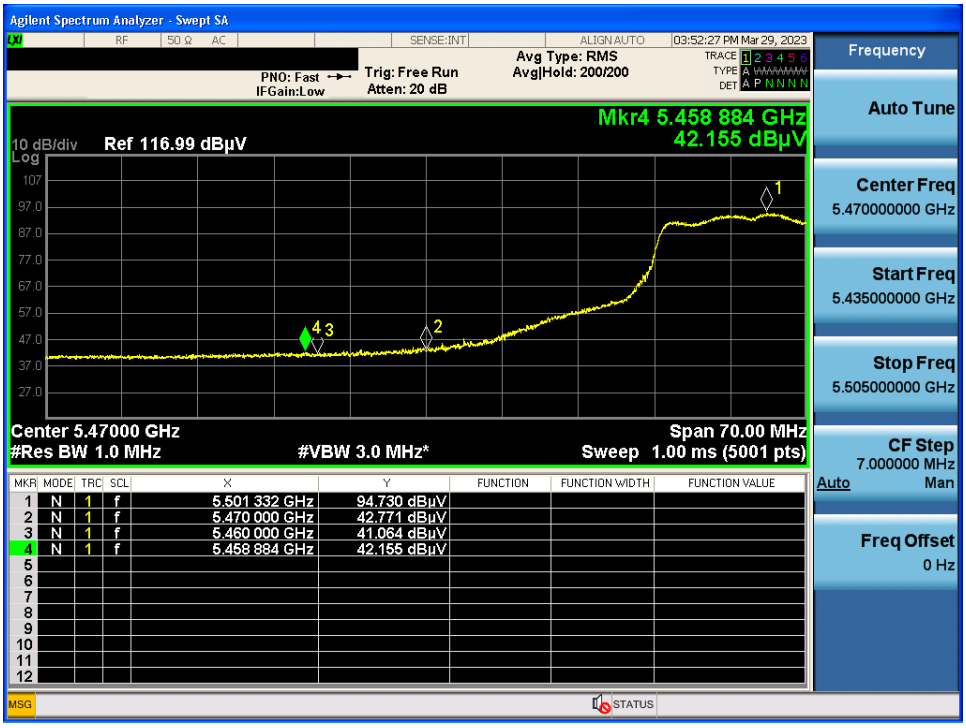
TM 1 & U-NII 2A & 5 300 & Z axis & Ver **Detector Mode : AV**



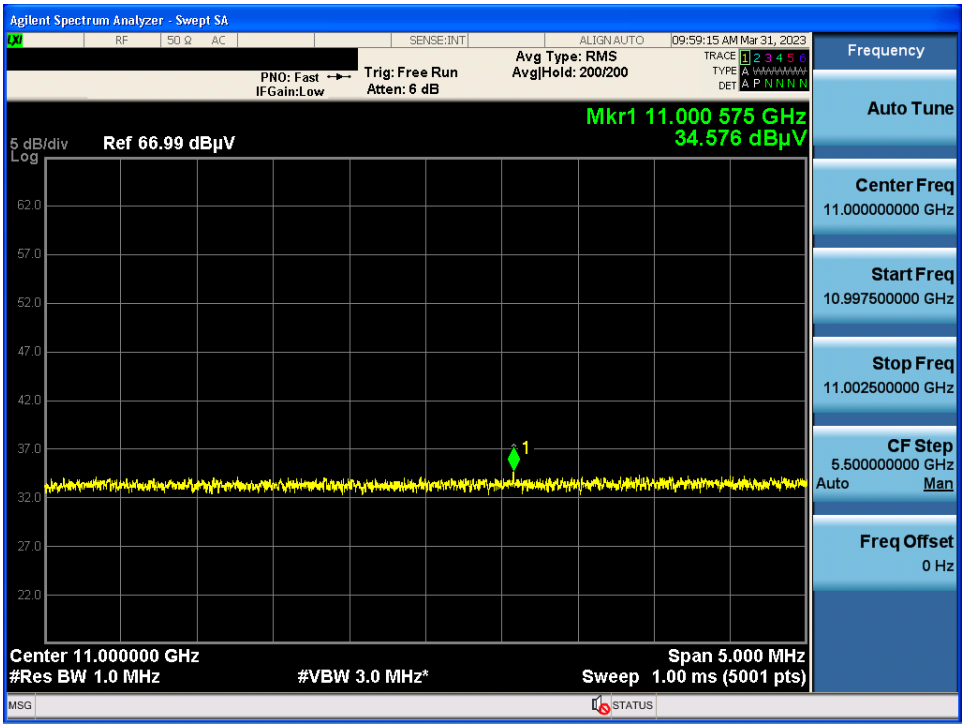
TM 1 & U-NII 2C & 5 500 & X axis & Hor **Detector Mode : PK**



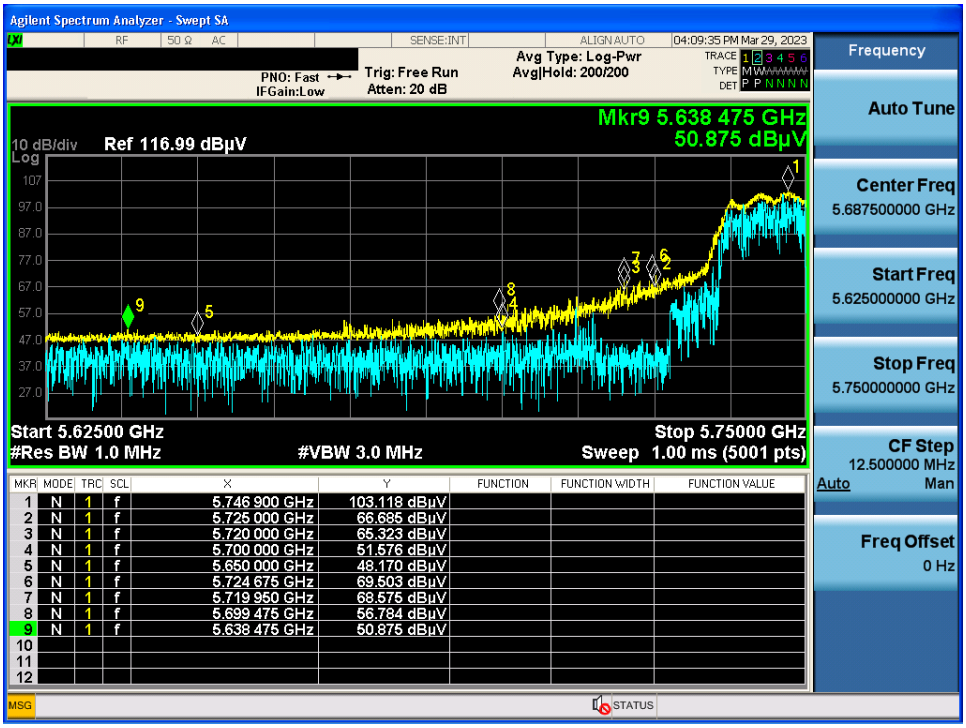
TM 1 & U-NII 2C & 5 500 & X axis & Hor **Detector Mode : AV**



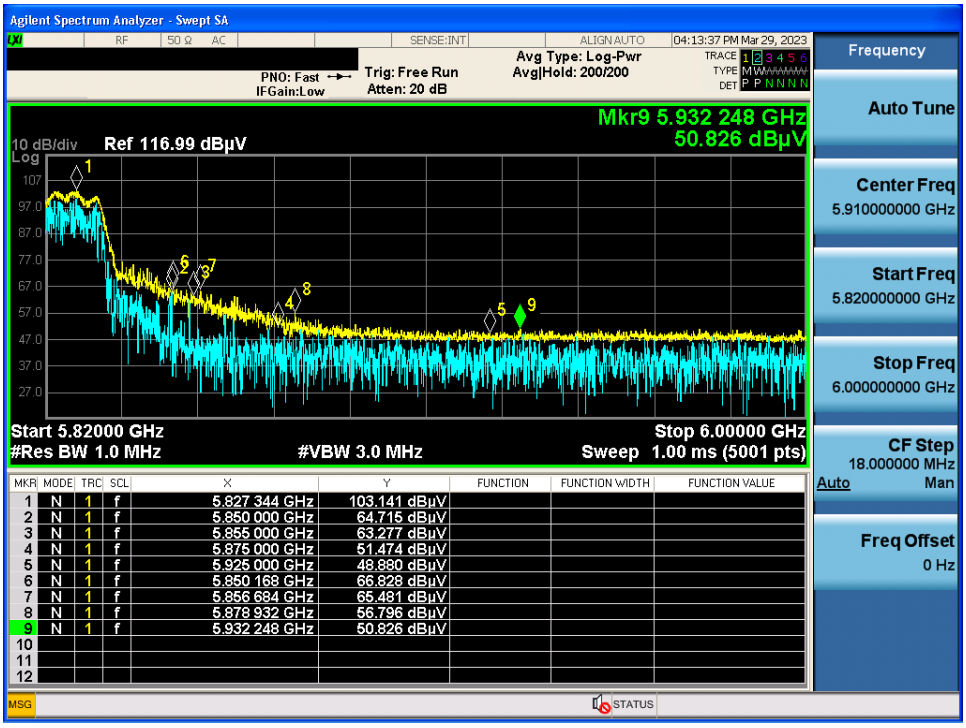
TM 1 & U-NII 2C & 5 550 & Z axis & Ver **Detector Mode : AV**



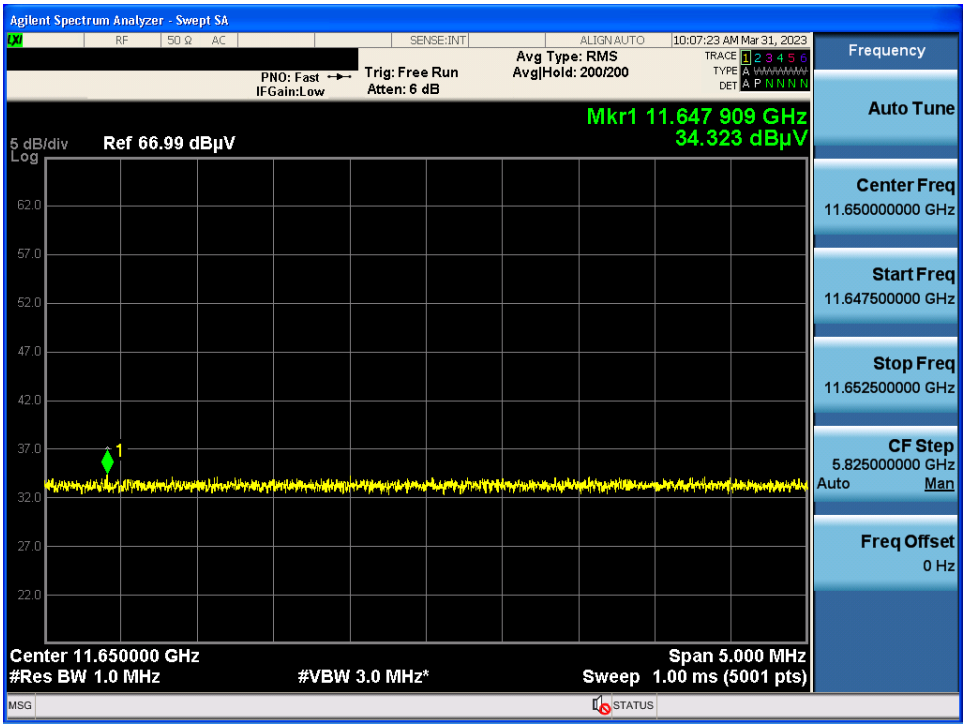
TM 1 & U-NII 3 & 5 745 & X axis & Hor **Detector Mode : PK**



