

### 3.5. Unwanted Emissions (Radiated)

#### ▣ Test Requirements and limit,

#### Part 15.247(d), Part 15.205, Part 15.209 & RSS-247 [5.5], RSS-Gen [8.9], RSS-Gen [8.10]

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of Part 15.247 the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

#### - Part 15.209 & RSS-247[8.9]

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

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

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

**- Part 15.205(a): Restricted band of operation**

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

**- RSS-Gen[8.10]: Restricted frequency bands**

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

### 3.5.1. Test Setup

Refer to the APPENDIX I.

### 3.5.2. Test Procedures

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 turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 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.

#### Note: Measurement Instrument Setting for Radiated Emission Measurements.

- KDB558074 D01v05r02 - Section 8.6
- ANSI C63.10-2013 – Section 11.12

#### 1. Frequency Range Below 1 GHz

RBW = 100 or 120 kHz, VBW = 3 x RBW, Detector = Peak or Quasi Peak

#### 2. Frequency Range > 1 GHz

Peak Measurement > 1 GHz

RBW = 1 MHz, VBW = 3 MHz, Detector = Peak, Sweep time = Auto, Trace mode = Max Hold until the trace stabilizes

Average Measurement > 1 GHz

1. RBW = 1 MHz (unless otherwise specified).
2. VBW  $\geq$  3 x RBW.
3. Detector = RMS (Number of points  $\geq$  2 x Span / RBW)
4. Averaging type = power (i.e., RMS).
5. Sweep time = auto.
6. Perform a trace average of at least 100 traces.
7. 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:
  - 1) If power averaging (RMS) mode was used in step 4, then the applicable correction factor is  $10 \log(1 / D)$ , where D is the duty cycle.
  - 2) If linear voltage averaging mode was used in step 4, then the applicable correction factor is  $20 \log(1 / D)$ , where D is the duty cycle.
  - 3) If a specific emission is demonstrated to be continuous ( $\geq$  98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

#### Duty Cycle Correction factor

Test Mode	Date rate	T <sub>on</sub> (ms)	T <sub>on+off</sub> (ms)	D = T <sub>on</sub> / (T <sub>on+off</sub> )	DCCF = 10 log(1/D) (dB)
TM 1	1 Mbps	12.430	12.550	0.990 4	NA
TM 2	54 Mbps	0.248	0.284	0.873 2	0.59
TM 3	MCS 7	0.228	0.264	0.862 7	0.64
TM 4	MCS 5	0.152	0.203	0.747 8	1.26

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

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

### 3.5.3. Test Results

#### - Test Notes

1. The radiated emissions were investigated 9 kHz to 25 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 =  $40 \log(\text{tested distance} / \text{specified distance})$   
 At frequencies at or above 30 MHz =  $20 \log(\text{tested distance} / \text{specified distance})$   
 When distance factor is "N/A", the measurements were performed at the specified distance and distance factor is not applied.
3. Sample Calculation.  
 $\text{Margin} = \text{Limit} - \text{Result}$  /  $\text{Result} = \text{Reading} + \text{TF} + \text{DCCF} + \text{DCF}$  /  $\text{TF} = \text{AF} + \text{CL} + \text{HL} + \text{AL} - \text{AG}$   
 Where, TF = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain, HL = High pass filter Loss, AL = Attenuator Loss,  
 DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor

#### Radiated Emissions data(9 kHz ~ 25 GHz) : TM 1

Tested Frequency (MHz)	Frequency (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)
2 412	2 386.33	H	X	PK	51.22	4.77	N/A	N/A	55.99	74.00	18.01
	2 386.50	H	X	AV	41.44	4.77	N/A	N/A	46.21	54.00	7.79
	4 823.75	H	X	PK	49.85	1.95	N/A	N/A	51.80	74.00	22.20
	4 824.15	H	X	AV	39.38	1.96	N/A	N/A	41.34	54.00	12.66
2 437	4 873.39	H	X	PK	50.25	2.06	N/A	N/A	52.31	74.00	21.69
	4 873.60	H	X	AV	39.60	2.06	N/A	N/A	41.66	54.00	12.34
2 462	2 485.21	H	X	PK	51.70	5.74	N/A	N/A	57.44	74.00	16.56
	2 486.16	H	X	AV	42.18	5.74	N/A	N/A	47.92	54.00	6.08
	4 924.10	H	X	PK	49.45	2.10	N/A	N/A	51.55	74.00	22.45
	4 923.59	H	X	AV	39.06	2.10	N/A	N/A	41.16	54.00	12.84

#### Radiated Emissions data(9 kHz ~ 25 GHz) : TM 2

Tested Frequency (MHz)	Frequency (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)
2 412	2 389.34	H	X	PK	59.60	4.79	N/A	N/A	64.39	74.00	9.61
	2 389.94	H	X	AV	43.91	4.79	0.59	N/A	49.29	54.00	4.71
	4 824.06	H	X	PK	50.05	1.96	N/A	N/A	52.01	74.00	21.99
	4 823.91	H	X	AV	39.47	1.96	0.59	N/A	42.02	54.00	11.98
2 437	4 873.55	H	X	PK	50.39	2.06	N/A	N/A	52.45	74.00	21.55
	4 874.10	H	X	AV	39.73	2.06	0.59	N/A	42.38	54.00	11.62
2 462	2 484.51	H	X	PK	62.35	5.74	N/A	N/A	68.09	74.00	5.91
	2 484.42	H	X	AV	43.19	5.74	0.59	N/A	49.52	54.00	4.48
	4 923.74	H	X	PK	50.20	2.10	N/A	N/A	52.30	74.00	21.70
	4 924.58	H	X	AV	39.26	2.10	0.59	N/A	41.95	54.00	12.05

**Radiated Emissions data(9 kHz ~ 25 GHz) : TM 3**

Tested Frequency (MHz)	Frequency (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)
2 412	2 389.69	H	X	PK	58.19	4.79	N/A	N/A	62.98	74.00	11.02
	2 389.79	H	X	AV	43.50	4.79	0.64	N/A	48.93	54.00	5.07
	4 823.88	H	X	PK	49.82	1.96	N/A	N/A	51.78	74.00	22.22
	4 823.33	H	X	AV	39.35	1.95	0.64	N/A	41.94	54.00	12.06
2 437	4 875.22	H	X	PK	50.09	2.07	N/A	N/A	52.16	74.00	21.84
	4 875.03	H	X	AV	39.48	2.07	0.64	N/A	42.19	54.00	11.81
2 462	2 484.40	H	X	PK	59.88	5.74	N/A	N/A	65.62	74.00	8.38
	2 483.78	H	X	AV	44.91	5.74	0.64	N/A	51.29	54.00	2.71
	4 923.89	H	X	PK	49.48	2.10	N/A	N/A	51.58	74.00	22.42
	4 923.81	H	X	AV	39.12	2.10	0.64	N/A	41.86	54.00	12.14

**Radiated Emissions data(9 kHz ~ 25 GHz) : TM 4**

Tested Frequency (MHz)	Frequency (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)
2 422	2 388.35	H	X	PK	56.23	4.78	N/A	N/A	61.01	74.00	12.99
	2 388.71	H	X	AV	44.27	4.78	1.26	N/A	50.31	54.00	3.69
	4 843.49	H	X	PK	50.24	2.05	N/A	N/A	52.29	74.00	21.71
	4 843.48	H	X	AV	39.19	2.05	1.26	N/A	42.50	54.00	11.50
2 437	4 873.60	H	X	PK	50.12	2.06	N/A	N/A	52.18	74.00	21.82
	4 873.59	H	X	AV	39.77	2.06	1.26	N/A	43.09	54.00	10.91
2 452	2 483.61	H	X	PK	55.66	5.74	N/A	N/A	61.40	74.00	12.60
	2 483.61	H	X	AV	43.10	5.74	1.26	N/A	50.10	54.00	3.90
	4 904.08	H	X	PK	50.20	2.08	N/A	N/A	52.28	74.00	21.72
	4 904.01	H	X	AV	39.32	2.08	1.26	N/A	42.66	54.00	11.34

**Radiated Emissions data(9 kHz ~ 25 GHz) : TM 3 & Wireless Charging**

Tested Frequency (MHz)	Frequency (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)
2 462	2 484.89	H	X	PK	60.40	5.74	N/A	N/A	66.14	74.00	7.86
	2 483.77	H	X	AV	44.27	5.74	N/A	N/A	50.01	54.00	3.99
	4 922.37	H	X	PK	49.73	2.09	N/A	N/A	51.82	74.00	22.18
	4 922.94	H	X	AV	38.99	2.09	N/A	N/A	41.08	54.00	12.92

### 3.6. AC Power-Line Conducted Emissions

#### ■ Test Requirements and limit, Part 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.

#### 3.6.1. Test Setup

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

#### 3.6.2. Test Procedures

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.

#### 3.6.3. Test Results

Refer to the next page. (The worst case data was reported. The worst data is TM 4 & Highest)

**AC Power-Line Conducted Emissions (Graph)**

Results of Conducted Emission

DTNC

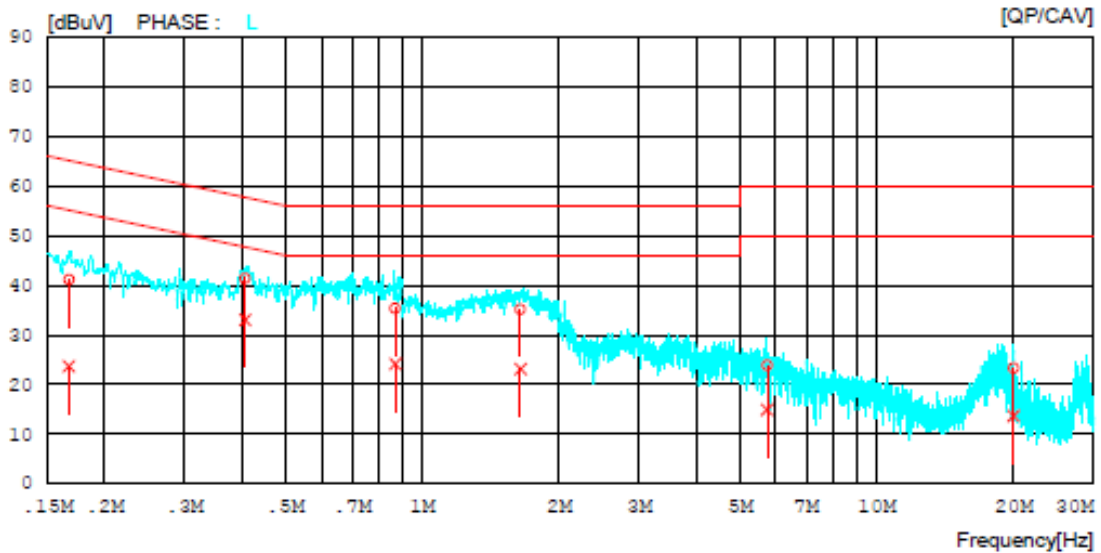
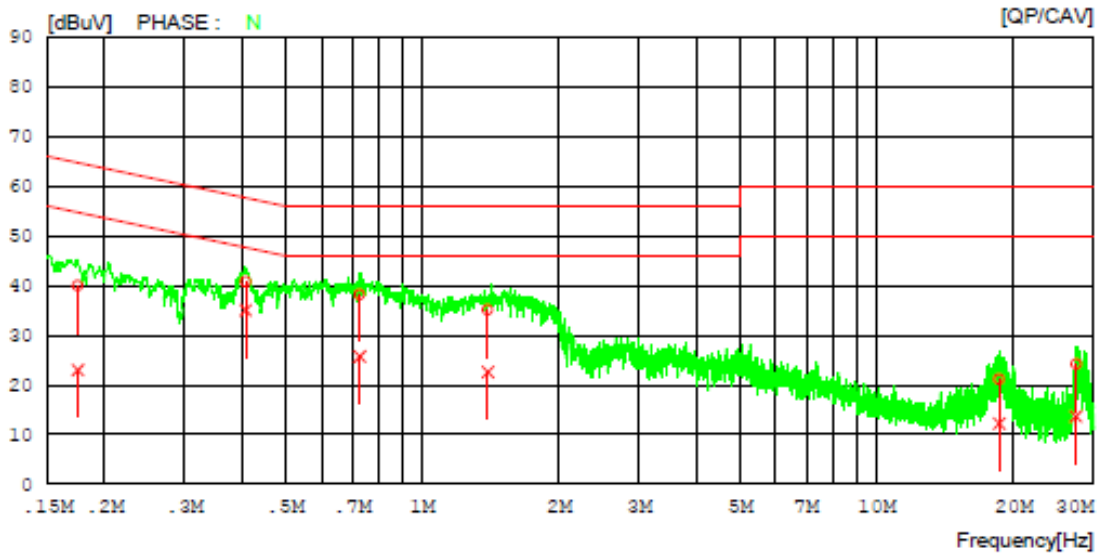
Date 2021-02-19

