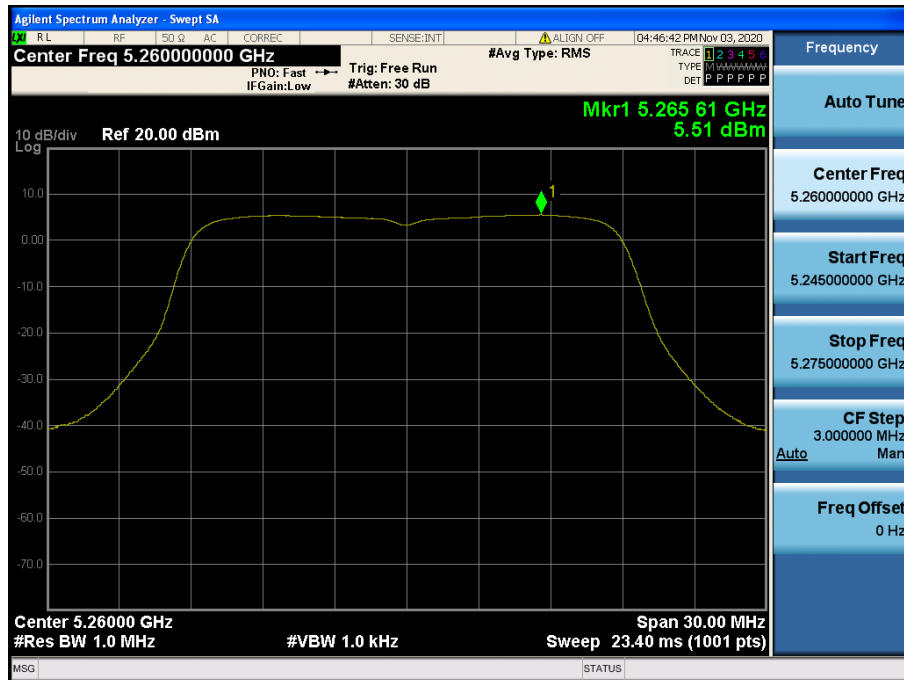


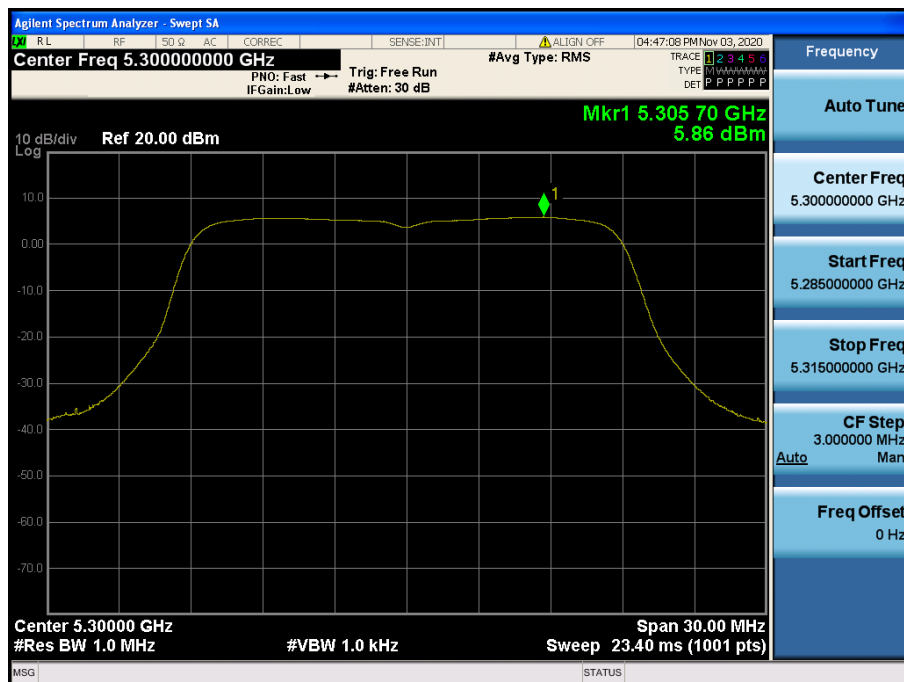
Maximum Power Spectral Density

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



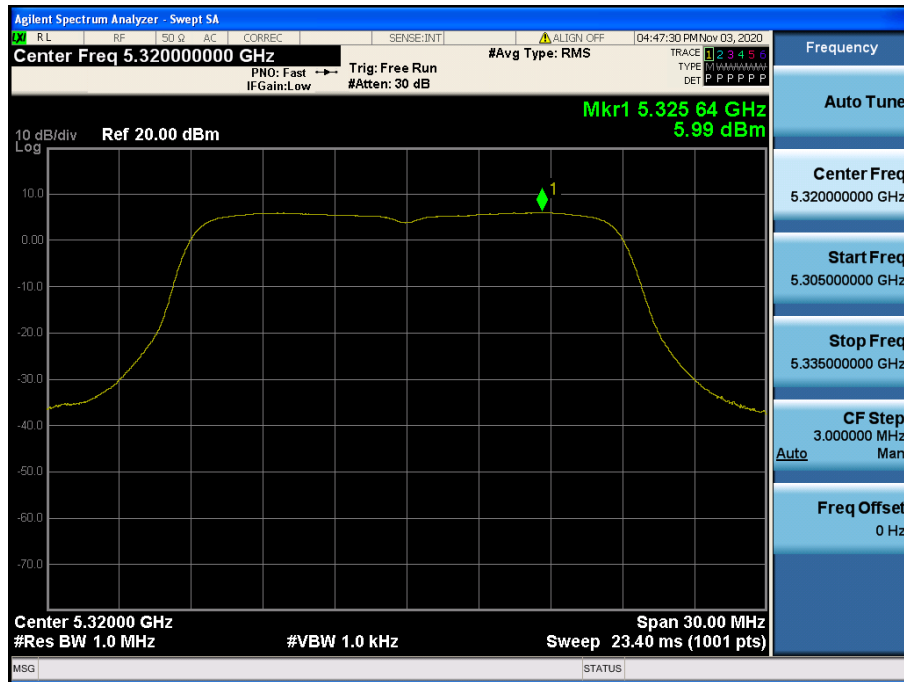
Maximum Power Spectral Density

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



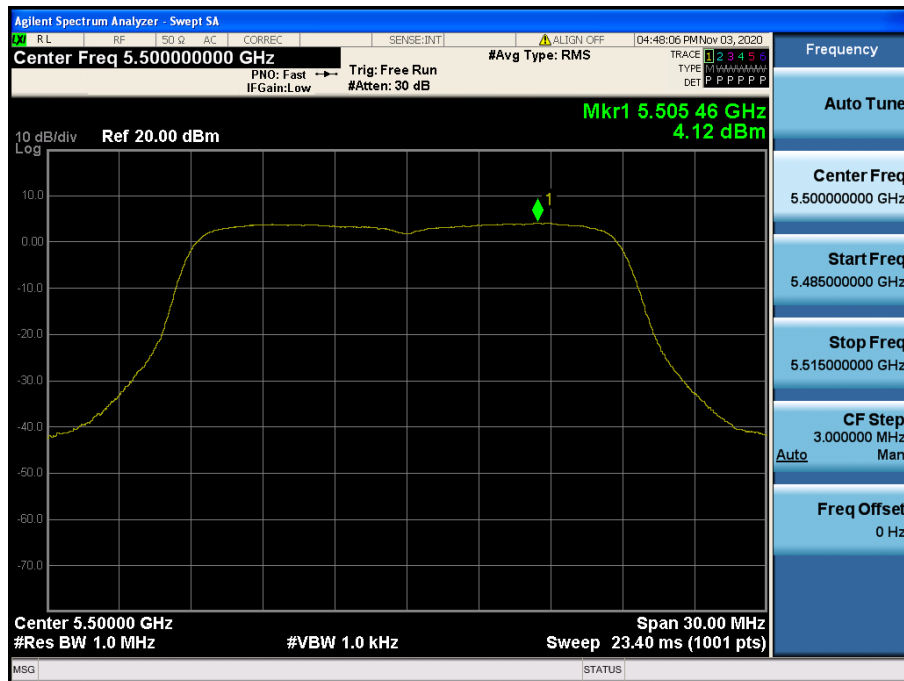
Maximum Power Spectral Density

Test Mode: TM 2 & ANT 2 & Ch.64



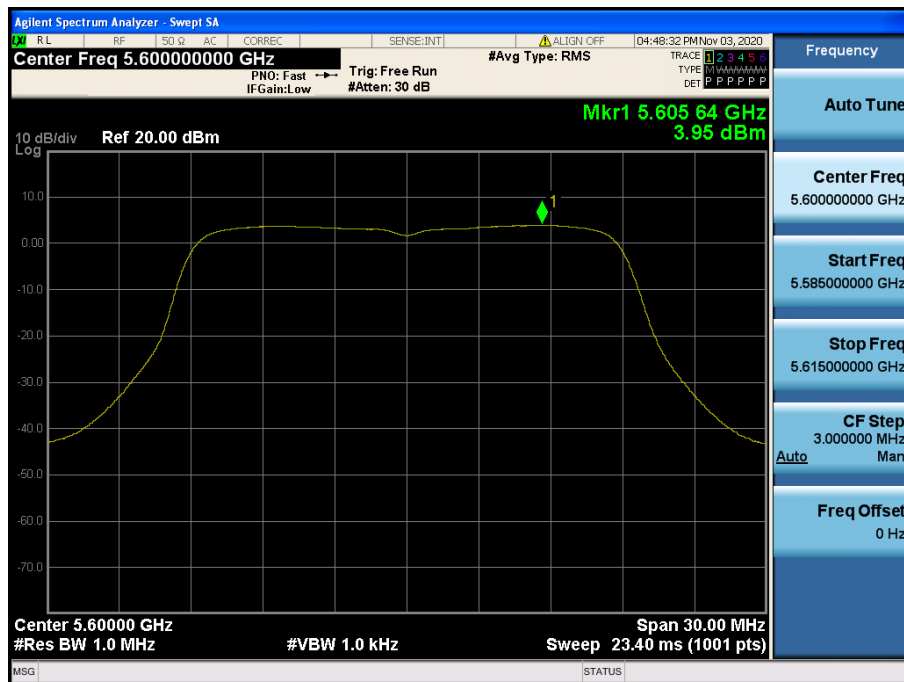
Maximum Power Spectral Density

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



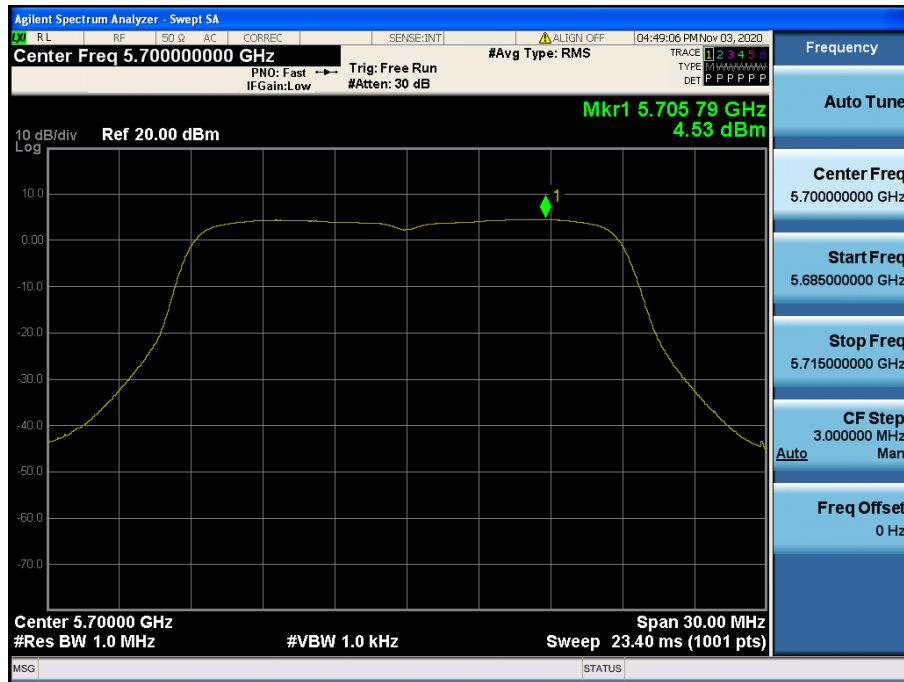
Maximum Power Spectral Density

Test Mode: TM 2 & ANT 2 & Ch.120



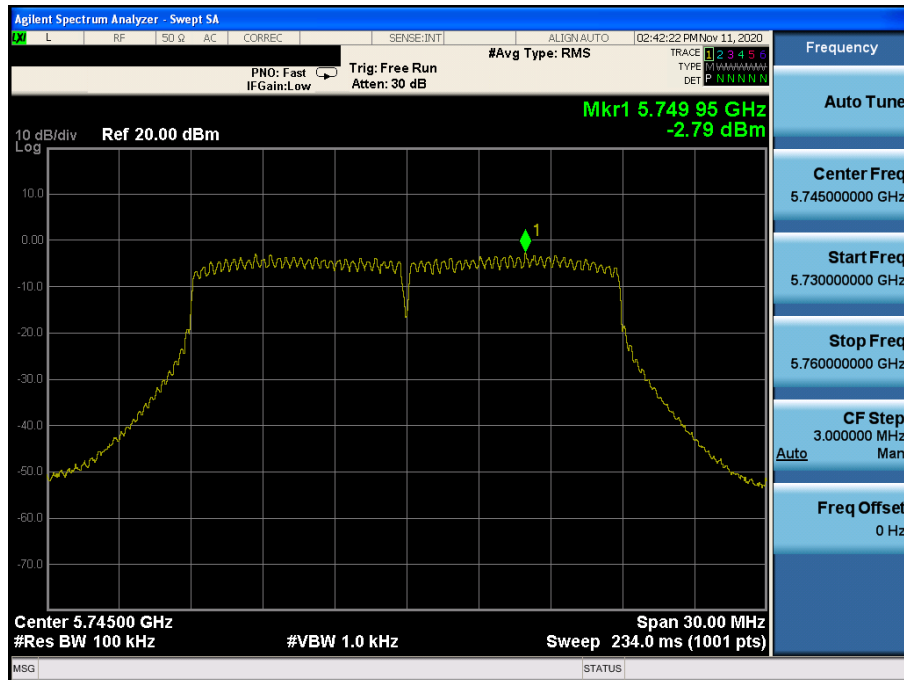
Maximum Power Spectral Density

Test Mode: TM 2 & ANT 2 & Ch.140



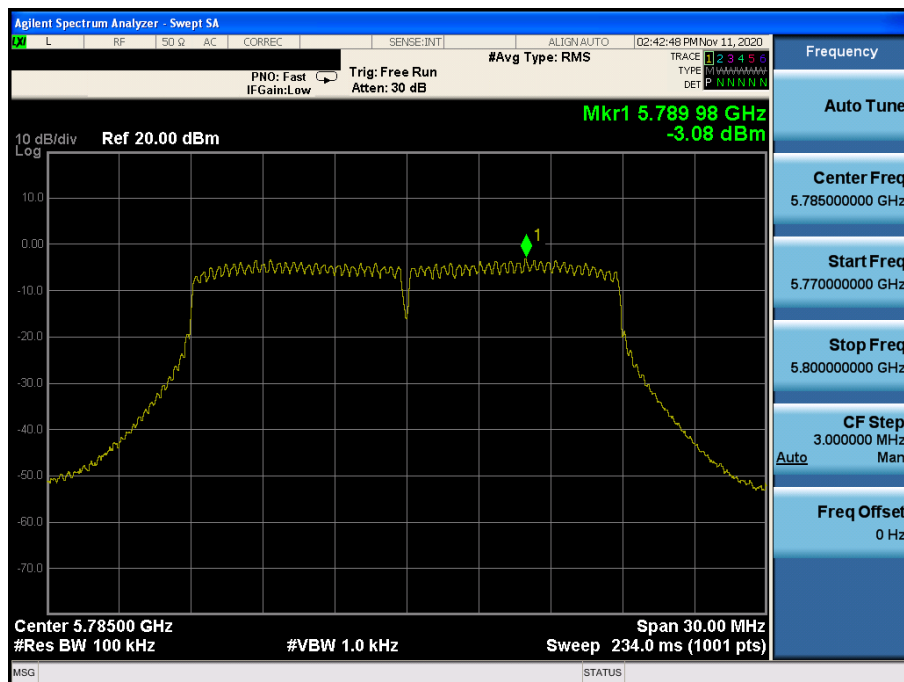
Maximum Power Spectral Density

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



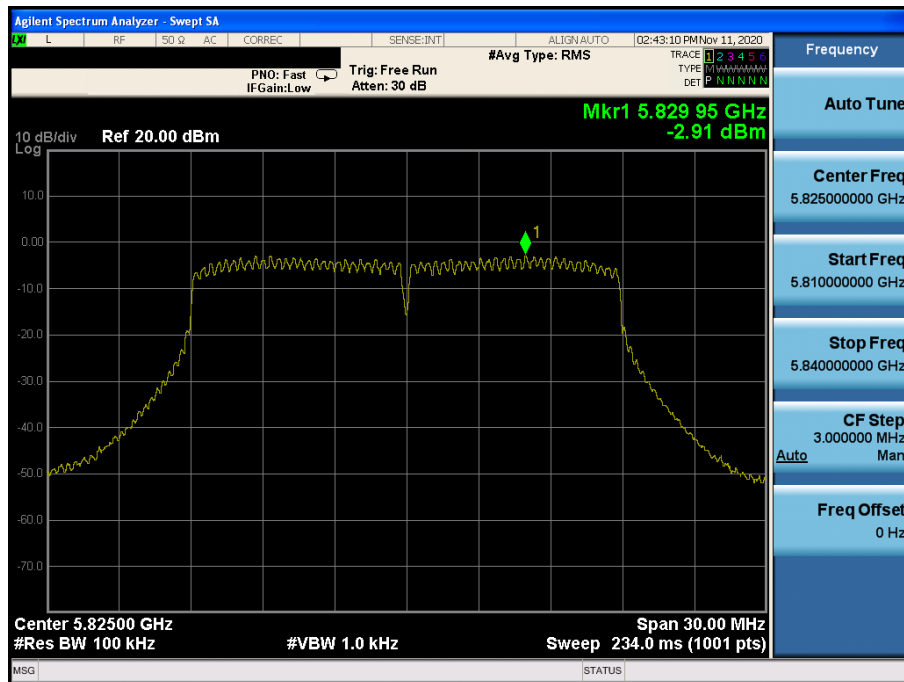
Maximum Power Spectral Density

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



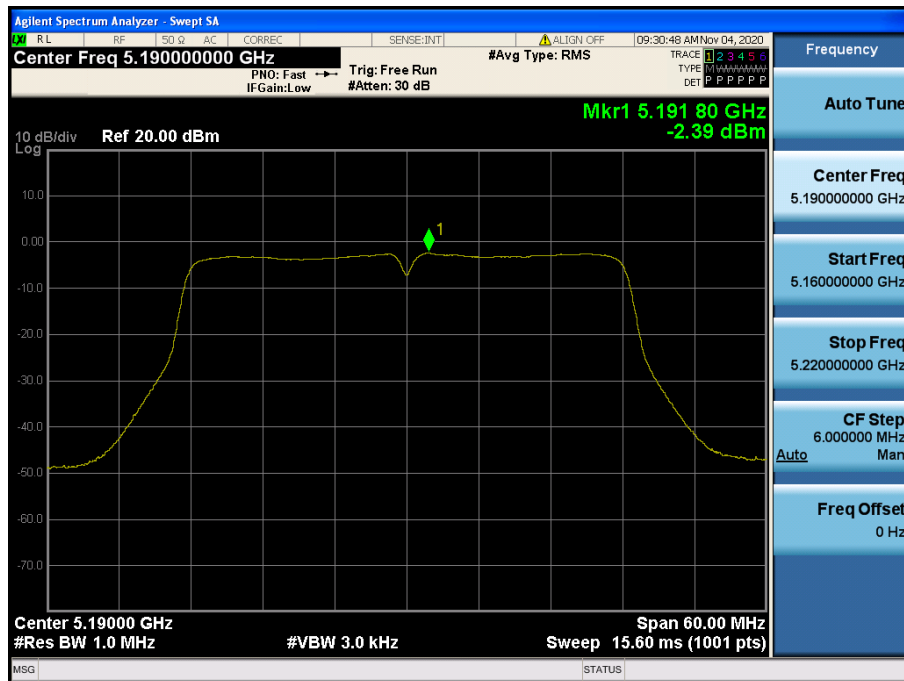
Maximum Power Spectral Density

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



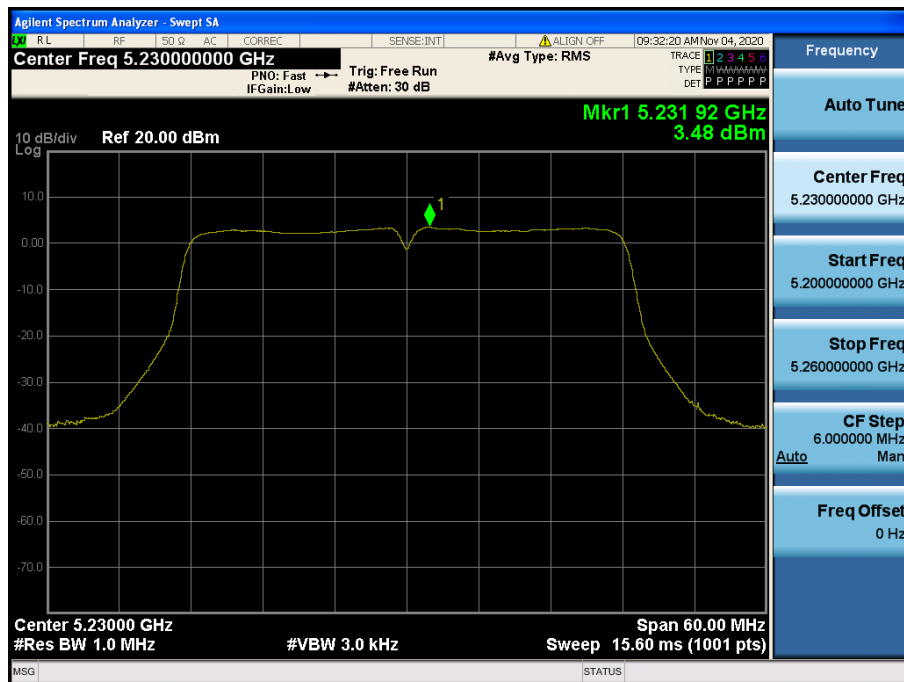
Maximum Power Spectral Density

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



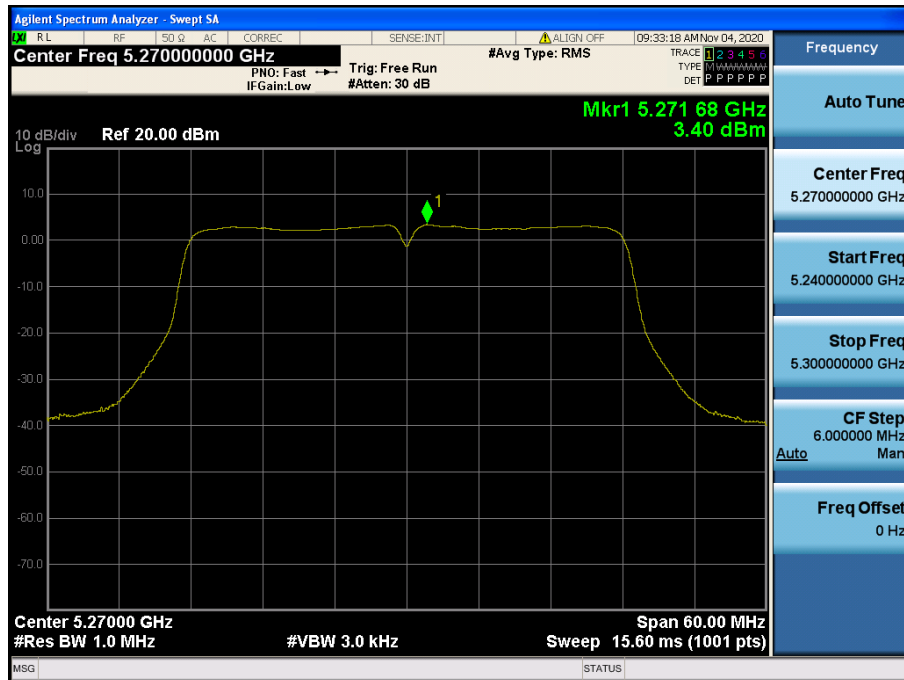
Maximum Power Spectral Density

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



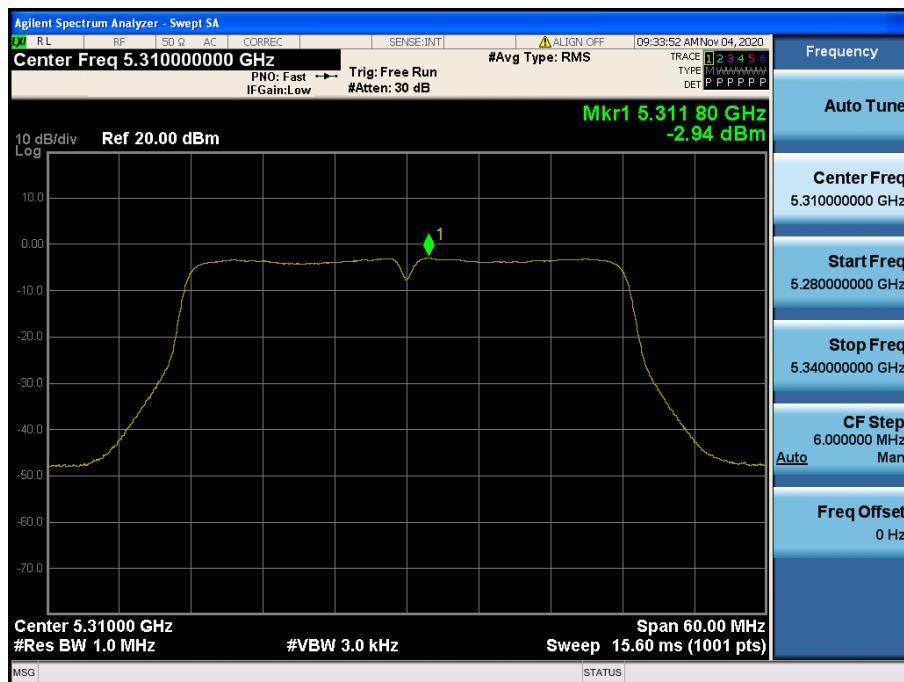
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Test Mode: TM 3 & ANT 2 & Ch.54