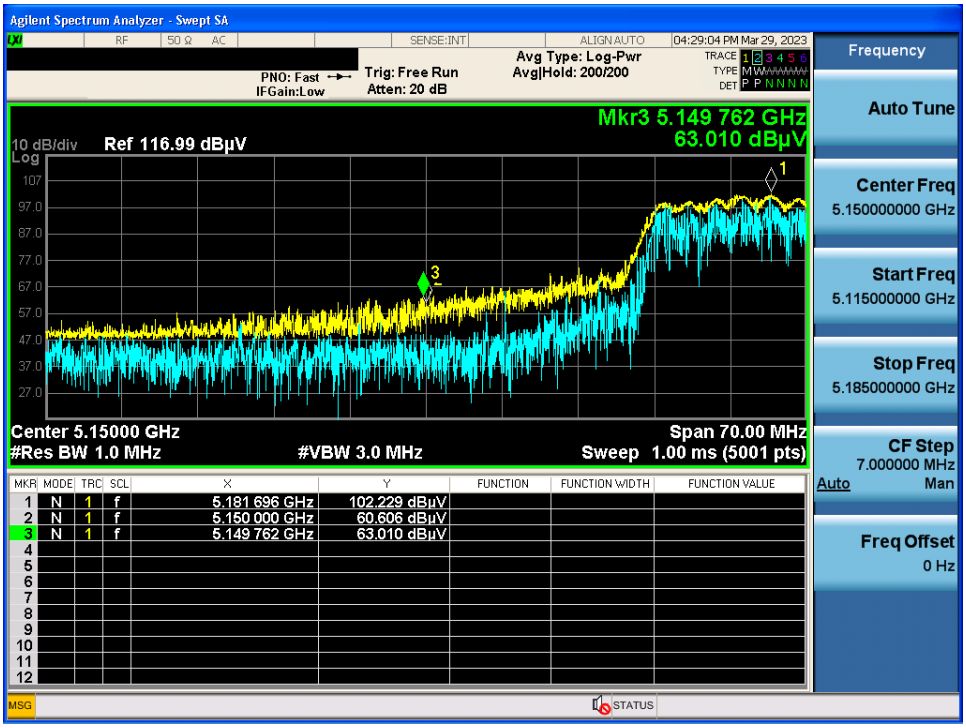
TM 1 & U-NII 3 & 5 825 & X axis & Hor **Detector Mode : PK**



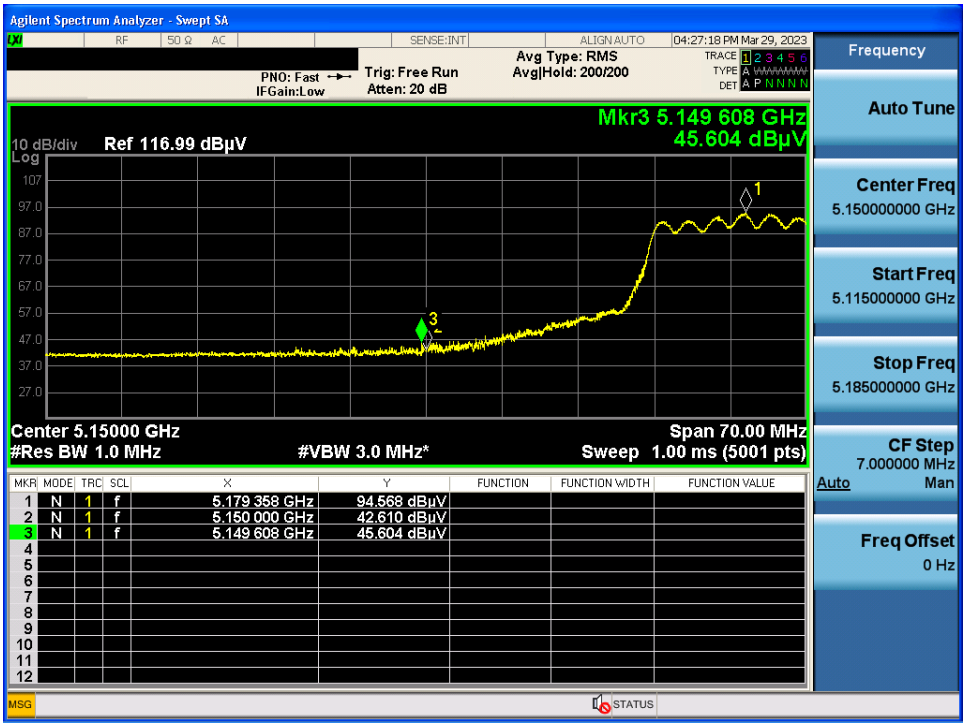
TM 1 & U-NII 3 & 5 825 & Z axis & Ver **Detector Mode : AV**



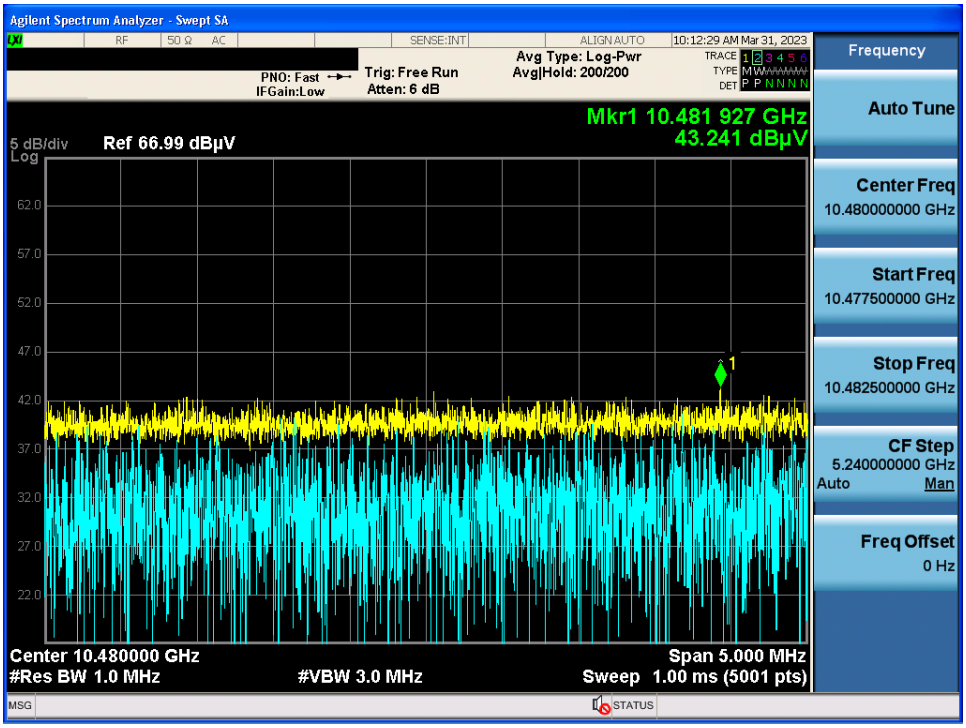
TM 2 & U-NII 1 & 5 180 & X axis & Hor **Detector Mode : PK**



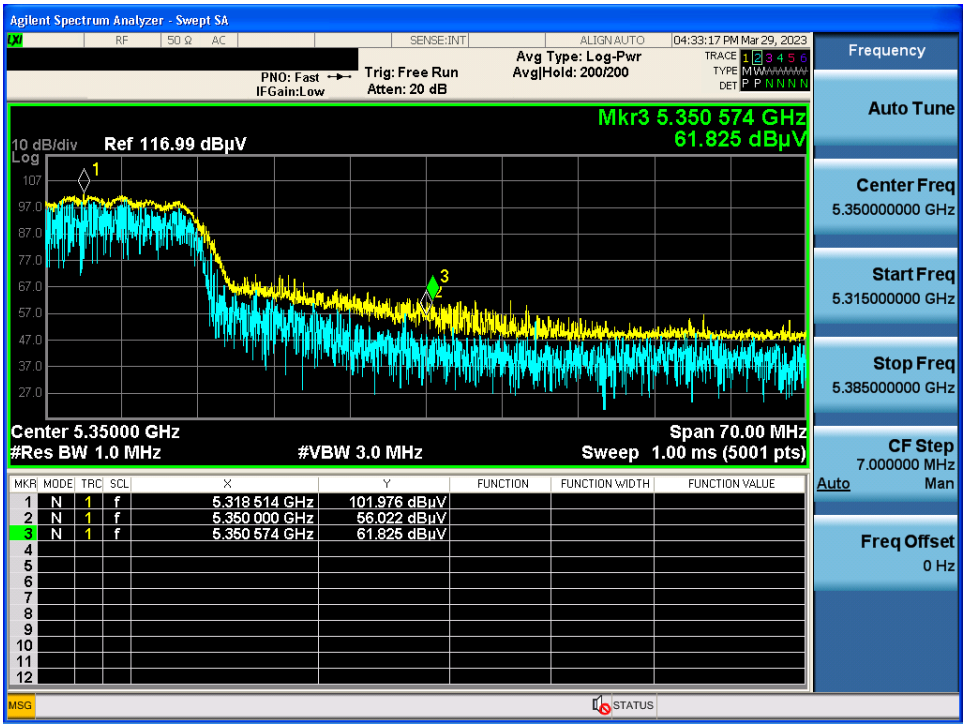
TM 2 & U-NII 1 & 5 180 & X axis & Hor **Detector Mode : AV**



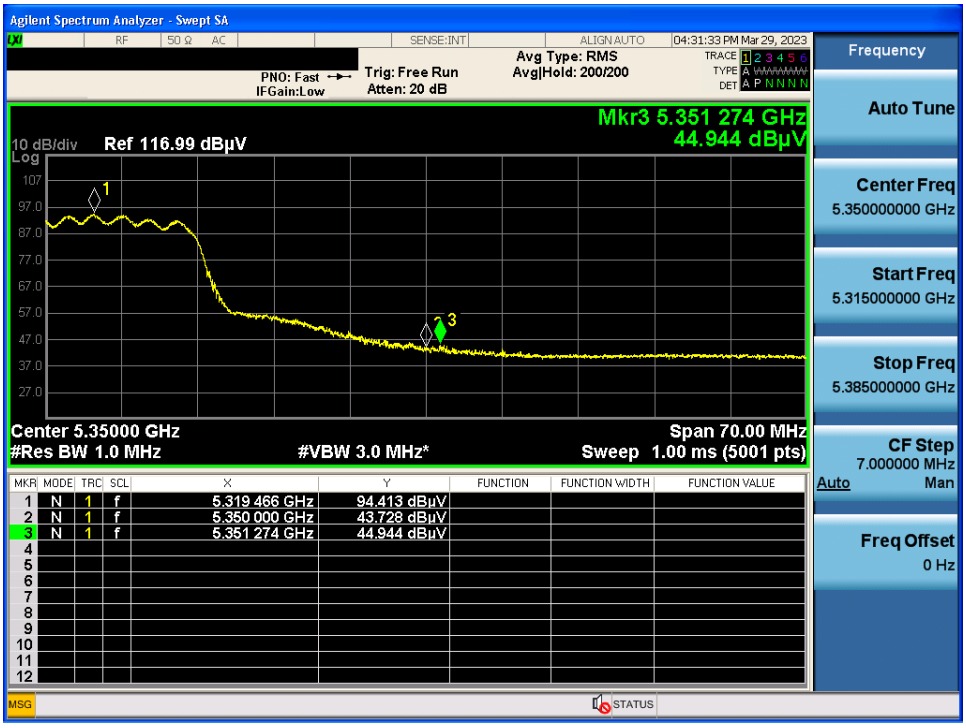
TM 2 & U-NII 1 & 5 240 & Z axis & Ver **Detector Mode : PK**