Order No.  
Model No. PM30  
Serial No.  
Test Condition 2.4G WLAN

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

Memo

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



## AC Power-Line Conducted Emissions (List)

# Results of Conducted Emission

DTNC

Date 2021-02-19

Order No.		Reference No.	
Model No.	PM30	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 °C / 35 %
Test Condition	2.4G WLAN	Operator	J.W.Kim

Memo

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

NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	CAV [dBuV]		QP [dBuV]	CAV [dBuV]	QP [dBuV]	CAV [dBuV]			
1	0.17464	30.03	13.07	9.95	39.98	23.02	64.74	54.74	24.76	31.72	N
2	0.40882	30.88	25.04	9.98	40.86	35.02	57.67	47.67	16.81	12.65	N
3	0.72878	28.23	15.78	9.97	38.20	25.75	56.00	46.00	17.80	20.25	N
4	1.39308	25.19	12.55	9.99	35.18	22.54	56.00	46.00	20.82	23.46	N
5	18.58641	10.64	1.70	10.52	21.16	12.22	60.00	50.00	38.84	37.78	N
6	27.43891	13.53	3.07	10.63	24.16	13.70	60.00	50.00	35.84	36.30	N
7	0.16701	31.15	13.69	9.94	41.09	23.63	65.11	55.11	24.02	31.48	L
8	0.40773	31.37	23.00	9.96	41.33	32.96	57.69	47.69	16.36	14.73	L
9	0.87150	25.31	14.12	9.97	35.28	24.09	56.00	46.00	20.72	21.91	L
10	1.64381	25.11	13.05	10.01	35.12	23.06	56.00	46.00	20.88	22.94	L
11	5.73583	13.67	4.73	10.17	23.84	14.90	60.00	50.00	36.16	35.10	L
12	19.97515	12.75	3.13	10.52	23.27	13.65	60.00	50.00	36.73	36.35	L



### 3.7. Occupied Bandwidth

#### ▣ Test Requirements, RSS-Gen [6.7]

When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99 % emission bandwidth, as calculated or measured.

#### 3.7.1. Test Setup

Refer to the APPENDIX I.

#### 3.7.2. Test Procedures

The 99 % power bandwidth was measured with a calibrated spectrum analyzer.

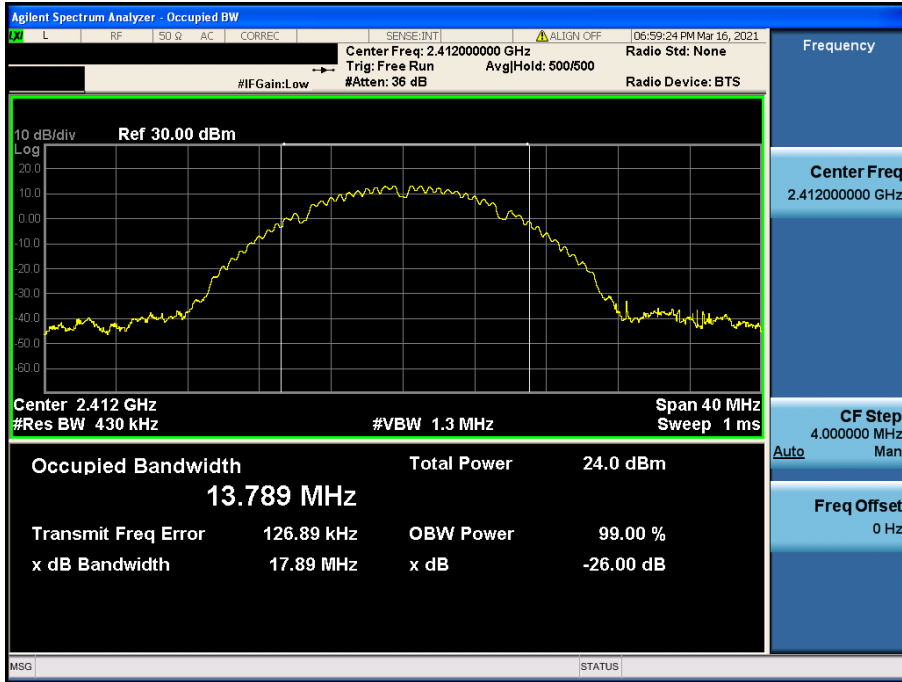
The resolution bandwidth (RBW) shall be in the range of 1 % to 5 % of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately  $3 \times \text{RBW}$ .

#### 3.7.3. Test Results

Test Mode	Frequency	Test Results (MHz)
TM 1	2 412	13.79
	2 437	13.66
	2 462	13.89
TM 2	2 412	17.02
	2 437	16.95
	2 462	17.00
TM 3	2 412	18.14
	2 437	18.09
	2 462	18.12
TM 4	2 422	36.81
	2 437	36.86
	2 452	36.88