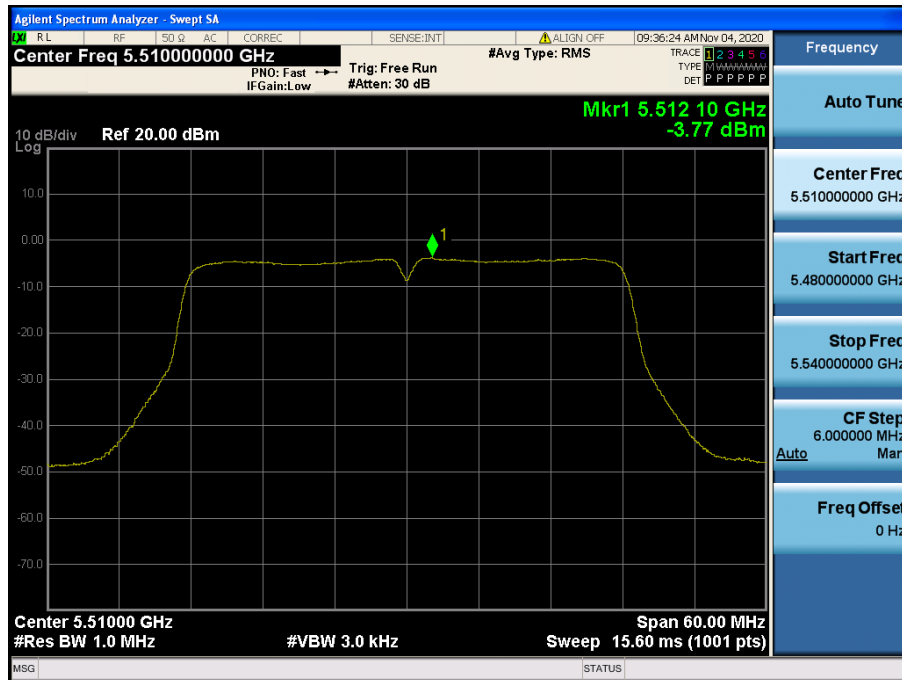
Maximum Power Spectral Density

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



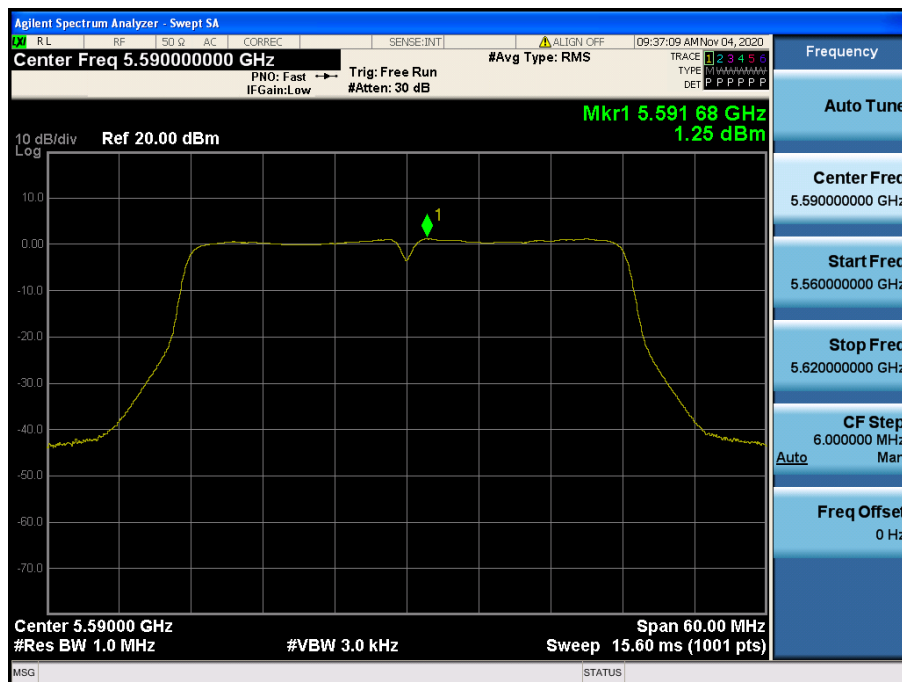
Maximum Power Spectral Density

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



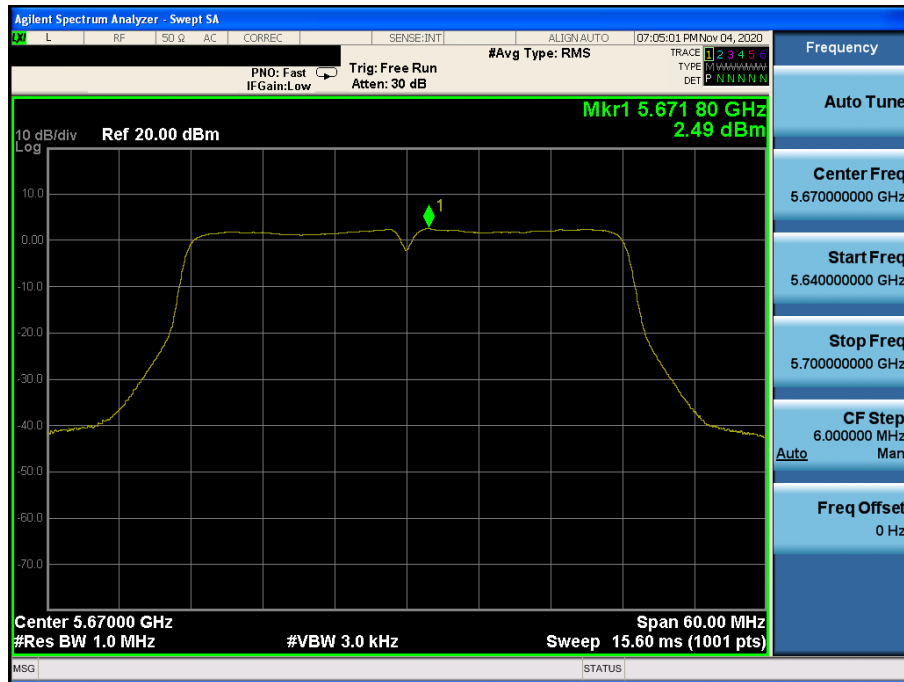
Maximum Power Spectral Density

Test Mode: TM 3 & ANT 2 & Ch.118



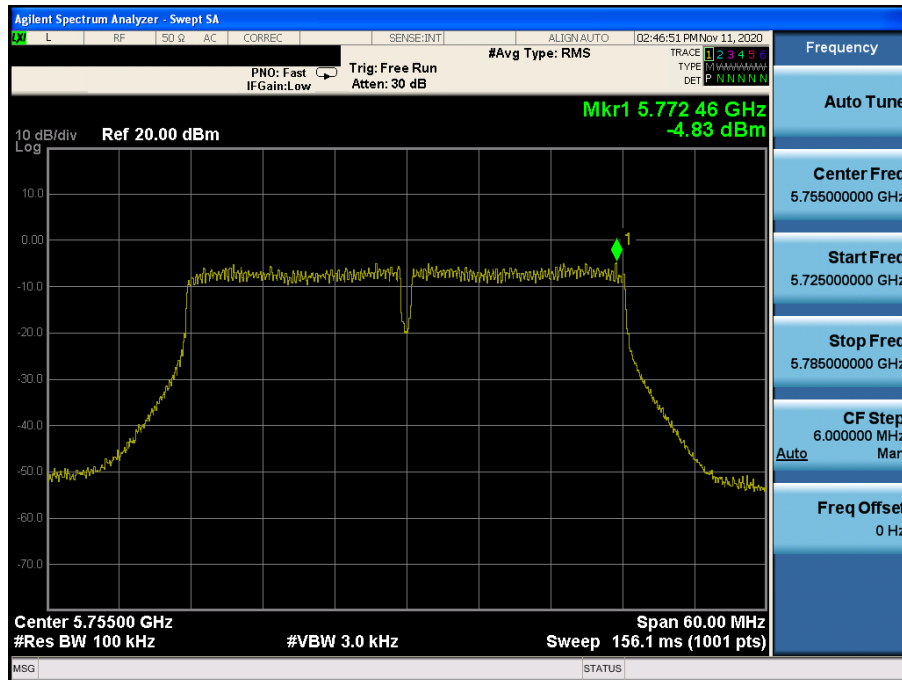
Maximum Power Spectral Density

Test Mode: TM 3 & ANT 2 & Ch.134



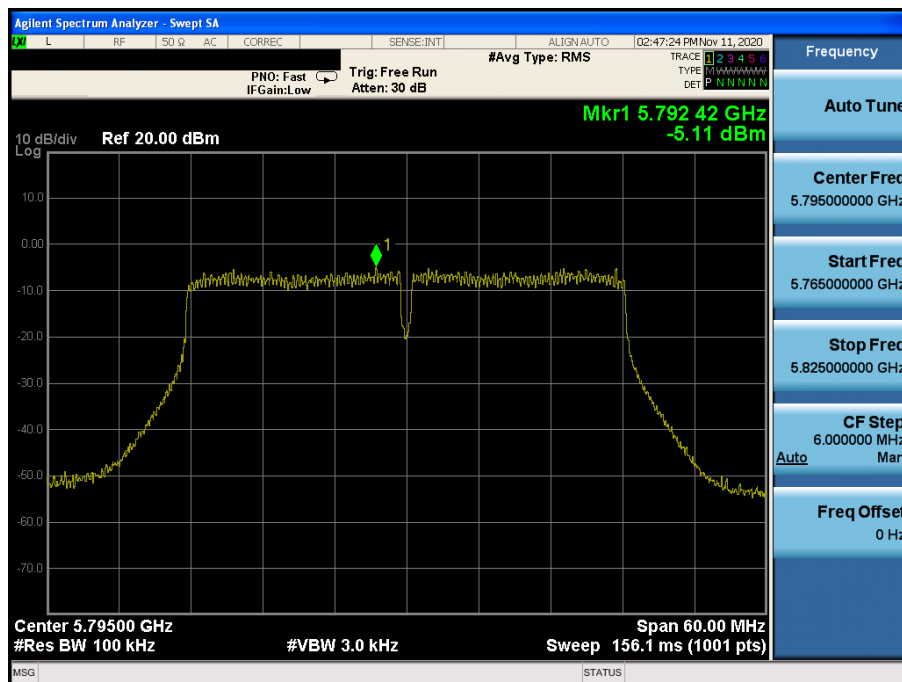
Maximum Power Spectral Density

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



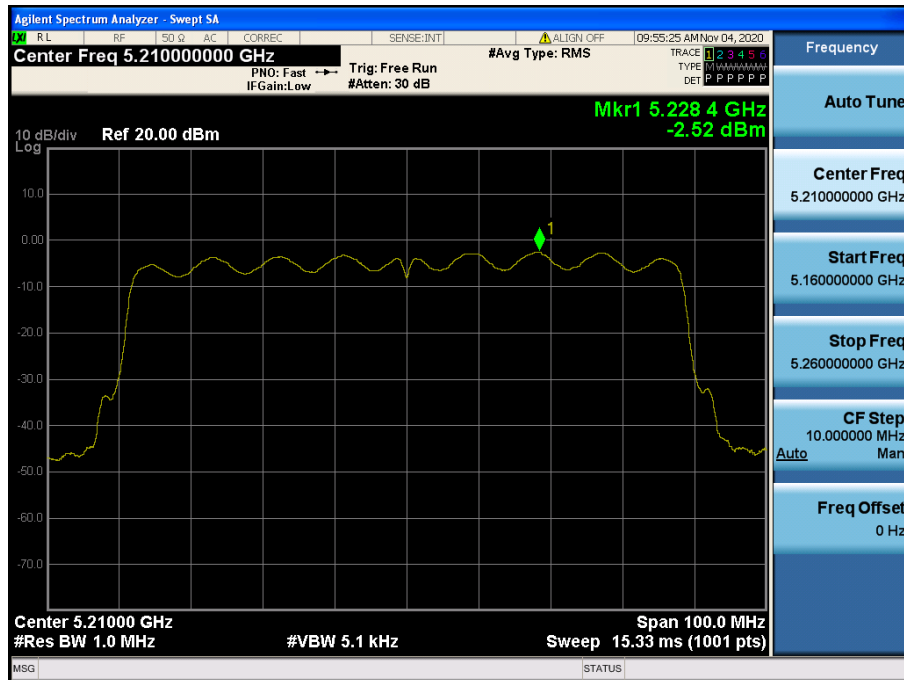
Maximum Power Spectral Density

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



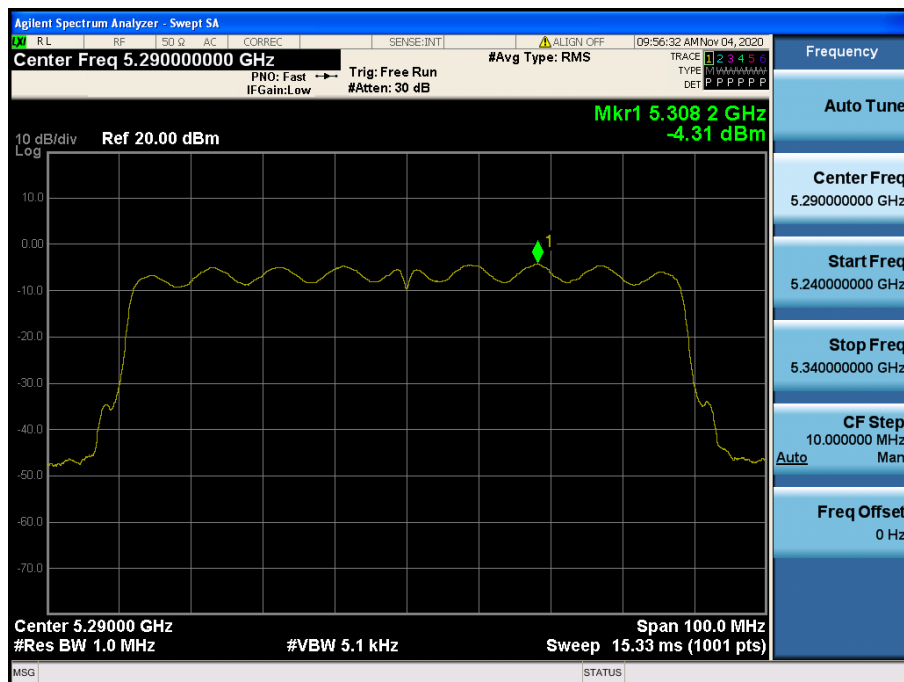
Maximum Power Spectral Density

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



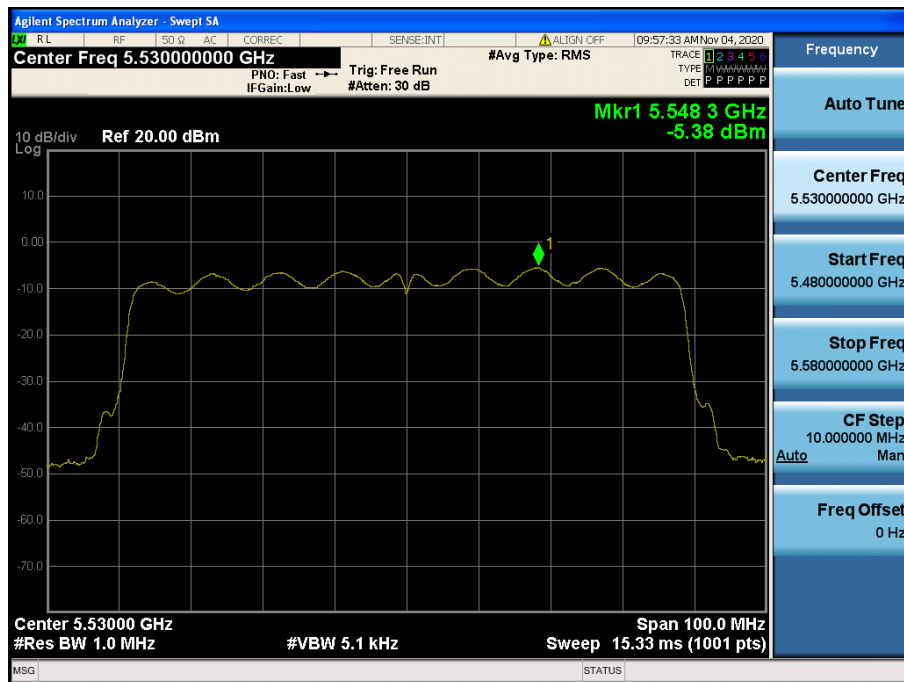
Maximum Power Spectral Density

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



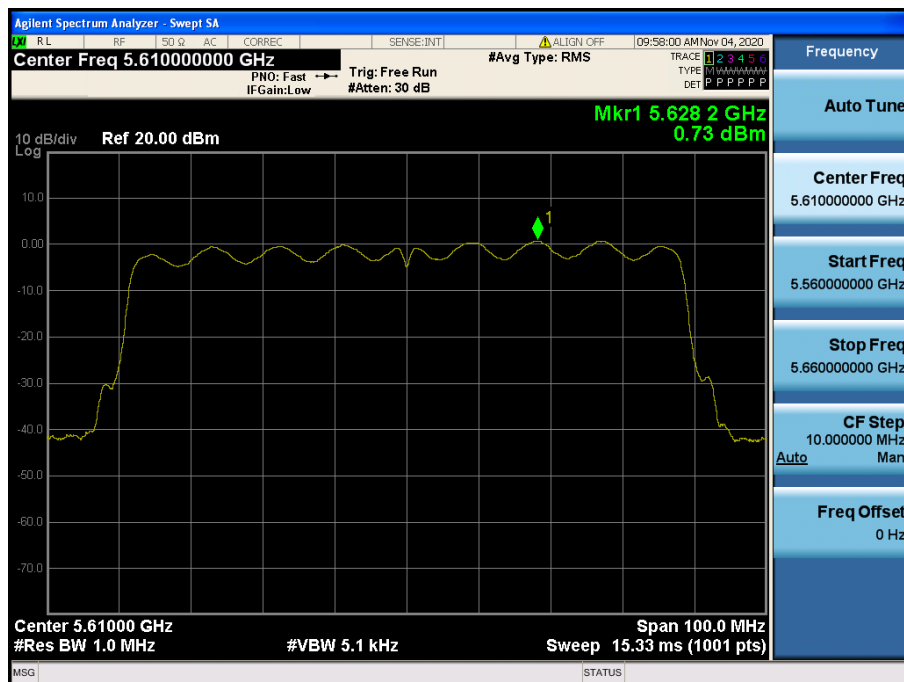
Maximum Power Spectral Density

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



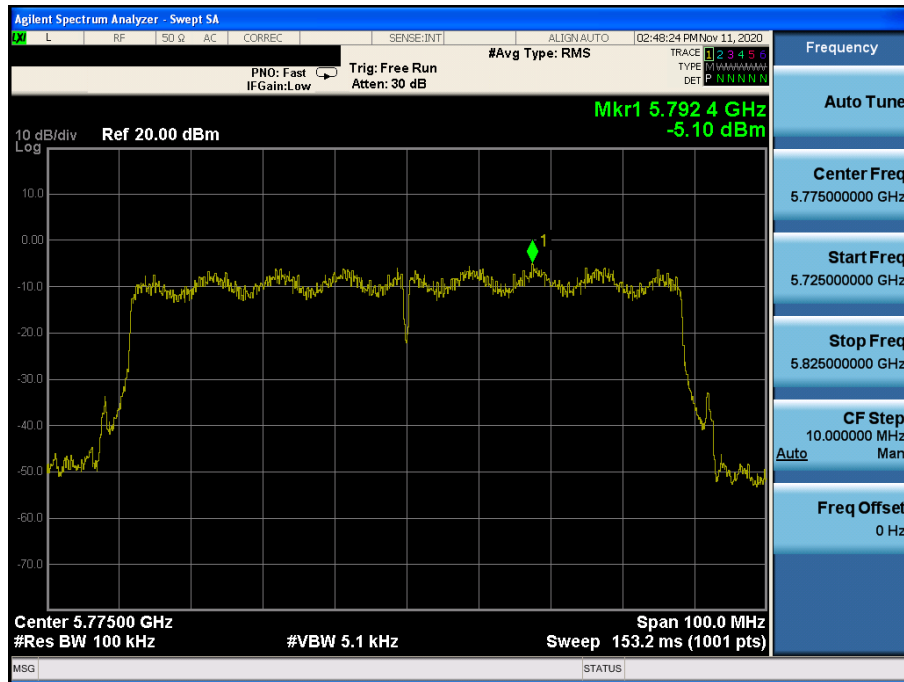
Maximum Power Spectral Density

Test Mode: TM 4 & ANT 2 & Ch.122



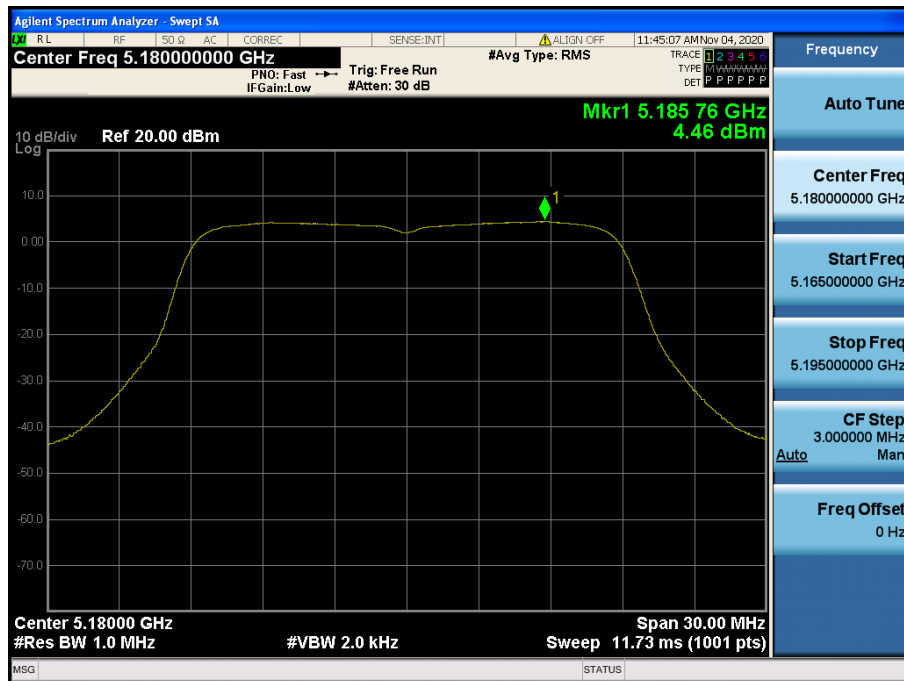
Maximum Power Spectral Density

Test Mode: TM 4 & ANT 2 & Ch.155



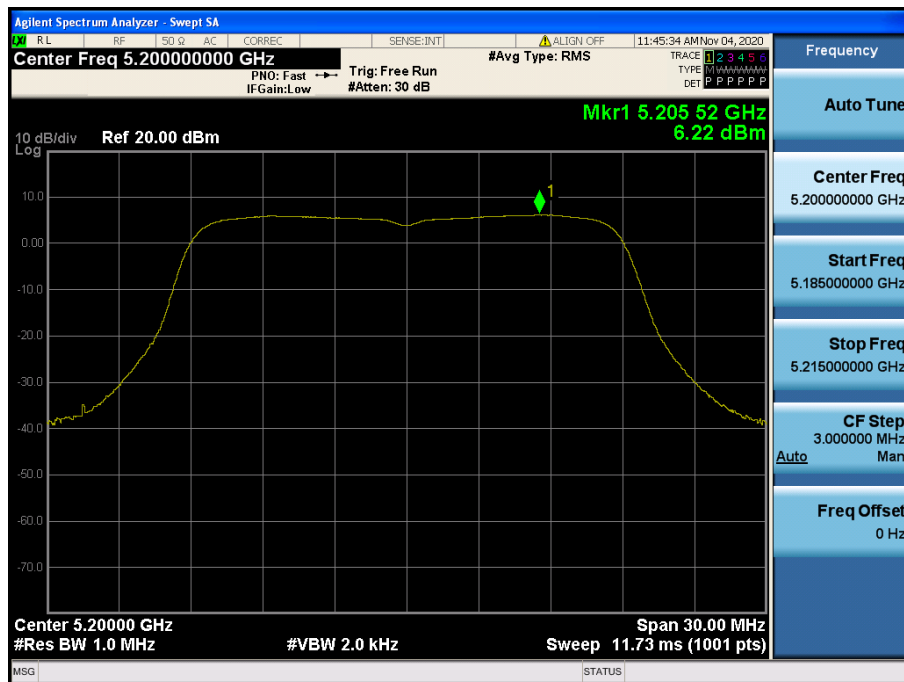
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.36



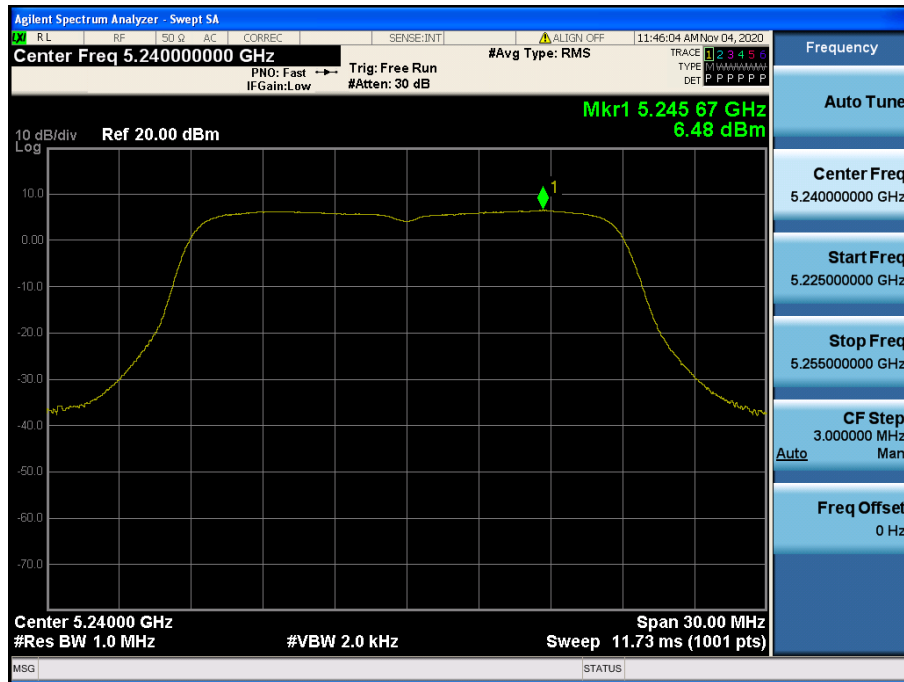
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.40



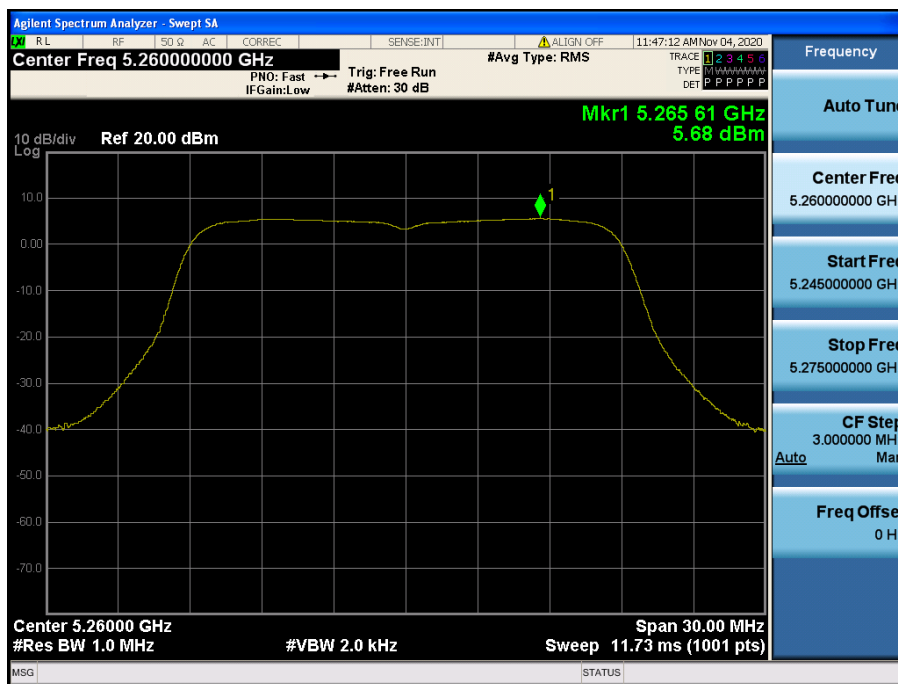
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.48