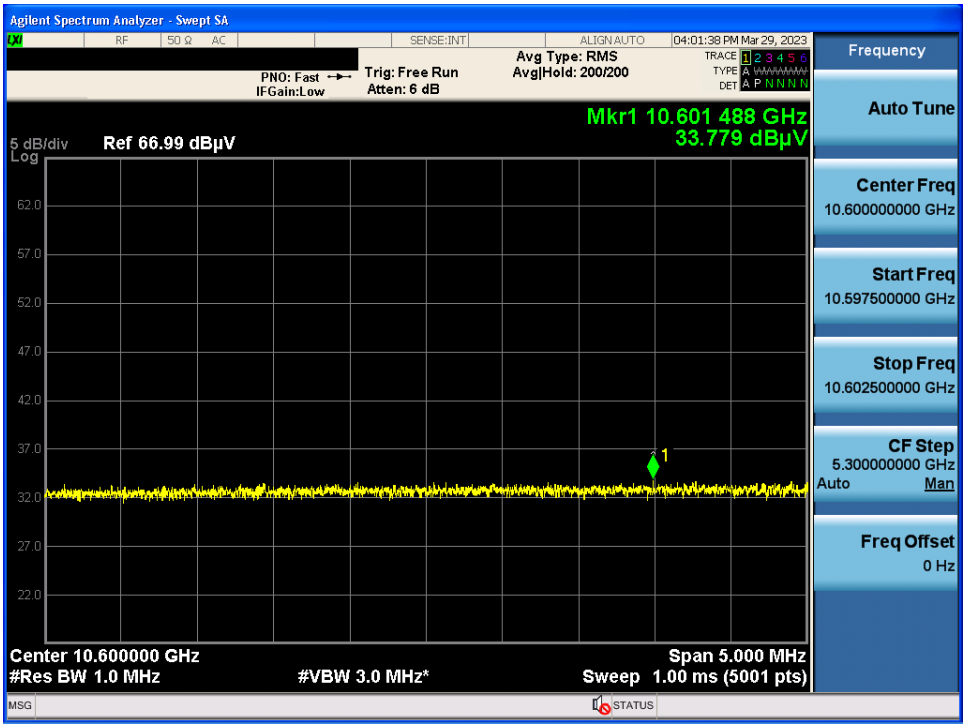
TM 2 & U-NII 2A & 5 320 & X axis & Hor **Detector Mode : PK**



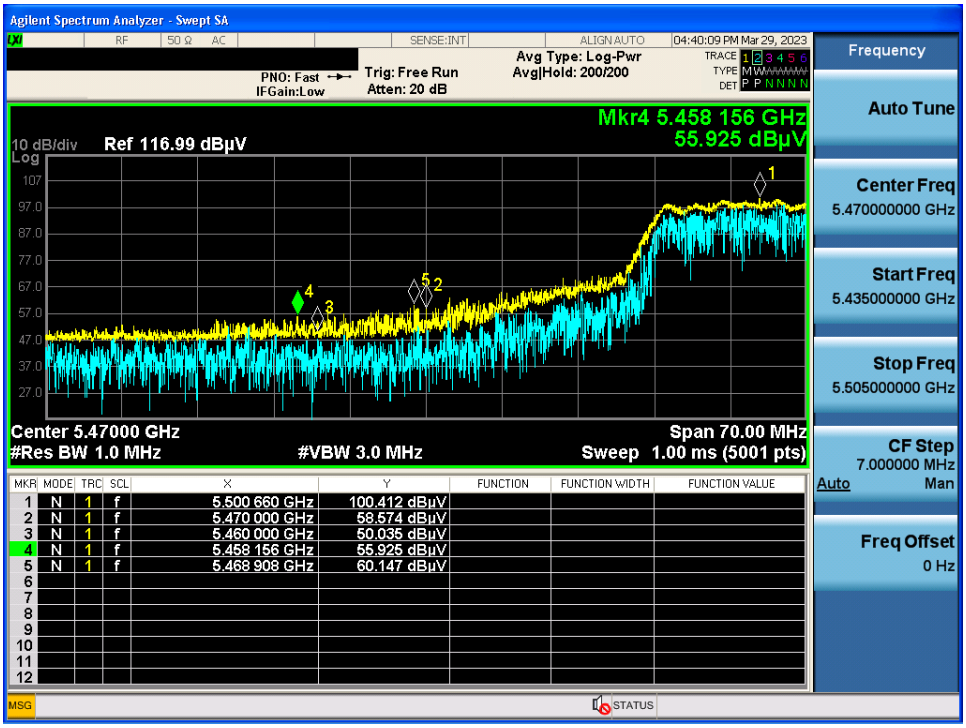
TM 2 & U-NII 2A & 5 320 & X axis & Hor **Detector Mode : AV**



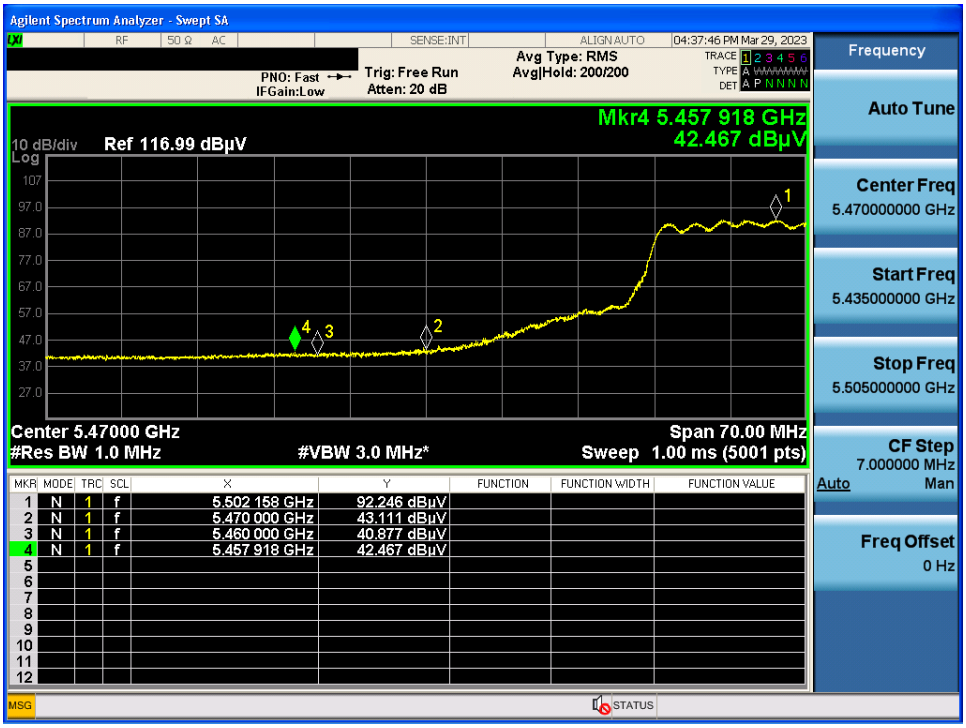
TM 2 & U-NII 2A & 5 300 & Z axis & Ver **Detector Mode : AV**



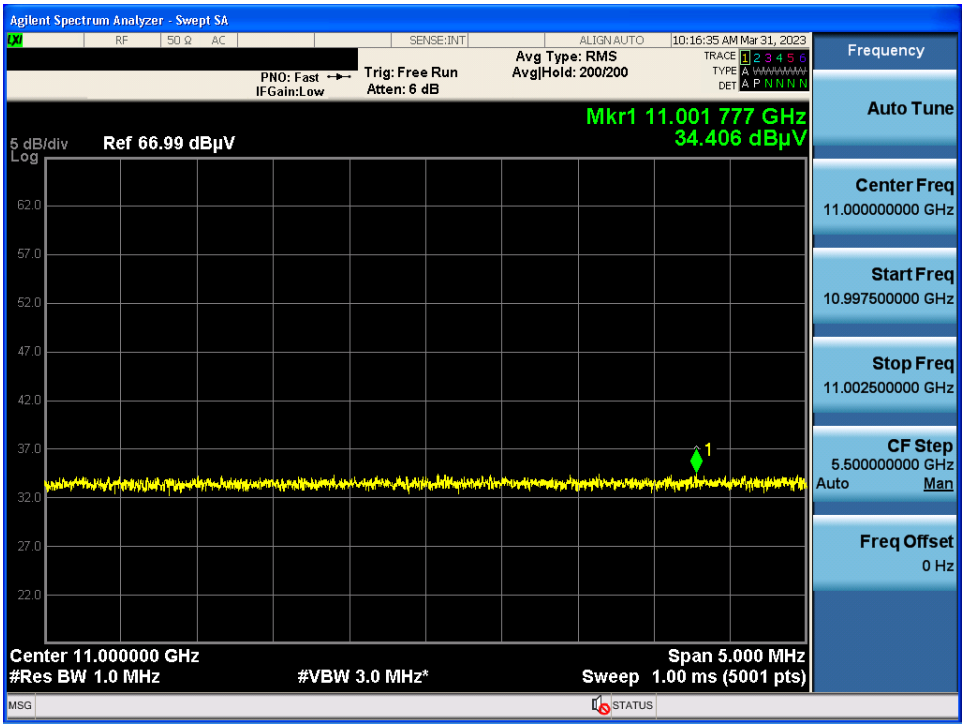
TM 2 & U-NII 2C & 5 500 & X axis & Hor **Detector Mode : PK**



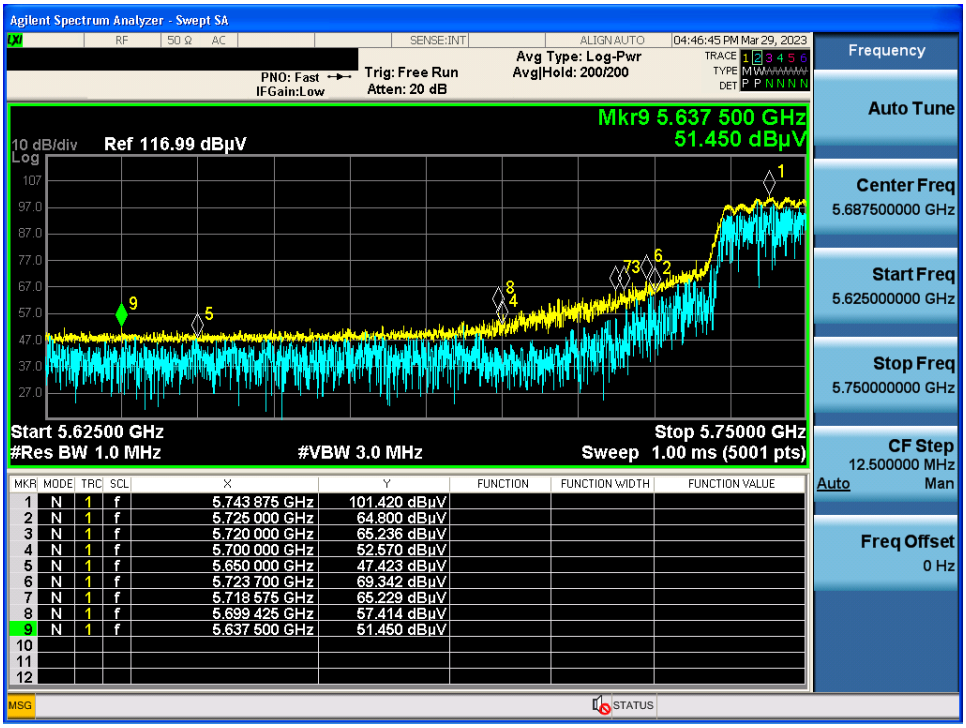
TM 2 & U-NII 2C & 5 500 & X axis & Hor **Detector Mode : AV**