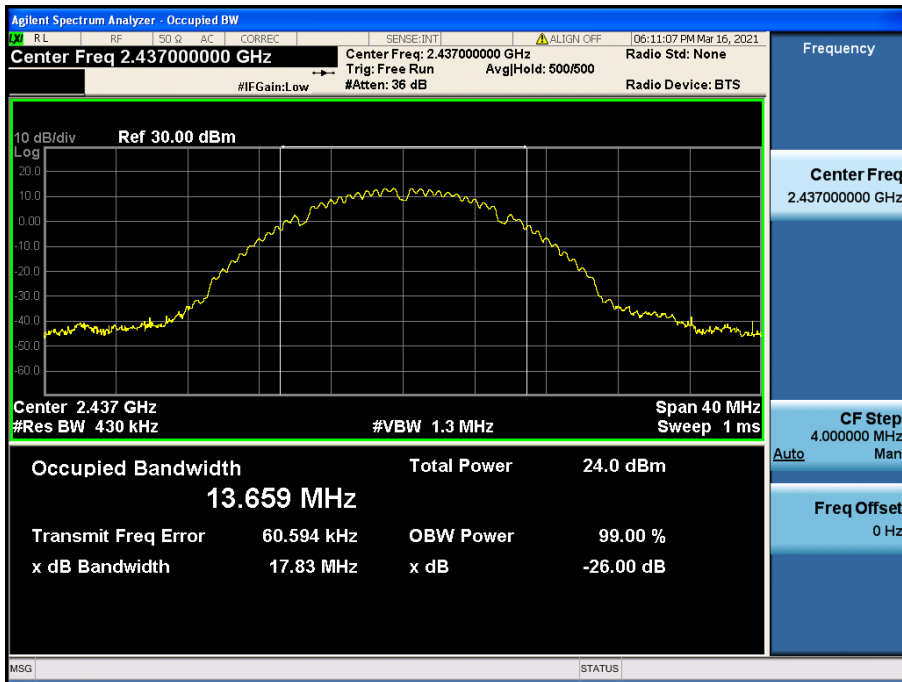
Occupied Bandwidth

TM 1 & 2412



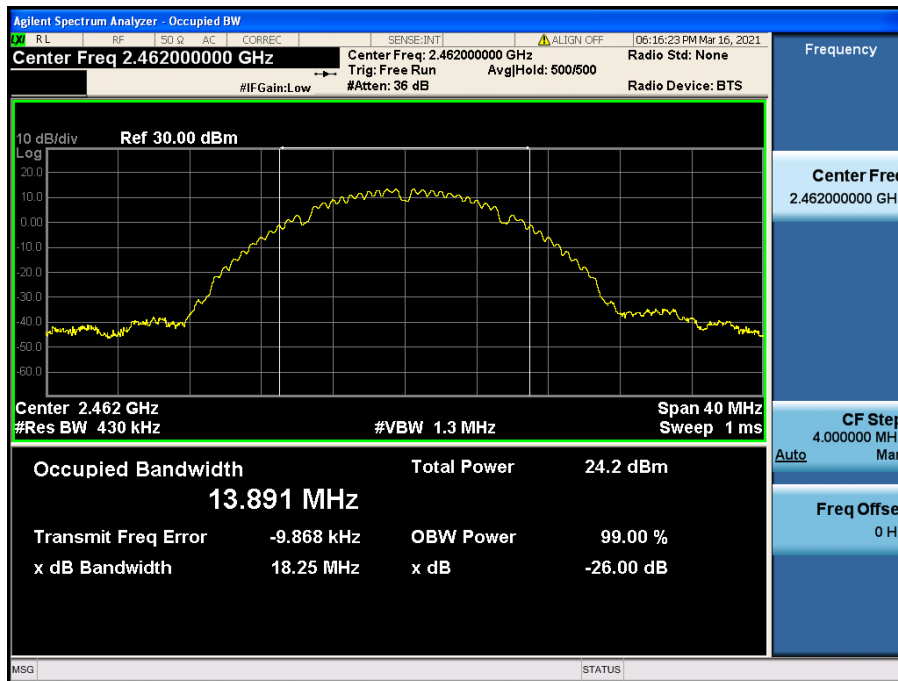
Occupied Bandwidth

TM 1 & 2437



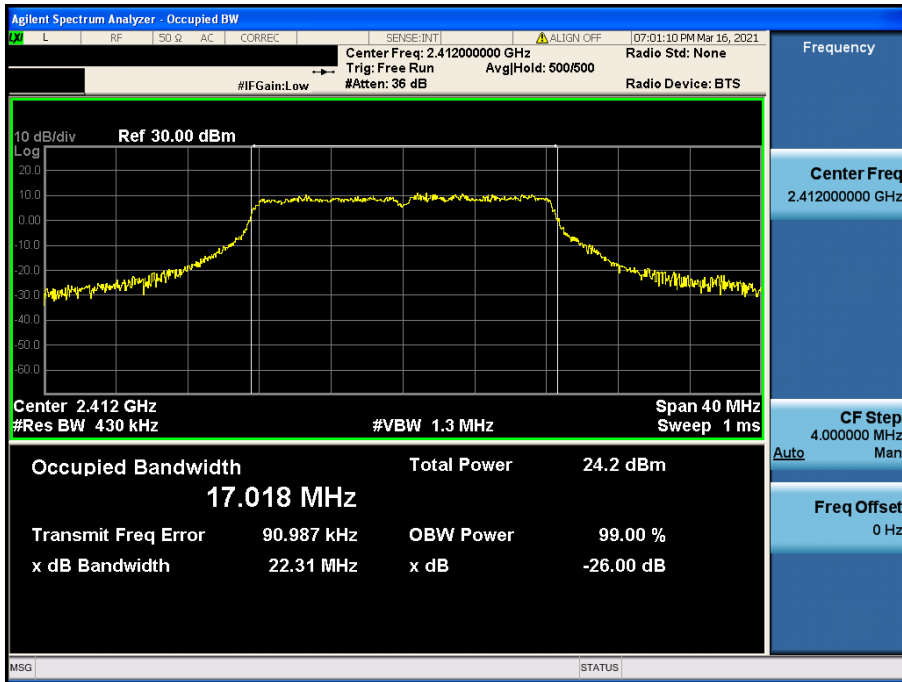
Occupied Bandwidth

TM 1 & 2 462



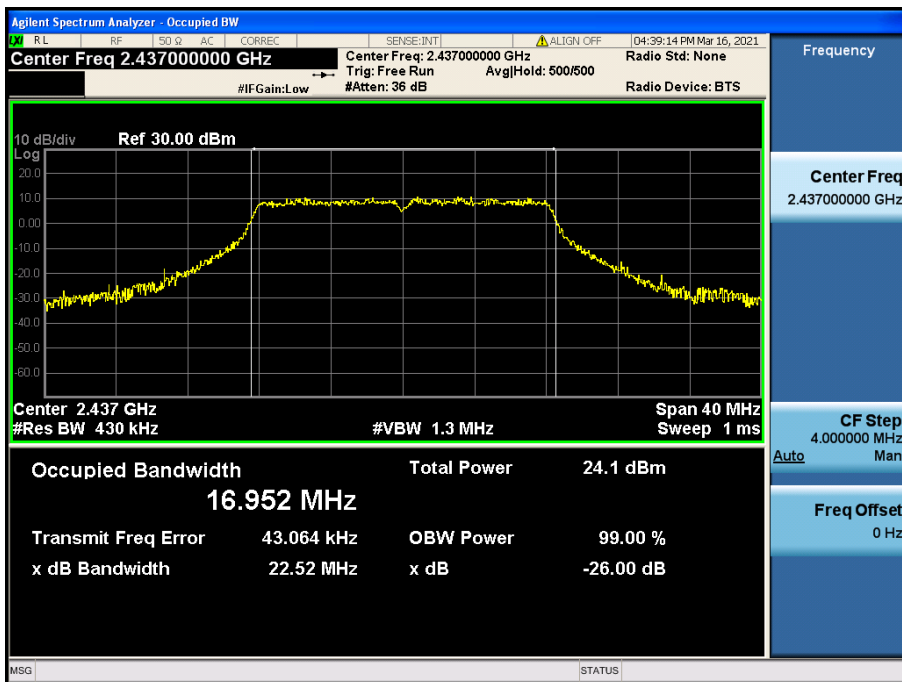
Occupied Bandwidth

TM 2 & 2 412



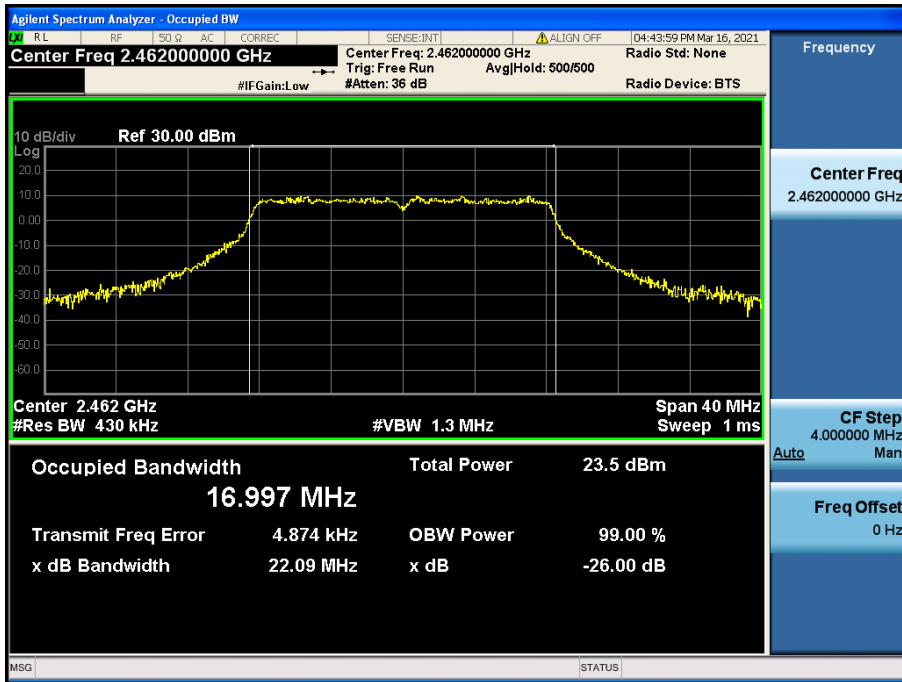
Occupied Bandwidth

TM 2 & 2 437



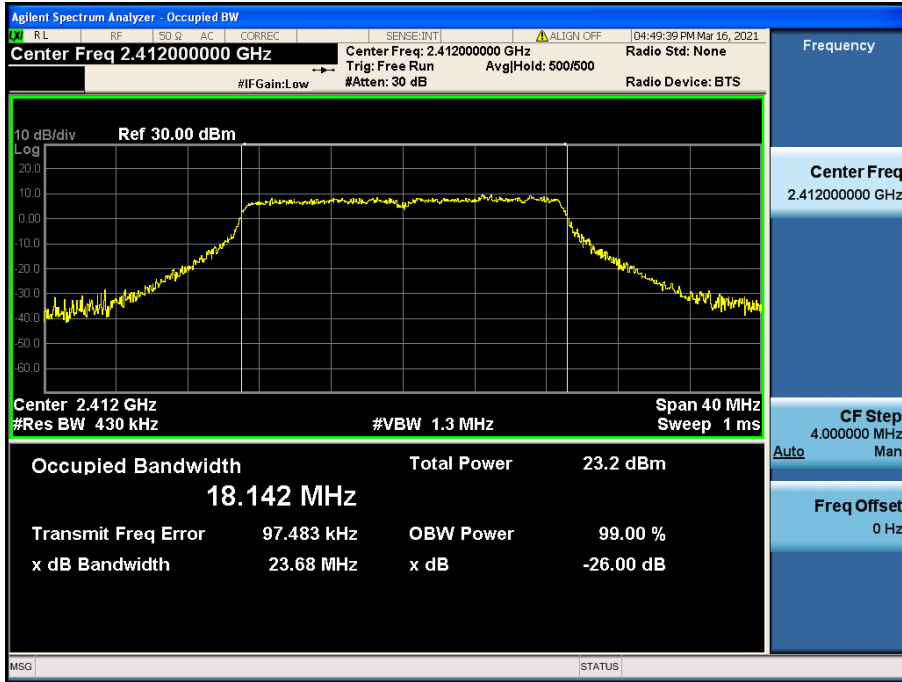
Occupied Bandwidth

TM 2 & 2 462



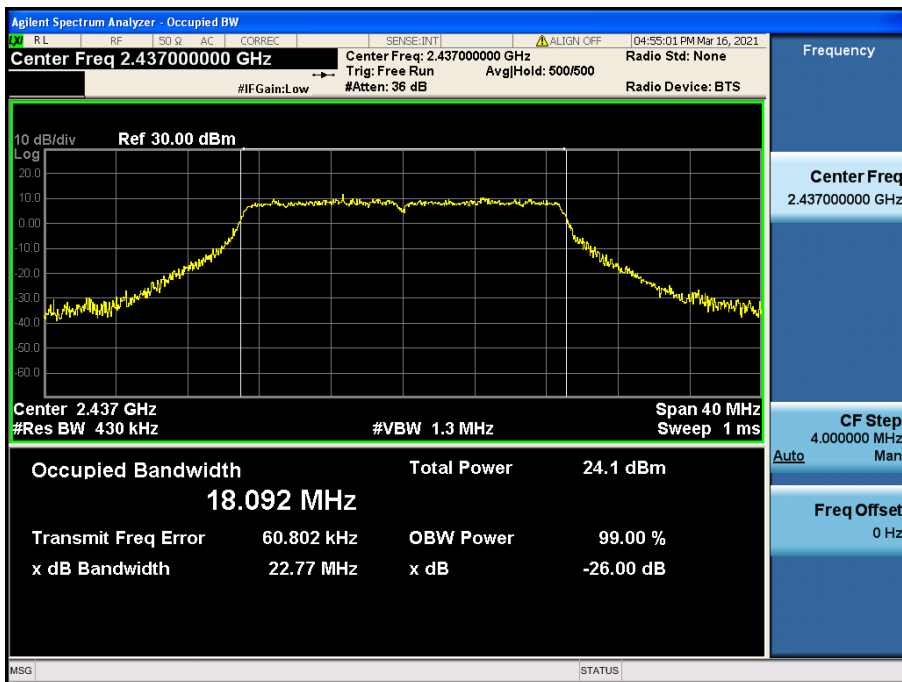
Occupied Bandwidth

TM 3 & 2412



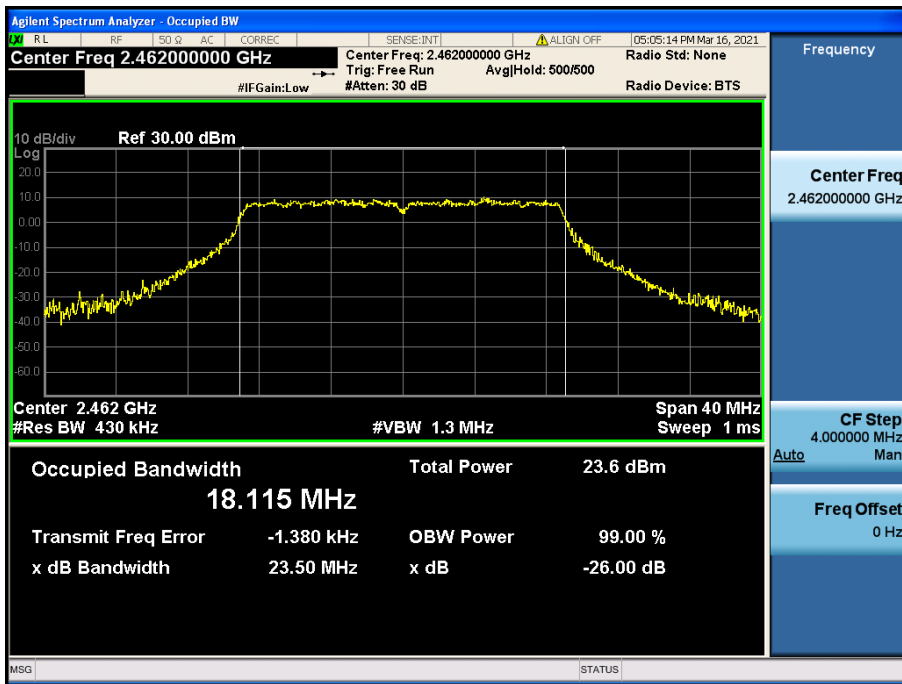
Occupied Bandwidth

TM 3 & 2437



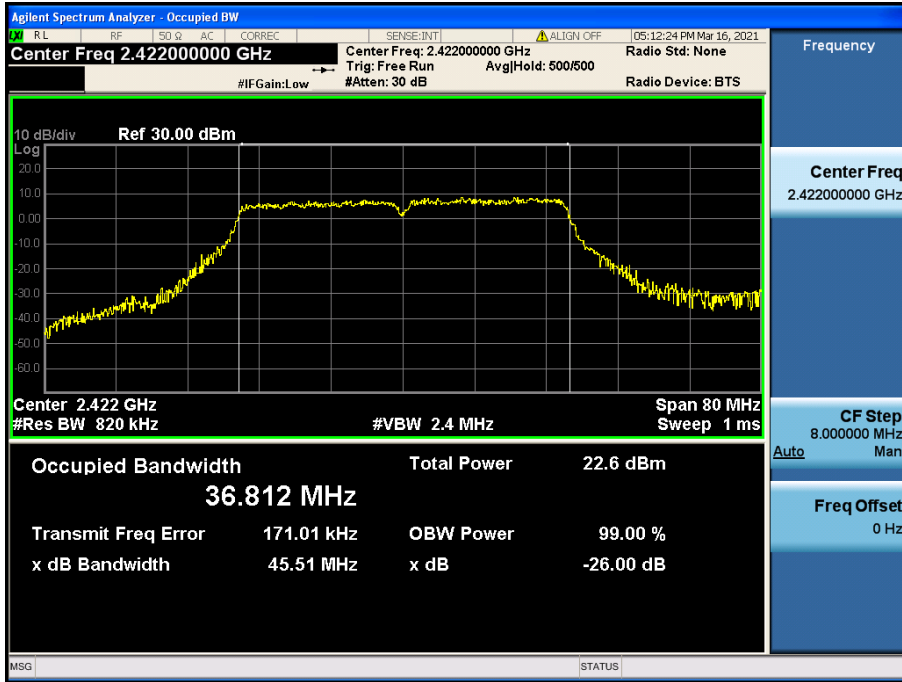
Occupied Bandwidth

TM 3 & 2 462



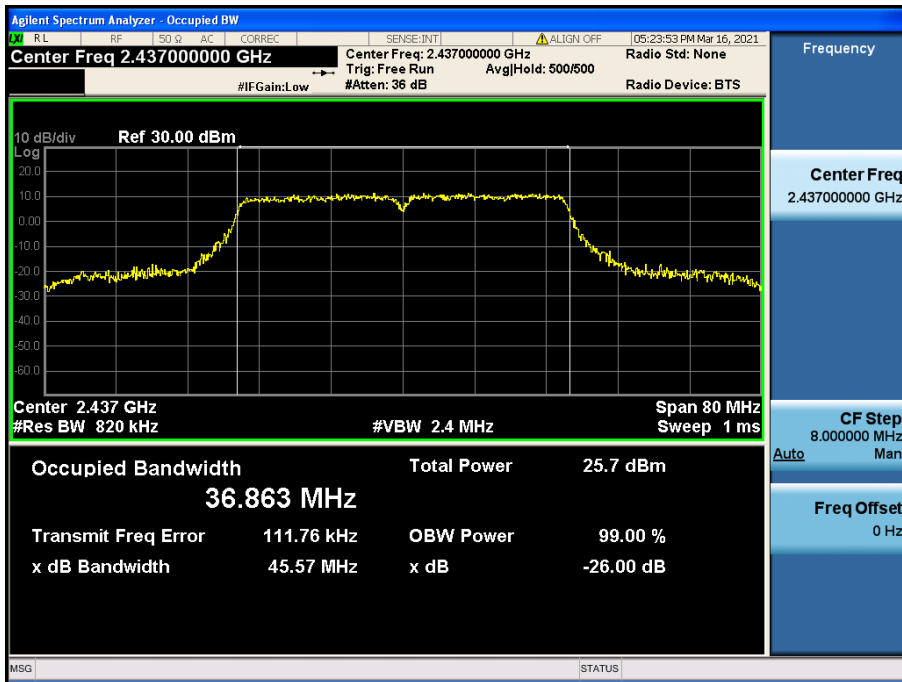
Occupied Bandwidth

TM 4 & 2422



Occupied Bandwidth

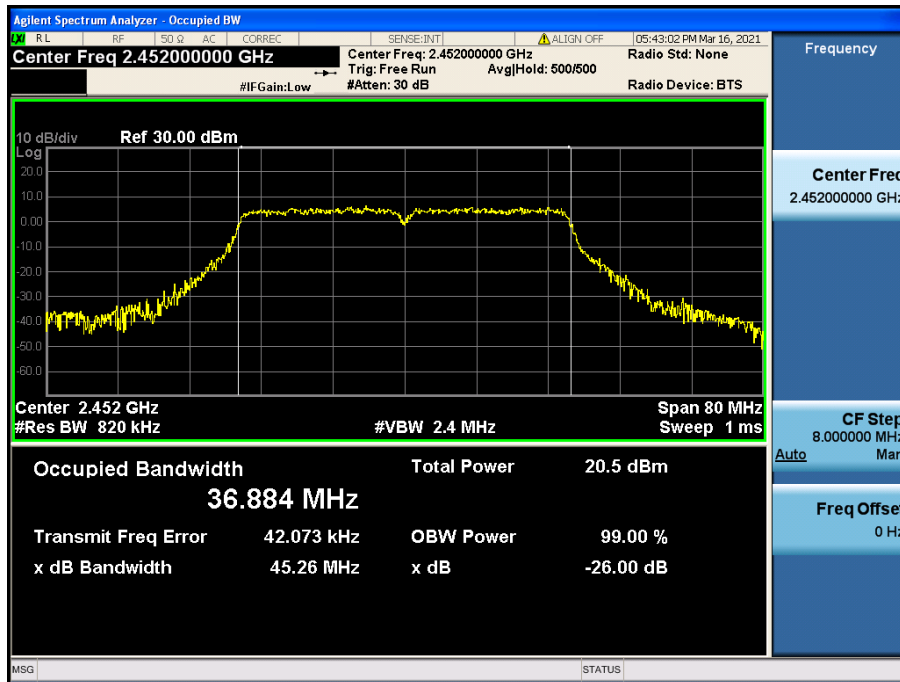
TM 4 & 2437





Occupied Bandwidth