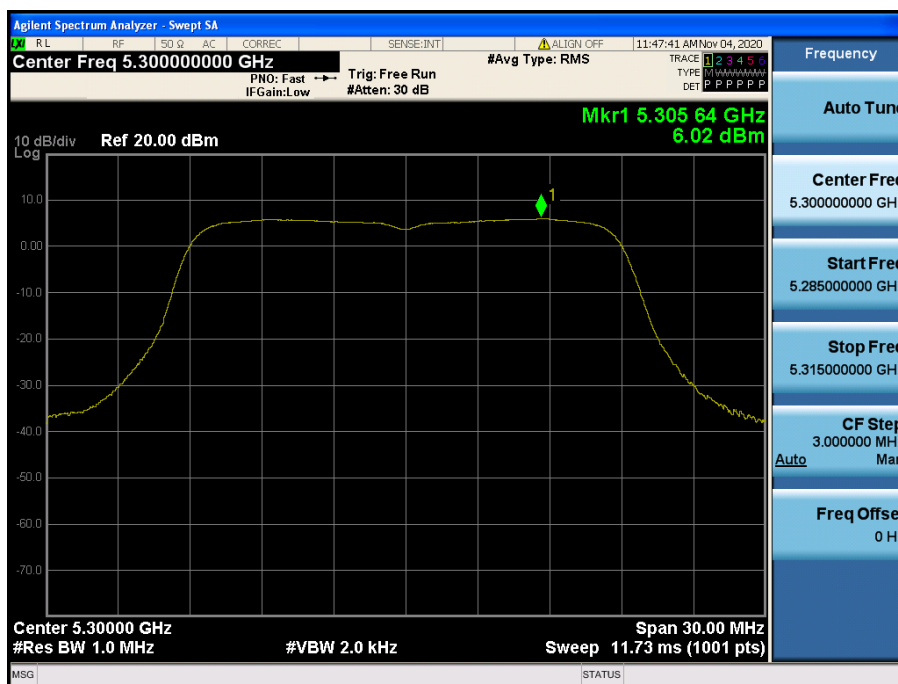
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.52



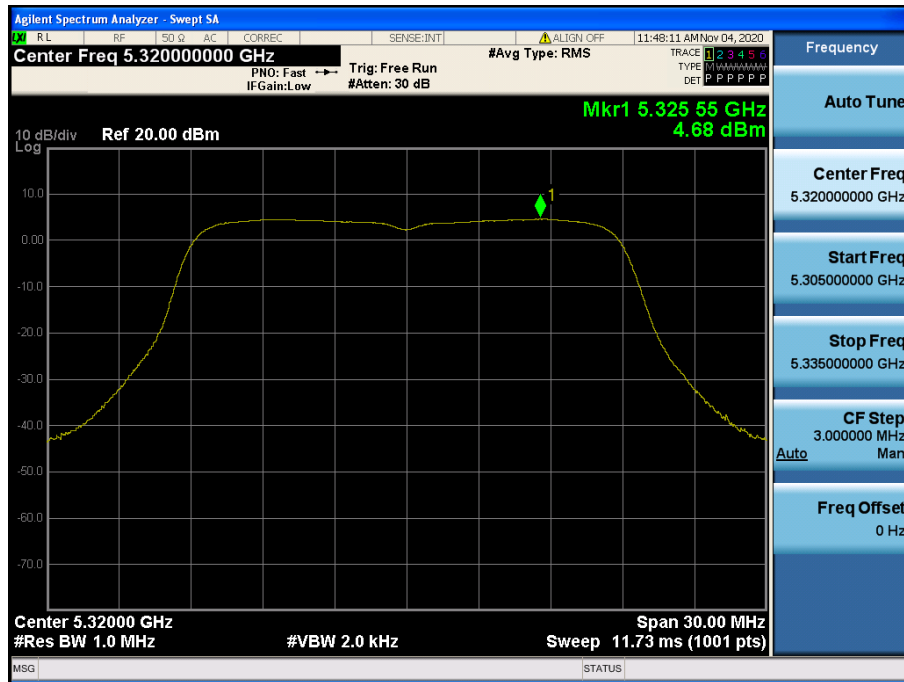
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.60



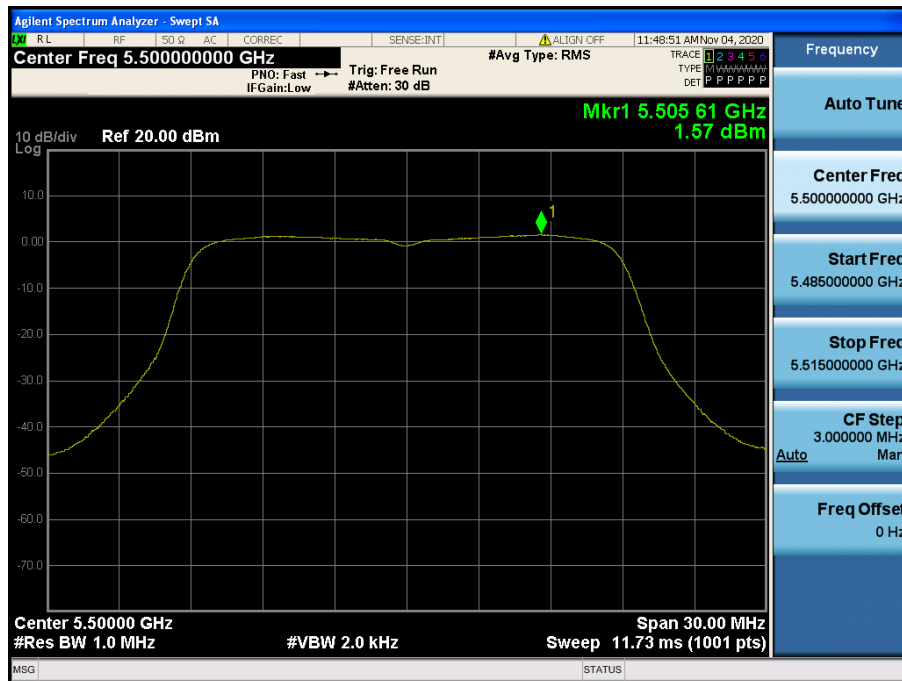
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.64



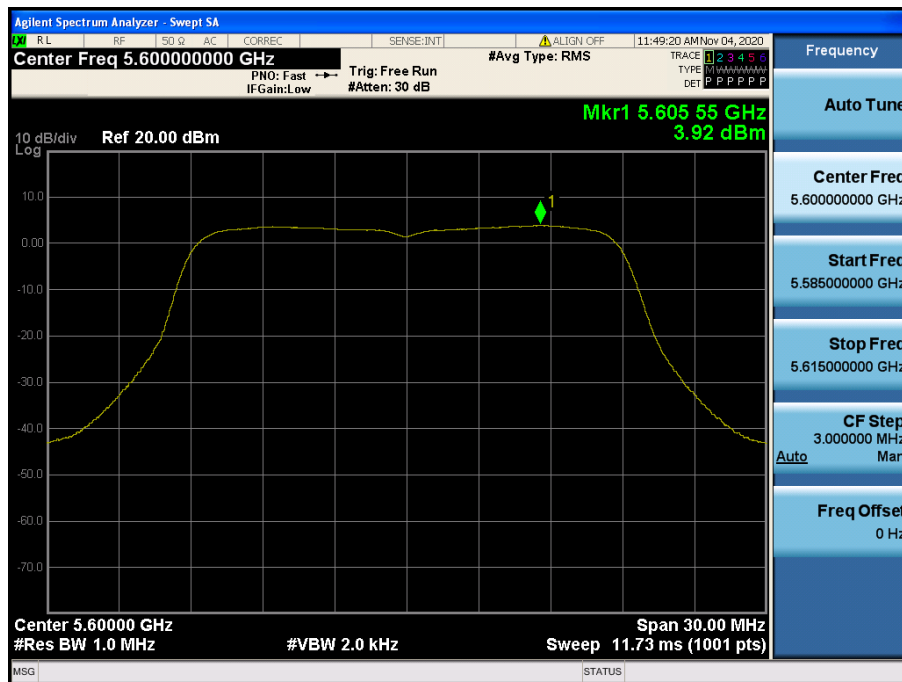
Maximum Power Spectral Density

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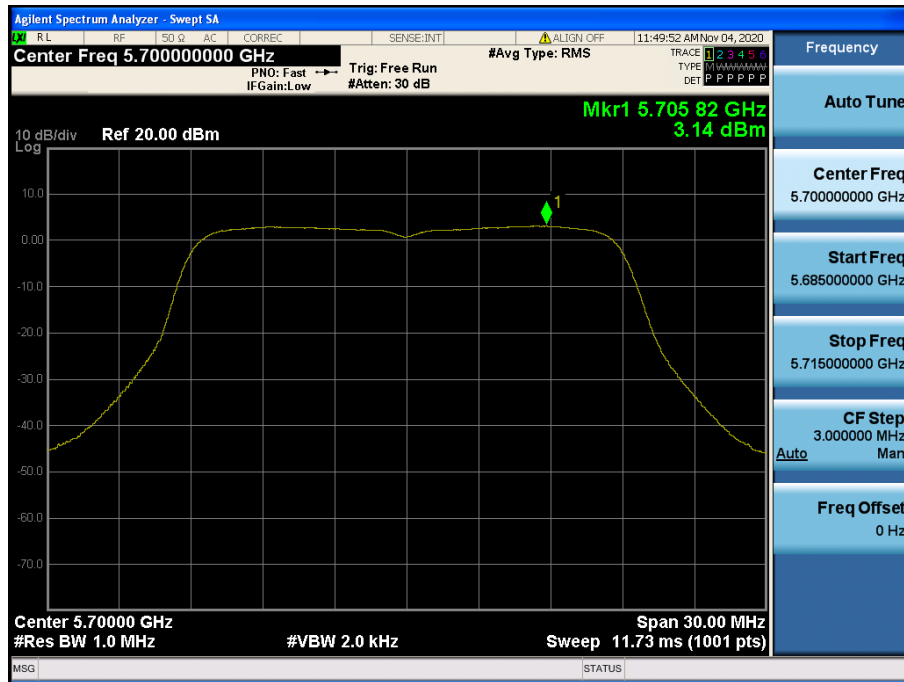
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.120



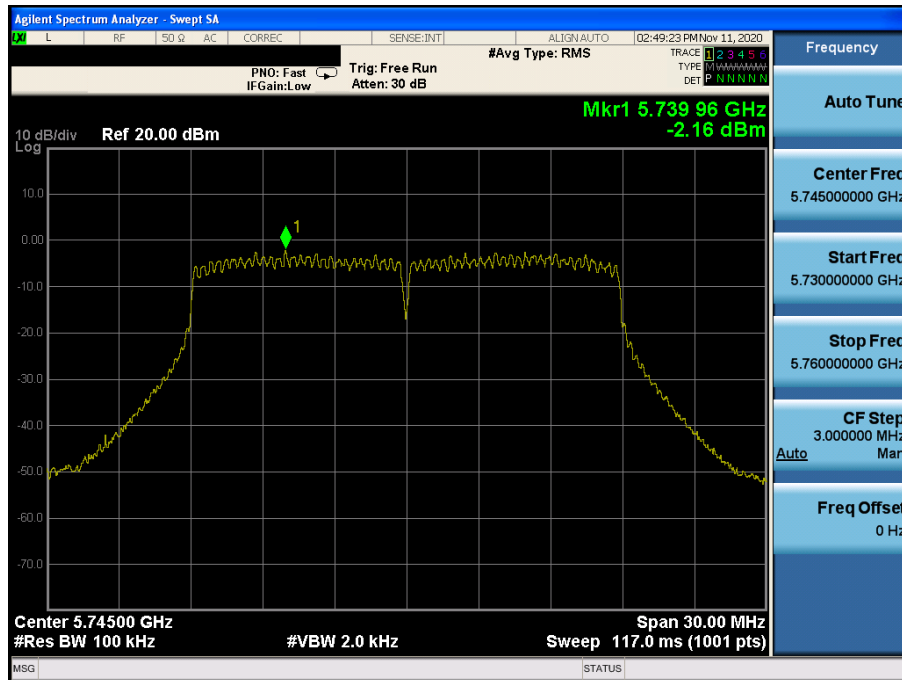
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.140



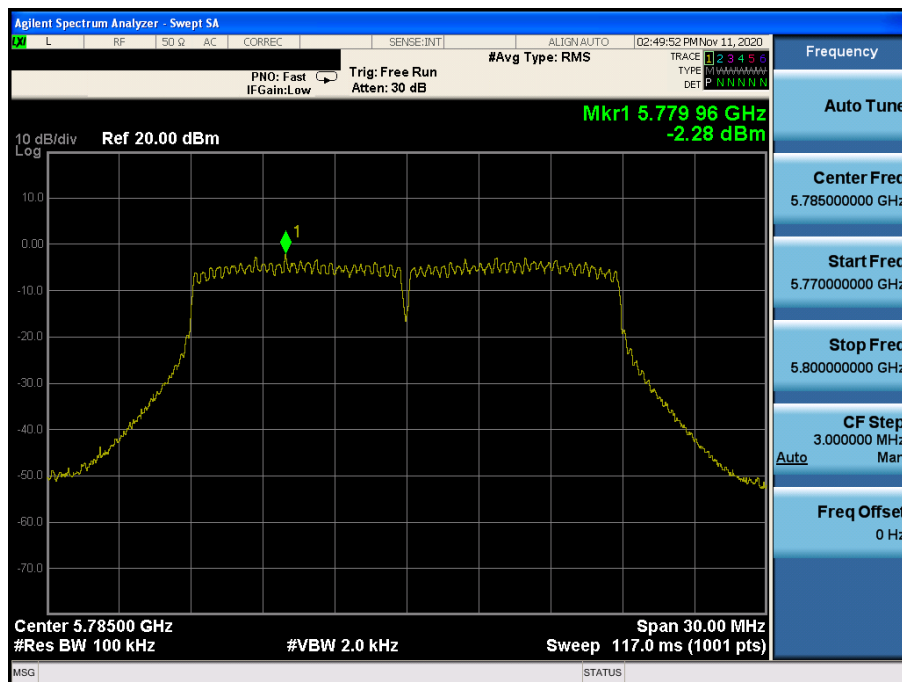
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.149



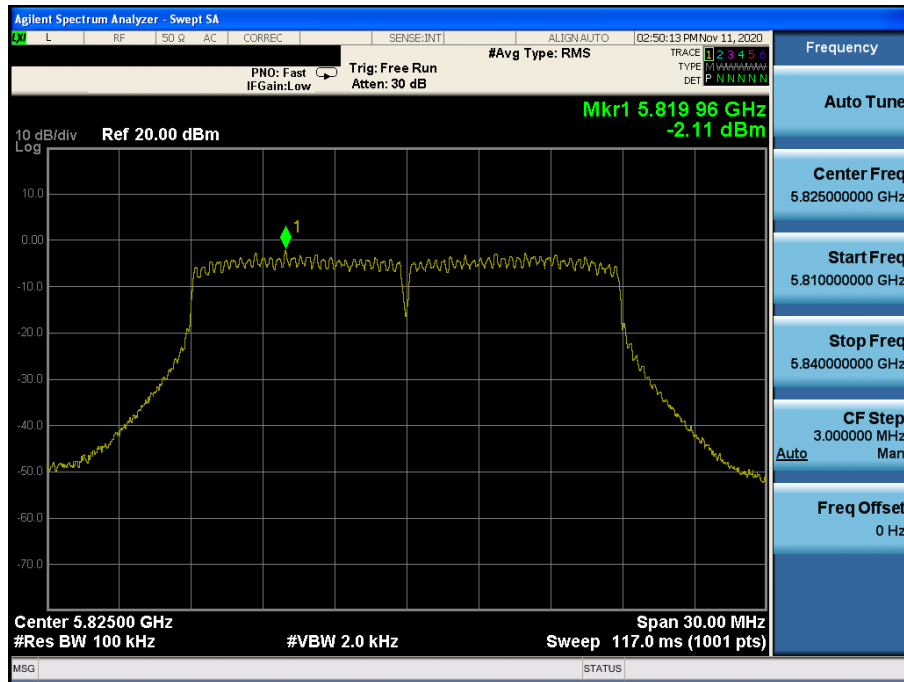
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.157