TM 2 & U-NII 2C & 5 500 & Z axis & Ver **Detector Mode : AV**

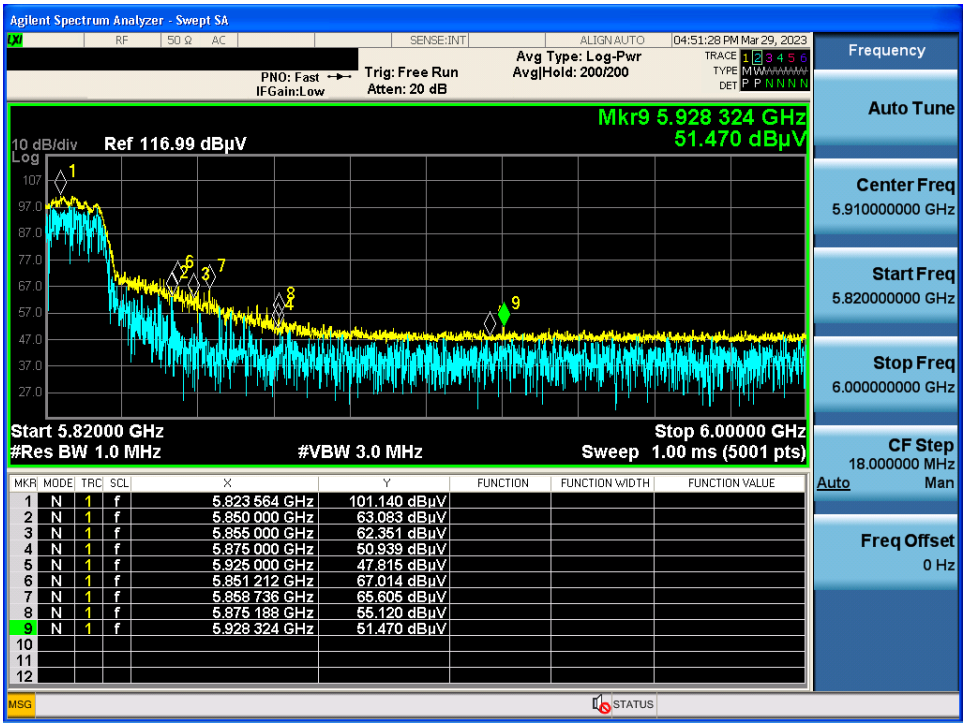


TM 2 & U-NII 3 & 5 745 & X axis & Hor **Detector Mode : PK**



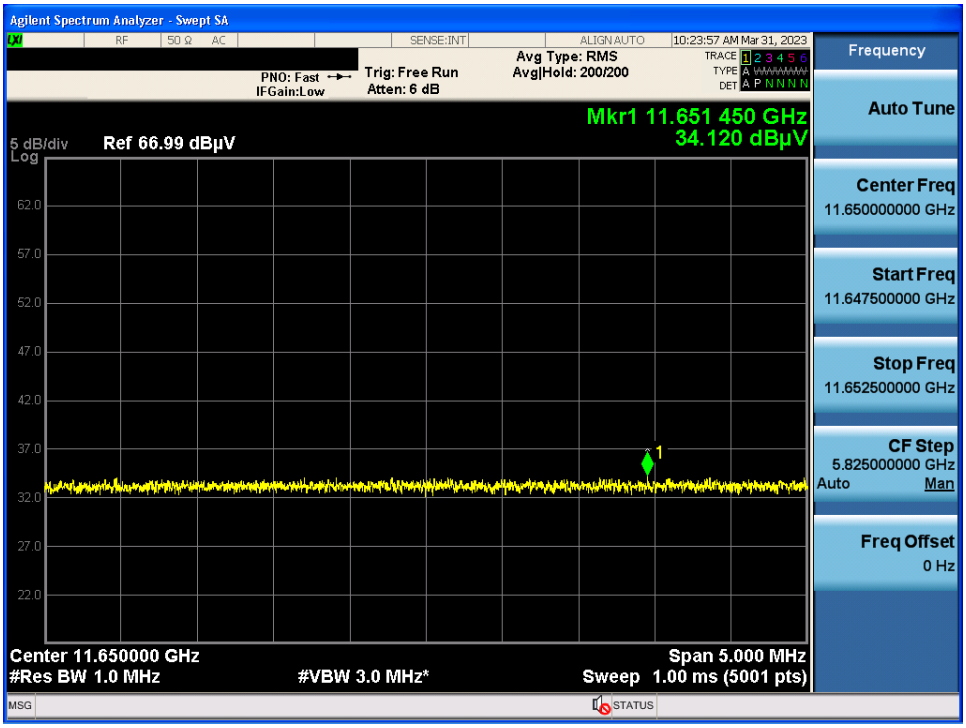
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.743 875 GHz	101.420 dBµV			
2	N	1	f	5.725 000 GHz	64.800 dBµV			
3	N	1	f	5.720 000 GHz	65.236 dBµV			
4	N	1	f	5.700 000 GHz	52.570 dBµV			
5	N	1	f	5.650 000 GHz	47.423 dBµV			
6	N	1	f	5.723 700 GHz	69.342 dBµV			
7	N	1	f	5.718 575 GHz	65.229 dBµV			
8	N	1	f	5.699 425 GHz	57.414 dBµV			
9	N	1	f	5.637 500 GHz	51.450 dBµV			
10								
11								
12								

TM 2 & U-NII 3 & 5 825 & X axis & Hor **Detector Mode : PK**

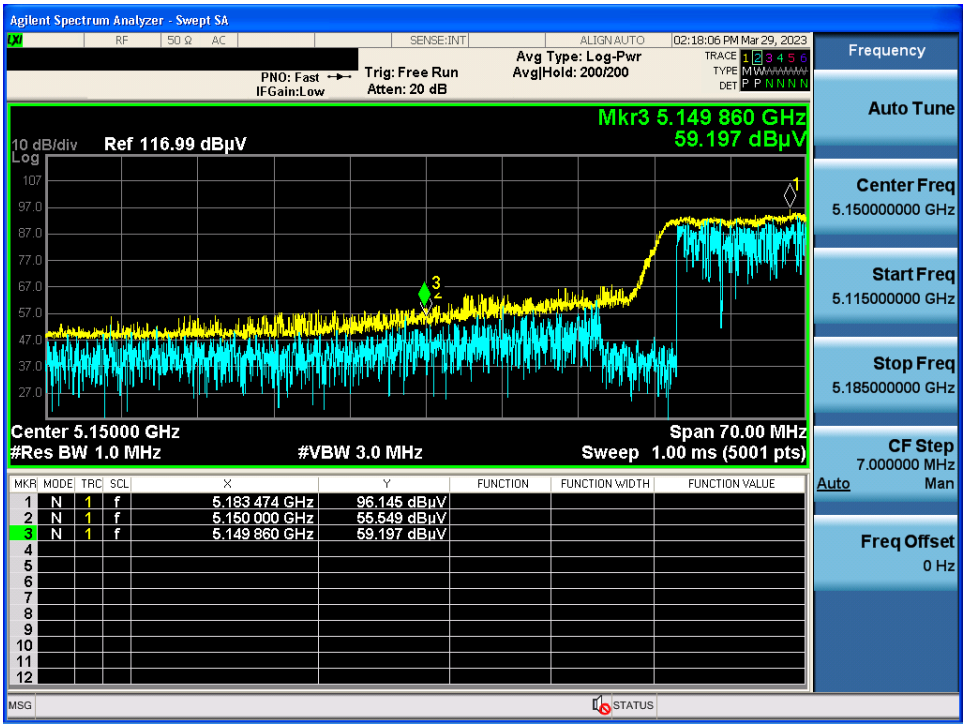


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.823 564 GHz	101.140 dBµV			
2	N	1	f	5.850 000 GHz	63.083 dBµV			
3	N	1	f	5.855 000 GHz	62.351 dBµV			
4	N	1	f	5.875 000 GHz	50.939 dBµV			
5	N	1	f	5.925 000 GHz	47.815 dBµV			
6	N	1	f	5.851 212 GHz	67.014 dBµV			
7	N	1	f	5.858 736 GHz	65.605 dBµV			
8	N	1	f	5.875 188 GHz	55.120 dBµV			
9	N	1	f	5.928 324 GHz	51.470 dBµV			
10								
11								
12								

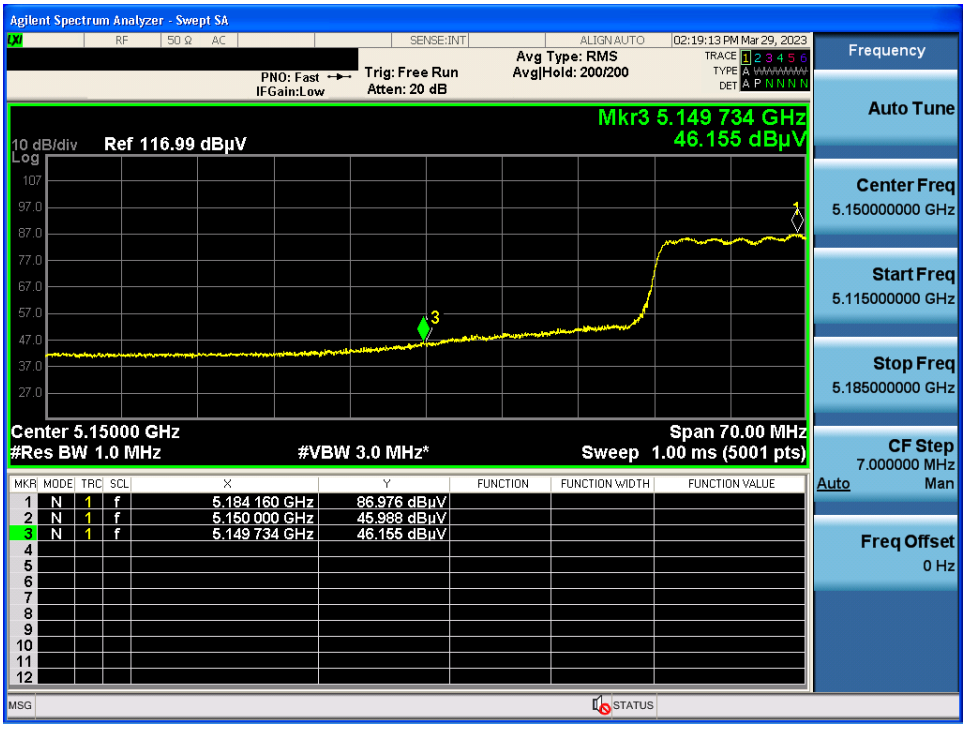
TM 2 & U-NII 3 & 5 825 & Z axis & Ver **Detector Mode : AV**



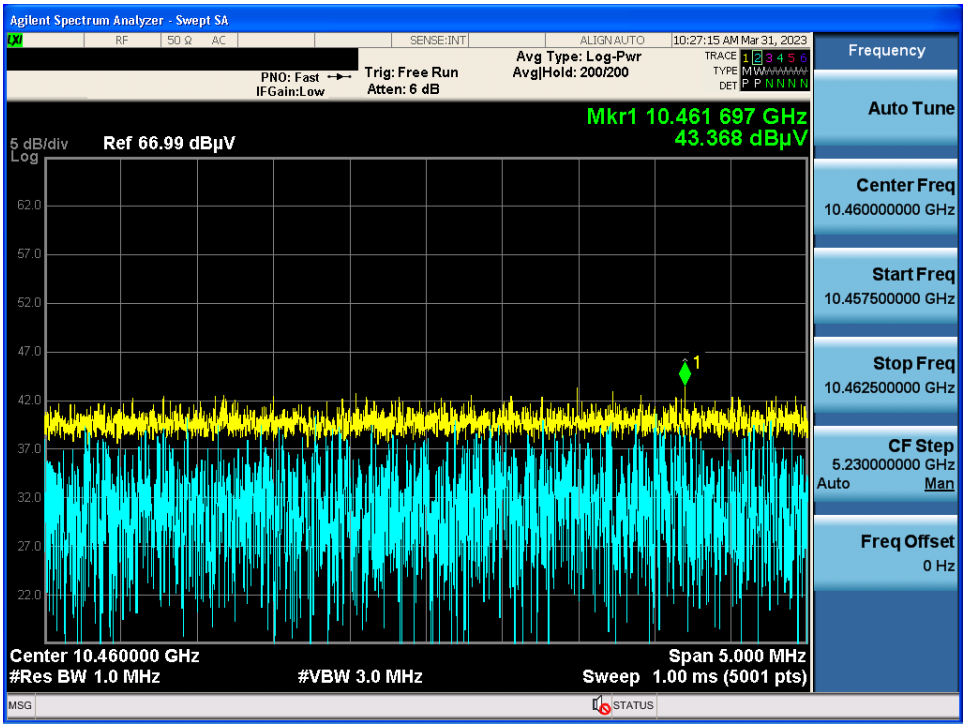
TM 3 & U-NII 1 & 5 190 & X axis & Hor **Detector Mode : PK**