TM 4 & 2 452



## 4. Antenna Requirements

### ▣ According to Part 15.203

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

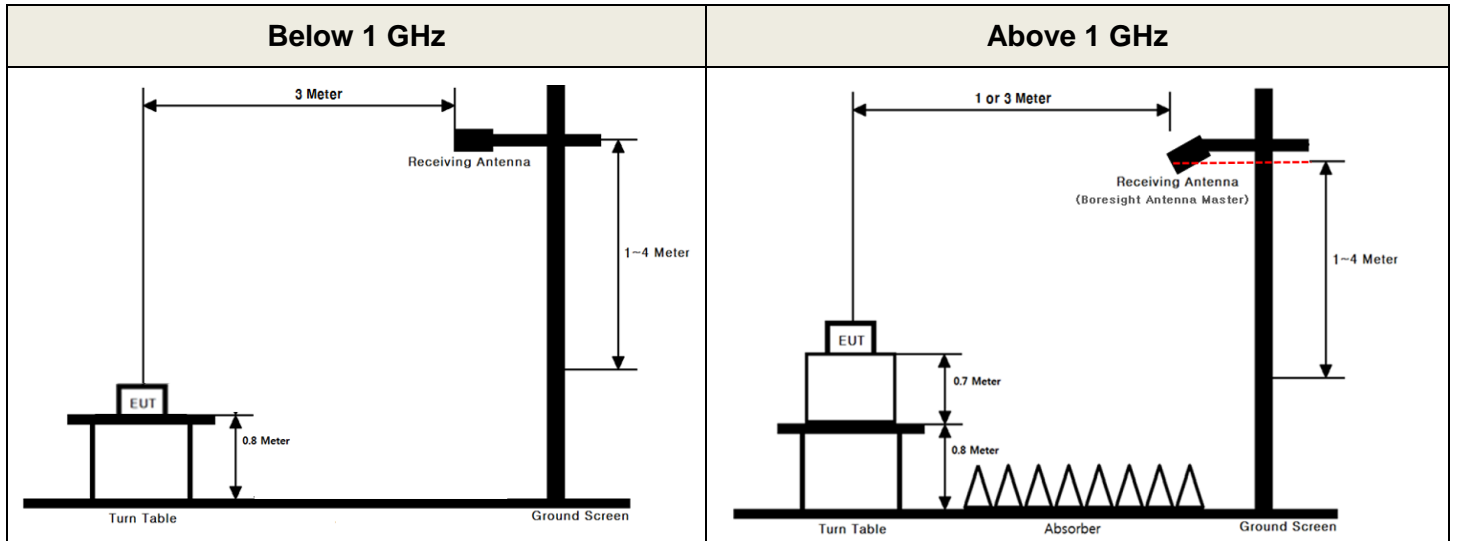
**The antenna is permanently attached on the device.**

**Therefore this E.U.T complies with the requirement of Part 15.203**

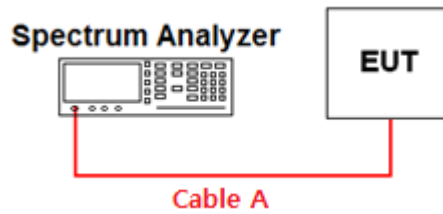
# APPENDIX I

## Test set up diagrams

### ▪ Radiated Measurement



### ▪ Conducted Measurement



## APPENDIX II

### Duty cycle plots

#### ▪ Test Procedures

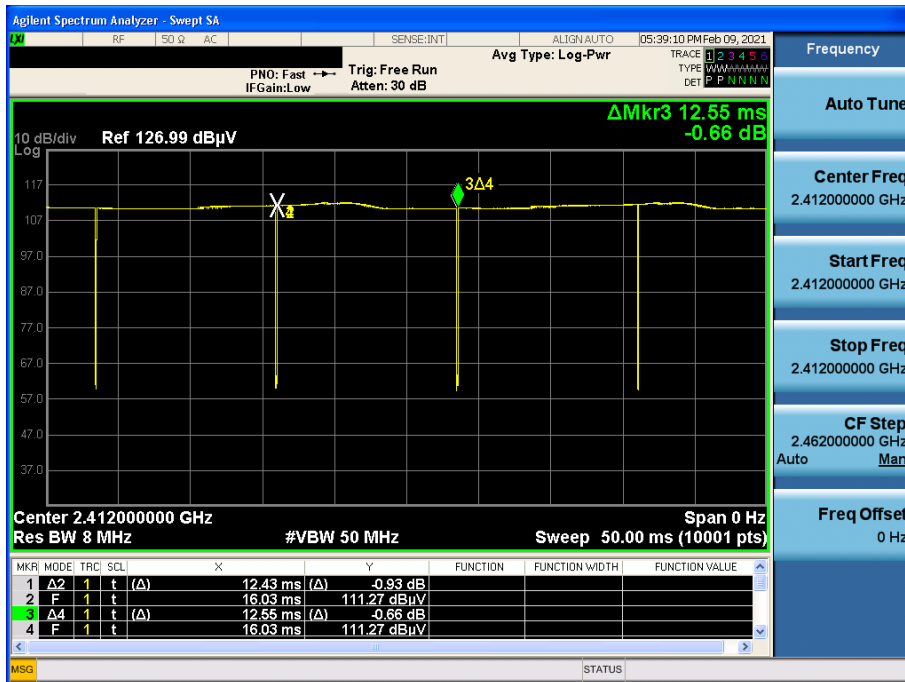
##### - KDB558074 D01v05r02 – Section 6

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set  $RBW \geq OBW$  if possible; otherwise, set RBW to the largest available value. Set  $VBW \geq RBW$ . Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are  $> 50 / T$  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.)