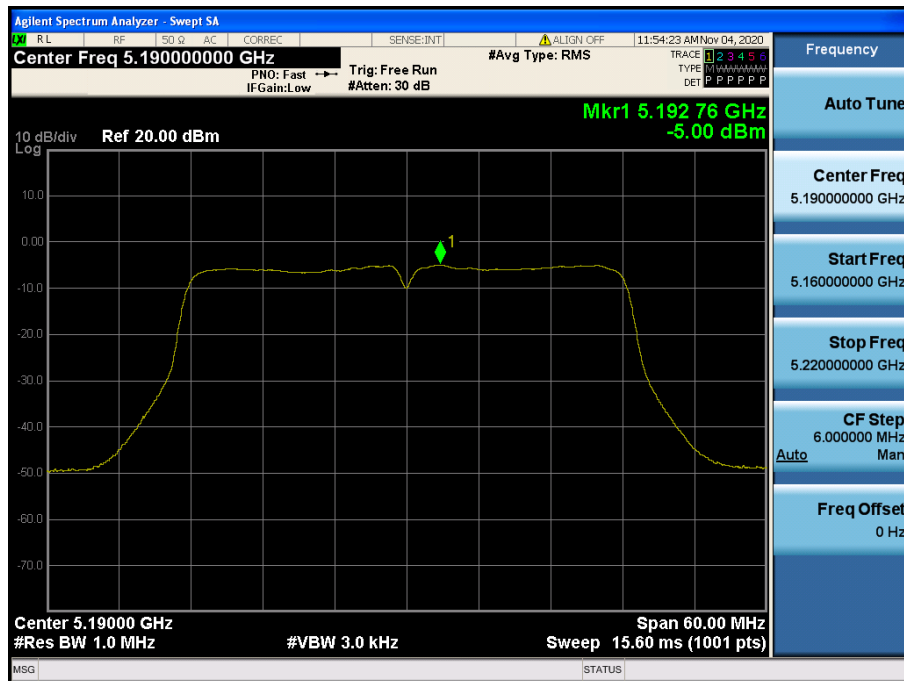
Maximum Power Spectral Density

Test Mode: TM 5 & ANT 2 & Ch.165



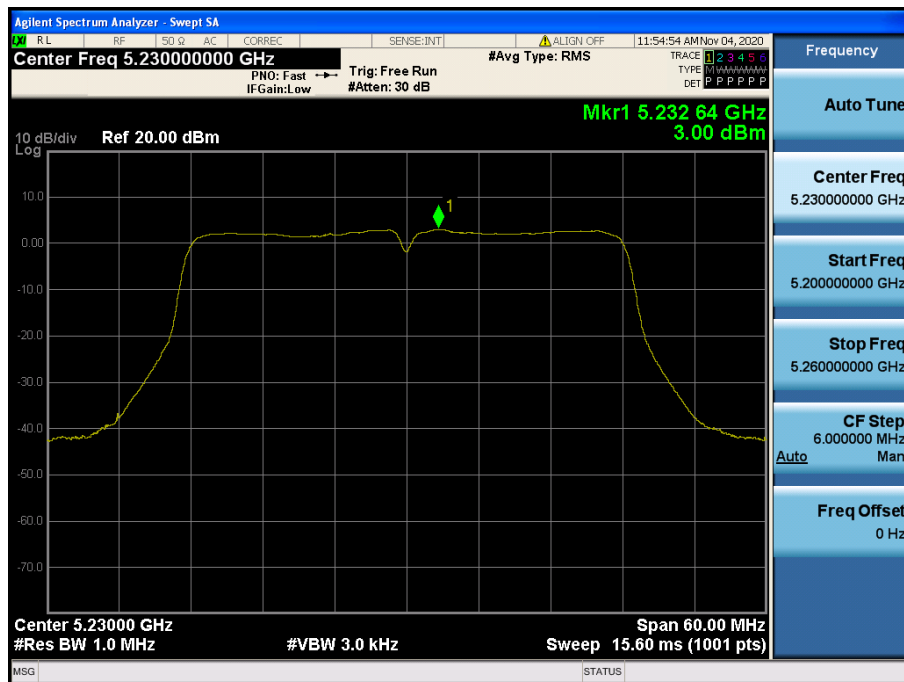
Maximum Power Spectral Density

Test Mode: TM 6 & ANT 2 & Ch.38



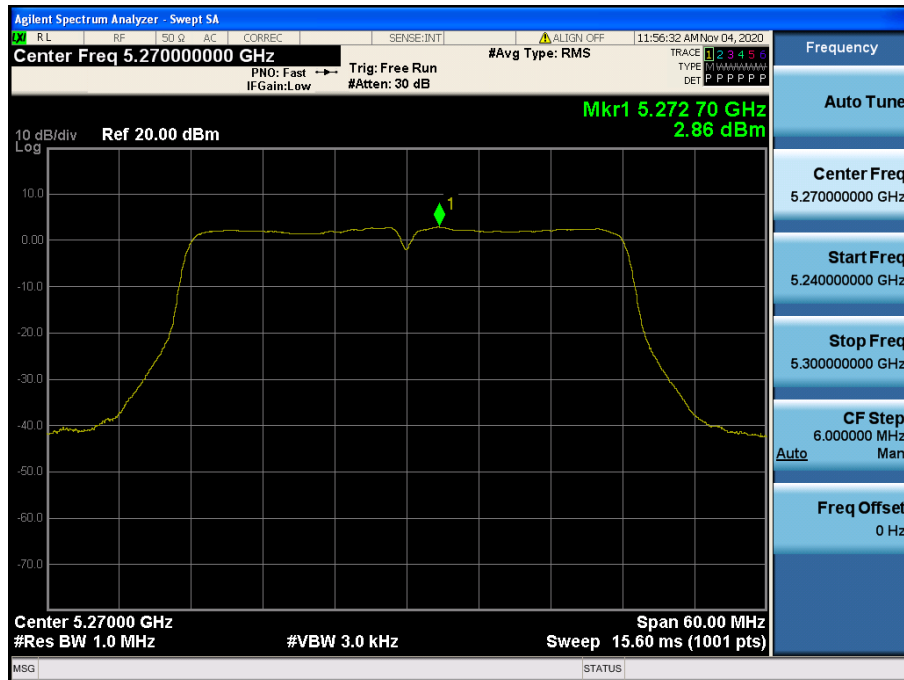
Maximum Power Spectral Density

Test Mode: TM 6 & ANT 2 & Ch.46



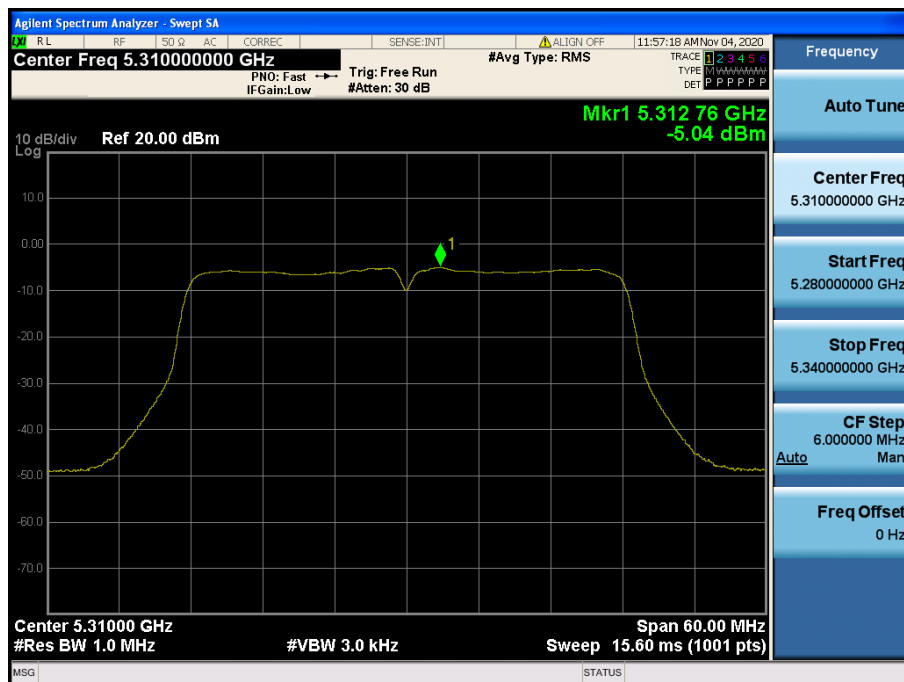
Maximum Power Spectral Density

Test Mode: TM 6 & ANT 2 & Ch.54



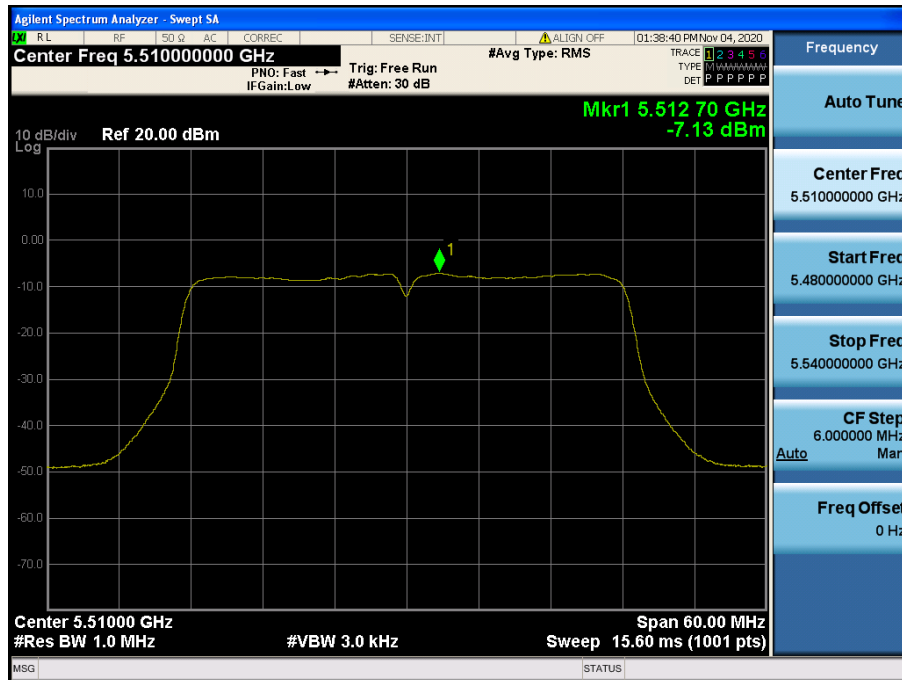
Maximum Power Spectral Density

Test Mode: TM 6 & ANT 2 & Ch.62



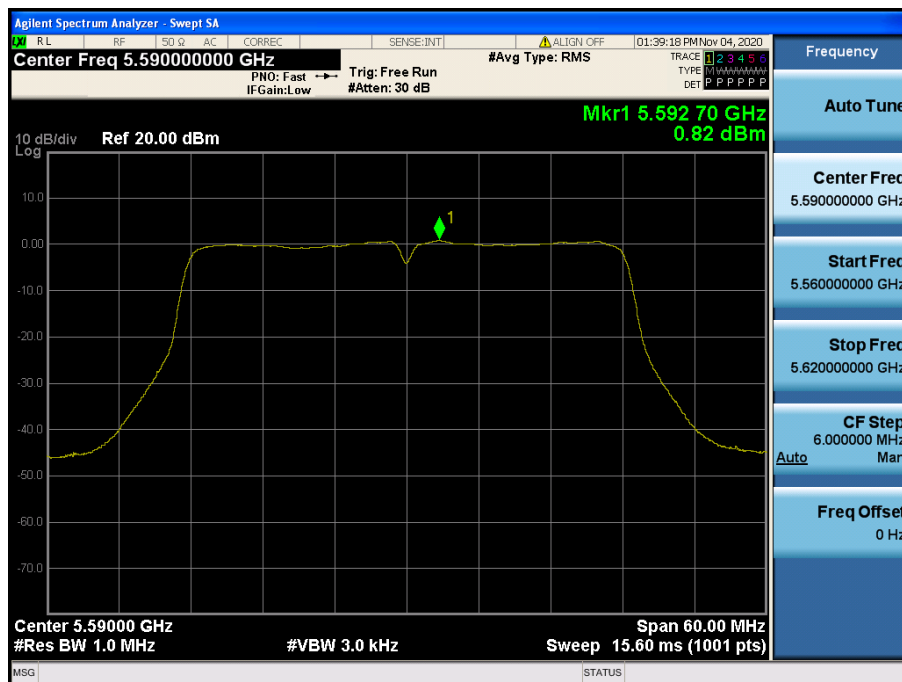
Maximum Power Spectral Density

Test Mode: TM 6 & ANT 2 & Ch.102



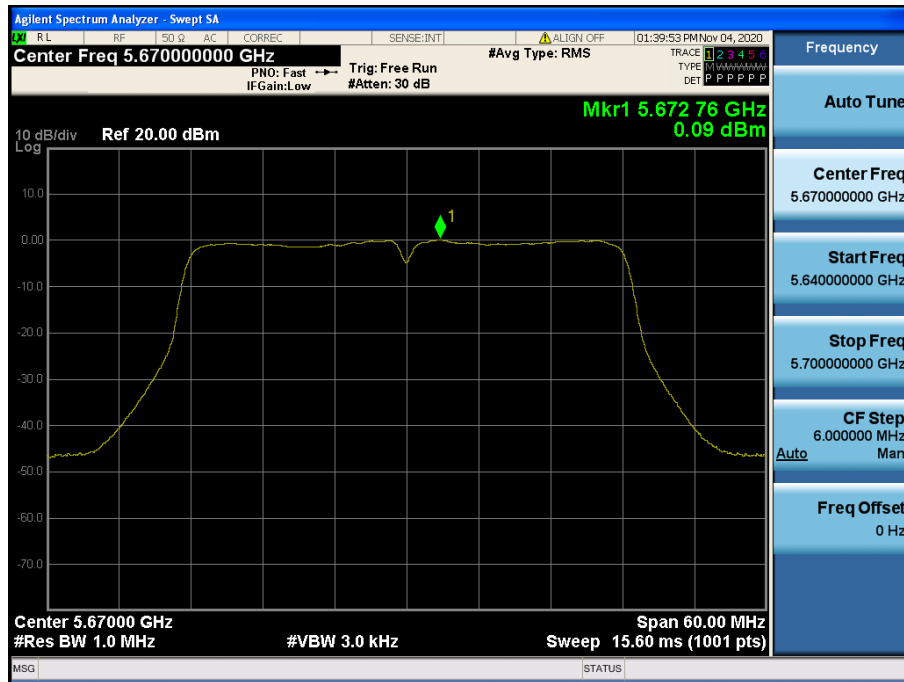
Maximum Power Spectral Density

Test Mode: TM 6 & ANT 2 & Ch.118



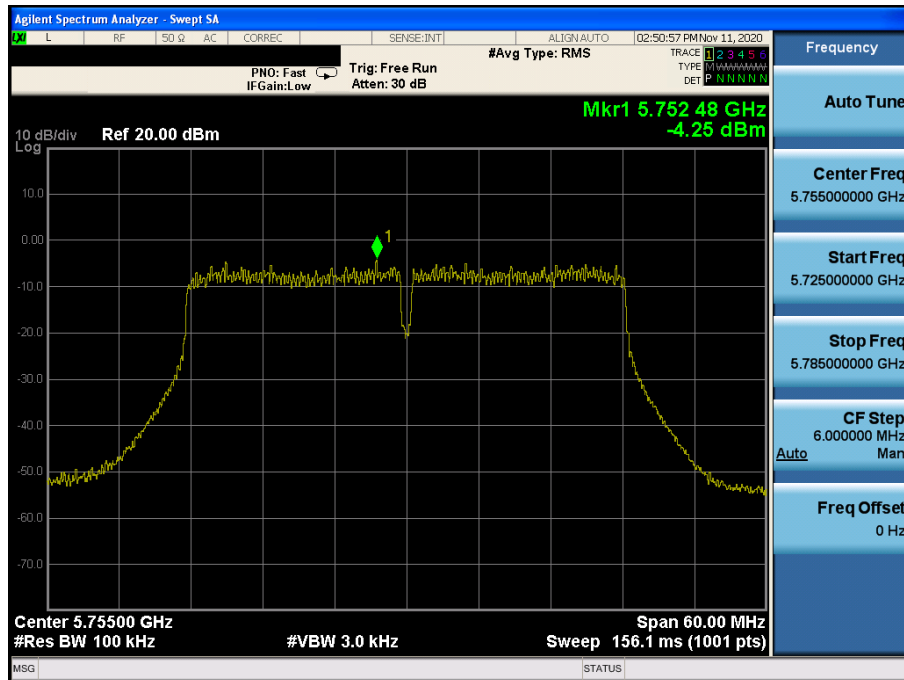
Maximum Power Spectral Density

Test Mode: TM 6 & ANT 2 & Ch.134



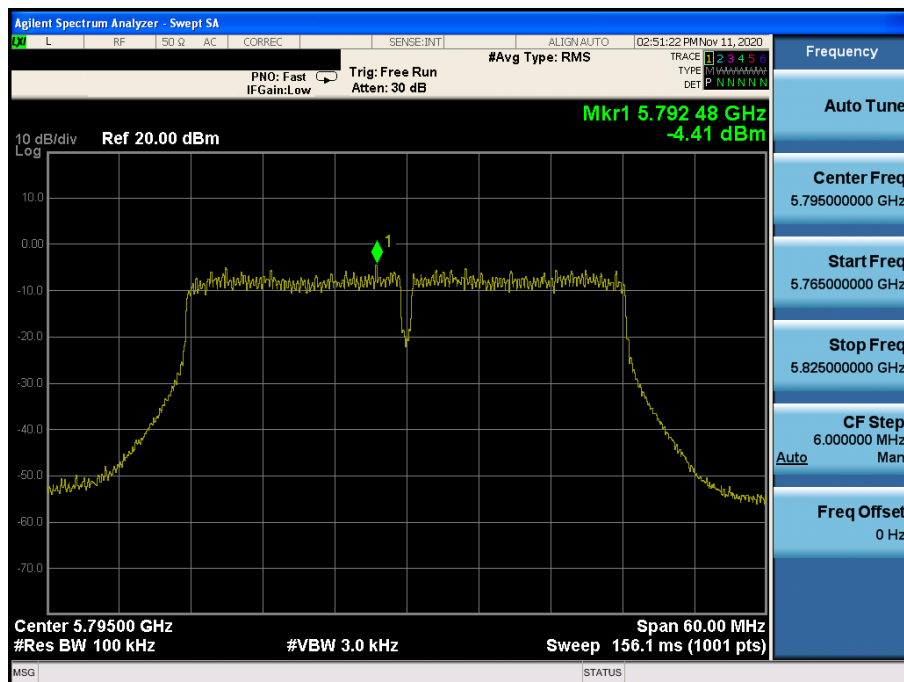
Maximum Power Spectral Density

Test Mode: TM 6 & ANT 2 & Ch.151



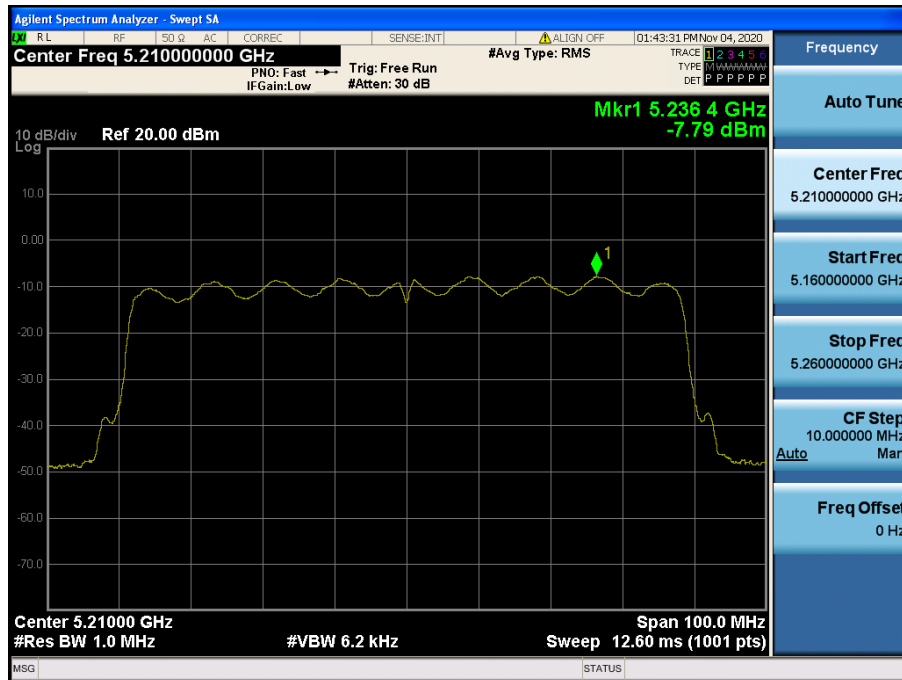
Maximum Power Spectral Density

Test Mode: TM 6 & ANT 2 & Ch.159



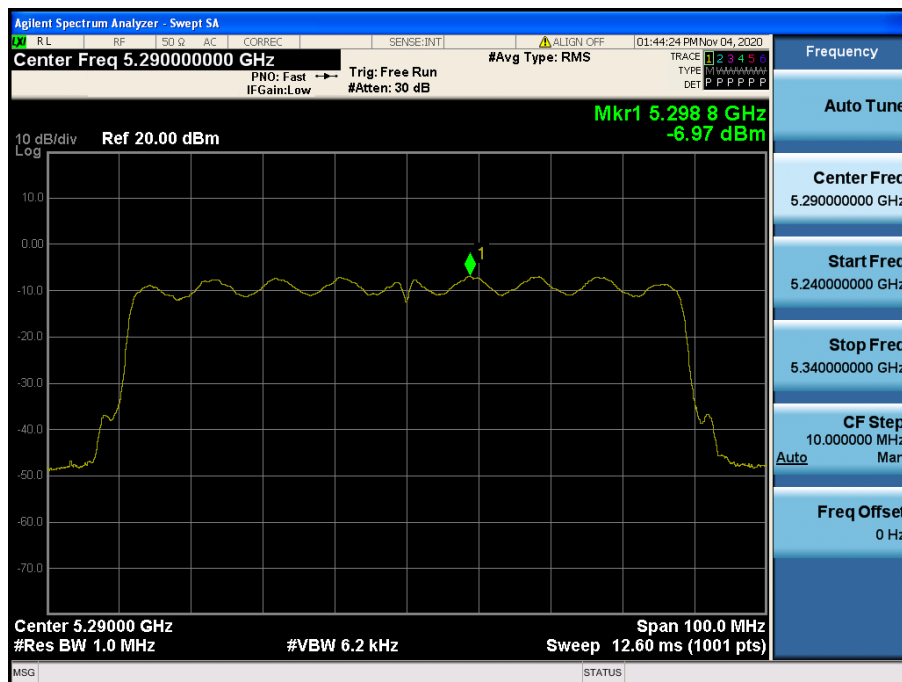
Maximum Power Spectral Density

Test Mode: TM 7 & ANT 2 & Ch.42



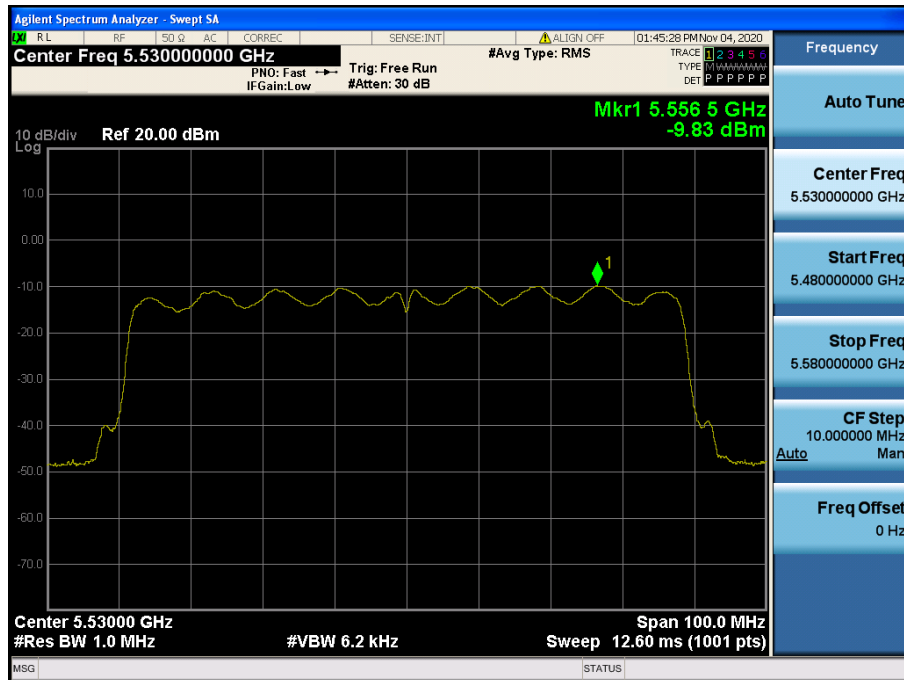
Maximum Power Spectral Density

Test Mode: TM 7 & ANT 2 & Ch.58



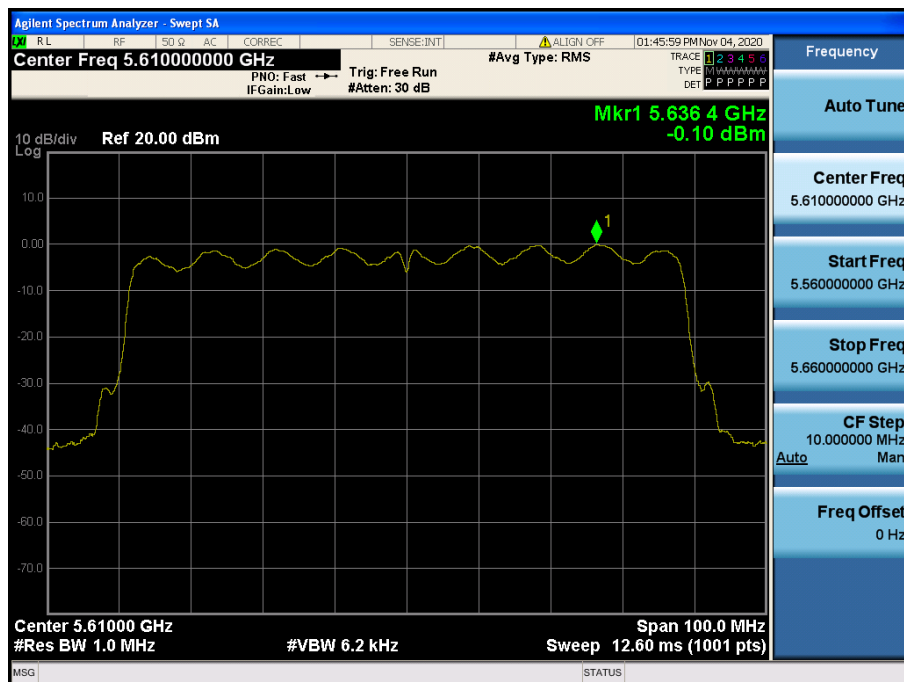
Maximum Power Spectral Density

Test Mode: TM 7 & ANT 2 & Ch.106



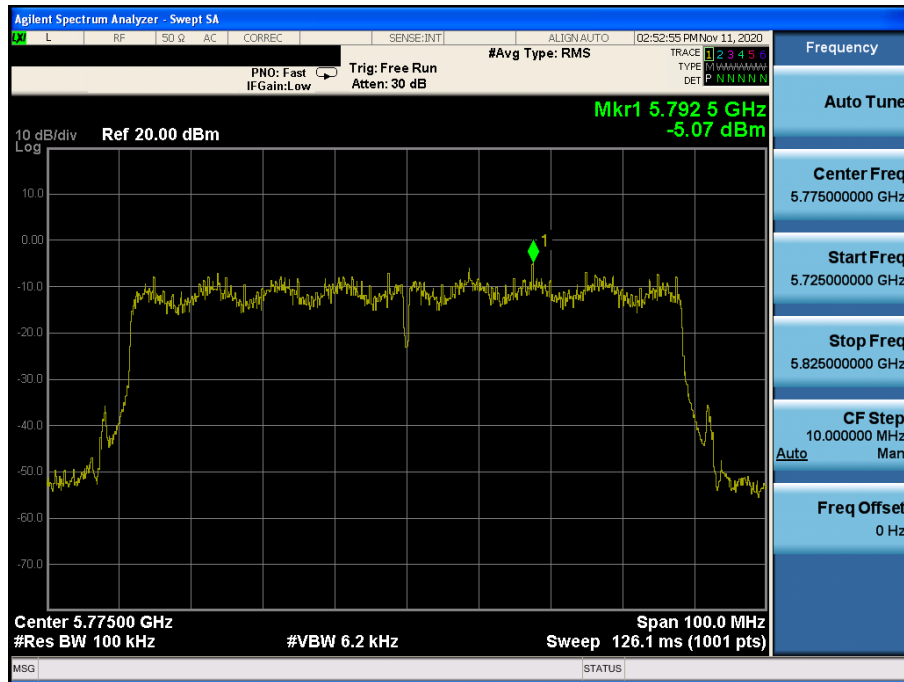
Maximum Power Spectral Density

Test Mode: TM 7 & ANT 2 & Ch.122



Maximum Power Spectral Density

Test Mode: TM 7 & ANT 2 & Ch.155



8.5 Radiated Spurious Emission Measurements

■ Test Requirements

■ FCC Part 15.209(a) and (b)

Frequency (MHz)	Limit (uV/m)	Measurement Distance (meter)
0.009 – 0.490	2 400 / F (kHz)	300
0.490 – 1.705	24 000 / F (kHz)	30
1.705 – 30.0	30	30
30 ~ 88	100 **	3
88 ~ 216	150 **	3
216 ~ 960	200 **	3
Above 960	500	3

** Except as provided in 15.209(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.

■ FCC Part 15.205 (a): Only spurious emissions are permitted in any of the frequency bands listed below:

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	162.0125 ~ 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	2 690 ~ 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		

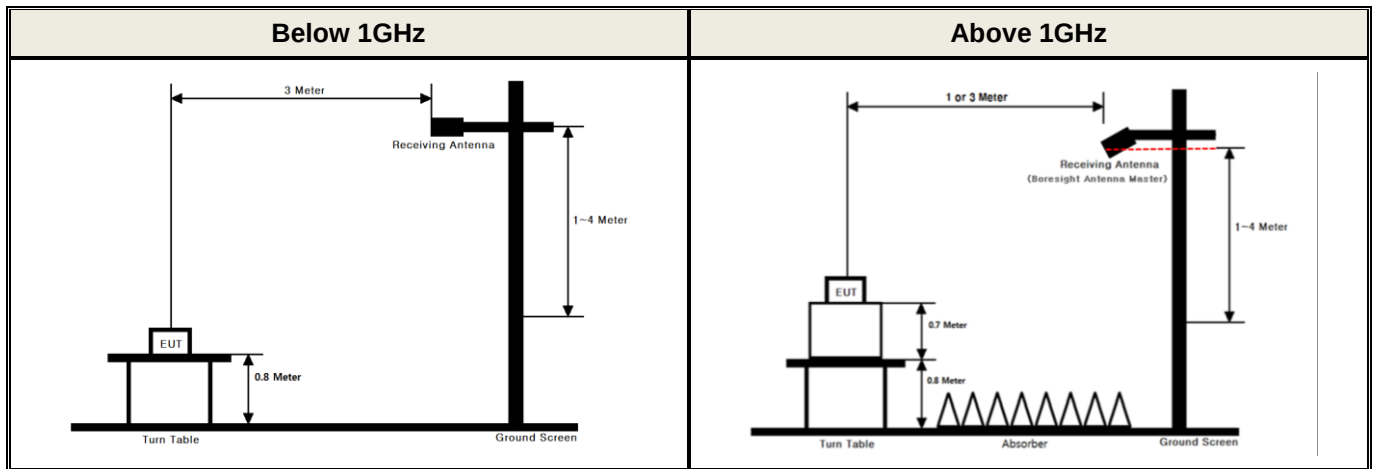
■ **FCC Part 15.205(b):** The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

■ **FCC Part 15.407 (b):** 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 **5.15-5.25 GHz band**: all emissions outside of the **5.15-5.35 GHz band** shall not exceed an **EIRP of -27 dBm/MHz**.
- (2) For transmitters operating in the **5.25-5.35 GHz band**: all emissions outside of the **5.15-5.35 GHz band** shall not exceed an **EIRP of -27 dBm/MHz**.
- (3) For transmitters operating in the **5.47-5.725 GHz band**: all emissions outside of the **5.47-5.725 GHz band** shall not exceed an **EIRP of -27 dBm/MHz**.
- (4) For transmitters operating in the **5.725-5.85 GHz band**: 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.
- (5) 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.
- (6) 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**.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency

band edges as the design of the equipment permits.

■ 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 1m or 3 m away from the receiving antenna, which is varied from 1m 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 1000 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 1000 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 –VB-A)**

- a) RBW = 1 MHz.
- b) Video bandwidth:
 - 1) If the EUT is configured to transmit with $D \geq 98\%$, then set $VBW \leq RBW / 100$ (i.e., 10 kHz), but not less than 10 Hz.
 - 2) If the EUT D is $< 98\%$, then set $VBW \geq 1 / T$, where T is defined in item a1) of 12.2.
- c) Video bandwidth mode or display mode:
 - 1) The instrument shall be set with video filtering applied in the power domain. Typically, this requires setting the detector mode to RMS (power averaging) and setting the average-VBW type to power (rms).
 - 2) As an alternative, the instrument may be set to linear detector mode. Video filtering shall be applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode to accomplish this. Others have a setting for average-VBW type, which can be set to “voltage” regardless of the display mode.
- d) Detector = peak.
- e) Sweep time = auto.
- f) Trace mode = max hold.
- g) Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where D is the duty cycle. For example, use at least 200 traces if the duty cycle is 25%. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 50 traces should be averaged.)

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 correction 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 = $20 \log(\text{tested distance} / \text{specified distance})$
- Sample Calculation.
Margin = Limit – Result / Result = Reading + T.F+ DCCF + DCF / T.F = AF + CL + HL + AL – AG
Where, T.F = 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.
 $E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2 \text{ dB} = -27 \text{ dBm} + 95.2 = 68.2 \text{ dBuV/m}$

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : **TM1 (SISO ANT 1)**

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	36 (5 180 MHz)	5 148.47	V	X	PK	58.11	1.78	N/A	N/A	59.89	74.00	14.11
		5 149.34	V	X	AV	44.89	1.79	N/A	N/A	46.68	54.00	7.32
		10 360.52	V	X	PK	44.00	7.98	N/A	N/A	51.98	68.20	16.22
	40 (5 200 MHz)	10 399.42	V	X	PK	42.96	8.03	N/A	N/A	50.99	68.20	17.21
		10 480.07	V	X	PK	44.71	8.18	N/A	N/A	52.89	68.20	15.31
U-NII 2A	52 (5 260 MHz)	10 520.68	V	X	PK	45.15	8.28	N/A	N/A	53.43	68.20	14.77
		10 599.05	V	X	PK	46.27	8.64	N/A	N/A	54.91	68.20	13.29
	60 (5 300 MHz)	10 600.14	V	X	AV	34.78	8.64	N/A	N/A	43.42	54.00	10.58
		5 350.06	V	X	PK	62.61	3.33	N/A	N/A	65.94	74.00	8.06
		5 350.73	V	X	AV	46.92	3.33	N/A	N/A	50.25	54.00	3.75
		10 640.39	V	X	PK	46.11	8.89	N/A	N/A	55.00	74.00	19.00
		10 639.97	V	X	AV	34.59	8.88	N/A	N/A	43.47	54.00	10.53
U-NII 2C	100 (5 500 MHz)	5 458.64	V	X	PK	54.34	3.43	N/A	N/A	57.77	74.00	16.23
		5 459.75	V	X	AV	43.80	3.43	N/A	N/A	47.23	54.00	6.77
		5 468.18	V	X	PK	58.61	3.43	N/A	N/A	62.04	68.20	6.16
		11 000.55	V	X	PK	45.61	9.65	N/A	N/A	55.26	74.00	18.74
		11 000.35	V	X	AV	35.10	9.65	N/A	N/A	44.75	54.00	9.25
	120 (5 600 MHz)	11 200.16	V	X	PK	49.57	9.27	N/A	N/A	58.84	74.00	15.16
		11 199.93	V	X	AV	38.03	9.27	N/A	N/A	47.30	54.00	6.70
	140 (5 700 MHz)	5 726.65	V	X	PK	60.67	3.14	N/A	N/A	63.81	68.20	4.39
		11 400.84	V	X	PK	52.77	9.10	N/A	N/A	61.87	74.00	12.13
		11 399.80	V	X	AV	41.64	9.10	N/A	N/A	50.74	54.00	3.26
U-NII 3	149 (5 745 MHz)	5 648.50	V	X	PK	51.93	3.21	N/A	N/A	55.14	68.20	13.06
		5 724.88	V	X	PK	78.26	3.12	N/A	N/A	81.38	121.93	40.55
		11 490.62	V	X	PK	52.84	9.06	N/A	N/A	61.90	74.00	12.10
		11 489.83	V	X	AV	41.61	9.06	N/A	N/A	50.67	54.00	3.33
	157 (5 785 MHz)	11 570.90	V	X	PK	52.46	9.09	N/A	N/A	61.55	74.00	12.45
		11 569.82	V	X	AV	41.04	9.09	N/A	N/A	50.13	54.00	3.87
	165 (5 825 MHz)	5 852.18	V	X	PK	57.81	3.69	N/A	N/A	61.50	117.23	55.73
		5 979.08	V	X	PK	58.60	4.20	N/A	N/A	62.80	68.20	5.40
		11 650.84	V	X	PK	52.64	9.36	N/A	N/A	62.00	74.00	12.00

		11 649.86	V	X	AV	41.22	9.35	N/A	N/A	50.57	54.00	3.43
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Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : TM1 (SISO ANT 2)