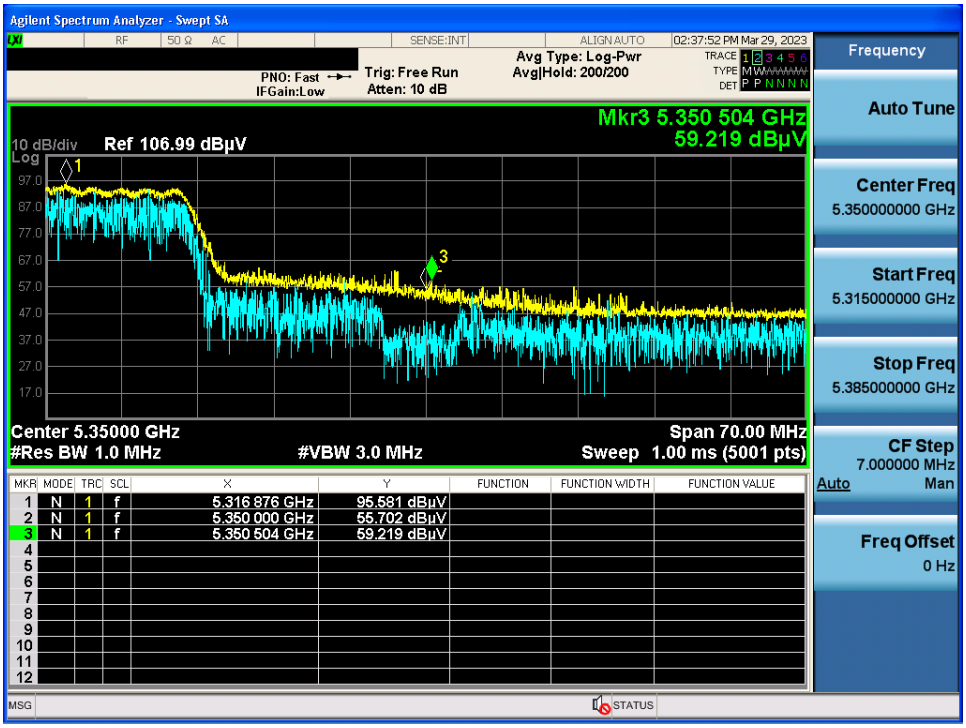
TM 3 & U-NII 1 & 5 190 & X axis & Hor **Detector Mode : AV**



TM 3 & U-NII 1 & 5 230 & Z axis & Ver **Detector Mode : PK**

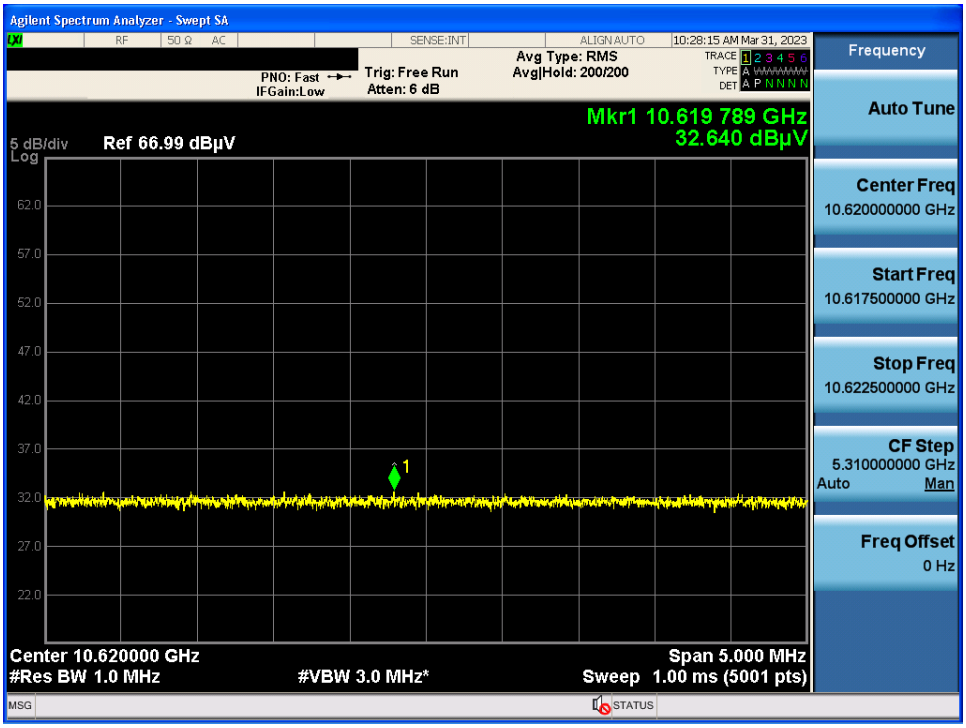


TM 3 & U-NII 2A & 5 310 & X axis & Hor **Detector Mode : PK**

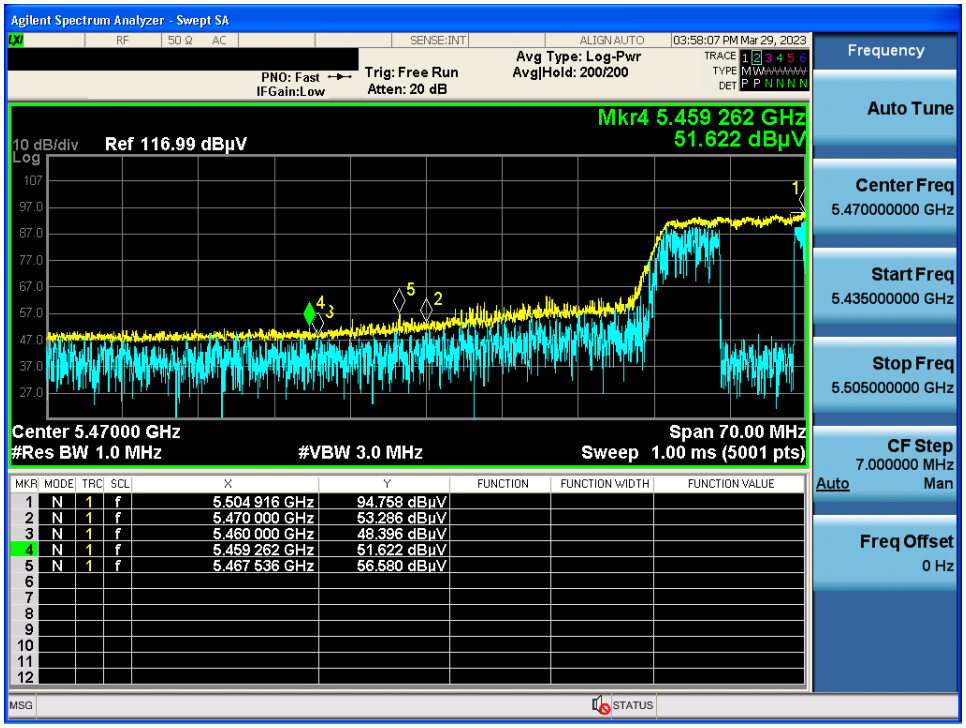


TM 3 & U-NII 2A & 5 310 & X axis & Hor **Detector Mode : AV**

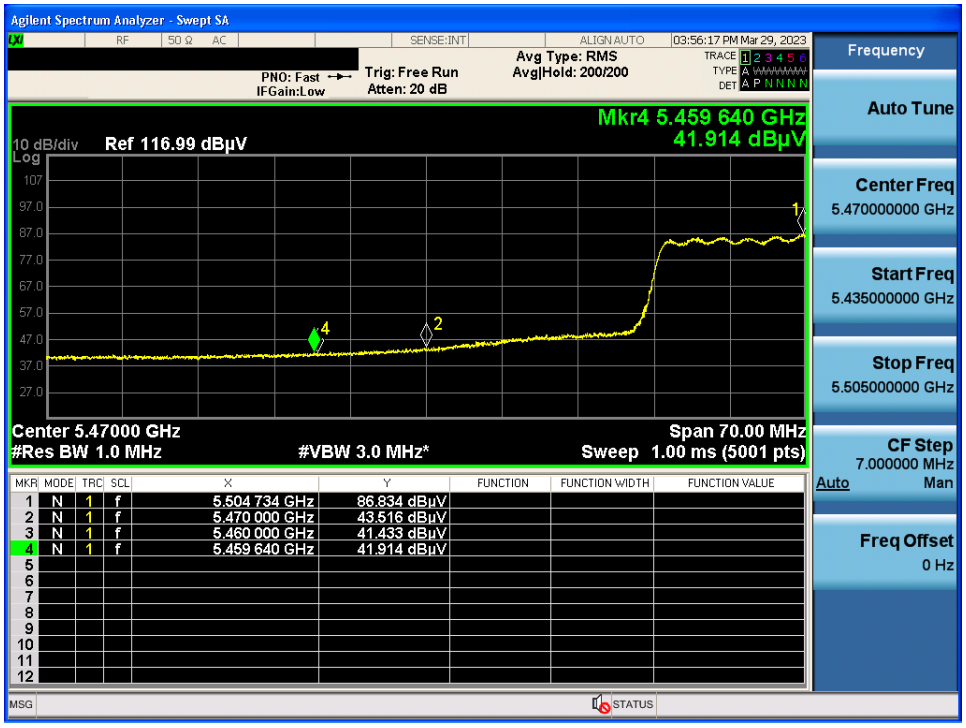
TM 3 & U-NII 2A & 5 310 & Z axis & Ver **Detector Mode : AV**



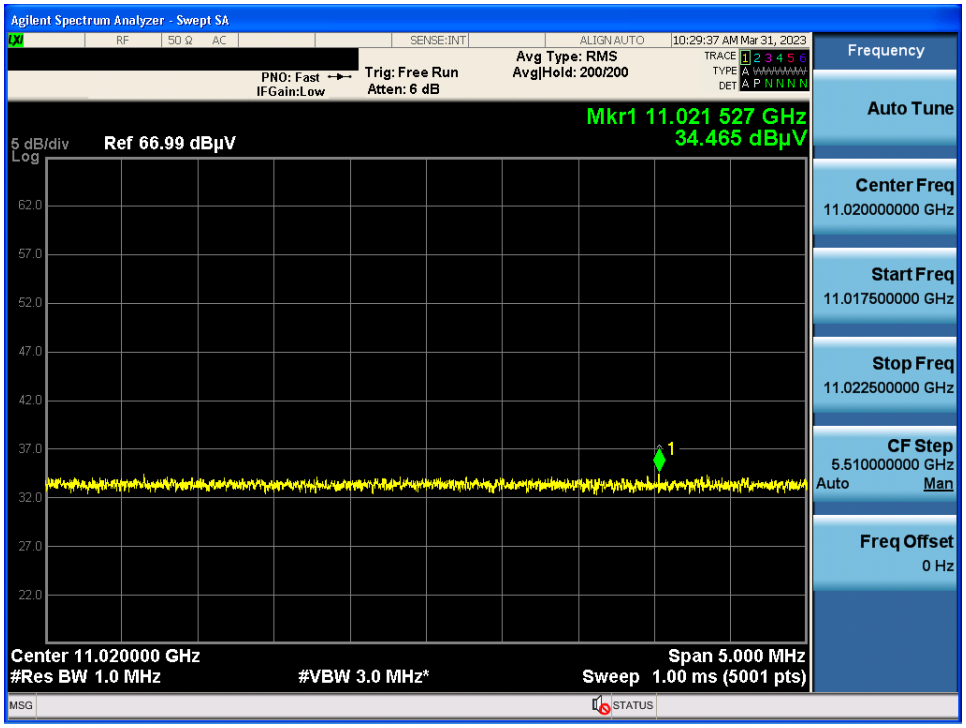
TM 3 & U-NII 2C & 5 510 & X axis & Hor **Detector Mode : PK**