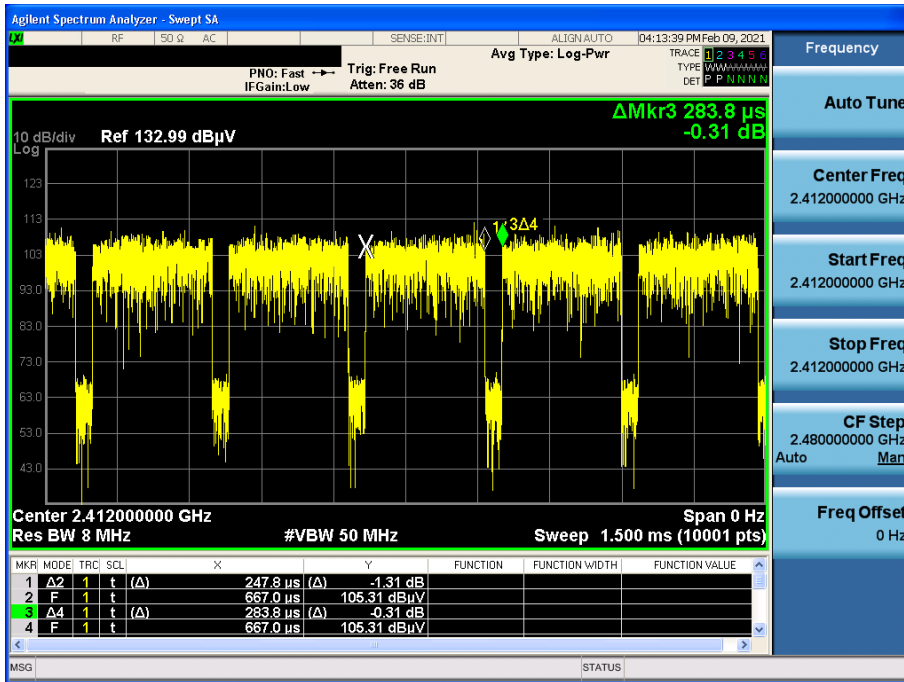
### Duty Cycle

TM 1 & 2 437 MHz



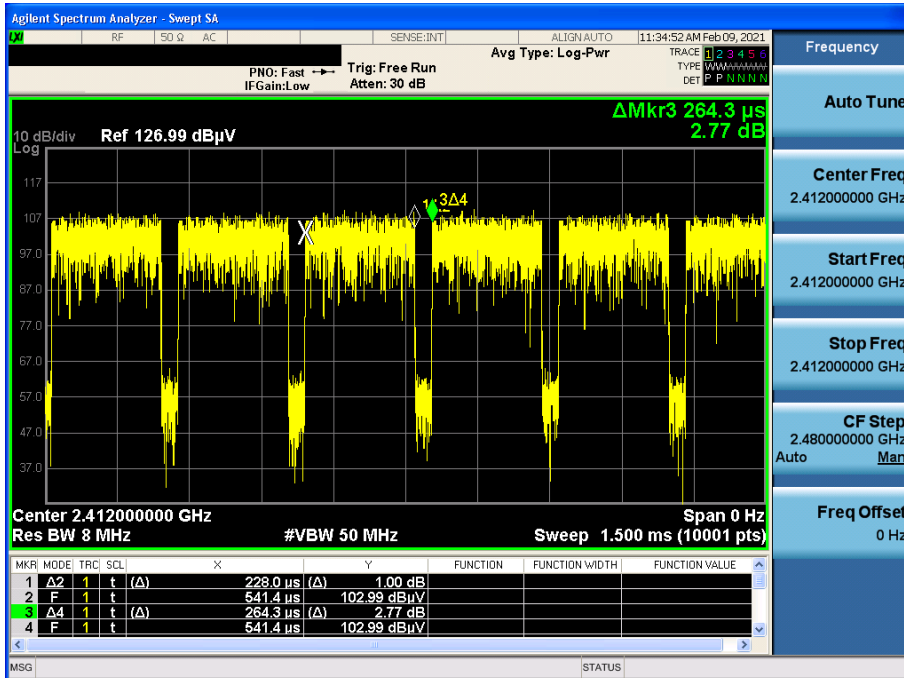
Duty Cycle

TM 2 & 2 437 MHz



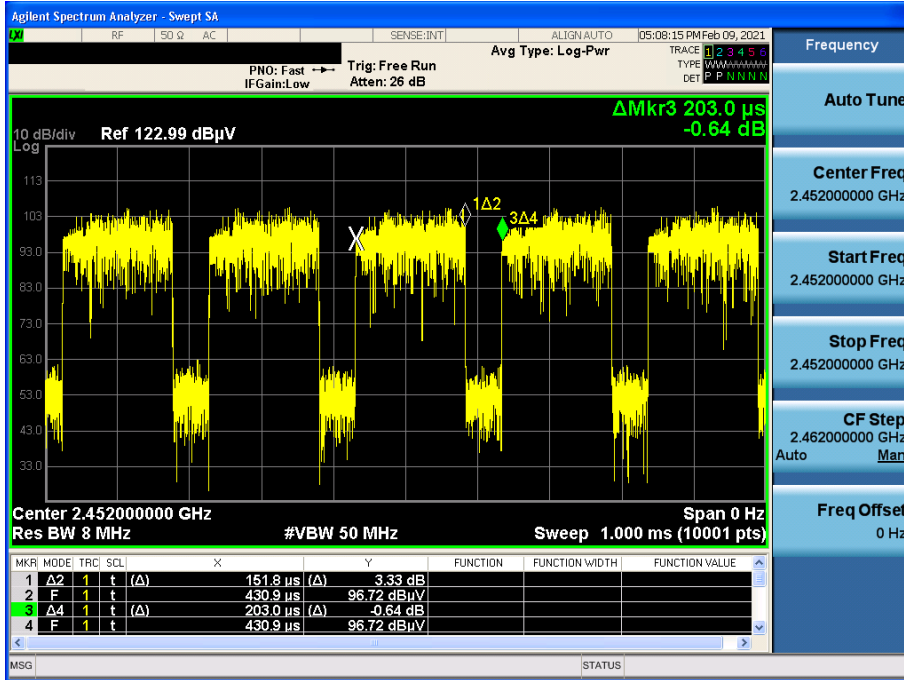
Duty Cycle

TM 3 & 2 437 MHz



Duty Cycle

TM 4 & 2 437 MHz

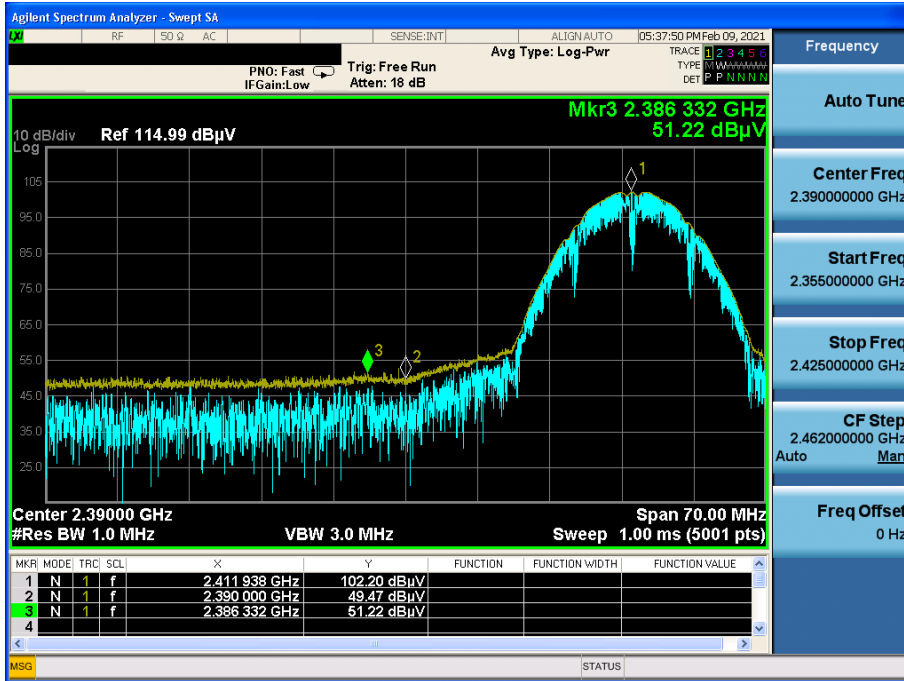


APPENDIX III

Unwanted Emissions (Radiated) Test Plot

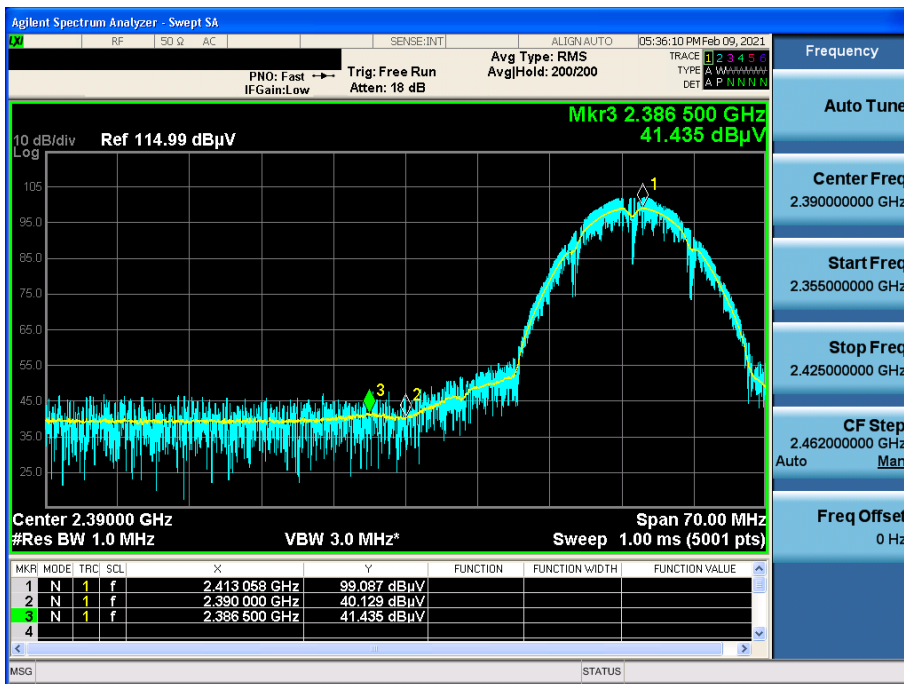
TM 1 & 2 412 & X axis & Hor

Detector Mode : PK



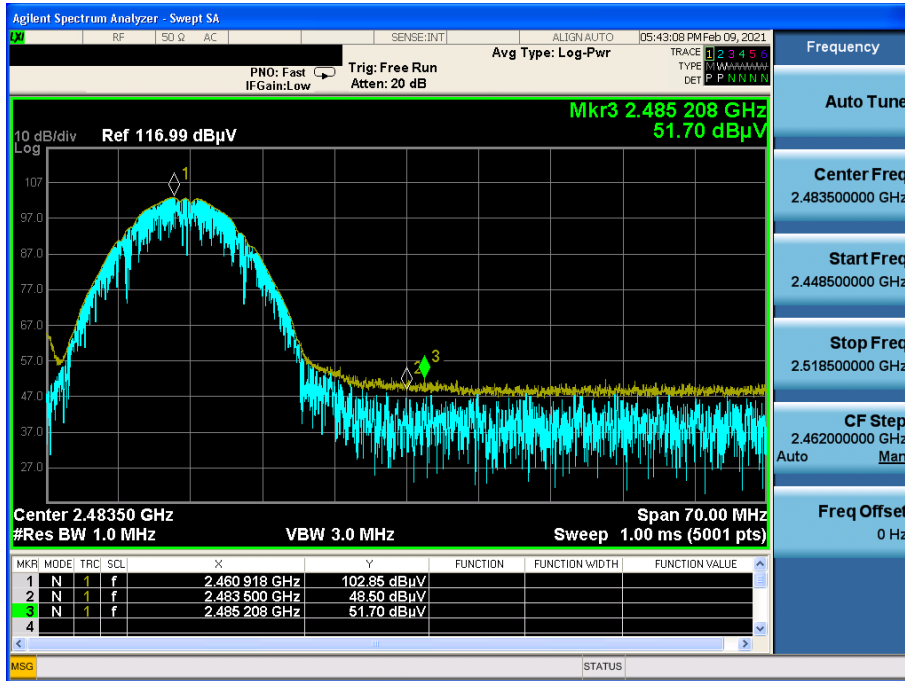
TM 1 & 2 412 & X axis & Hor

Detector Mode : AV



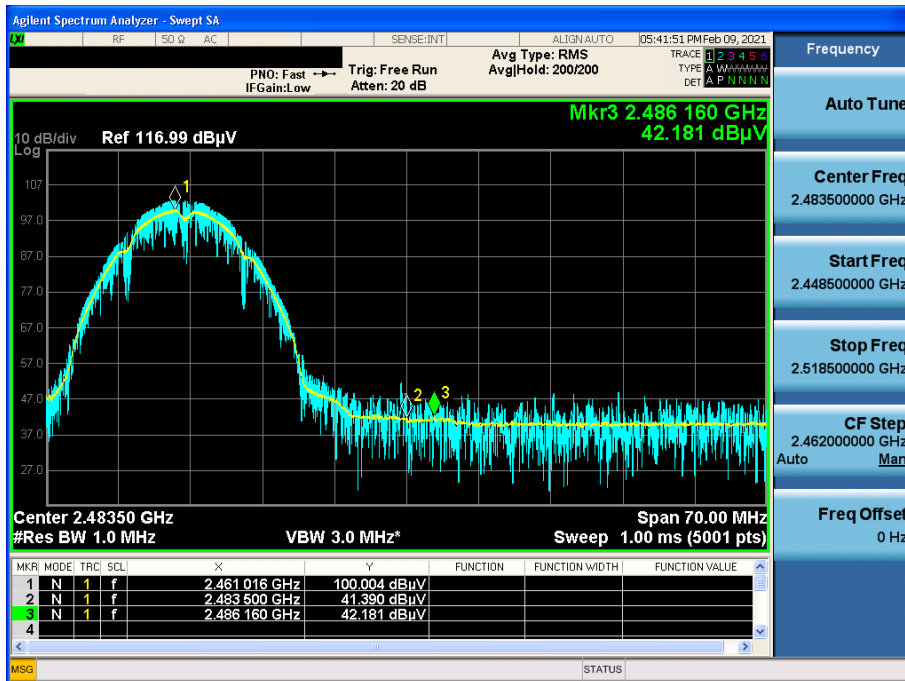