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	36 (5 180 MHz)	5 148.40	V	X	PK	61.46	1.78	N/A	N/A	63.24	74.00	10.76
		5 149.51	V	X	AV	45.71	1.79	N/A	N/A	47.50	54.00	6.50
		10 360.47	V	Y	PK	45.93	7.98	N/A	N/A	53.91	68.20	14.29
	40 (5 200 MHz)	10 401.34	V	Y	PK	44.85	8.03	N/A	N/A	52.88	68.20	15.32
	48 (5 240 MHz)	10 480.85	V	Y	PK	45.52	8.18	N/A	N/A	53.70	68.20	14.50
U-NII 2A	52 (5 260 MHz)	10 521.03	V	Y	PK	44.19	8.28	N/A	N/A	52.47	68.20	15.73
	60 (5 300 MHz)	10 599.28	V	Y	PK	44.59	8.64	N/A	N/A	53.23	68.20	14.97
		10 600.21	V	Y	AV	33.80	8.64	N/A	N/A	42.44	54.00	11.56
	64 (5 320 MHz)	5 350.31	V	X	PK	58.15	3.33	N/A	N/A	61.48	74.00	12.52
		5 350.21	V	X	AV	44.50	3.33	N/A	N/A	47.83	54.00	6.17
		10 641.11	V	Y	PK	43.97	8.89	N/A	N/A	52.86	74.00	21.14
		10 640.94	V	Y	AV	33.33	8.89	N/A	N/A	42.22	54.00	11.78
U-NII 2C	100 (5 500 MHz)	5 457.30	V	X	PK	56.08	3.43	N/A	N/A	59.51	74.00	14.49
		5 458.24	V	X	AV	44.08	3.43	N/A	N/A	47.51	54.00	6.49
		5 468.36	V	X	PK	60.32	3.43	N/A	N/A	63.75	68.20	4.45
		11 000.65	V	Y	PK	47.26	9.65	N/A	N/A	56.91	74.00	17.09
		11 000.21	V	Y	AV	36.48	9.65	N/A	N/A	46.13	54.00	7.87
	120 (5 600 MHz)	11 200.49	V	Y	PK	49.40	9.27	N/A	N/A	58.67	74.00	15.33
		11 199.70	V	Y	AV	38.06	9.27	N/A	N/A	47.33	54.00	6.67
	140 (5 700 MHz)	5 727.06	V	X	PK	60.66	3.14	N/A	N/A	63.80	68.20	4.40
		11 400.34	V	Y	PK	52.14	9.10	N/A	N/A	61.24	74.00	12.76
		11 399.94	V	Y	AV	40.65	9.10	N/A	N/A	49.75	54.00	4.25
U-NII 3	149 (5 745 MHz)	5 630.40	V	X	PK	52.28	3.23	N/A	N/A	55.51	68.20	12.69
		5 723.65	V	X	PK	78.54	3.14	N/A	N/A	81.68	119.12	37.44
		11 490.70	V	Y	PK	53.90	9.06	N/A	N/A	62.96	74.00	11.04
		11 489.91	V	Y	AV	42.52	9.06	N/A	N/A	51.58	54.00	2.42
	157 (5 785 MHz)	11 570.28	V	Y	PK	52.51	9.09	N/A	N/A	61.60	74.00	12.40
		11 569.87	V	Y	AV	41.23	9.09	N/A	N/A	50.32	54.00	3.68
	165 (5 825 MHz)	5 851.43	V	X	PK	62.15	3.69	N/A	N/A	65.84	118.94	53.10
		5 981.96	V	X	PK	58.03	4.21	N/A	N/A	62.24	68.20	5.96
		11 650.82	V	Y	PK	53.29	9.36	N/A	N/A	62.65	74.00	11.35
		11 649.95	V	Y	AV	41.84	9.35	N/A	N/A	51.19	54.00	2.81

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : TM2 (SISO ANT 1)

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	36 (5 180 MHz)	5 148.89	V	X	PK	55.97	1.79	N/A	N/A	57.76	74.00	16.24
		5 149.80	V	X	AV	44.28	1.79	N/A	N/A	46.07	54.00	7.93
		10 360.79	V	X	PK	44.85	7.98	N/A	N/A	52.83	68.20	15.37
	40 (5 200 MHz)	10 400.23	V	X	PK	43.13	8.03	N/A	N/A	51.16	68.20	17.04
	48 (5 240 MHz)	10 479.72	V	X	PK	43.95	8.18	N/A	N/A	52.13	68.20	16.07
U-NII 2A	52 (5 260 MHz)	10 519.20	V	X	PK	45.09	8.28	N/A	N/A	53.37	68.20	14.83
		10 599.10	V	X	PK	44.49	8.64	N/A	N/A	53.13	68.20	15.07
	60 (5 300 MHz)	10 600.28	V	X	AV	33.91	8.64	N/A	N/A	42.55	54.00	11.45
		5 351.96	V	X	PK	63.96	3.33	N/A	N/A	67.29	74.00	6.71
		5 350.41	V	X	AV	45.94	3.33	N/A	N/A	49.27	54.00	4.73
		10 643.44	V	X	PK	44.71	8.90	N/A	N/A	53.61	74.00	20.39
		10 642.66	V	X	AV	33.33	8.90	N/A	N/A	42.23	54.00	11.77
U-NII 2C	100 (5 500 MHz)	5 459.02	V	X	PK	53.83	3.43	N/A	N/A	57.26	74.00	16.74
		5 459.62	V	X	AV	43.99	3.43	N/A	N/A	47.42	54.00	6.58
		5 467.30	V	X	PK	59.76	3.43	N/A	N/A	63.19	68.20	5.01
		11 003.24	V	X	PK	45.13	9.64	N/A	N/A	54.77	74.00	19.23
		11 002.32	V	X	AV	34.88	9.64	N/A	N/A	44.52	54.00	9.48
	120 (5 600 MHz)	11 197.86	V	X	PK	48.80	9.27	N/A	N/A	58.07	74.00	15.93
		11 198.92	V	X	AV	37.53	9.27	N/A	N/A	46.80	54.00	7.20
	140 (5 700 MHz)	5 725.15	V	X	PK	60.10	3.12	N/A	N/A	63.22	68.20	4.98
		11 398.06	V	X	PK	51.45	9.10	N/A	N/A	60.55	74.00	13.45
		11 399.28	V	X	AV	40.37	9.10	N/A	N/A	49.47	54.00	4.53
U-NII 3	149 (5 745 MHz)	5 630.15	V	X	PK	52.35	3.23	N/A	N/A	55.58	68.20	12.62
		5 724.98	V	X	PK	78.78	3.12	N/A	N/A	81.90	122.15	40.25
		11 490.87	V	X	PK	51.73	9.06	N/A	N/A	60.79	74.00	13.21
		11 490.81	V	X	AV	40.38	9.06	N/A	N/A	49.44	54.00	4.56
	157 (5 785 MHz)	11 571.32	V	X	PK	51.03	9.10	N/A	N/A	60.13	74.00	13.87
		11 570.85	V	X	AV	39.44	9.09	N/A	N/A	48.53	54.00	5.47
	165 (5 825 MHz)	5 851.39	V	X	PK	57.51	3.69	N/A	N/A	61.20	119.03	57.83
		5 980.42	V	X	PK	58.86	4.20	N/A	N/A	63.06	68.20	5.14
		11 647.86	V	X	PK	50.92	9.35	N/A	N/A	60.27	74.00	13.73
		11 648.89	V	X	AV	39.59	9.35	N/A	N/A	48.94	54.00	5.06

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : TM2 (SISO ANT 2)

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	36 (5 180 MHz)	5 148.04	V	X	PK	58.18	1.78	N/A	N/A	59.96	74.00	14.04
		5 149.48	V	X	AV	43.94	1.79	N/A	N/A	45.73	54.00	8.27
		10 361.16	V	Y	PK	44.29	7.98	N/A	N/A	52.27	68.20	15.93
	40 (5 200 MHz)	10 400.71	V	Y	PK	44.15	8.03	N/A	N/A	52.18	68.20	16.02
	48 (5 240 MHz)	10 480.28	V	Y	PK	44.39	8.18	N/A	N/A	52.57	68.20	15.63
U-NII 2A	52 (5 260 MHz)	10 520.70	V	Y	PK	44.07	8.28	N/A	N/A	52.35	68.20	15.85
		10 596.51	V	Y	PK	44.02	8.62	N/A	N/A	52.64	68.20	15.56
	60 (5 300 MHz)	10 600.07	V	Y	AV	33.36	8.64	N/A	N/A	42.00	54.00	12.00
		5 351.20	V	X	PK	59.30	3.33	N/A	N/A	62.63	74.00	11.37
		5 350.20	V	X	AV	43.52	3.33	N/A	N/A	46.85	54.00	7.15
		10 639.89	V	Y	PK	43.48	8.88	N/A	N/A	52.36	74.00	21.64
		10 640.79	V	Y	AV	32.39	8.89	N/A	N/A	41.28	54.00	12.72
U-NII 2C	100 (5 500 MHz)	5 459.55	V	X	PK	54.24	3.43	N/A	N/A	57.67	74.00	16.33
		5 459.18	V	X	AV	43.62	3.43	N/A	N/A	47.05	54.00	6.95
		5 468.17	V	X	PK	58.66	3.43	N/A	N/A	62.09	68.20	6.11
		11 001.54	V	Y	PK	46.21	9.65	N/A	N/A	55.86	74.00	18.14
		11 000.82	V	Y	AV	35.60	9.65	N/A	N/A	45.25	54.00	8.75
	120 (5 600 MHz)	11 199.00	V	Y	PK	48.14	9.27	N/A	N/A	57.41	74.00	16.59
		11 199.22	V	Y	AV	37.06	9.27	N/A	N/A	46.33	54.00	7.67
	140 (5 700 MHz)	5 725.06	V	X	PK	61.97	3.12	N/A	N/A	65.09	68.20	3.11
		11 400.31	V	Y	PK	50.26	9.10	N/A	N/A	59.36	74.00	14.64
		11 399.22	V	Y	AV	38.67	9.10	N/A	N/A	47.77	54.00	6.23
U-NII 3	149 (5 745 MHz)	5 648.08	V	X	PK	51.40	3.21	N/A	N/A	54.61	68.20	13.59
		5 724.35	V	X	PK	79.38	3.13	N/A	N/A	82.51	120.72	38.21
		11 490.74	V	Y	PK	51.00	9.06	N/A	N/A	60.06	74.00	13.94
		11 490.72	V	Y	AV	40.24	9.06	N/A	N/A	49.30	54.00	4.70
	157 (5 785 MHz)	11 571.14	V	Y	PK	50.62	9.09	N/A	N/A	59.71	74.00	14.29
		11 570.62	V	Y	AV	39.30	9.09	N/A	N/A	48.39	54.00	5.61
	165 (5 825 MHz)	5 850.49	V	X	PK	59.76	3.68	N/A	N/A	63.44	121.08	57.64
		5 979.62	V	X	PK	57.53	4.20	N/A	N/A	61.73	68.20	6.47
		11 651.73	V	Y	PK	53.16	9.36	N/A	N/A	62.52	74.00	11.48
		11 650.76	V	Y	AV	40.02	9.36	N/A	N/A	49.38	54.00	4.62

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : TM3 (SISO ANT 1)

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	38 (5 190 MHz)	5 149.62	V	X	PK	60.58	1.79	N/A	N/A	62.37	74.00	11.63
		5 149.41	V	X	AV	48.97	1.79	N/A	N/A	50.76	54.00	3.24
		10 379.78	V	X	PK	42.97	8.00	N/A	N/A	50.97	68.20	17.23
	46 (5 230 MHz)	10 459.63	V	X	PK	43.04	8.11	N/A	N/A	51.15	68.20	17.05
U-NII 2A	54 (5 270 MHz)	10 540.36	V	X	PK	43.46	8.32	N/A	N/A	51.78	68.20	16.42
	62 (5 310 MHz)	5 350.06	V	X	PK	61.20	3.33	N/A	N/A	64.53	74.00	9.47
		5 350.15	V	X	AV	47.62	3.33	N/A	N/A	50.95	54.00	3.05
		10 619.57	V	X	PK	43.12	8.76	N/A	N/A	51.88	74.00	22.12
		10 619.89	V	X	AV	33.06	8.76	N/A	N/A	41.82	54.00	12.18
U-NII 2C	102 (5 510 MHz)	5 459.14	V	X	PK	53.06	3.43	N/A	N/A	56.49	74.00	17.51
		5 459.50	V	X	AV	42.97	3.43	N/A	N/A	46.40	54.00	7.60
		5 469.96	V	X	PK	61.62	3.43	N/A	N/A	65.05	68.20	3.15
		11 019.64	V	X	PK	43.84	9.60	N/A	N/A	53.44	74.00	20.56
		11 020.04	V	X	AV	33.69	9.60	N/A	N/A	43.29	54.00	10.71
	118 (5 590 MHz)	11 180.49	V	X	PK	48.01	9.24	N/A	N/A	57.25	74.00	16.75
		11 179.25	V	X	AV	36.78	9.24	N/A	N/A	46.02	54.00	7.98
	134 (5 670 MHz)	5 725.11	V	X	PK	60.73	3.12	N/A	N/A	63.85	68.20	4.35
		11 344.37	V	X	PK	49.38	9.12	N/A	N/A	58.50	74.00	15.50
U-NII 3	151 (5 755 MHz)	11 343.23	V	X	AV	37.31	9.12	N/A	N/A	46.43	54.00	7.57
		5 636.80	V	X	PK	51.98	3.22	N/A	N/A	55.20	68.20	13.00
		5 724.33	V	X	PK	76.03	3.13	N/A	N/A	79.16	120.67	41.51
		11 507.84	V	X	PK	49.08	9.05	N/A	N/A	58.13	74.00	15.87
	159 (5 795 MHz)	11 508.90	V	X	AV	38.10	9.05	N/A	N/A	47.15	54.00	6.85
		5 851.23	V	X	PK	59.59	3.69	N/A	N/A	63.28	119.40	56.12
		5 968.52	V	X	PK	58.48	4.16	N/A	N/A	62.64	68.20	5.56
		11 588.54	V	X	PK	47.11	9.15	N/A	N/A	56.26	74.00	17.74
		11 589.25	V	X	AV	37.39	9.15	N/A	N/A	46.54	54.00	7.46

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : TM3 (SISO ANT 2)

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	38 (5 190 MHz)	5 149.75	V	X	PK	62.78	1.79	N/A	N/A	64.57	74.00	9.43
		5 149.72	V	X	AV	49.30	1.79	N/A	N/A	51.09	54.00	2.91
		10 379.79	V	Y	PK	43.83	8.00	N/A	N/A	51.83	68.20	16.37
	46 (5 230 MHz)	10 460.12	V	Y	PK	43.47	8.11	N/A	N/A	51.58	68.20	16.62
U-NII 2A	54 (5 270 MHz)	10 539.52	V	Y	PK	43.10	8.32	N/A	N/A	51.42	68.20	16.78
	62 (5 310 MHz)	5 350.25	V	X	PK	63.17	3.33	N/A	N/A	66.50	74.00	7.50
		5 350.20	V	X	AV	47.65	3.33	N/A	N/A	50.98	54.00	3.02
		10 619.65	V	Y	PK	43.58	8.76	N/A	N/A	52.34	74.00	21.66
		10 620.03	V	Y	AV	32.54	8.76	N/A	N/A	41.30	54.00	12.70
U-NII 2C	102 (5 510 MHz)	5 458.98	V	X	PK	53.97	3.43	N/A	N/A	57.40	74.00	16.60
		5 459.68	V	X	AV	42.92	3.43	N/A	N/A	46.35	54.00	7.65
		5 465.32	V	X	PK	61.04	3.43	N/A	N/A	64.47	68.20	3.73
		11 019.65	V	Y	PK	43.67	9.60	N/A	N/A	53.27	74.00	20.73
		11 019.93	V	Y	AV	33.87	9.60	N/A	N/A	43.47	54.00	10.53
	118 (5 590 MHz)	11 179.04	V	Y	PK	47.15	9.24	N/A	N/A	56.39	74.00	17.61
		11 179.82	V	Y	AV	36.47	9.24	N/A	N/A	45.71	54.00	8.29
	134 (5 670 MHz)	5 726.24	V	X	PK	61.06	3.13	N/A	N/A	64.19	68.20	4.01
		11 343.81	V	Y	PK	47.33	9.12	N/A	N/A	56.45	74.00	17.55
		11 342.87	V	Y	AV	37.11	9.12	N/A	N/A	46.23	54.00	7.77
U-NII 3	151 (5 755 MHz)	5 641.93	V	X	PK	51.51	3.21	N/A	N/A	54.72	68.20	13.48
		5 723.48	V	X	PK	78.91	3.15	N/A	N/A	82.06	118.73	36.67
		11 507.13	V	Y	PK	48.80	9.06	N/A	N/A	57.86	74.00	16.14
		11 508.85	V	Y	AV	38.02	9.05	N/A	N/A	47.07	54.00	6.93
	159 (5 795 MHz)	5 851.53	V	X	PK	56.79	3.69	N/A	N/A	60.48	118.71	58.23
		5 940.68	V	X	PK	55.09	4.04	N/A	N/A	59.13	68.20	9.07
		11 590.37	V	Y	PK	47.79	9.16	N/A	N/A	56.95	74.00	17.05
		11 590.36	V	Y	AV	37.42	9.16	N/A	N/A	46.58	54.00	7.42

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : TM4 (SISO ANT 1)

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	42 (5 210 MHz)	5 143.92	V	X	PK	61.51	1.77	N/A	N/A	63.28	74.00	10.72
		5 149.72	V	X	AV	49.54	1.79	N/A	N/A	51.33	54.00	2.67
		10 419.89	V	X	PK	43.13	8.05	N/A	N/A	51.18	68.20	17.02
U-NII 2A	58 (5 290 MHz)	5 354.66	V	X	PK	58.76	3.34	N/A	N/A	62.10	74.00	11.90
		5 351.50	V	X	AV	47.76	3.33	N/A	N/A	51.09	54.00	2.91
		10 580.41	V	X	PK	42.70	8.52	N/A	N/A	51.22	68.20	16.98
U-NII 2C	106 (5 530 MHz)	5 455.03	V	X	PK	59.68	3.43	N/A	N/A	63.11	74.00	10.89
		5 456.70	V	X	AV	46.50	3.43	N/A	N/A	49.93	54.00	4.07
		5 463.99	V	X	PK	61.18	3.43	N/A	N/A	64.61	68.20	3.59
		11 059.79	V	X	PK	43.84	9.51	N/A	N/A	53.35	74.00	20.65
		11 059.86	V	X	AV	33.38	9.51	N/A	N/A	42.89	54.00	11.11
	122 (5 610 MHz)	5 732.52	V	X	PK	56.29	3.20	N/A	N/A	59.49	68.20	8.71
		11 220.13	V	X	PK	46.10	9.27	N/A	N/A	55.37	74.00	18.63
		11 219.55	V	X	AV	35.18	9.27	N/A	N/A	44.45	54.00	9.55
U-NII 3	155 (5 775 MHz)	5 642.05	V	X	PK	53.43	3.21	N/A	N/A	56.64	68.20	11.56
		5 680.53	V	X	PK	74.40	3.24	N/A	N/A	77.64	90.79	13.15
		5 851.31	V	X	PK	77.22	3.69	N/A	N/A	80.91	119.21	38.30
		5 929.48	V	X	PK	57.45	3.98	N/A	N/A	61.43	68.20	6.77
		11 549.15	V	X	PK	46.60	9.03	N/A	N/A	55.63	74.00	18.37
		11 550.09	V	X	AV	36.11	9.03	N/A	N/A	45.14	54.00	8.86

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : TM4 (SISO ANT 2)

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	42 (5 210 MHz)	5 135.33	V	X	PK	62.08	1.73	N/A	N/A	63.81	74.00	10.19
		5 147.02	V	X	AV	49.81	1.78	N/A	N/A	51.59	54.00	2.41
		10 420.06	V	Y	PK	42.92	8.05	N/A	N/A	50.97	68.20	17.23
U-NII 2A	58 (5 290 MHz)	5 362.56	V	X	PK	60.46	3.36	N/A	N/A	63.82	74.00	10.18
		5 351.85	V	X	AV	46.74	3.33	N/A	N/A	50.07	54.00	3.93
		10 580.45	V	Y	PK	43.52	8.52	N/A	N/A	52.04	68.20	16.16
U-NII 2C	106 (5 530 MHz)	5 455.16	V	X	PK	60.01	3.43	N/A	N/A	63.44	74.00	10.56
		5 456.54	V	X	AV	47.67	3.43	N/A	N/A	51.10	54.00	2.90
		5 464.22	V	X	PK	60.32	3.43	N/A	N/A	63.75	68.20	4.45
		11 059.78	V	Y	PK	44.21	9.51	N/A	N/A	53.72	74.00	20.28
		11 060.05	V	Y	AV	34.25	9.51	N/A	N/A	43.76	54.00	10.24
	122 (5 610 MHz)	5 734.30	V	X	PK	55.25	3.21	N/A	N/A	58.46	68.20	9.74
		11 219.56	V	Y	PK	45.02	9.27	N/A	N/A	54.29	74.00	19.71
		11 219.74	V	Y	AV	34.74	9.27	N/A	N/A	44.01	54.00	9.99
U-NII 3	155 (5 775 MHz)	5 642.08	V	X	PK	55.79	3.21	N/A	N/A	59.00	68.20	9.20
		5 680.63	V	X	PK	75.40	3.24	N/A	N/A	78.64	90.87	12.23
		5 861.12	V	X	PK	76.52	3.74	N/A	N/A	80.26	109.09	28.83
		5 927.64	V	X	PK	55.40	3.97	N/A	N/A	59.37	68.20	8.83
		11 550.28	V	Y	PK	47.05	9.03	N/A	N/A	56.08	74.00	17.92
		11 549.91	V	Y	AV	36.87	9.03	N/A	N/A	45.90	54.00	8.10

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : TM5 (MIMO)

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	36 (5 180 MHz)	5 149.83	V	X	PK	63.96	1.79	N/A	N/A	65.75	74.00	8.25
		5 149.71	V	X	AV	48.68	1.79	N/A	N/A	50.47	54.00	3.53
		10 360.79	V	X	PK	45.68	7.98	N/A	N/A	53.66	68.20	14.54
	40 (5 200 MHz)	10 400.91	V	X	PK	45.00	8.03	N/A	N/A	53.03	68.20	15.17
	48 (5 240 MHz)	10 479.38	V	X	PK	46.16	8.18	N/A	N/A	54.34	68.20	13.86
U-NII 2A	52 (5260 MHz)	10 521.05	V	X	PK	46.21	8.28	N/A	N/A	54.49	68.20	13.71
	60 (5 300 MHz)	10 597.28	V	X	PK	45.32	8.63	N/A	N/A	53.95	68.20	14.25
		10 601.00	V	X	AV	34.80	8.65	N/A	N/A	43.45	54.00	10.55
	64 (5 320 MHz)	5 350.76	V	X	PK	62.39	3.33	N/A	N/A	65.72	74.00	8.28
		5 350.31	V	X	AV	47.86	3.33	N/A	N/A	51.19	54.00	2.81
		10 641.80	V	X	PK	44.91	8.89	N/A	N/A	53.80	74.00	20.20
		10 640.86	V	X	AV	33.68	8.89	N/A	N/A	42.57	54.00	11.43
U-NII 2C	100 (5 500 MHz)	5 459.85	V	X	PK	57.08	3.43	N/A	N/A	60.51	74.00	13.49
		5 459.97	V	X	AV	46.66	3.43	N/A	N/A	50.09	54.00	3.91
		5 469.86	V	X	PK	60.43	3.43	N/A	N/A	63.86	68.20	4.34
		11 000.06	V	X	PK	46.18	9.65	N/A	N/A	55.83	74.00	18.17
		11 001.28	V	X	AV	35.29	9.65	N/A	N/A	44.94	54.00	9.06
	120 (5 600 MHz)	11 200.55	V	X	PK	49.53	9.27	N/A	N/A	58.80	74.00	15.20
		11 200.48	V	X	AV	38.87	9.27	N/A	N/A	48.14	54.00	5.86
	140 (5 700 MHz)	5 725.14	V	X	PK	62.56	3.12	N/A	N/A	65.68	68.20	2.52
		11 400.99	V	X	PK	49.84	9.10	N/A	N/A	58.94	74.00	15.06
		11 400.63	V	X	AV	39.19	9.10	N/A	N/A	48.29	54.00	5.71
U-NII 3	149 (5 745 MHz)	5 639.93	V	X	PK	53.57	3.22	N/A	N/A	56.79	68.20	11.41
		5 723.60	V	X	PK	84.06	3.15	N/A	N/A	87.21	119.01	31.80
		11 490.34	V	X	PK	53.16	9.06	N/A	N/A	62.22	74.00	11.78
		11 490.40	V	X	AV	42.47	9.06	N/A	N/A	51.53	54.00	2.47
	157 (5 785 MHz)	11 571.06	V	X	PK	53.59	9.09	N/A	N/A	62.68	74.00	11.32
		11 571.06	V	X	AV	42.57	9.09	N/A	N/A	51.66	54.00	2.34
	165 (5 825 MHz)	5 851.31	V	X	PK	73.84	3.69	N/A	N/A	77.53	119.21	41.68
		5 988.56	V	X	PK	59.64	4.23	N/A	N/A	63.87	68.20	4.33
		11 651.11	V	X	PK	53.43	9.36	N/A	N/A	62.79	74.00	11.21
		11 651.18	V	X	AV	42.37	9.36	N/A	N/A	51.73	54.00	2.27

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : TM6 (MIMO)

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	38 (5 190 MHz)	5 148.63	V	X	PK	64.33	1.78	N/A	N/A	66.11	74.00	7.89
		5 148.91	V	X	AV	48.62	1.79	N/A	N/A	50.41	54.00	3.59
		10 380.17	V	X	PK	43.28	8.00	N/A	N/A	51.28	68.20	16.92
	46 (5 230 MHz)	10 459.83	V	X	PK	44.54	8.11	N/A	N/A	52.65	68.20	15.55
U-NII 2A	54 (5 270 MHz)	10 539.94	V	X	PK	44.37	8.32	N/A	N/A	52.69	68.20	15.51
	62 (5 310 MHz)	5 351.40	V	X	PK	60.98	3.33	N/A	N/A	64.31	74.00	9.69
		5 350.35	V	X	AV	48.43	3.33	N/A	N/A	51.76	54.00	2.24
		10 619.93	V	X	PK	42.81	8.76	N/A	N/A	51.57	74.00	22.43
		10 619.56	V	X	AV	32.38	8.76	N/A	N/A	41.14	54.00	12.86
U-NII 2C	102 (5 510 MHz)	5 458.71	V	X	PK	54.14	3.43	N/A	N/A	57.57	74.00	16.43
		5 459.64	V	X	AV	43.44	3.43	N/A	N/A	46.87	54.00	7.13
		5 466.37	V	X	PK	61.35	3.43	N/A	N/A	64.78	68.20	3.42
		11 019.87	V	X	PK	43.99	9.60	N/A	N/A	53.59	74.00	20.41
		11 020.04	V	X	AV	33.16	9.60	N/A	N/A	42.76	54.00	11.24
	118 (5 590 MHz)	11 181.23	V	X	PK	48.42	9.24	N/A	N/A	57.66	74.00	16.34
		11 181.01	V	X	AV	37.86	9.24	N/A	N/A	47.10	54.00	6.90
	134 (5 670 MHz)	5 727.74	V	X	PK	61.92	3.15	N/A	N/A	65.07	68.20	3.13
		11 341.03	V	X	PK	46.76	9.12	N/A	N/A	55.88	74.00	18.12
		11 341.66	V	X	AV	35.90	9.12	N/A	N/A	45.02	54.00	8.98
U-NII 3	151 (5 755 MHz)	5 640.35	V	X	PK	53.68	3.22	N/A	N/A	56.90	68.20	11.30
		5 720.90	V	X	PK	88.04	3.19	N/A	N/A	91.23	112.85	21.62
		11 508.16	V	X	PK	51.08	9.05	N/A	N/A	60.13	74.00	13.87
		11 508.66	V	X	AV	39.39	9.05	N/A	N/A	48.44	54.00	5.56
	159 (5 795 MHz)	5 853.18	V	X	PK	67.08	3.70	N/A	N/A	70.78	114.95	44.17
		5 952.70	V	X	PK	57.68	4.10	N/A	N/A	61.78	68.20	6.42
		11 587.72	V	X	PK	51.15	9.15	N/A	N/A	60.30	74.00	13.70
		11 588.84	V	X	AV	39.47	9.15	N/A	N/A	48.62	54.00	5.38

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : TM7 (MIMO)

Band	Tested Channel	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 1	42 (5 210 MHz)	5 148.26	V	X	PK	60.42	1.78	N/A	N/A	62.20	74.00	11.80
		5 147.98	V	X	AV	48.74	1.78	N/A	N/A	50.52	54.00	3.48
		10 419.61	V	X	PK	43.10	8.05	N/A	N/A	51.15	68.20	17.05
U-NII 2A	58 (5 290 MHz)	5 358.32	V	X	PK	60.25	3.35	N/A	N/A	63.60	74.00	10.40
		5 350.41	V	X	AV	48.53	3.33	N/A	N/A	51.86	54.00	2.14
		10 579.59	V	X	PK	42.77	8.52	N/A	N/A	51.29	68.20	16.91
U-NII 2C	106 (5 530 MHz)	5 459.18	V	X	PK	58.80	3.43	N/A	N/A	62.23	74.00	11.77
		5 452.54	V	X	AV	48.21	3.43	N/A	N/A	51.64	54.00	2.36
		5 462.55	V	X	PK	60.43	3.43	N/A	N/A	63.86	68.20	4.34
		11 060.14	V	X	PK	43.19	9.51	N/A	N/A	52.70	74.00	21.30
		11 059.91	V	X	AV	33.63	9.51	N/A	N/A	43.14	54.00	10.86
	122 (5 610 MHz)	5 726.04	V	X	PK	62.27	3.13	N/A	N/A	65.40	68.20	2.80
		11 219.70	V	X	PK	46.42	9.27	N/A	N/A	55.69	74.00	18.31
		11 220.28	V	X	AV	35.98	9.27	N/A	N/A	45.25	54.00	8.75
U-NII 3	155 (5 775 MHz)	5 645.00	V	X	PK	60.17	3.21	N/A	N/A	63.38	68.20	4.82
		5 678.75	V	X	PK	78.64	3.23	N/A	N/A	81.87	89.48	7.61
		5 863.71	V	X	PK	77.95	3.68	N/A	N/A	81.63	108.36	26.73
		5 953.17	V	X	PK	57.03	4.10	N/A	N/A	61.13	68.20	7.07
		11 550.17	V	X	PK	46.39	9.03	N/A	N/A	55.42	74.00	18.58
		11 551.10	V	X	AV	36.07	9.03	N/A	N/A	45.10	54.00	8.90

8.6 AC Conducted Emissions

■ Test Requirements and limit, §15.207

For 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 μ H/50 ohms line impedance stabilization network (LISN).