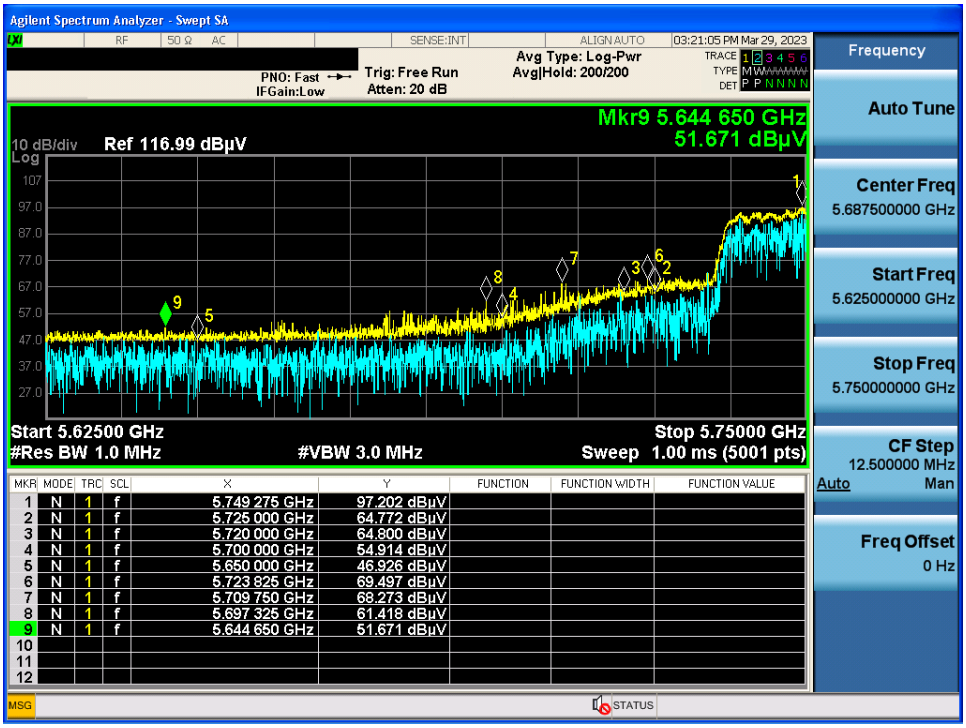
TM 3 & U-NII 2C & 5 510 & Z axis & Ver **Detector Mode : AV**



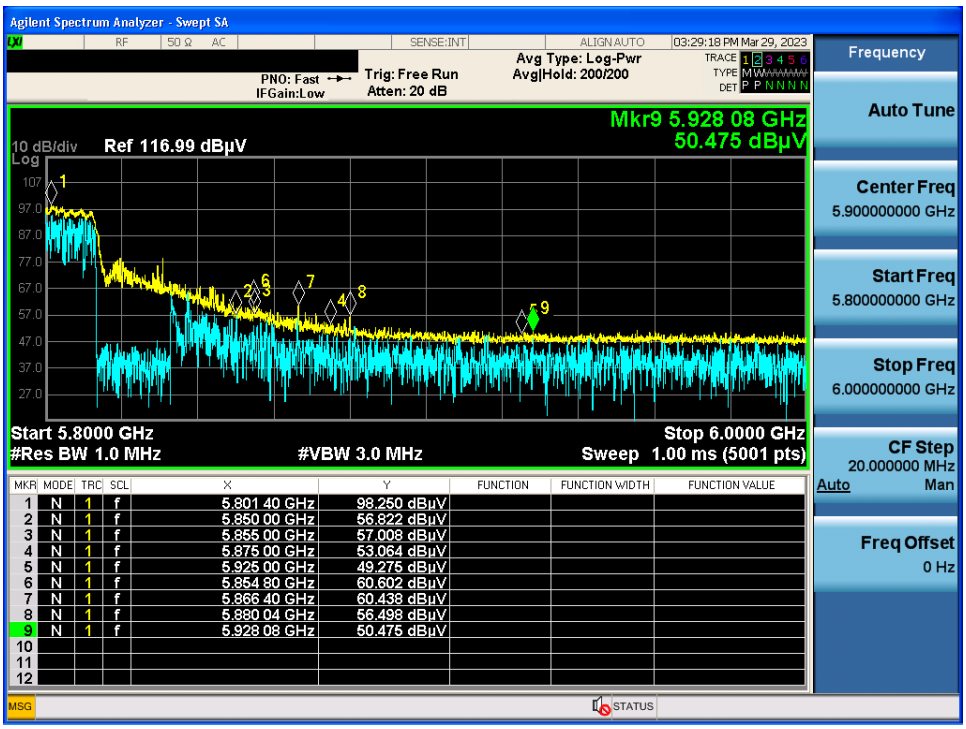
TM 3 & U-NII 2C & 5 510 & Z axis & Ver **Detector Mode : AV**



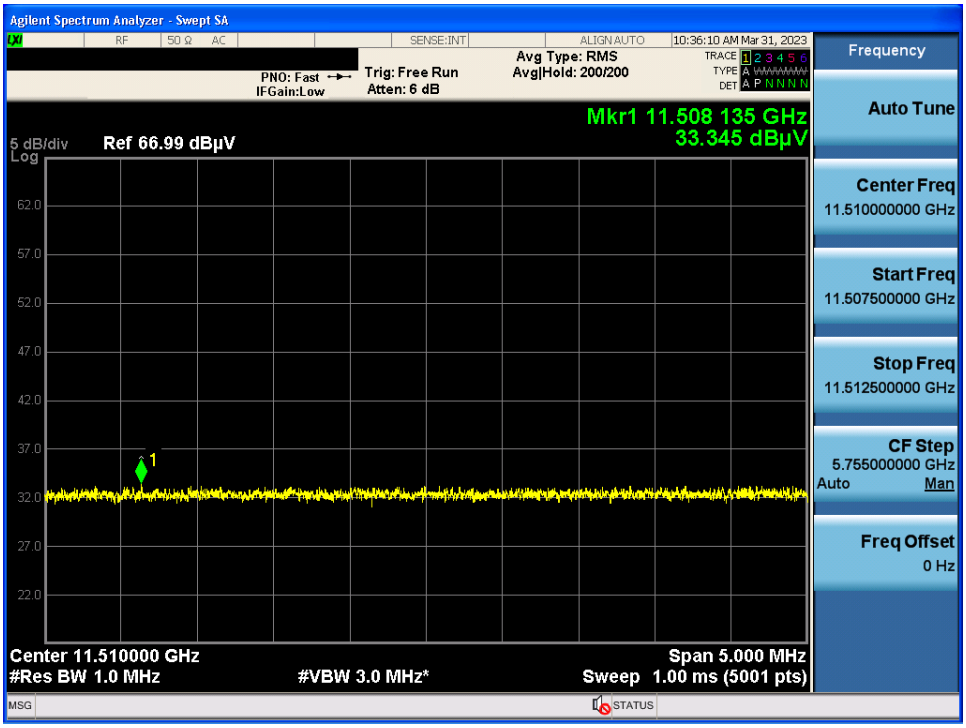
TM 3 & U-NII 3 & 5 755 & X axis & Hor **Detector Mode : PK**



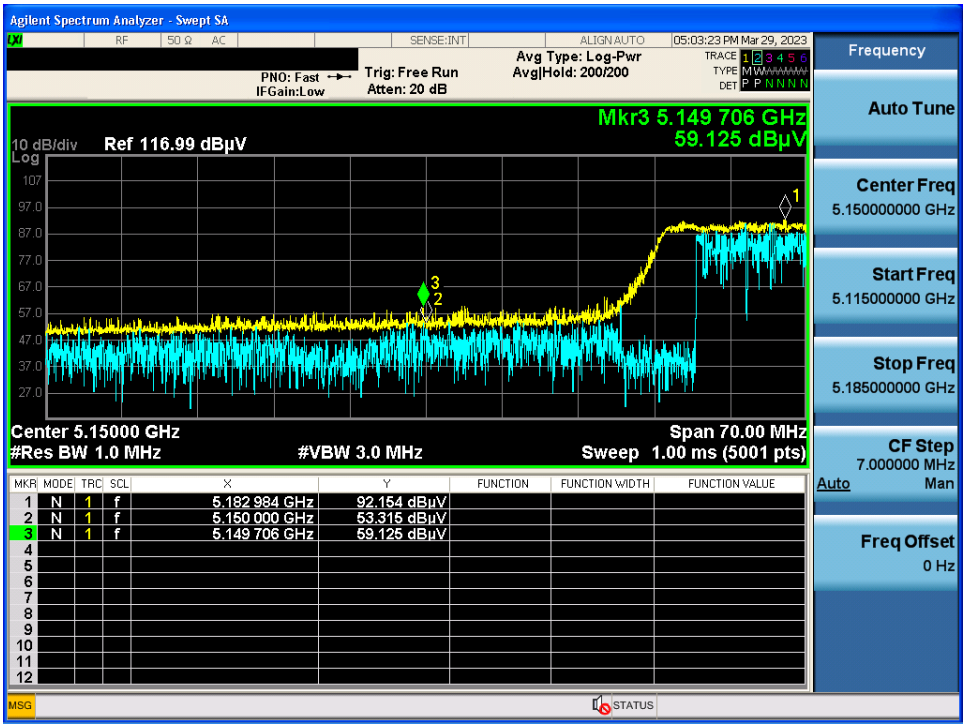
TM 3 & U-NII 3 & 5 795 & X axis & Hor **Detector Mode : PK**



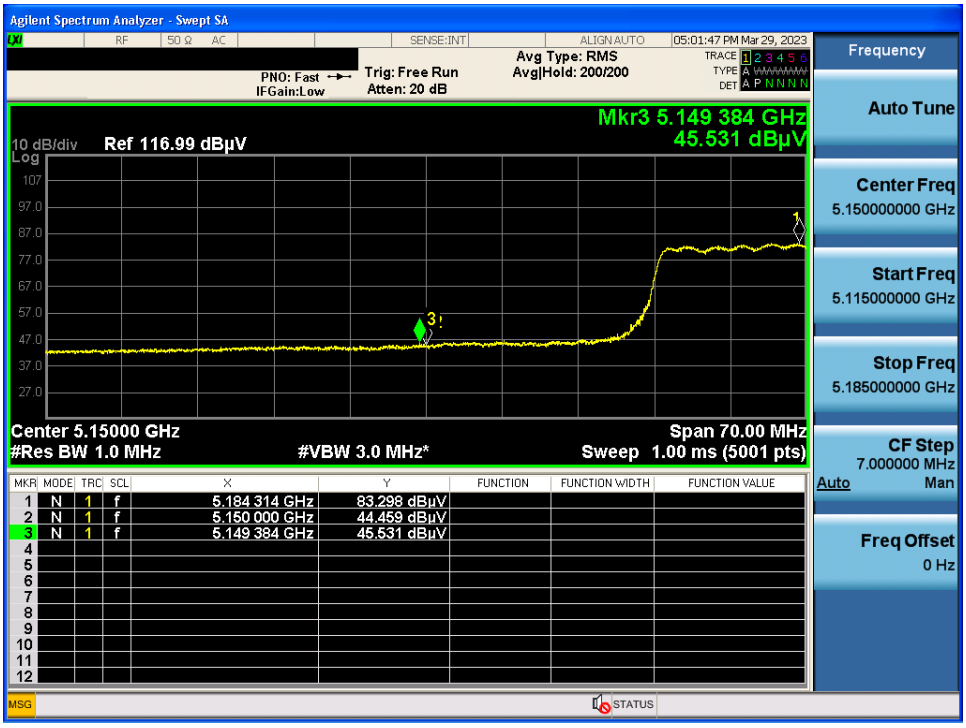
TM 3 & U-NII 3 & 5 755 & Z axis & Ver **Detector Mode : AV**