TM 1 & 2 462 & X axis & Hor

Detector Mode : PK



TM 1 & 2 462 & X axis & Hor

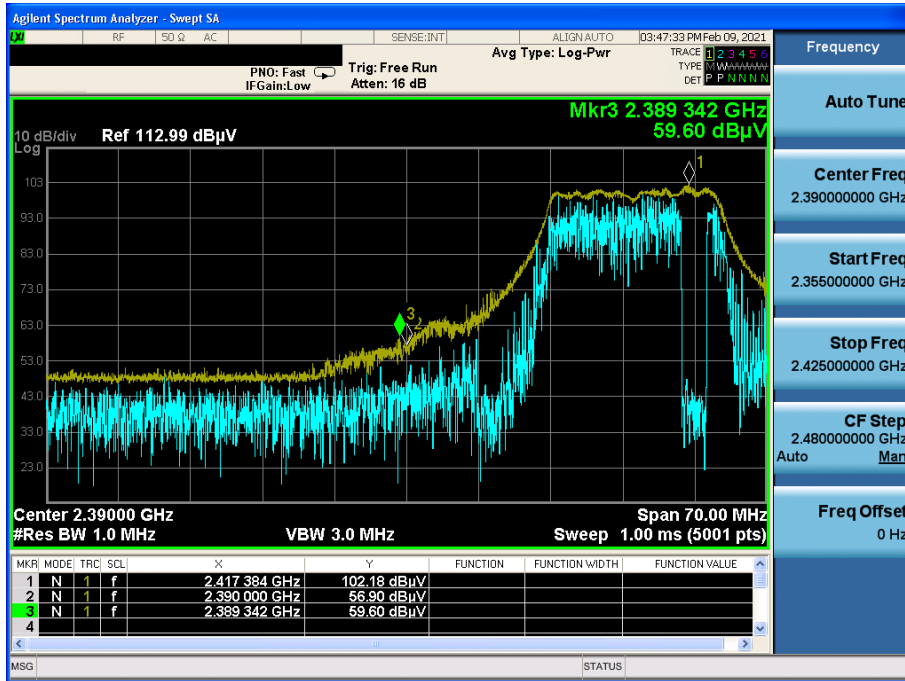
Detector Mode : AV





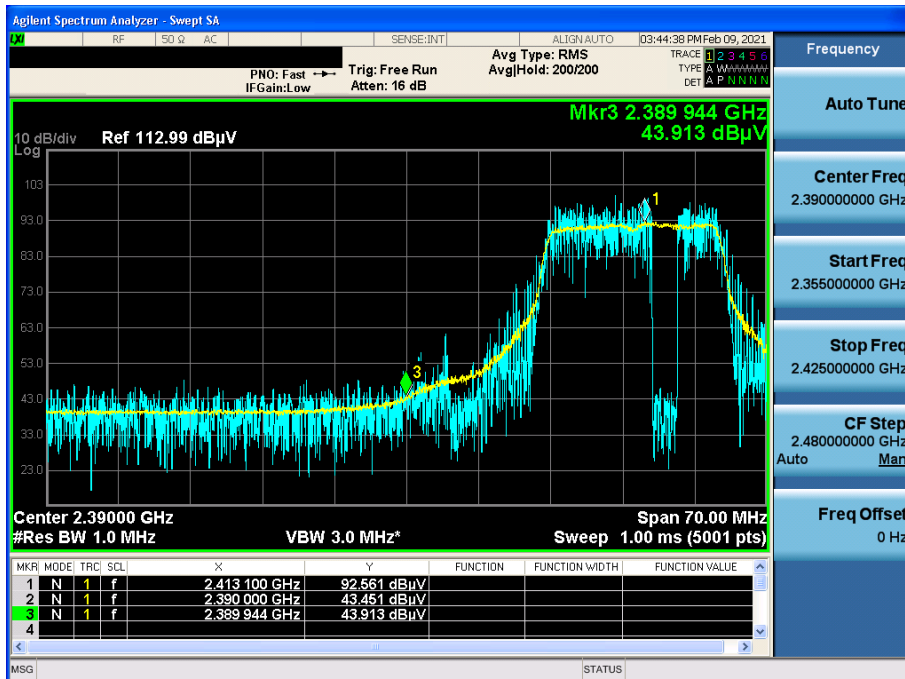
TM 2 & 2.412 & X axis & Hor

Detector Mode : PK



TM 2 & 2.412 & X axis & Hor

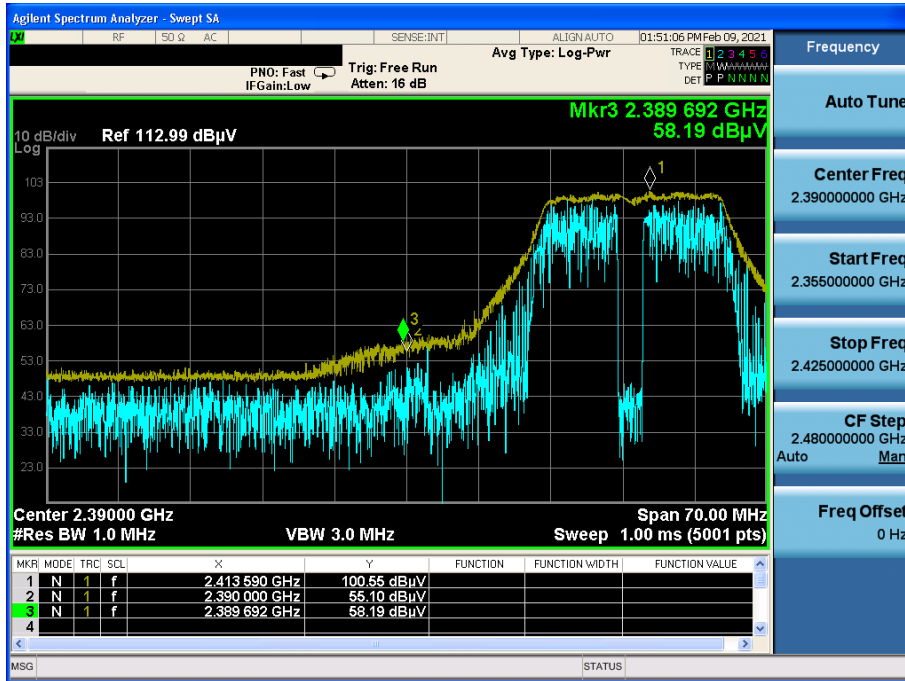
Detector Mode : AV





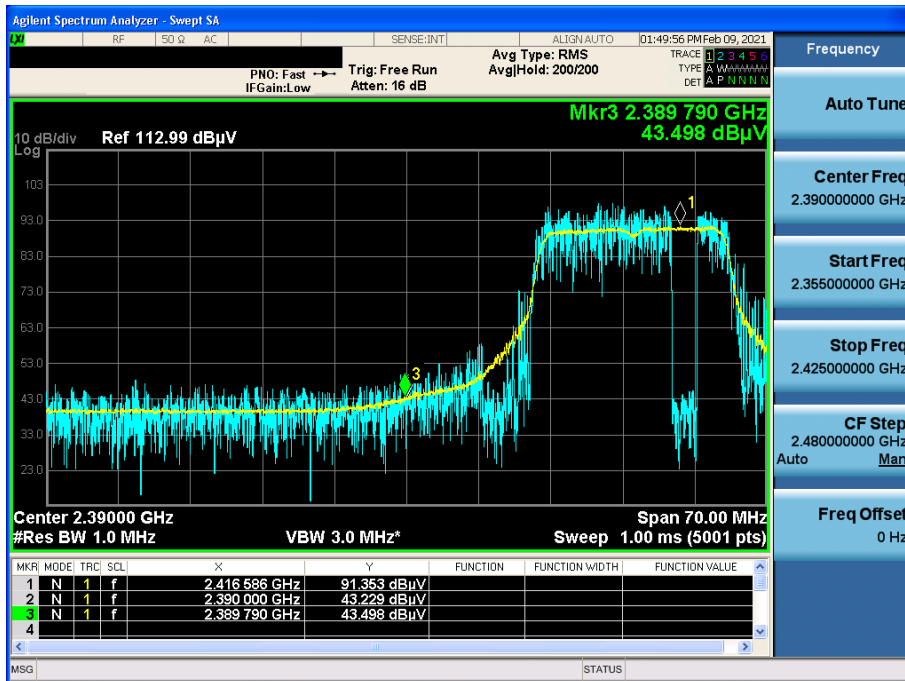
TM 3 & 2 412 & X axis & Hor

Detector Mode : PK



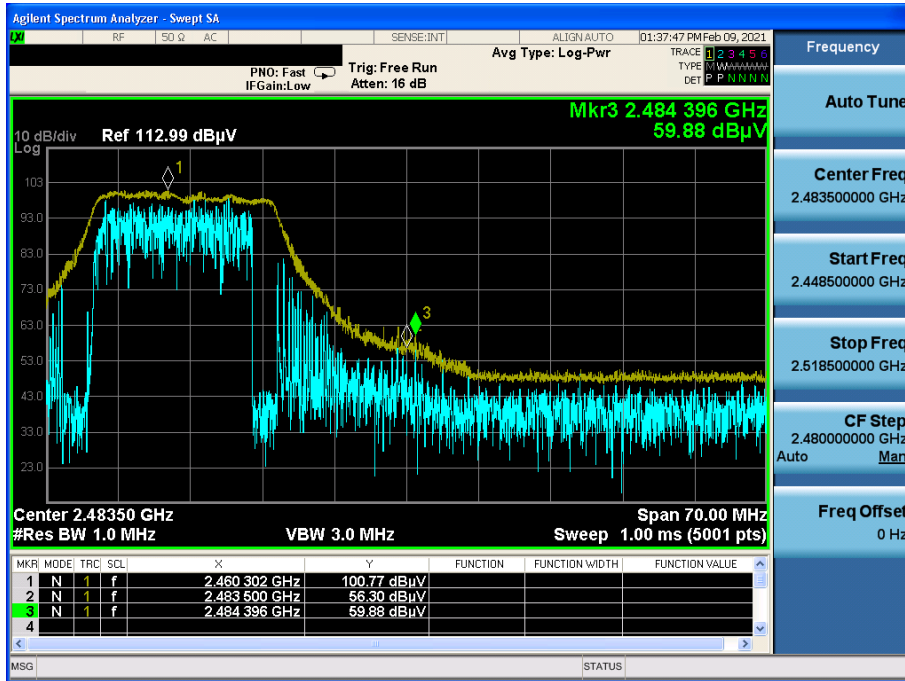
TM 3 & 2 412 & X axis & Hor

Detector Mode : AV



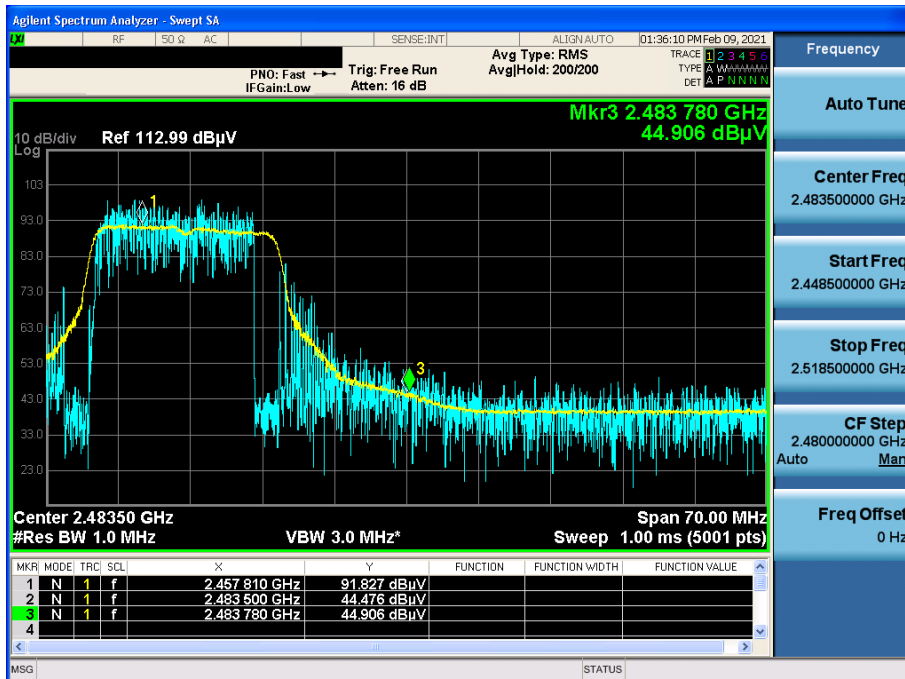