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

Note 1: See next pages for actual measured spectrum plots and data for worst case result.

AC Line Conducted Emissions (Graph)

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

Results of Conducted Emission

DTNC

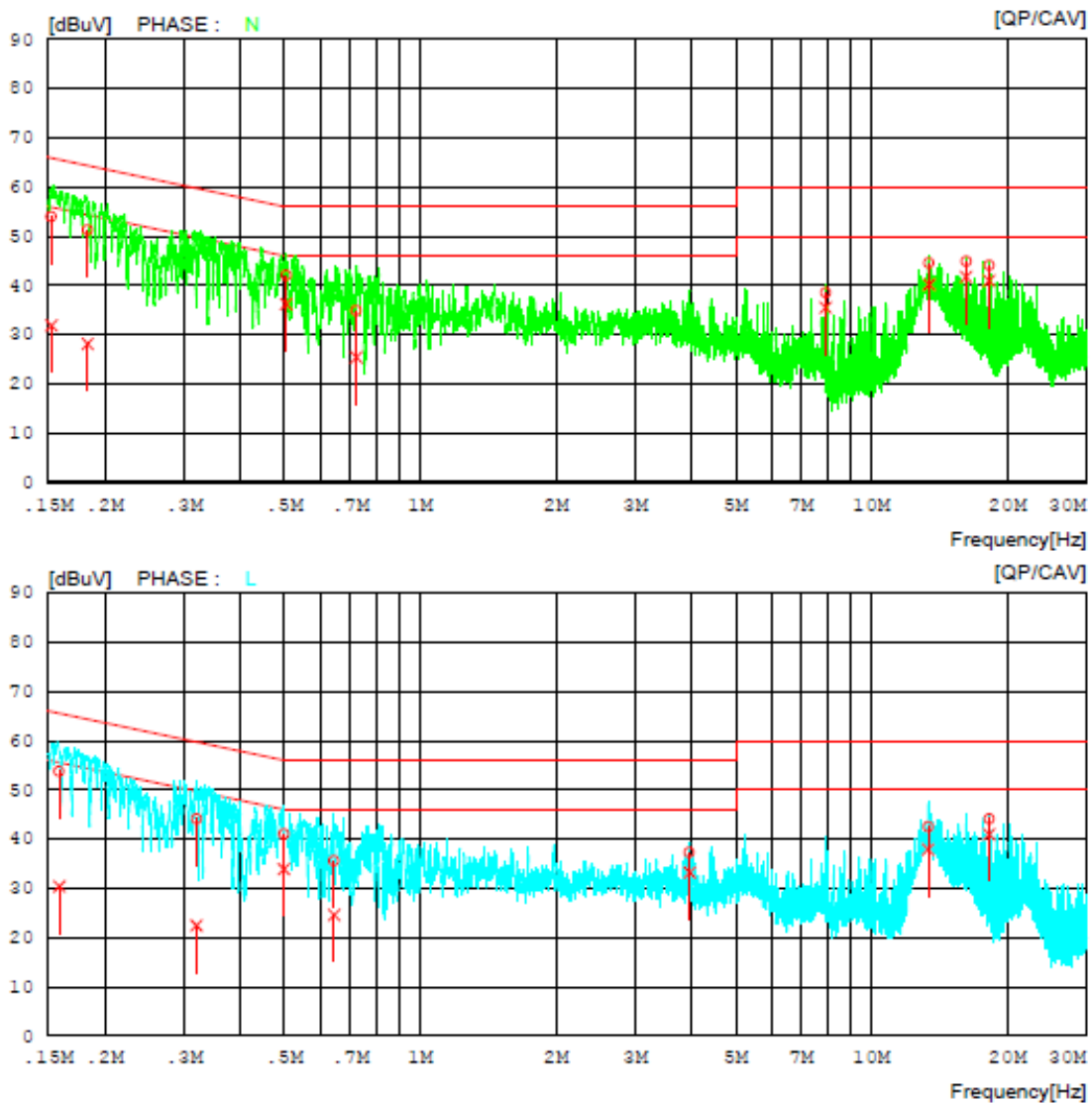
Date 2020-10-22

Order No.
Model No. AM114D
Serial No.
Test Condition 5.1G

Reference No.
Power Supply 120 V, 60 Hz
Temp/Humi. 23 'C / 40 %
Operator S. J. Woo

Memo

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



AC Line Conducted Emissions (Data List)

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

Results of Conducted Emission

DTNC

Date 2020-10-22

Order No.
Model No. AM114D
Serial No.
Test Condition 5.1G

Reference No.
Power Supply 120 V, 60 Hz
Temp/Humi. 23 'C / 40 %
Operator S. J. Woo

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	0.15225	44.03	21.94	10.00	54.03	31.94	65.88	55.88	11.85	23.94	N
2	0.18316	41.31	18.12	10.00	51.31	28.12	64.34	54.34	13.03	26.22	N
3	0.50449	32.06	26.18	10.04	42.10	36.22	56.00	46.00	13.90	9.78	N
4	0.72200	24.80	15.35	10.02	34.82	25.38	56.00	46.00	21.17	20.62	N
5	7.92236	28.27	25.17	10.30	38.57	35.47	60.00	50.00	21.43	14.53	N
6	13.42000	34.08	29.71	10.45	44.53	40.16	60.00	50.00	15.47	9.84	N
7	16.22840	34.43	31.23	10.53	44.96	41.76	60.00	50.00	15.04	8.24	N
8	18.24328	33.59	30.39	10.56	44.15	40.95	60.00	50.00	15.85	9.05	N
9	0.15855	43.68	20.35	10.00	53.68	30.35	65.54	55.54	11.86	25.19	L
10	0.31953	33.98	12.35	10.02	44.00	22.37	59.72	49.72	15.72	27.35	L
11	0.49860	30.97	23.83	10.04	41.01	33.87	56.02	46.02	15.01	12.15	L
12	0.64405	25.52	14.51	10.03	35.55	24.54	56.00	46.00	20.45	21.46	L
13	3.95376	27.12	23.09	10.11	37.23	33.20	56.00	46.00	18.77	12.80	L
14	13.35532	31.99	27.42	10.45	42.44	37.87	60.00	50.00	17.56	12.13	L
15	18.24392	33.61	30.46	10.50	44.11	40.96	60.00	50.00	15.89	9.04	L

AC Line Conducted Emissions (Graph)

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

Results of Conducted Emission

DTNC

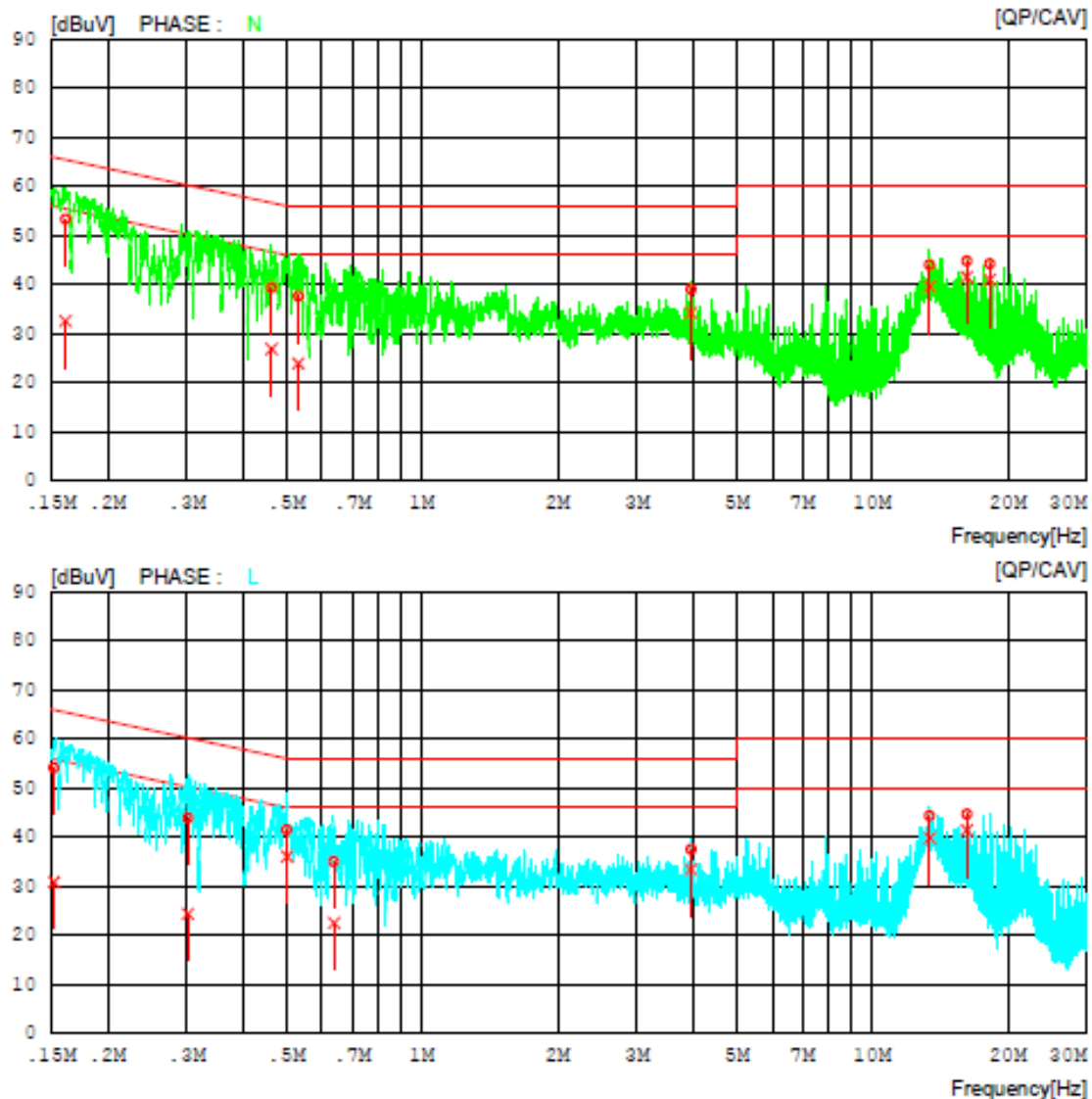
Date 2020-10-22

Order No.
Model No. AM114D
Serial No.
Test Condition 5.3G

Reference No.
Power Supply 120 V, 60 Hz
Temp/Humi. 23 °C / 40 %
Operator S. J. Woo

Memo

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



AC Line Conducted Emissions (Data List)

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

Results of Conducted Emission

DTNC

Date 2020-10-22

Order No.
Model No. AM114D
Serial No.
Test Condition 5.3G

Reference No.
Power Supply 120 V, 60 Hz
Temp/Humi. 23 °C / 40 %
Operator S. J. Woo

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	0.16150	43.31	22.55	10.00	53.31	32.55	65.39	55.39	12.08	22.84	N
2	0.46299	29.30	16.84	10.04	39.34	26.88	56.64	46.64	17.30	19.76	N
3	0.53073	27.60	13.93	10.04	37.64	23.97	56.00	46.00	18.36	22.03	N
4	3.95480	28.87	24.15	10.11	38.98	34.26	56.00	46.00	17.02	11.74	N
5	13.41782	33.49	29.15	10.45	43.94	39.60	60.00	50.00	16.06	10.40	N
6	16.22769	34.29	30.98	10.53	44.82	41.51	60.00	50.00	15.18	8.49	N
7	18.24328	33.63	30.43	10.56	44.19	40.99	60.00	50.00	15.81	9.01	N
8	0.15217	44.08	20.83	10.00	54.08	30.83	65.88	55.88	11.80	25.05	L
9	0.30161	33.79	14.33	10.01	43.80	24.34	60.20	50.20	16.40	25.86	L
10	0.50110	31.41	25.98	10.04	41.45	36.02	56.00	46.00	14.55	9.98	L
11	0.63739	24.98	12.51	10.03	35.01	22.54	56.00	46.00	20.99	23.46	L
12	3.95504	27.39	23.26	10.11	37.50	33.37	56.00	46.00	18.50	12.63	L
13	13.41801	33.80	29.35	10.45	44.25	39.80	60.00	50.00	15.75	10.20	L
14	16.22712	34.13	30.86	10.51	44.64	41.37	60.00	50.00	15.36	8.63	L

AC Line Conducted Emissions (Graph)

Test Mode: U-NII 2C & TM 7 & MIMO & 5 610 MHz

Results of Conducted Emission

DTNC

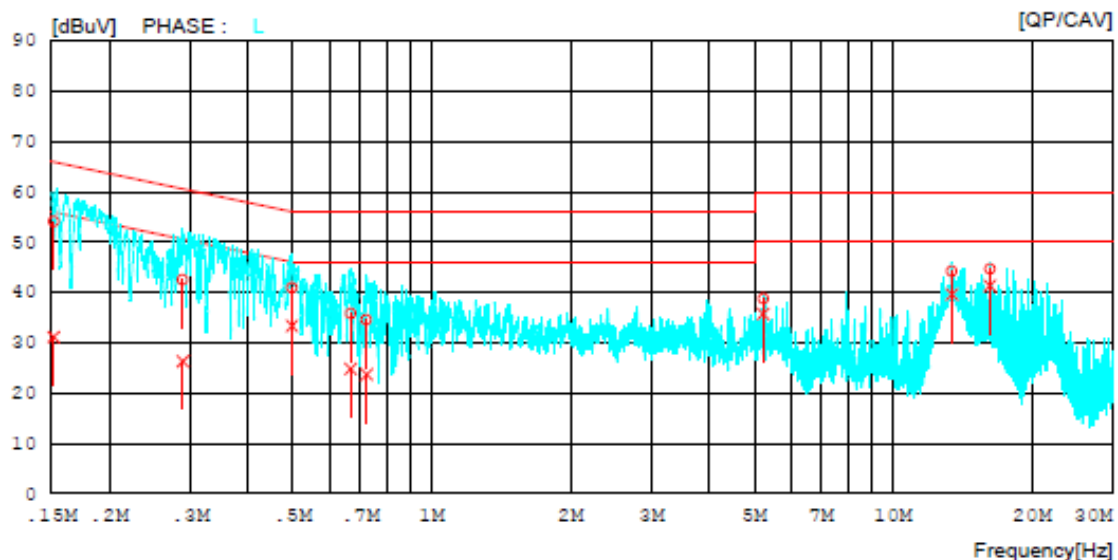
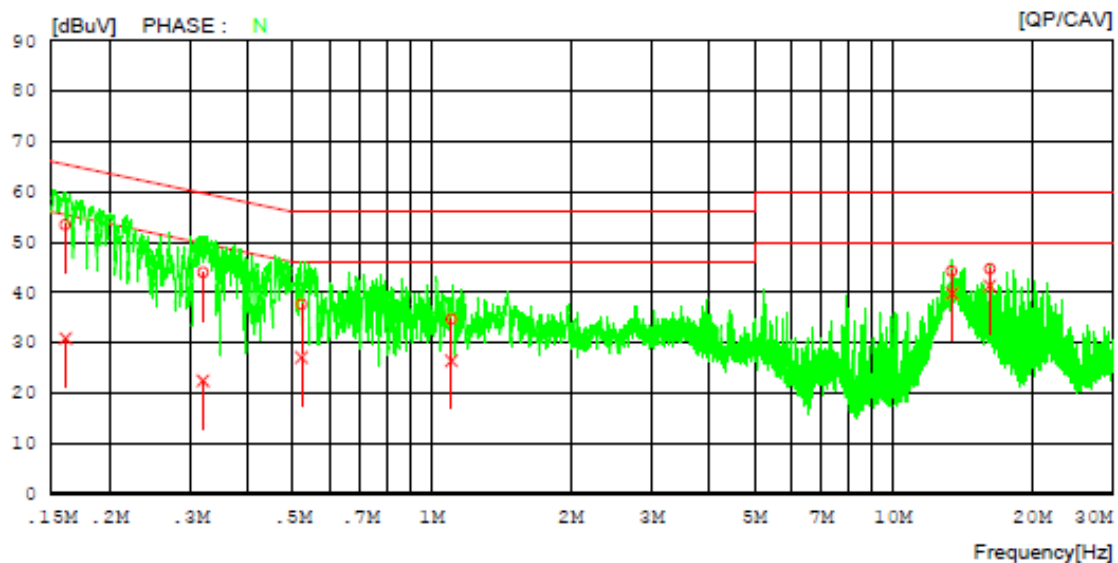
Date 2020-10-22

Order No.
Model No. AM114D
Serial No.
Test Condition 5.5G

Reference No.
Power Supply 120 V, 60 Hz
Temp/Humi. 23 °C / 40 %
Operator S. J. Woo

Memo

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



AC Line Conducted Emissions (Data List)

Test Mode: U-NII 2C & TM 7 & MIMO & 5 610 MHz

Results of Conducted Emission

DTNC

Date 2020-10-22

Order No.
Model No. AM114D
Serial No.
Test Condition 5.5G

Reference No.
Power Supply 120 V, 60 Hz
Temp/Humi. 23 °C / 40 %
Operator S. J. Woo

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	0.16076	43.46	20.88	10.00	53.46	30.88	65.42	55.42	11.96	24.54	N
2	0.31940	33.94	12.44	10.02	43.96	22.46	59.72	49.72	15.76	27.26	N
3	0.52239	27.61	17.10	10.04	37.65	27.14	56.00	46.00	18.35	18.86	N
4	1.10321	24.64	16.39	10.03	34.67	26.42	56.00	46.00	21.33	19.58	N
5	13.41974	33.80	29.39	10.45	44.25	39.84	60.00	50.00	15.75	10.16	N
6	16.22744	34.09	30.81	10.53	44.62	41.34	60.00	50.00	15.38	8.66	N
7	0.15161	44.03	21.10	10.00	54.03	31.10	65.91	55.91	11.88	24.81	L
8	0.28887	32.46	16.20	10.01	42.47	26.21	60.56	50.56	18.09	24.35	L
9	0.49783	30.84	23.28	10.04	40.88	33.32	56.04	46.04	15.16	12.72	L
10	0.66715	25.79	14.79	10.03	35.82	24.82	56.00	46.00	20.18	21.18	L
11	0.72251	24.49	13.61	10.03	34.52	23.64	56.00	46.00	21.48	22.36	L
12	5.23628	28.59	25.59	10.14	38.73	35.73	60.00	50.00	21.27	14.27	L
13	13.41910	33.72	29.08	10.45	44.17	39.53	60.00	50.00	15.83	10.47	L
14	16.22872	34.11	30.72	10.51	44.62	41.23	60.00	50.00	15.38	8.77	L

AC Line Conducted Emissions (Graph)

Test Mode: U-NII 3 & TM 4 & MIMO & 5 825 MHz

Results of Conducted Emission

DTNC

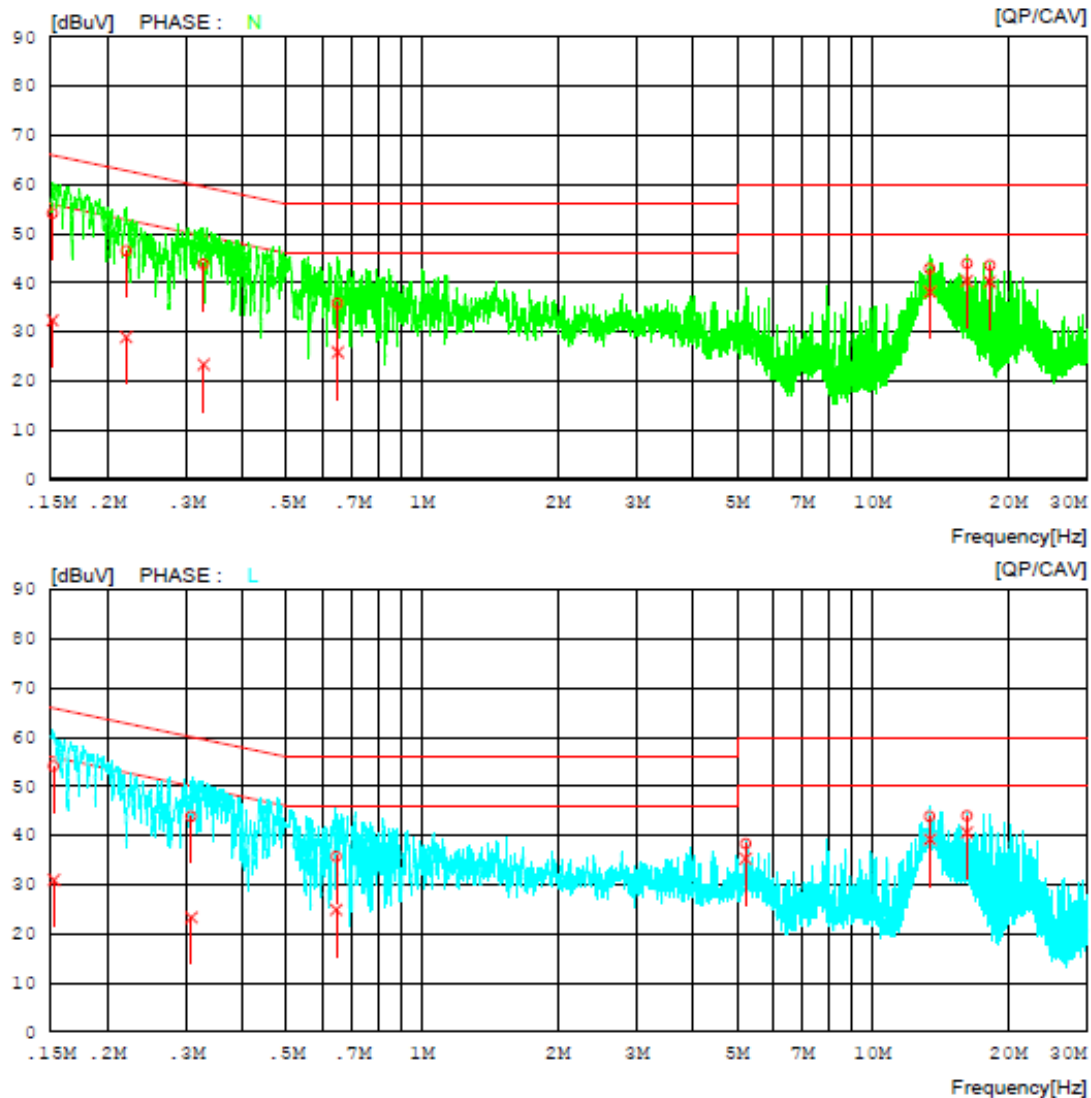
Date 2020-10-22

Order No.
Model No. AM114D
Serial No.
Test Condition 5.7G

Reference No.
Power Supply 120 V, 60 Hz
Temp/Humi. 23 °C / 40 %
Operator S. J. Woo

Memo

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



AC Line Conducted Emissions (Data List)

Test Mode: U-NII 3 & TM 4 & MIMO & 5 825 MHz

Results of Conducted Emission

DTNC

Date 2020-10-22

Order No.
Model No. AM114D
Serial No.
Test Condition 5.7G

Reference No.
Power Supply 120 V, 60 Hz
Temp/Humi. 23 °C / 40 %
Operator S. J. Woo

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	0.15130	44.09	22.34	10.00	54.09	32.34	65.93	55.93	11.84	23.59	N
2	0.22037	36.50	18.91	10.00	46.50	28.91	62.81	52.81	16.31	23.90	N
3	0.32738	33.69	13.31	10.02	43.71	23.33	59.52	49.52	15.81	26.19	N
4	0.64989	25.83	15.81	10.03	35.86	25.84	56.00	46.00	20.14	20.16	N
5	13.42160	32.37	27.70	10.45	42.82	38.15	60.00	50.00	17.18	11.85	N
6	16.22712	33.39	29.91	10.53	43.92	40.44	60.00	50.00	16.08	9.56	N
7	18.24296	32.99	29.66	10.56	43.55	40.22	60.00	50.00	16.45	9.78	N
8	0.15221	44.05	20.91	10.00	54.05	30.91	65.88	55.88	11.83	24.97	L
9	0.30756	33.84	13.24	10.01	43.85	23.25	60.04	50.04	16.19	26.79	L
10	0.64500	25.61	14.81	10.03	35.64	24.84	56.00	46.00	20.36	21.16	L
11	5.23596	28.06	25.12	10.14	38.20	35.26	60.00	50.00	21.80	14.74	L
12	13.41968	33.35	28.73	10.45	43.80	39.18	60.00	50.00	16.20	10.82	L
13	16.22712	33.46	30.05	10.51	43.97	40.56	60.00	50.00	16.03	9.44	L

9. LIST OF TEST EQUIPMENT

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next.Cal.Date (yy/mm/dd)	S/N
Spectrum Analyzer	Agilent Technologies	N9020A	20/02/26	21/02/26	MY46471251
Spectrum Analyzer	Agilent Technologies	N9020A	19/12/16	20/12/16	MY48011700
Spectrum Analyzer	Agilent Technologies	N9020A	19/12/16	20/12/16	MY48010133
Spectrum Analyzer	Agilent Technologies	N9030A	19/12/16	20/12/16	MY53310140
DC Power Supply	Agilent Technologies	66332A	19/12/16	20/12/16	US37476998
Multimeter	FLUKE	17B	19/12/16	20/12/16	26030065WS
Signal Generator	Rohde Schwarz	SMBV100A	19/12/16	20/12/16	255571
Signal Generator	ANRITSU	MG3695C	19/12/16	20/12/16	173501
Thermohygrometer	BODYCOM	BJ5478	19/12/18	20/12/18	120612-1
Thermohygrometer	BODYCOM	BJ5478	19/12/18	20/12/18	120612-2
Thermohygrometer	BODYCOM	BJ5478	20/07/01	21/07/01	N/A
HYGROMETER	TESTO	608-H1	20/01/21	21/01/21	34862883
Loop Antenna	Schwarzbeck	FMZB1513	20/02/19	22/02/19	1513-128
BILOG ANTENNA	Schwarzbeck	VULB 9160	19/04/23	21/04/23	9160-3362
Horn Antenna	ETS-Lindgren	3115	20/01/30	21/01/30	6419
Horn Antenna	A.H.Systems Inc.	SAS-574	20/06/24	21/06/24	155
PreAmplifier	tsj	MLA-0118-B01-40	19/12/16	20/12/16	1852267
PreAmplifier	tsj	MLA-1840-J02-45	20/06/24	21/06/24	16966-10728
PreAmplifier	H.P	8447D	19/12/16	20/12/16	2944A07774
High Pass Filter	Wainwright Instruments	WHKX12-935-1000-15000-40SS	20/06/24	21/06/24	8
High Pass Filter	Wainwright Instruments	WHKX10-2838-3300-18000-60SS	20/06/24	21/06/24	1
High Pass Filter	Wainwright Instruments	WHNX8.0/26.5-6SS	20/06/24	21/06/24	3
Attenuator	Hefei Shunze	SS5T2.92-10-40	20/06/24	21/06/24	16012202
Attenuator	SRTechnology	F01-B0606-01	20/06/24	21/06/24	13092403
Attenuator	Aeroflex/Weinschel	20515	20/06/24	21/06/24	Y2370
Attenuator	SMAJK	SMAJK-2-3	20/06/24	21/06/24	2
Attenuator	SMAJK	SMAJK-50-10	20/06/24	21/06/24	15081903
Power Meter & Wide Bandwidth Sensor	Anritsu	ML2495A MA2490A	20/06/24	21/06/24	1306007 1249001
EMI Test Receiver	ROHDE&SCHWARZ	ESU	20/01/20	21/01/20	100538
PULSE LIMITER	Rohde Schwarz	ESH3-Z2	20/08/25	21/08/25	101333
LISN	SCHWARZBECK	NSLK 8128 RC	19/11/04 20/10/23	20/11/04 21/10/23	8128 RC-387
Cable	Junkosha	MWX241	20/01/13	21/01/13	G-04
Cable	Junkosha	MWX241	20/01/13	21/01/13	G-07
Cable	DT&C	Cable	20/01/13	21/01/13	G-13
Cable	DT&C	Cable	20/01/13	21/01/13	G-14
Cable	HUBER+SUHNER	SUCOFLEX 104	20/01/13	21/01/13	G-15
Cable	Radiall	TESTPRO3	20/01/16	21/01/16	M-01
Cable	Junkosha	MWX315	20/01/16	21/01/16	M-05
Cable	Junkosha	MWX221	20/01/16	21/01/16	M-06
Cable	Radiall	TESTPRO3	20/01/16	21/01/16	RF-92
Cable	DT&C	Cable	20/01/16	21/01/16	RF-82

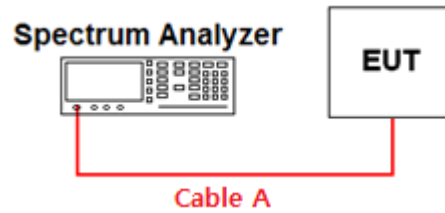
Note 1: The measurement antennas were calibrated in accordance to the requirements of ANSI C63.5-2017

Note 2: The cable is not a regular calibration item, so it has been calibrated by DT & C itself

APPENDIX I

Conducted Test set up Diagram

▪ Conducted Measurement



APPENDIX II

Duty Cycle Information

■ Test Procedure

Duty Cycle [$X = \text{On Time} / (\text{On} + \text{Off time})$] 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.