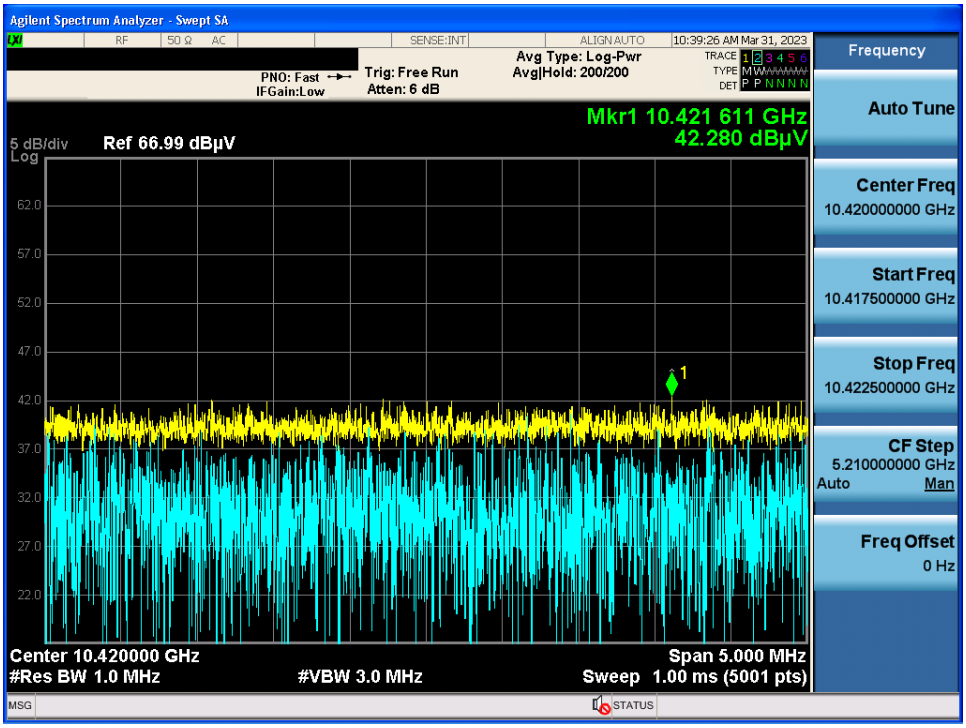
TM 4 & U-NII 1 & 5 210 & X axis & Hor **Detector Mode : PK**



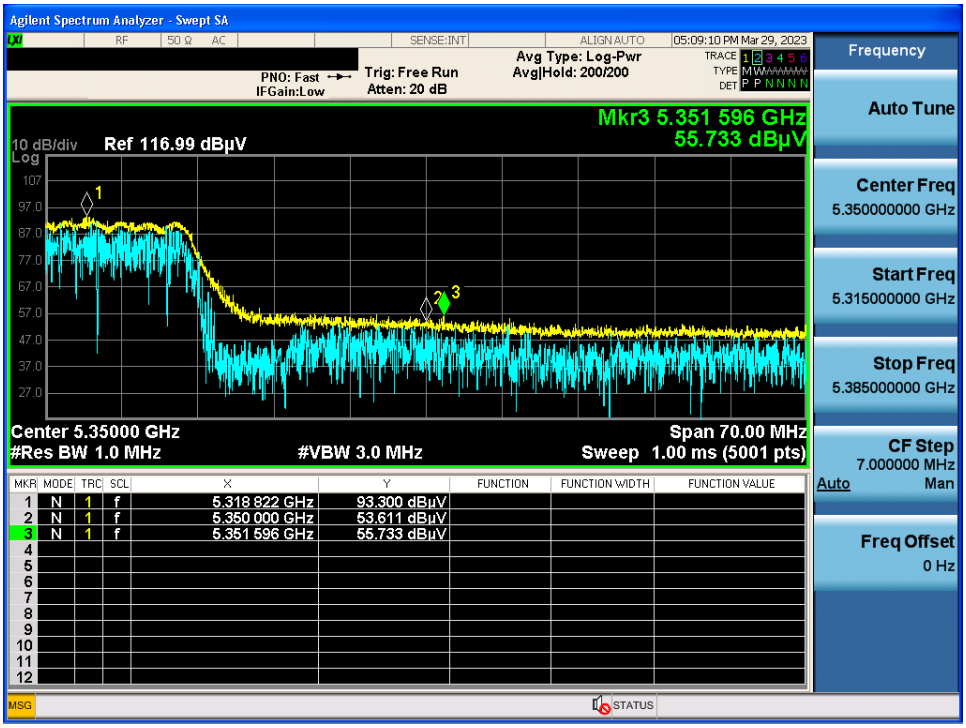
TM 4 & U-NII 1 & 5 210 & X axis & Hor **Detector Mode : AV**



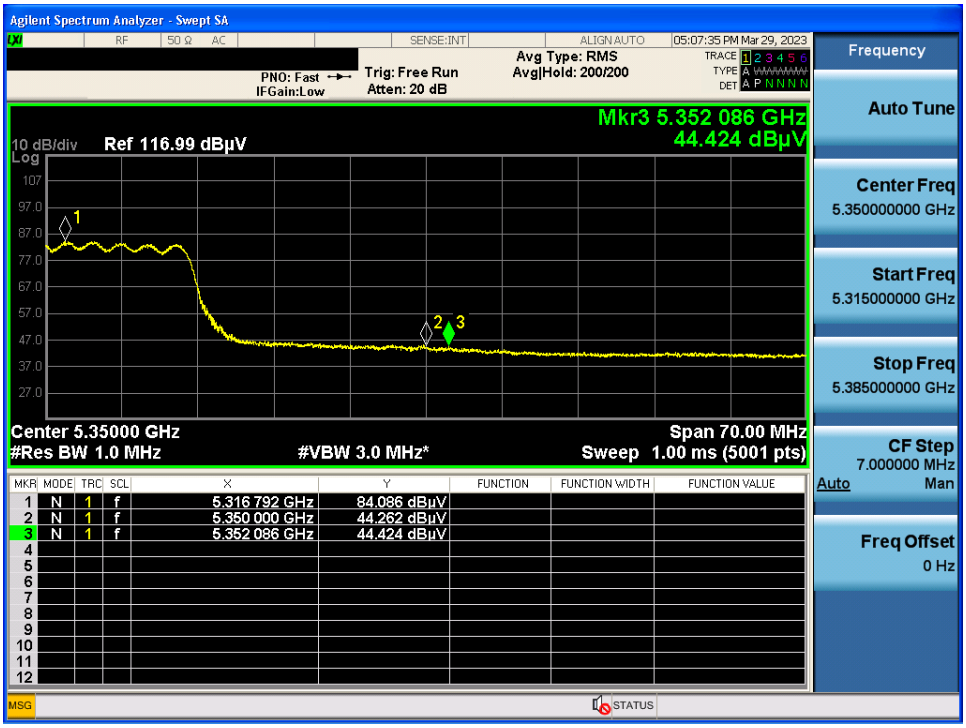
TM 4 & U-NII 1 & 5 210 & Z axis & Ver **Detector Mode : PK**



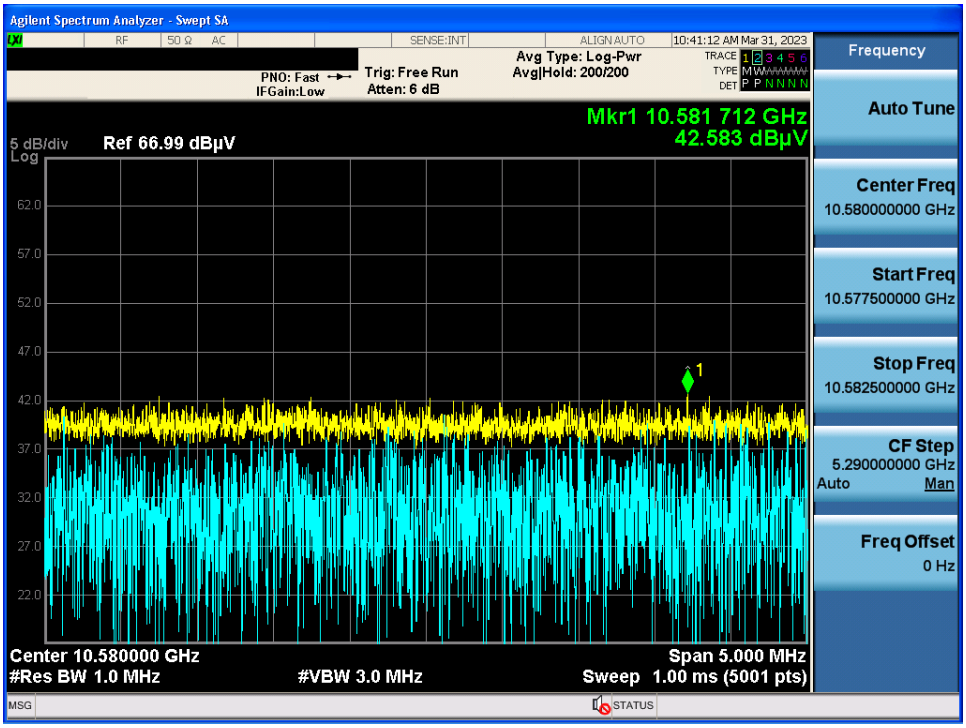
TM 4 & U-NII 2A & 5 290 & X axis & Hor **Detector Mode : PK**



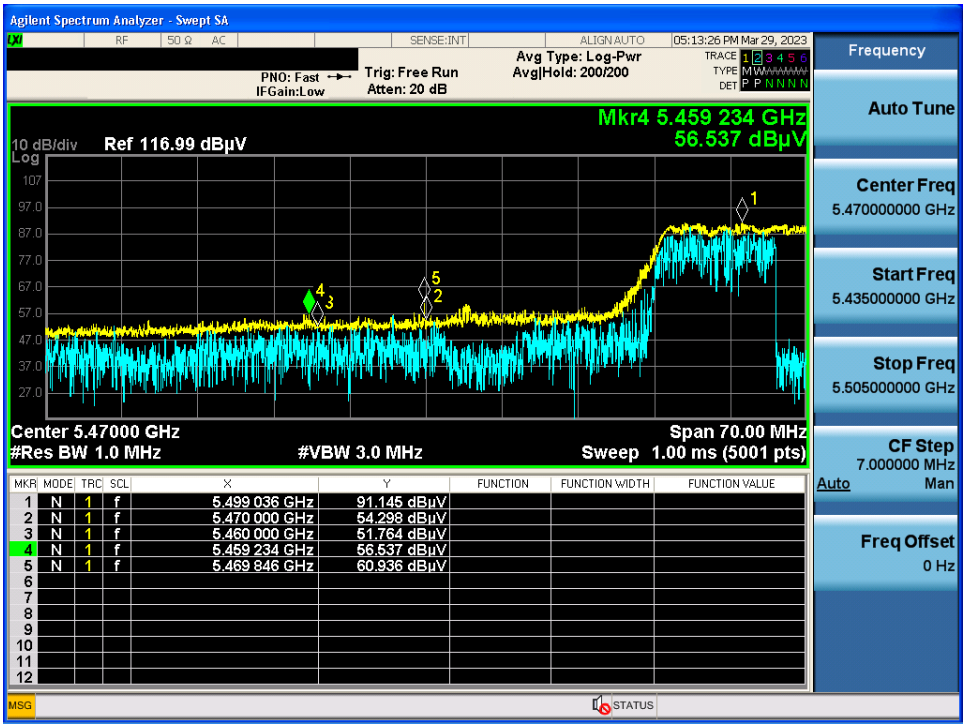
TM 4 & U-NII 2A & 5 290 & X axis & Hor **Detector Mode : AV**