TM 3 & 2 462 & X axis & Hor

Detector Mode : PK



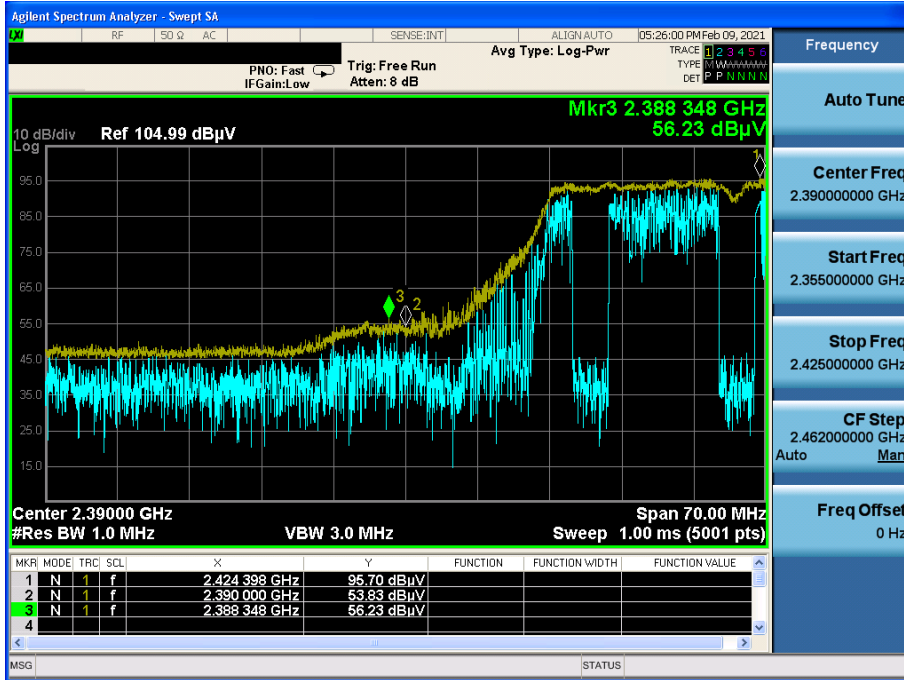
TM 3 & 2 462 & X axis & Hor

Detector Mode : AV



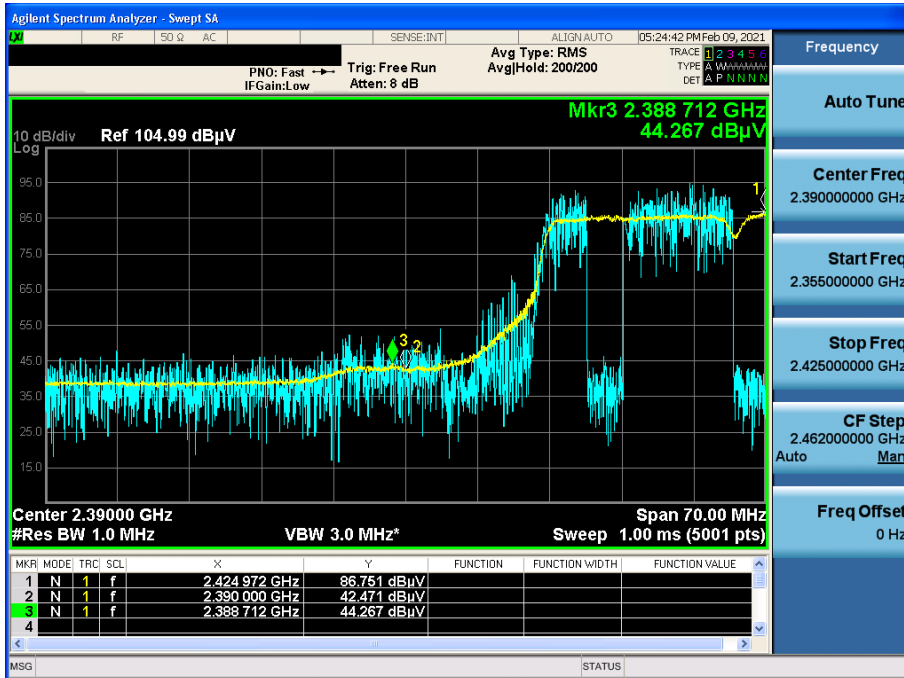
TM 4 & 2 422 & X axis & Hor

Detector Mode : PK



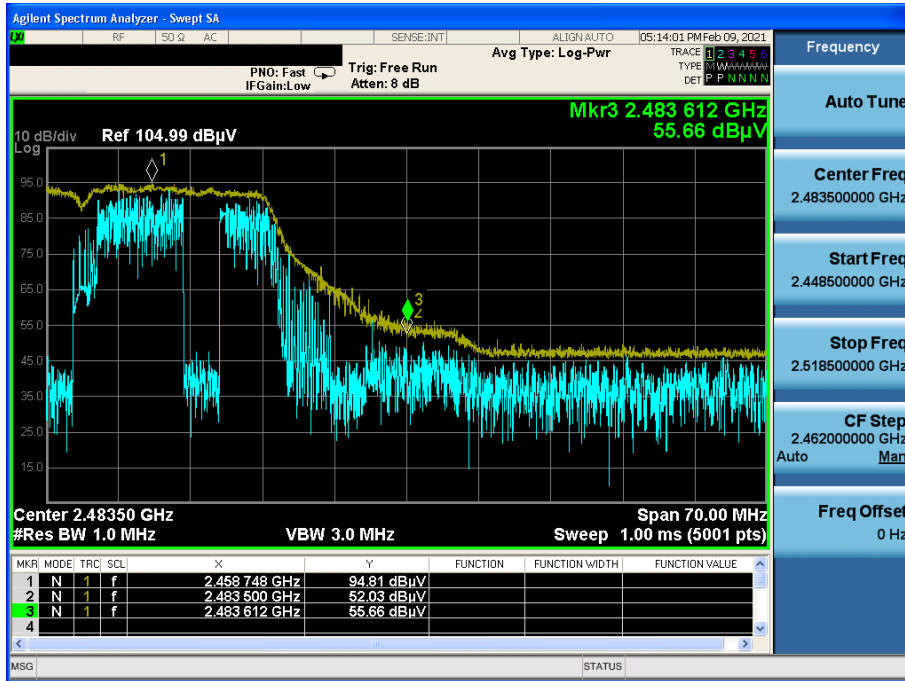
TM 4 & 2 422 & X axis & Hor

Detector Mode : AV



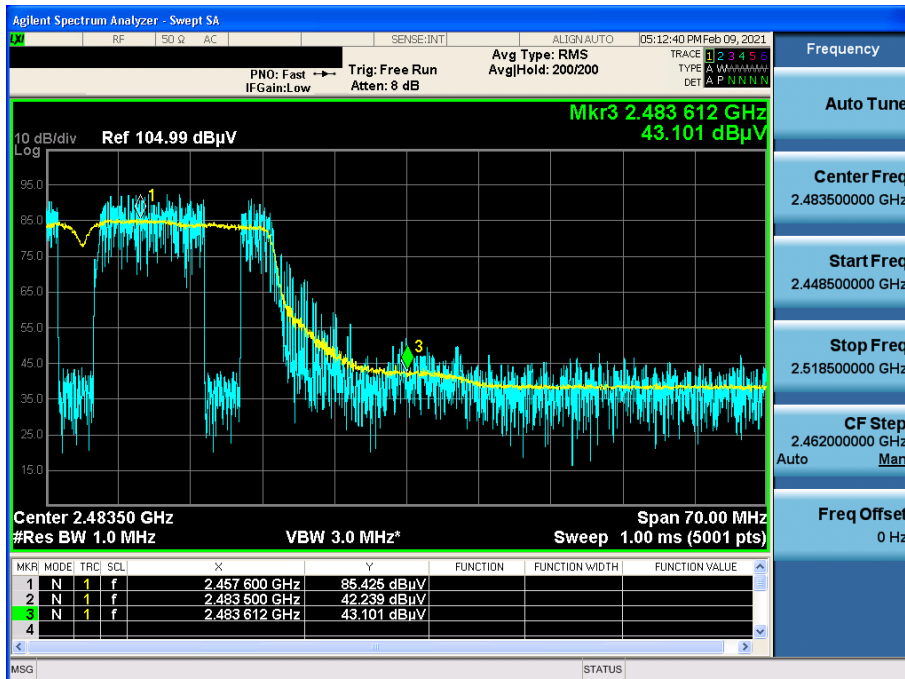
TM 4 & 2 452 & X axis & Hor

Detector Mode : PK



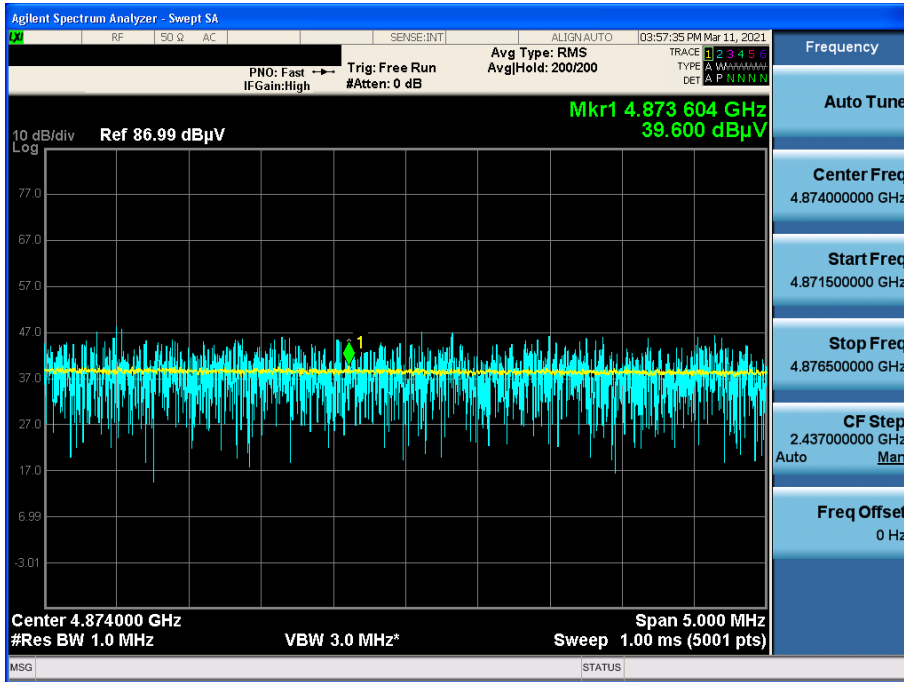
TM 4 & 2 452 & X axis & Hor

Detector Mode : AV



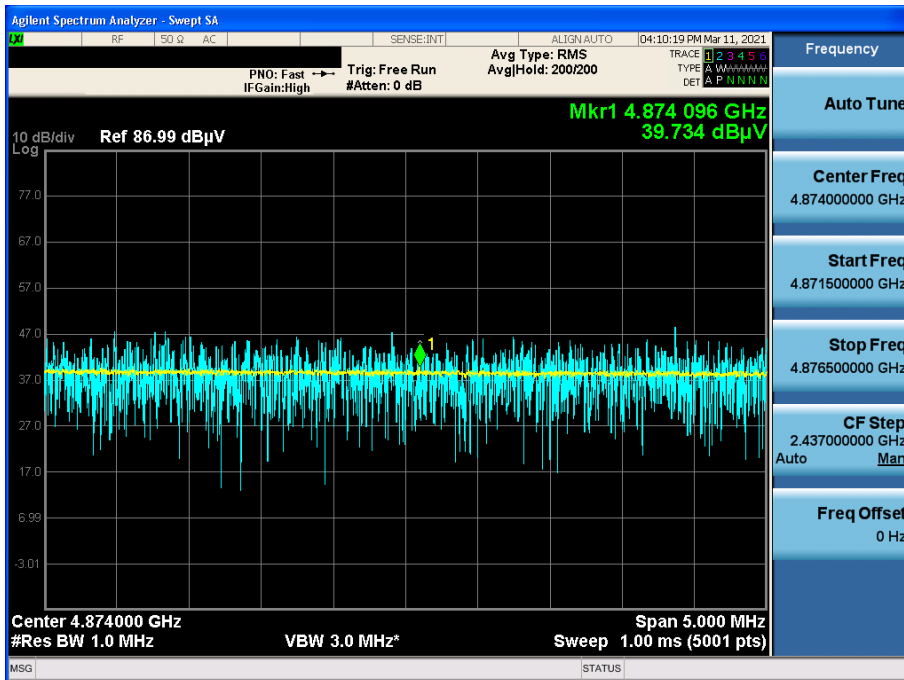
TM 1 & 2 437 & X axis & Hor