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

■ Test Results:

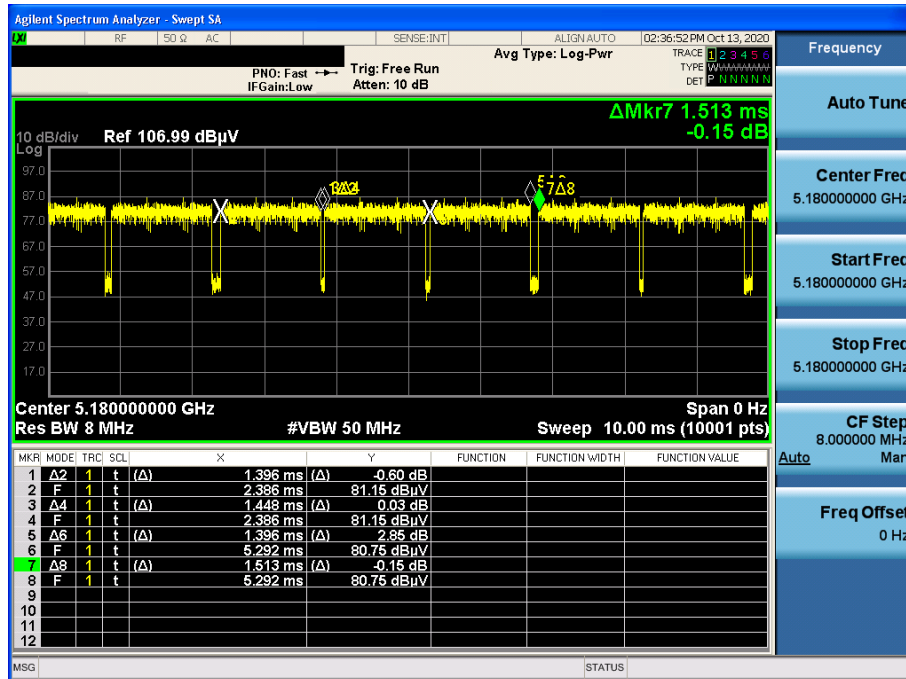
Mode	Data Rate	Tested Frequency [MHz]	Maximum Achievable Duty Cycle ($x = \text{On} / (\text{On} + \text{Off})$)			Duty Cycle Correction Factor [dB]	50/ T [kHz]	1/ T [kHz]
			On Time [ms]	(On+Off) Time [ms]	x			
TM 1	6Mbps	5 180	1.396	1.513	0.922 7	N/A	35.82	0.72
TM 2	MCS 0	5 180	1.308	1.435	0.911 5	N/A	38.23	0.76
TM 3	MCS 0	5 190	0.649	0.755	0.859 5	N/A	77.10	1.54
TM 4	MCS 0	5 210	0.324	0.440	0.736 2	N/A	154.32	3.09
TM 5	MCS 8	5 180	0.676	0.793	0.852 5	N/A	73.96	1.48
TM 6	MCS 8	5 190	0.348	0.470	0.740 9	N/A	143.55	2.87
TM 7	MCS 0	5 210	0.188	0.290	0.649 0	N/A	265.67	5.31

Note : The duty cycle is not constant.

■ Test Plot:

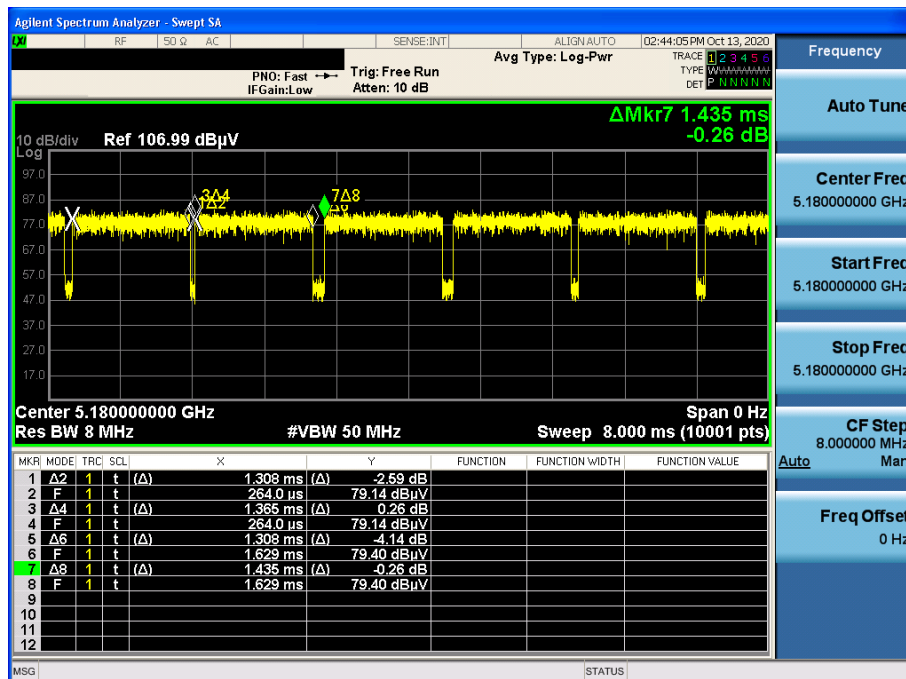
Duty Cycle

Test Mode: TM 1 & Ch.36



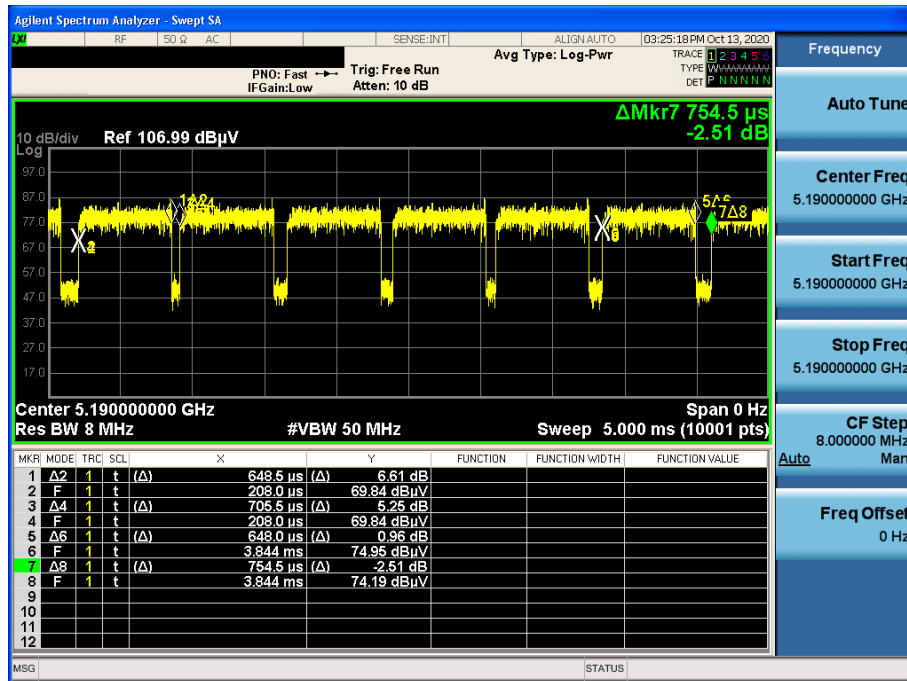
Duty Cycle

Test Mode: TM 2 & Ch.36



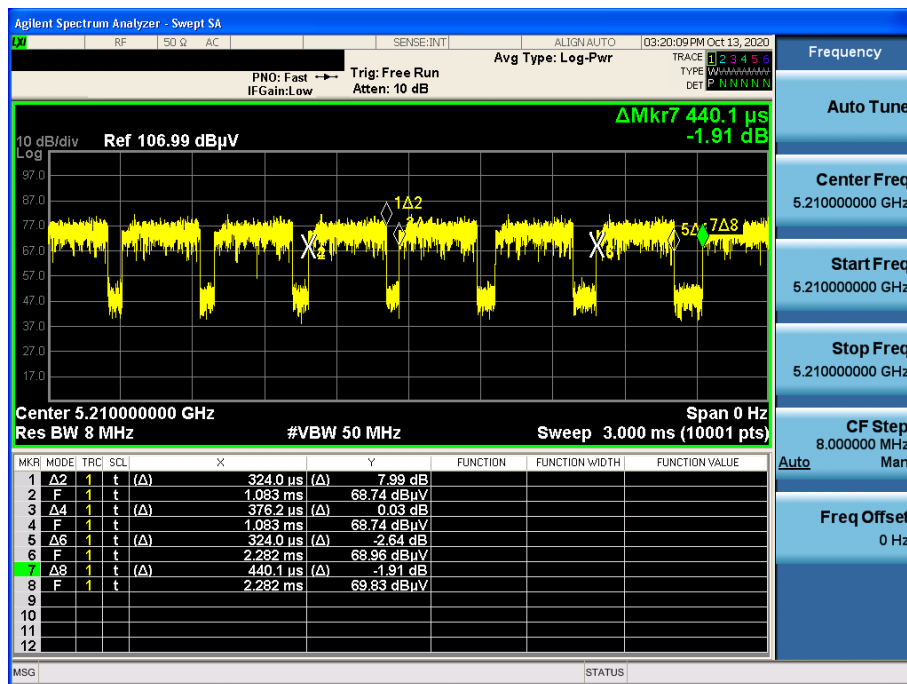
Duty Cycle

Test Mode: TM 3 & Ch.38



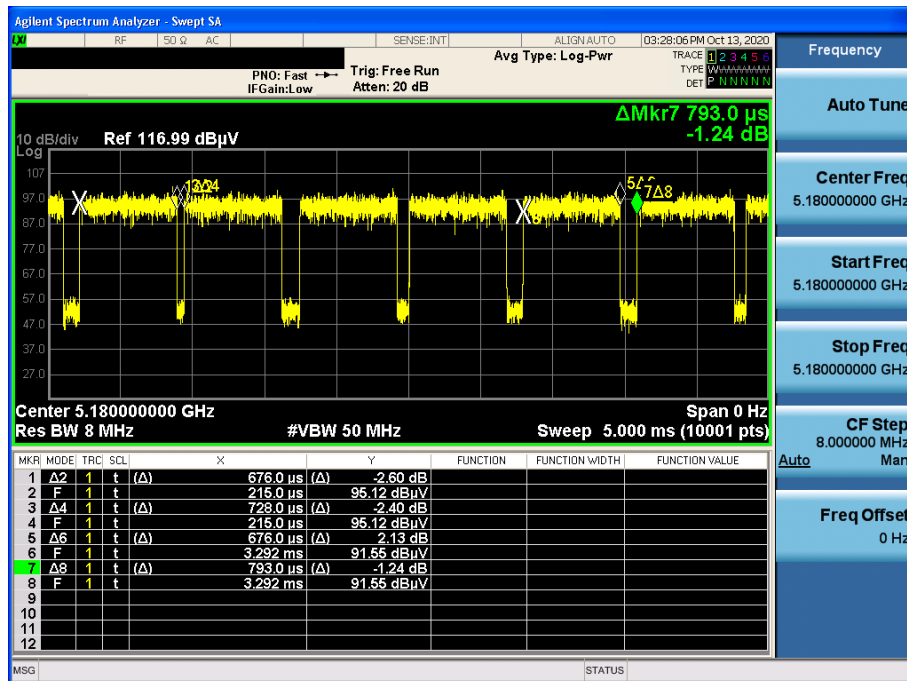
Duty Cycle

Test Mode: TM 4 & Ch.42



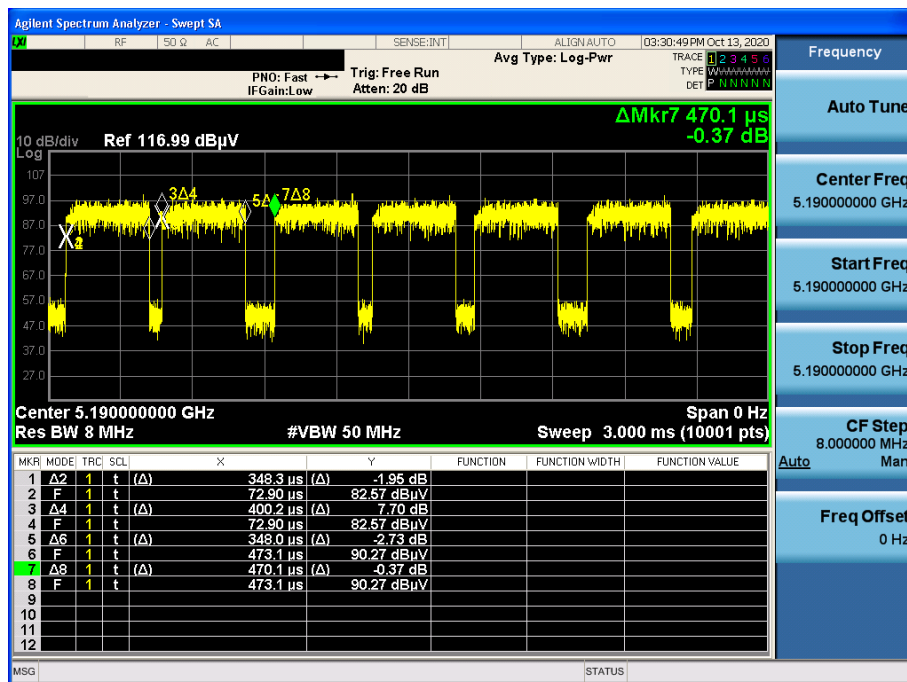
Duty Cycle

Test Mode: TM 5 & Ch.36



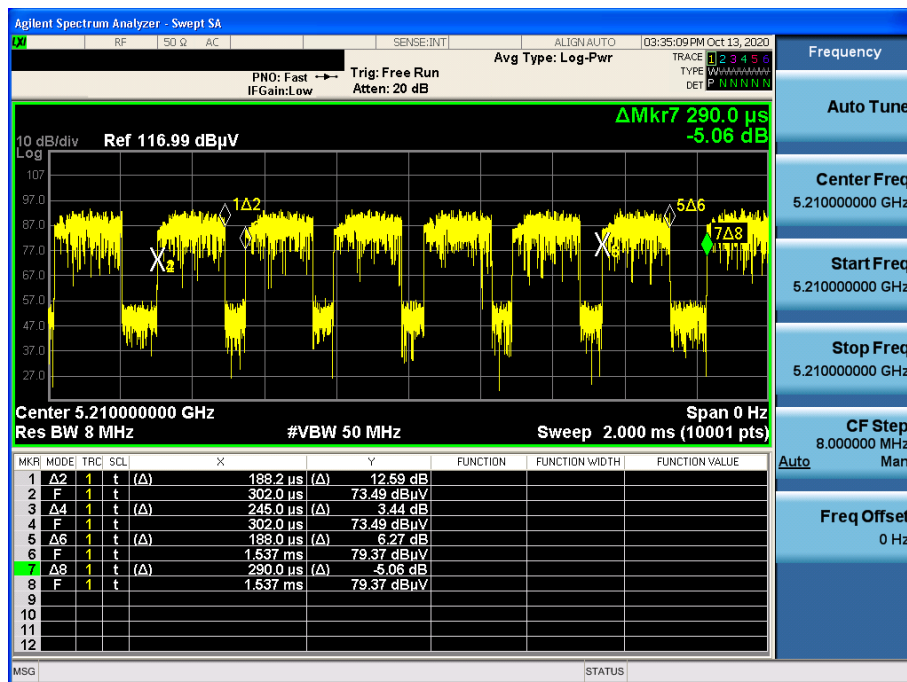
Duty Cycle

Test Mode: TM 6 & Ch.38



Duty Cycle

Test Mode: TM 7 & Ch.42

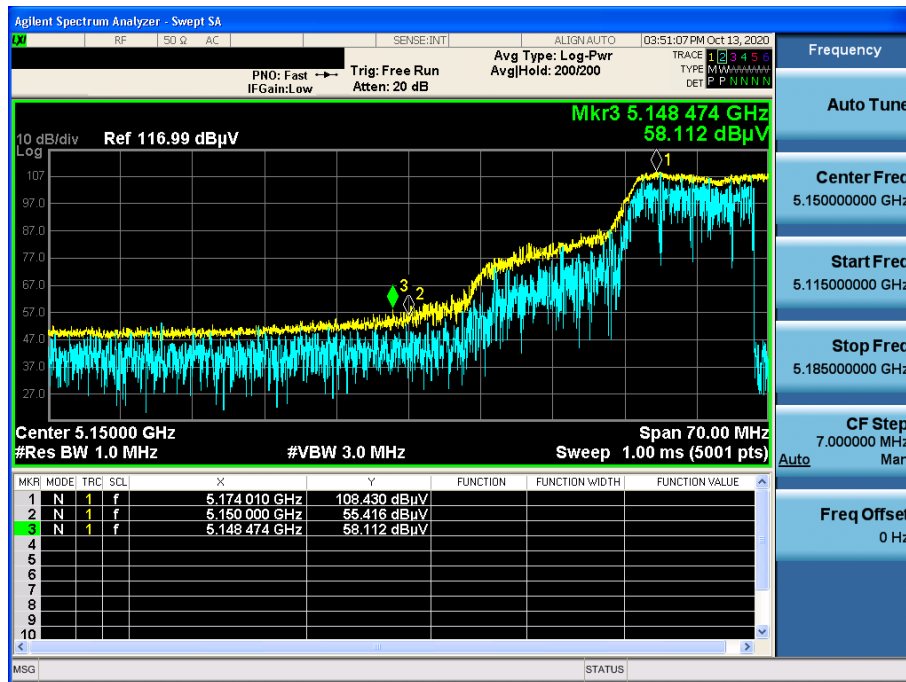


APPENDIX III

Unwanted Emissions (Radiated) Test Plot:

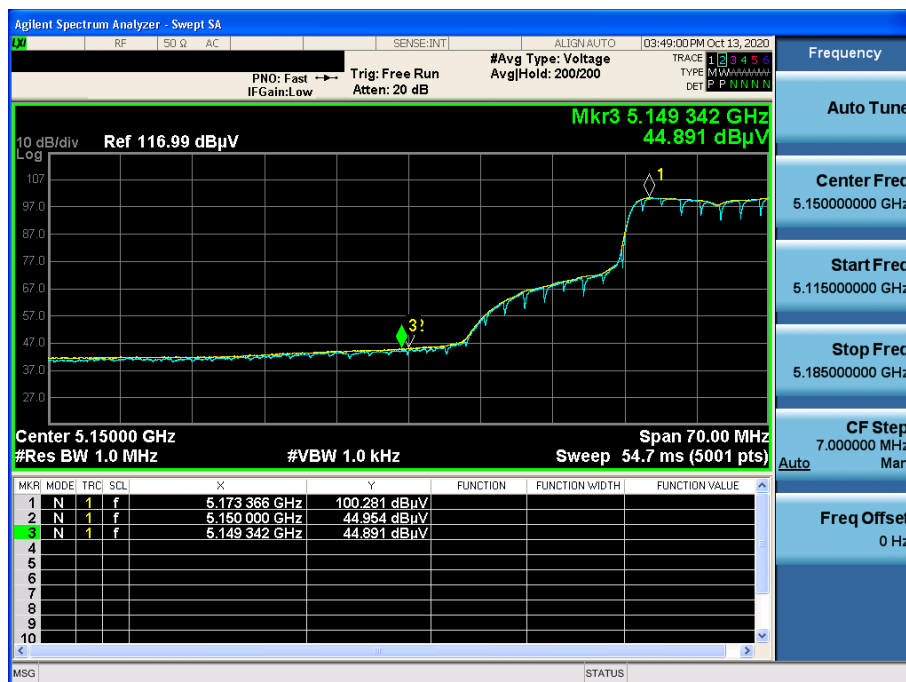
TM 1 & ANT1 & U-NII 1 & Ch.36 & X axis & Ver

Detector Mode : PK



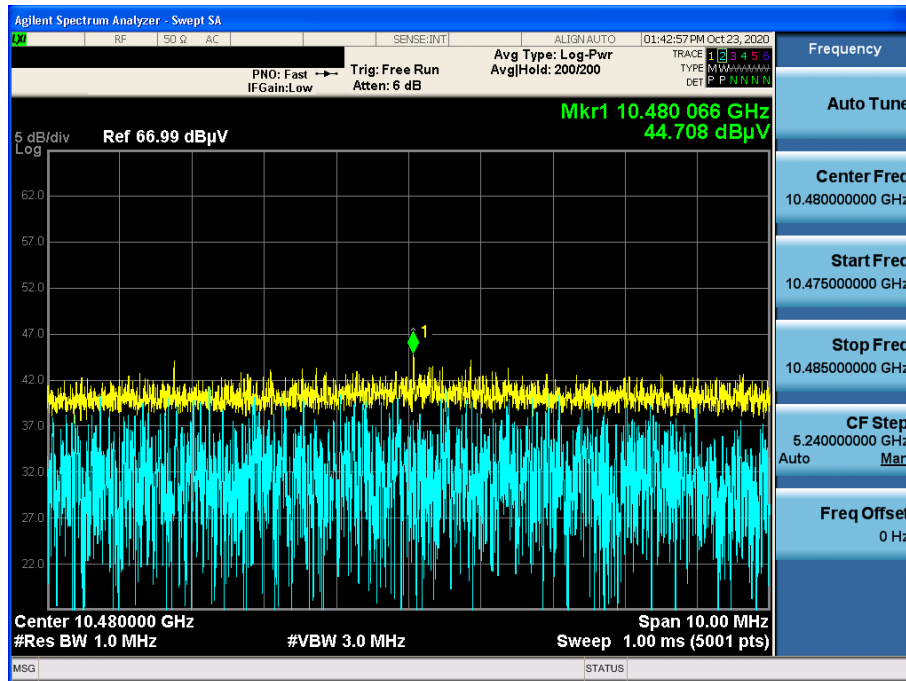
TM 1 & ANT1 & U-NII 1 & Ch.36 & X axis & Ver

Detector Mode : AV



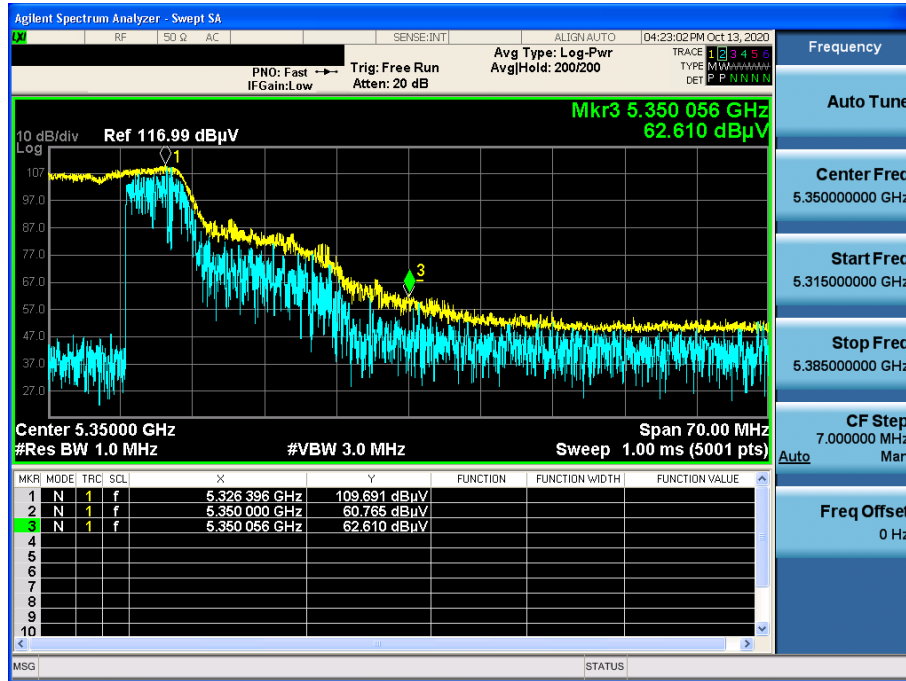
TM 1 & ANT1 & U-NII 1 & Ch.48 & X axis & Ver