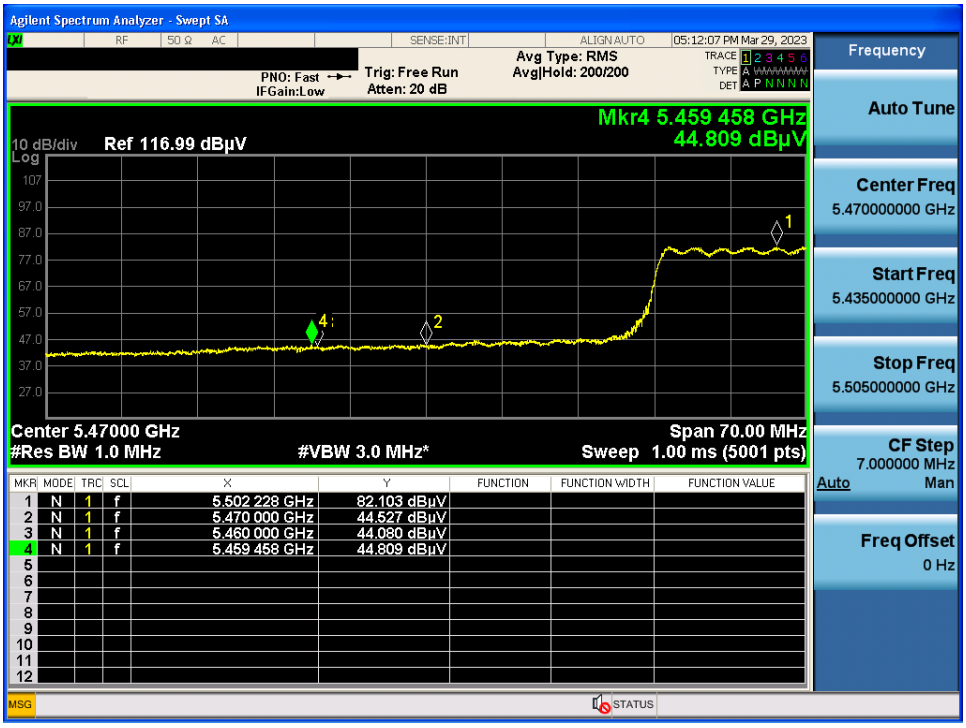
TM 4 & U-NII 2A & 5 290 & Z axis & Ver **Detector Mode : PK**



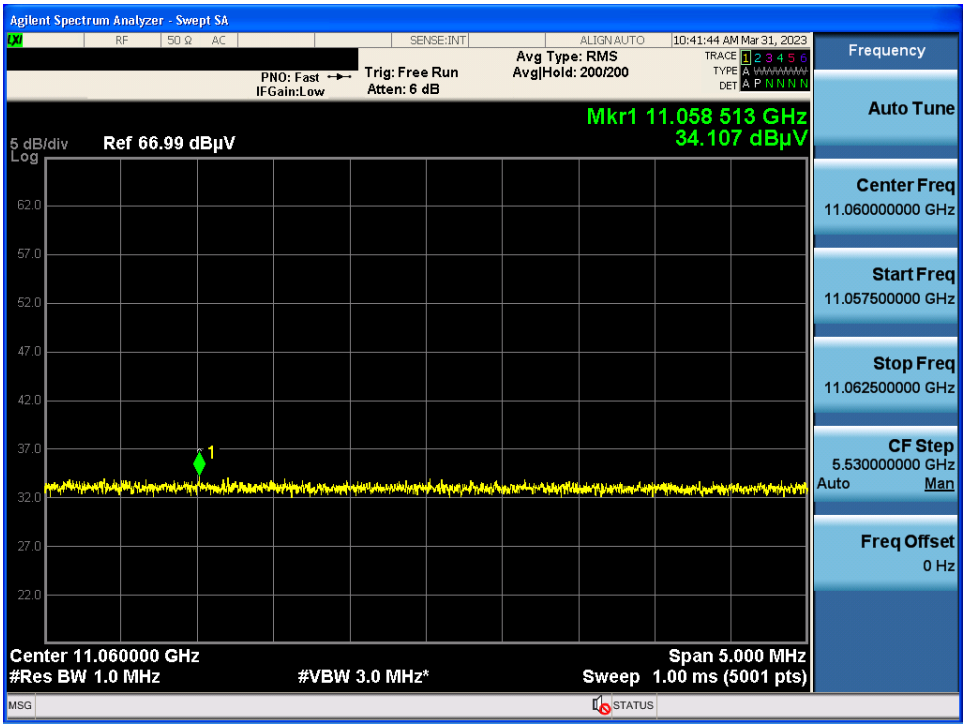
TM 4 & U-NII 2C & 5 530 & X axis & Hor **Detector Mode : PK**



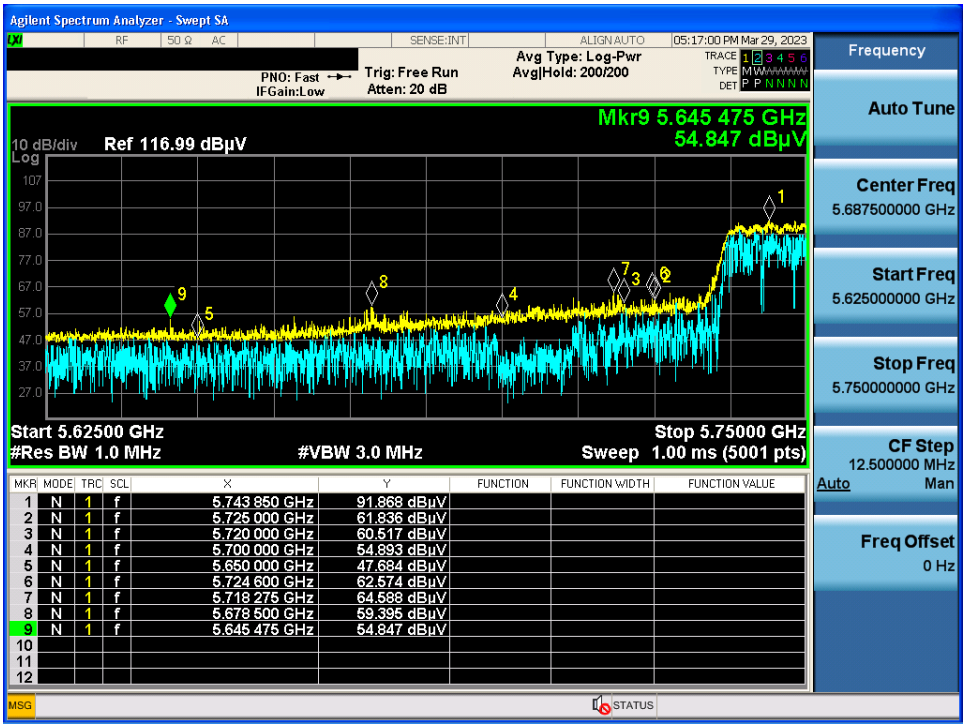
TM 4 & U-NII 2C & 5 530 & X axis & Hor **Detector Mode : AV**



TM 4 & U-NII 2C & 5 530 & Z axis & Ver **Detector Mode : AV**

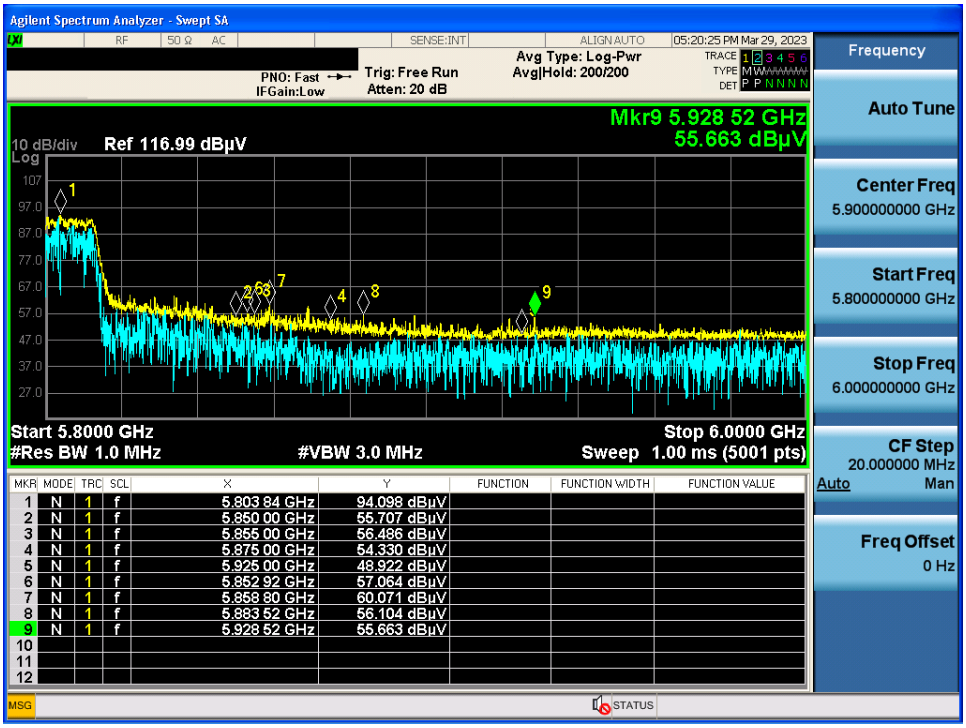


TM 4 & U-NII 3 & 5 775 & X axis & Hor **Detector Mode : PK**



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.743 850 GHz	91.868 dBµV			
2	N	1	f	5.725 000 GHz	61.836 dBµV			
3	N	1	f	5.720 000 GHz	60.517 dBµV			
4	N	1	f	5.700 000 GHz	54.893 dBµV			
5	N	1	f	5.650 000 GHz	47.684 dBµV			
6	N	1	f	5.724 600 GHz	62.574 dBµV			
7	N	1	f	5.718 275 GHz	64.588 dBµV			
8	N	1	f	5.678 500 GHz	59.395 dBµV			
9	N	1	f	5.645 475 GHz	54.847 dBµV			
10								
11								
12								

TM 4 & U-NII 3 & 5 775 & X axis & Hor **Detector Mode : PK**



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.803 84 GHz	94.098 dBµV			
2	N	1	f	5.850 00 GHz	55.707 dBµV			
3	N	1	f	5.855 00 GHz	56.486 dBµV			
4	N	1	f	5.875 00 GHz	54.330 dBµV			
5	N	1	f	5.925 00 GHz	48.922 dBµV			
6	N	1	f	5.852 92 GHz	57.064 dBµV			
7	N	1	f	5.858 80 GHz	60.071 dBµV			
8	N	1	f	5.883 52 GHz	56.104 dBµV			
9	N	1	f	5.928 52 GHz	55.663 dBµV			
10								
11								
12								

TM 4 & U-NII 3 & 5 775 & Z axis & Ver **Detector Mode : AV**