Detector Mode : AV



TM 2 & 2 437 & X axis & Hor

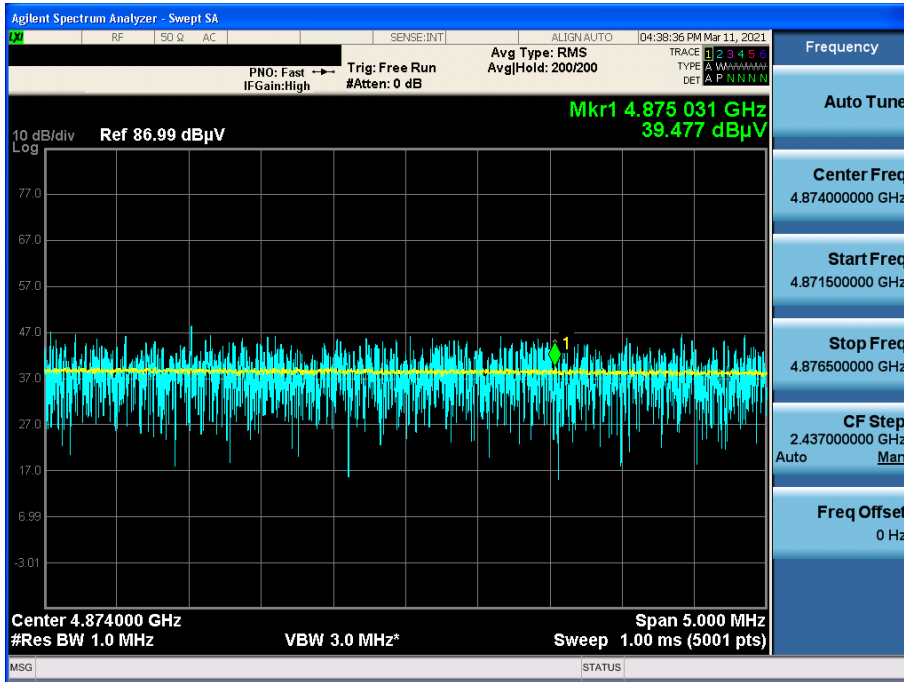
Detector Mode : AV





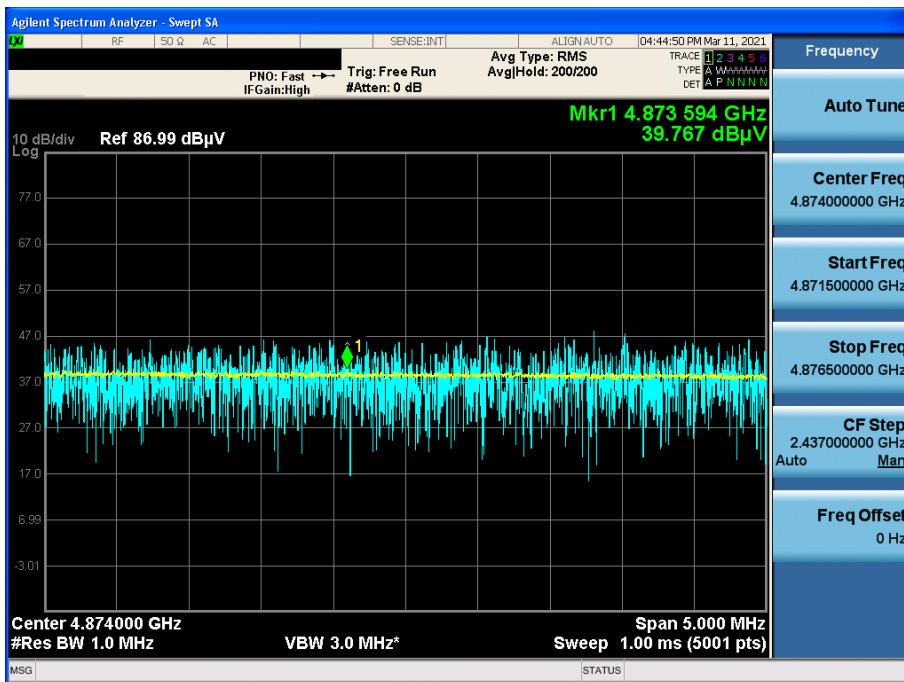
TM 3 & 2 437 & X axis & Hor

Detector Mode : AV



TM 4 & 2 437 & X axis & Hor

Detector Mode : AV

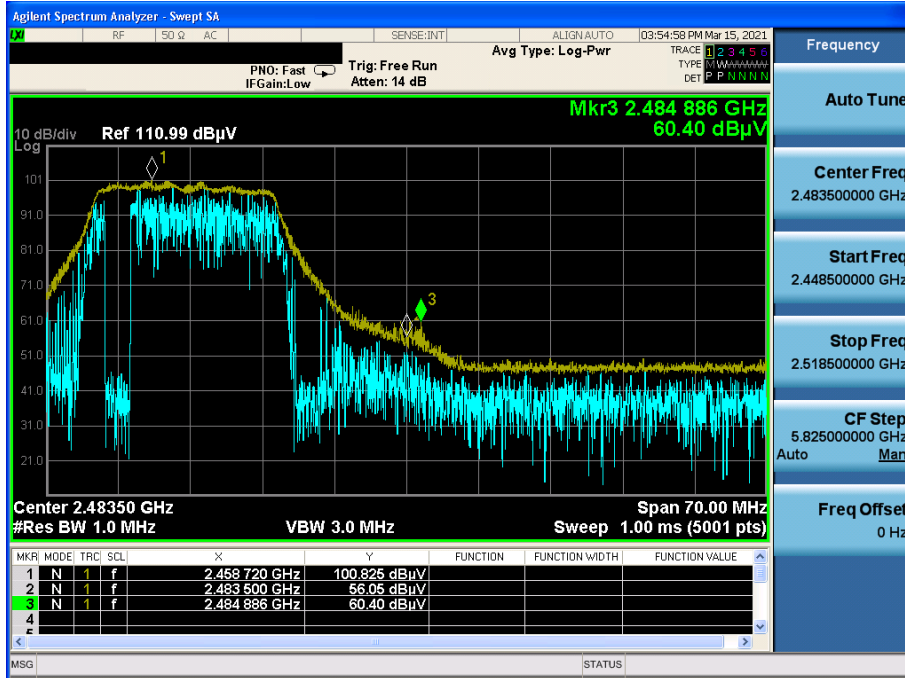




Unwanted Emissions (Radiated) Test Plot\_With Wireless Charging

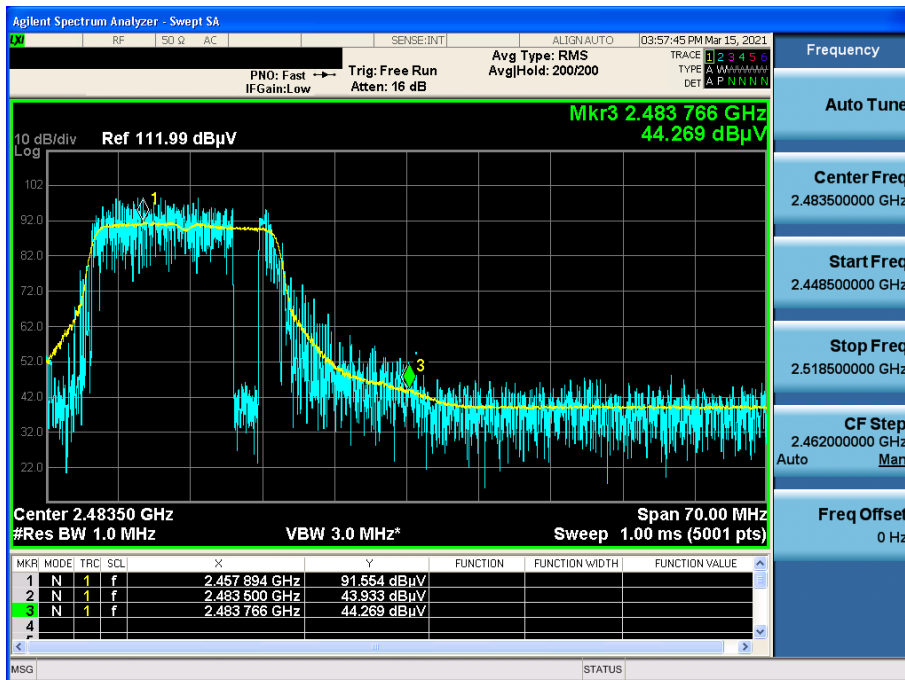
TM 3 & 2 462 & X axis & Hor

Detector Mode : PK



TM 3 & 2 462 & X axis & Hor

Detector Mode : AV



TM 3 & 2 462 & X axis & Hor

Detector Mode : AV