Detector Mode : PK



TM 1 & ANT1 & U-NII 2A & Ch.64 & X axis & Ver

Detector Mode : PK



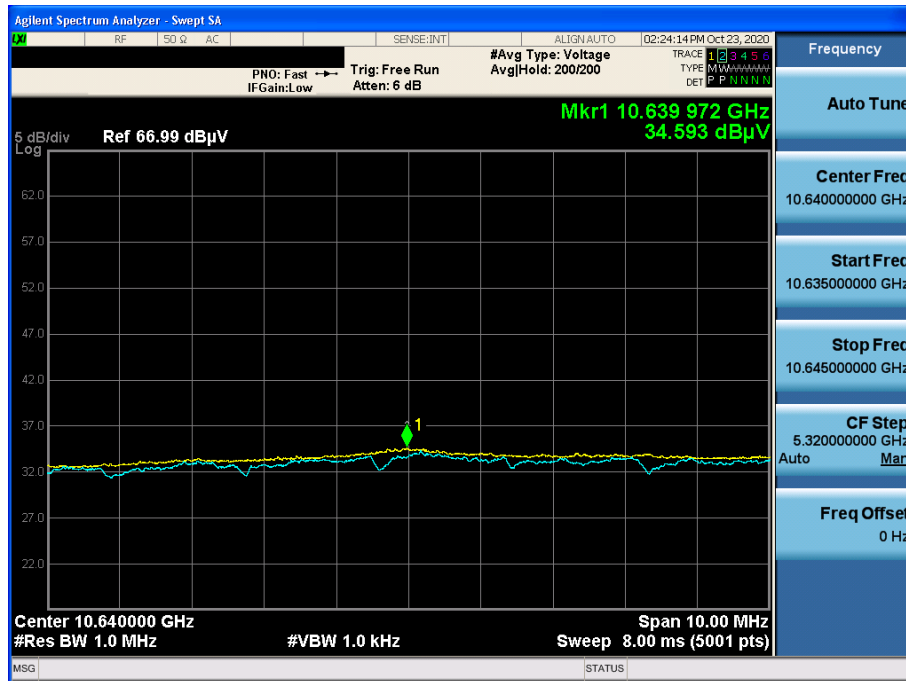
TM 1 & ANT1 & U-NII 2A & Ch.64 & X axis & Ver

Detector Mode : AV

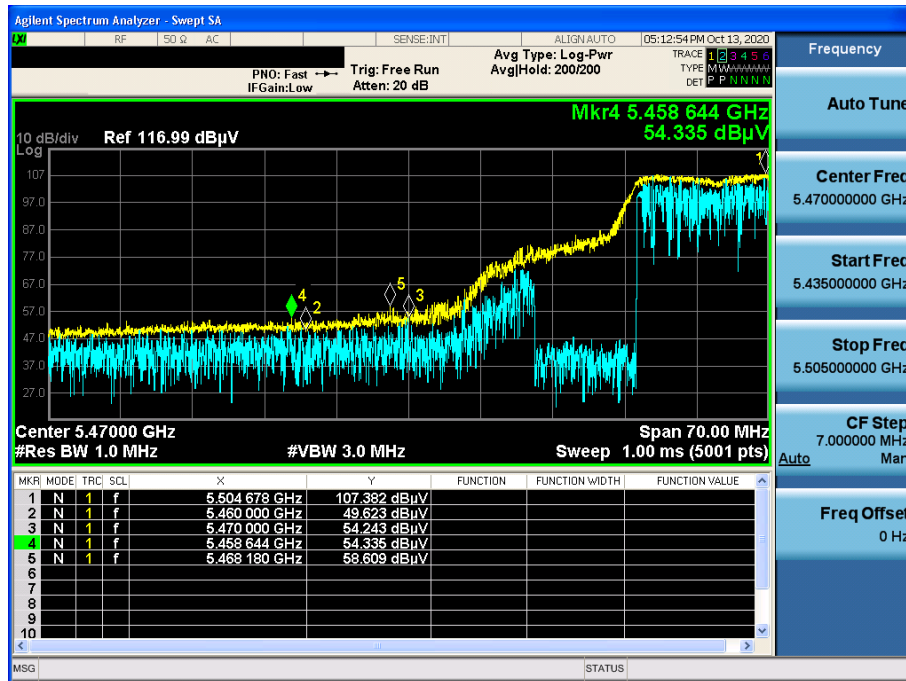


TM 1 & ANT1 & U-NII 2A & Ch.64 & X axis & Ver

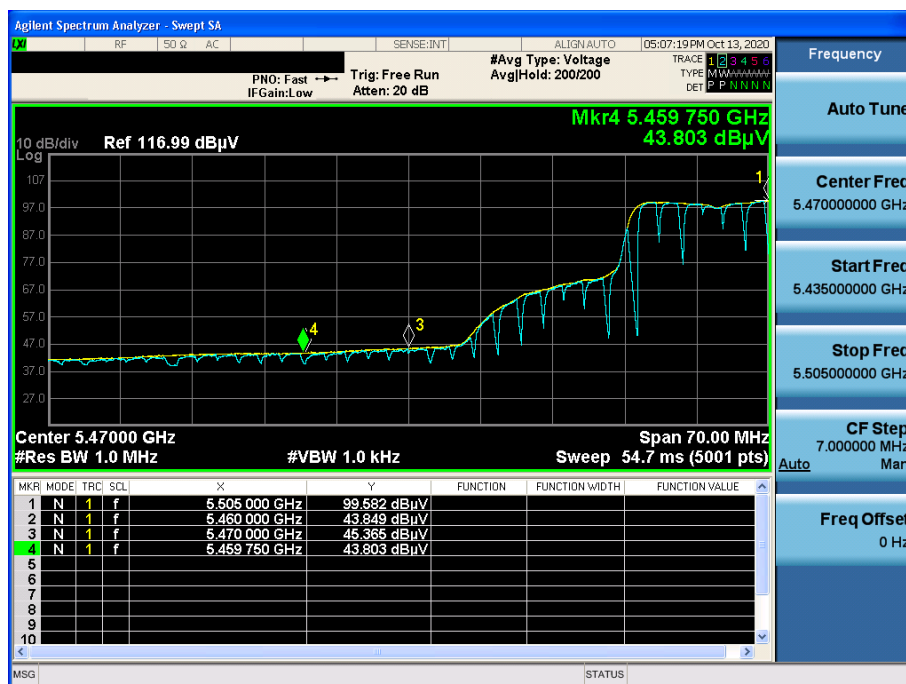
Detector Mode : AV



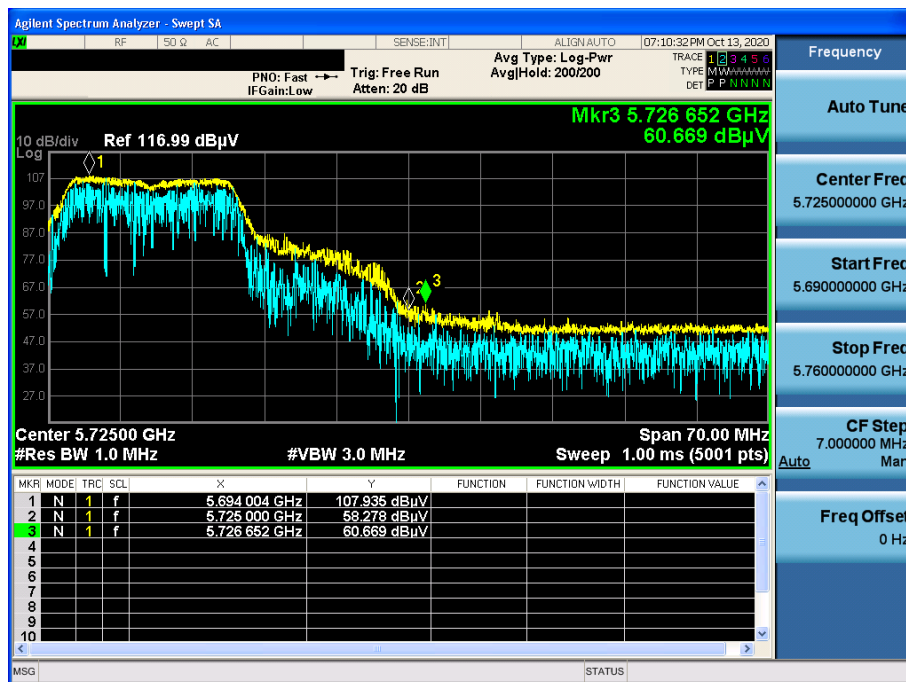
Detector Mode : PK



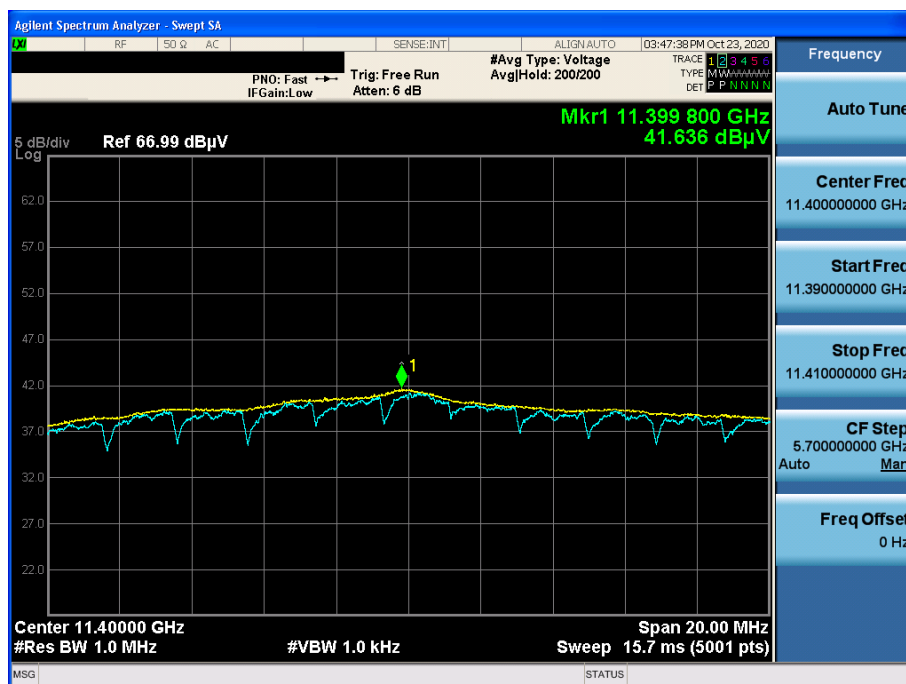
Detector Mode : AV



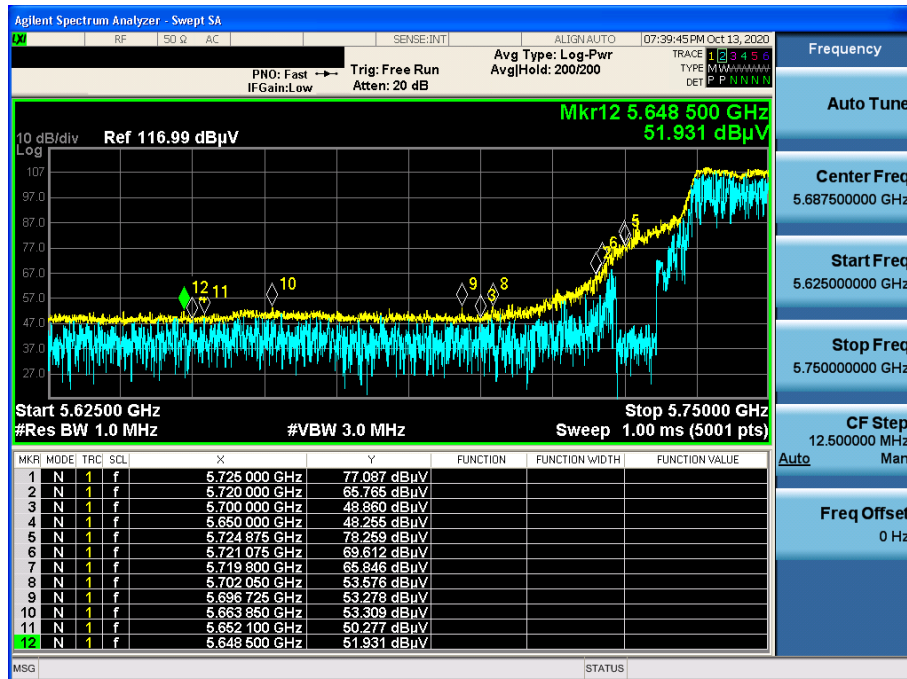
Detector Mode : PK



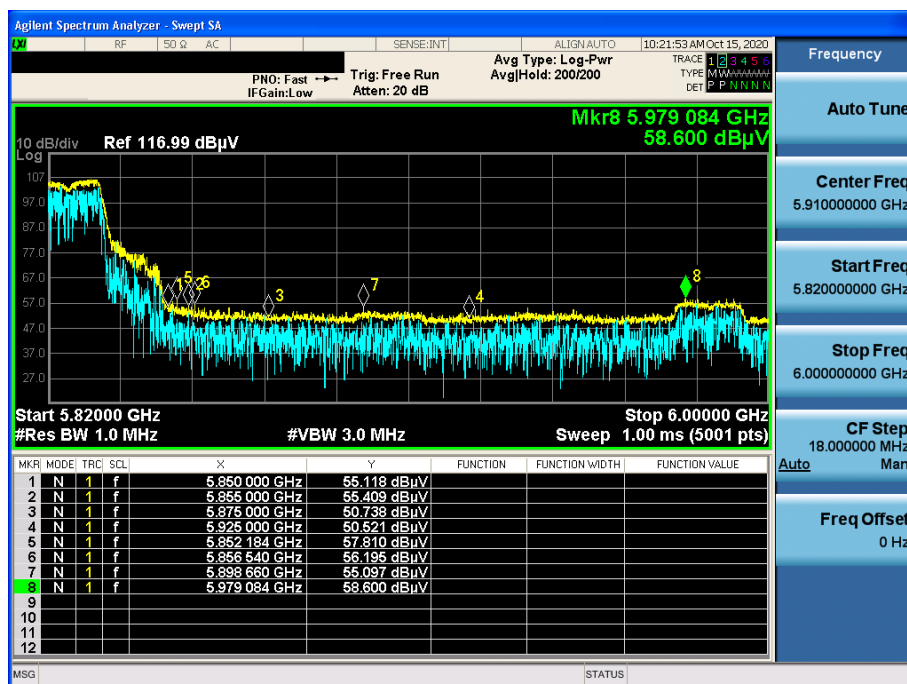
Detector Mode : AV



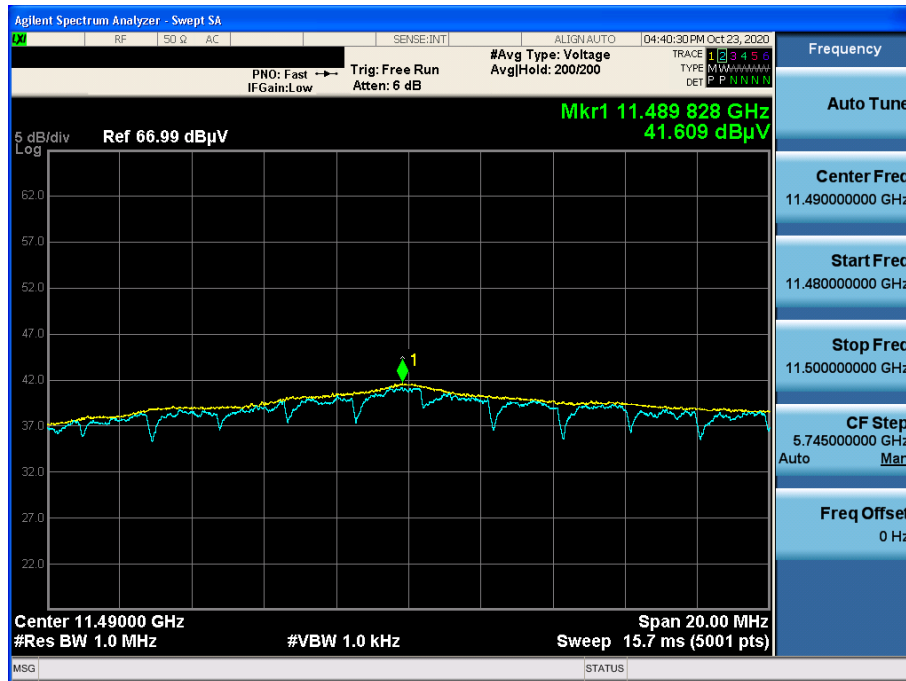
Detector Mode : PK



Detector Mode : PK

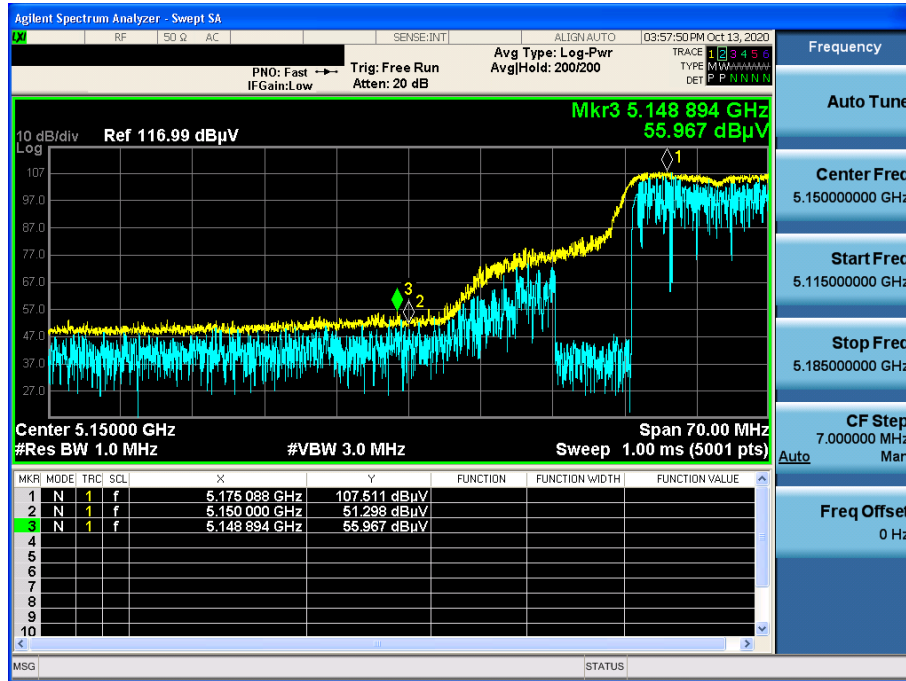


Detector Mode : AV



TM 2 & ANT 1 & U-NII 1 & Ch.36 & X axis & Ver

Detector Mode : PK



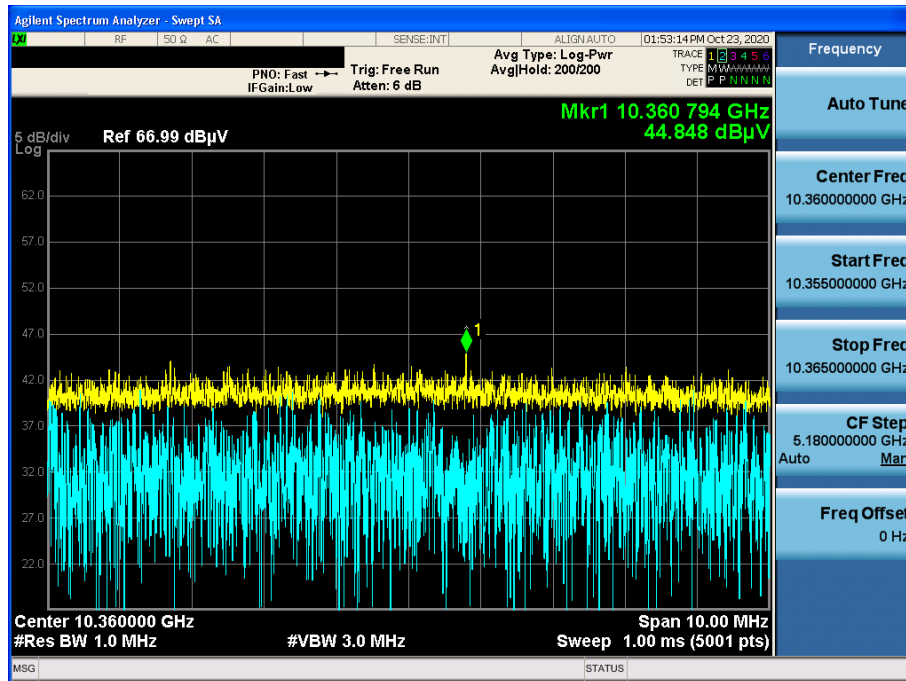
TM 2 & ANT 1 & U-NII 1 & Ch.36 & X axis & Ver

Detector Mode : AV

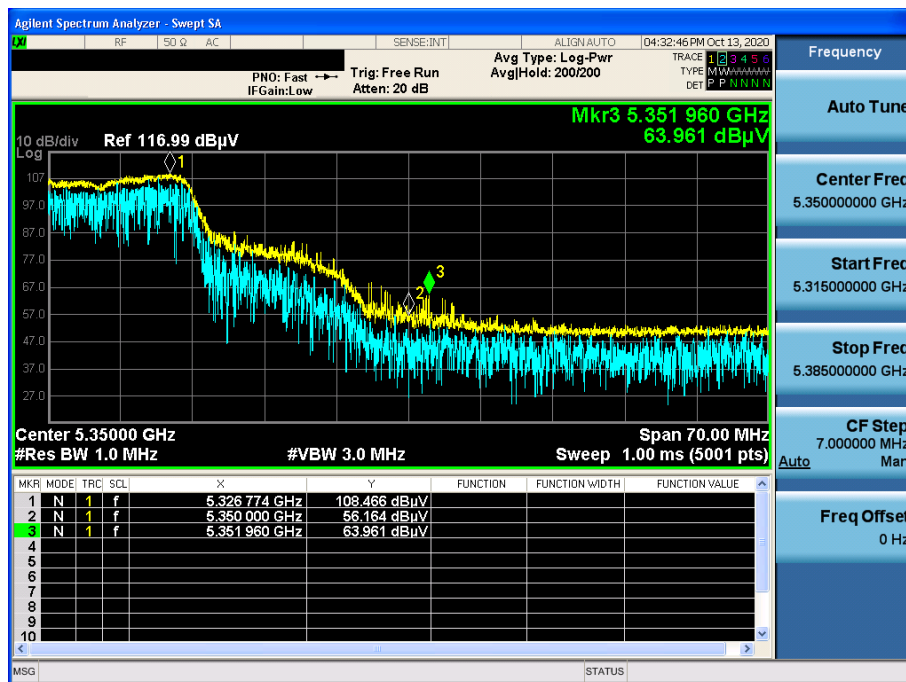


TM 2 & ANT 1 & U-NII 1 & Ch.36 & X axis & Ver

Detector Mode : PK



Detector Mode : PK

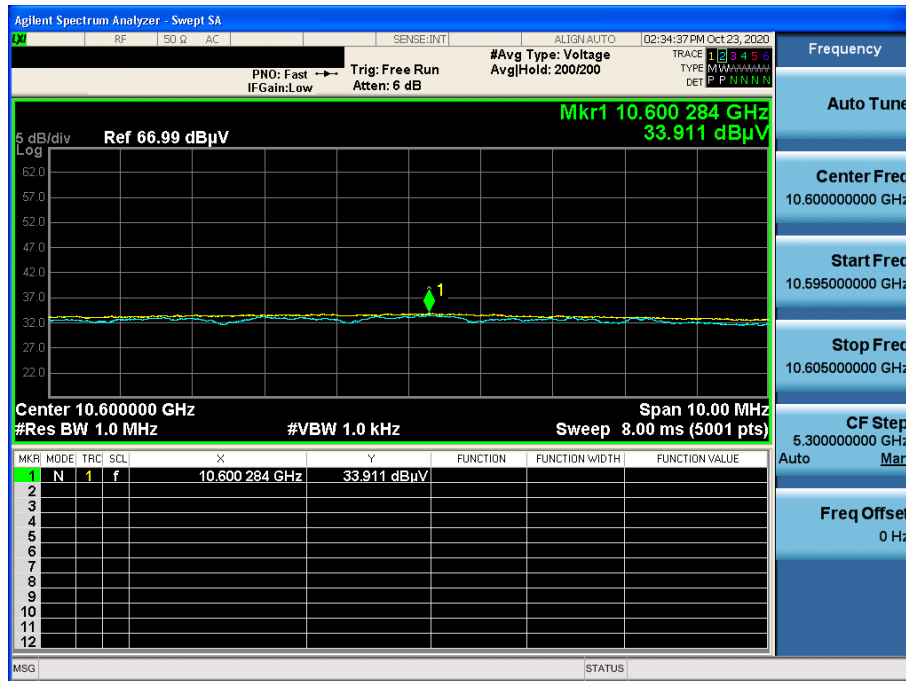


Detector Mode : AV



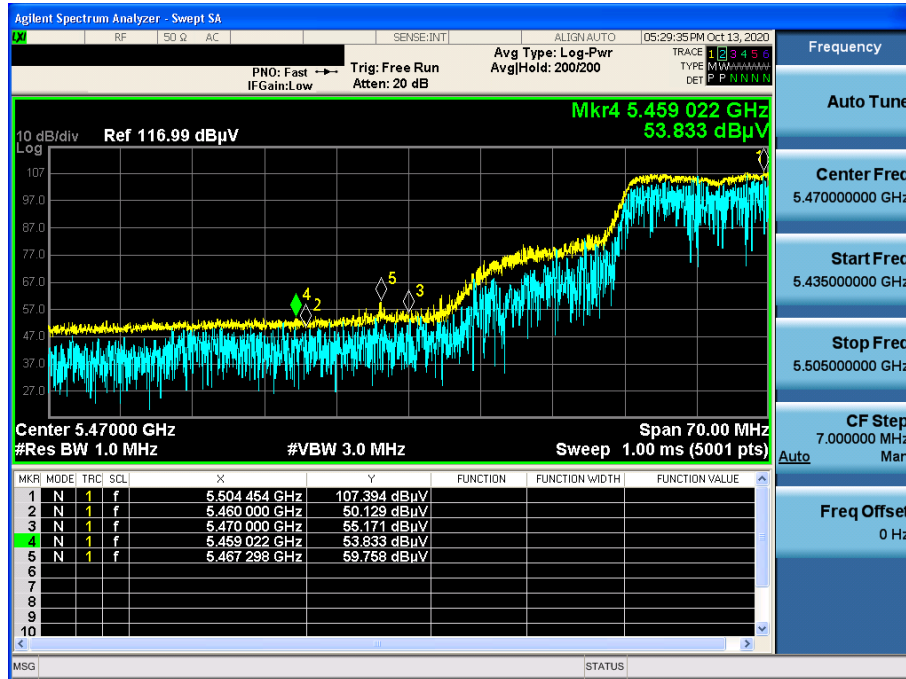
TM 2 & ANT1 & U-NII 2A & Ch.60 & X axis & Ver

Detector Mode : AV



TM 2 & ANT1 & U-NII 2C & Ch.100 & X axis & Ver

Detector Mode : PK



TM 2 & ANT1 & U-NII 2C & Ch.100 & X axis & Ver

Detector Mode : AV

