

RF TEST REPORT

FCC ID: 2ABLK-GS2027E

Test Report No.....: RF260708002-01-001

Product(s) Name.....: GigaSpire BLAST

Model(s).....: 7u4 GS2027E

Trade Mark.....: 

Applicant.....: Calix Inc.

Address.....: 1 Santana West 3155 Olsen Drive, Suite 450, San Jose, CA 95117 United States

Receipt Date.....: 2026.04.14

Test Date.....: 2026.04.14~2026.07.16

Issued Date.....: 2026.08.05

Standards.....: 47 CFR FCC Part 15, Subpart E(Section 15.407);
ANSI C63.10:2020

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

Prepared By:	Checked By:	Approved By:	
Jason Huang	Black Ding	Tim Zhang	
<i>Jason Huang</i>	<i>Black Ding</i>	<i>Tim Zhang</i>	

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History of this test report

Original Report Issue Date: 2026.06.12

- No additional attachment
- Additional attachments were issued following record

Attachment No.	Issue Date	Description
RF260414004-01-004	2026.06.12	Original version including 5150-5250MHz and 5725-585MHz.
RF260708002-01-001	2026.08.05	Base on original version(RF260414004-01-004),the change list as below: 1. Adding 160MHz and 240MHz and retest related items. 2. Adding 5250-5350MHz, 5470-5725MHz and retest related items.

1. General Information

1.1 Applicant

Calix Inc.

1 Santana West 3155 Olsen Drive, Suite 450, San Jose, CA 95117 United States

1.2 Manufacturer

Calix Inc.

1 Santana West 3155 Olsen Drive, Suite 450, San Jose, CA 95117 United States

1.3 Basic Description of Equipment Under Test

Sample No.	POC260708002-S001	
Product Name	GigaSpire BLAST	
Model Name	7u4 GS2027E	
Model difference	/	
Trade Mark	Calix	
Power Supply	DC 12V from adapter	
Adapter1 Information	AMS200A-1202000FU-3 Input:100-240V~50/60Hz 0.8A Max Output:12V/2.0A	
Adapter2 Information	MS-V2000R120-024Q0-US Input:100-240V~50/60Hz 0.7A Max Output:12V/2.0A	
Operating Temperature	0°C-45°C	
EUT Stage	○ Product Unit	● Final-Sample
Operating Band & Max Conducted Output Power	5150MHz ~5250MHz	802.11BE160: 21.73dBm(0.149W)
	5250MHz ~5350MHz	802.11BE80: 23.33dBm(0.215W)
	5470MHz ~5725MHz	802.11BE160: 23.21dBm(0.209W)
	5725MHz ~5850MHz	802.11BE20: 13.47dBm(0.020W)
Product Type	IEEE 802.11a/n/ac/ax/be: WLAN (MIMO)	
Nominal Bandwidth	20MHz / 40MHz / 80MHz / 160MHz / 240MHz	
Modulation	OFDM, OFDMA	
Antenna gain	Ant0: 4.3dBi, Ant1: 3.4dBi	
Directional gain (No beamforming)	6.5dBi(from the antenna report)	
Directional gain (Beamforming)	6.5dBi(from the antenna report)	
Antenna type	PCB Antenna	
Data Rate (Mbps)	IEEE 802.11a mode : 6/9/12/18/24/36/48/54 IEEE 802.11n mode : up to 300 IEEE 802.11ac mode : up to 1733.33 IEEE 802.11ax mode : up to 2401.96 IEEE 802.11be mode : up to 4323.53	

Type of Device	Master device (Indoor AP for 5150MHz~5250MHz)	
DFS Function	•	5250MHz ~5350MHz
(Master devices for AP Client devices for Extender)	•	5470MHz ~5725MHz

Channel Information			
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	802.11a /n /ac /ax /be (20MHz)	5180-5240	36-48
5250-5350		5260-5320	52-64
5470-5725		5500-5720	100-144
5725-5850		5745-5825	149-165
5150-5250	802.11n /ac /ax /be (40MHz)	5190-5230	38-46
5250-5350		5270-5310	54-62
5470-5725		5510-5710	102-142
5725-5850		5755-5795	151-159
5150-5250	802.11ac /ax /be (80MHz)	5210	42
5250-5350		5290	58
5470-5725		5530-5690	106-138
5725-5850		5775	155
5150-5350	802.11 ac /ax /be (160MHz)	5250	50
5470-5725		5570	114
5470-5725	802.11 be (240MHz)	5650	130

Note: For 802.11be mode support full RU/MRU mode.

1.4 Transmit Operating Mode

Transmit Operating Mode					Transmit Multiple Antennas			
☐ Operating mode 1 (single antenna)					☐ 1TX			
☐ Operating mode 2 (multiple antenna, no beam forming)					☐ 2TX	☐ 3TX	☐	4TX
☒ Operating mode 3 (multiple antenna, with beam forming)					☒ 2TX	☐ 3TX	☐	4TX
☒ 802.11a	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11n(20MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11n(40MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11ac(20MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11ac(40MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11ac(80MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11ac(160MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11ax(20MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11ax(40MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11ax(80MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11ax(160MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11be(20MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11be(40MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11be(80MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11be(160MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		
☒ 802.11be(240MHz)	Operating mode	☐ 1TX	☐ 2TX		☒ 2TX	☐ 4TX		

Beamforming gain: 6.5dB

2. Summary of Test Results

2.1 Summary of Test Items

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Test item	Standard	Results	Remarks
AC Power Conducted Emission	15.207 15.407(b)	Pass	Meet the requirement of the limit
Radiated Emission	15.205(a) 15.209(a) 15.407(b)	Pass	Meet the requirement of the limit
Antenna Requirements	15.203	Compliance	Note
Spectrum Bandwidth	15.407(a) 15.407(e)	Pass	Meet the requirement of the limit
Conducted Output Power	15.407(a)	Pass	Meet the requirement of the limit
Power Spectral Density	15.407(a)	Pass	Meet the requirement of the limit
Dynamic Frequency Selection (DFS)	15.407(h)	NA	NA
Note: The EUT has 2 PCB antennas arrangement which was permanently attached.			

Note:

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX BE20 Mode Channel 100 is found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, the spurious points of 1GHz~18GHz and 18GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (3) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (4) For radiated emission, pre-scan beamforming mode and non-beamforming mode, worst case for non-beamforming mode is recorded.
- (5) For 802.11be mode support full RU/MRU mode.
- (6) Due to similar modulation. The power settings of HT20/HT40,VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80, EHT20/EHT40/EHT80. Evaluated HEW20/HEW40/HEW80, EHT20/EHT40/EHT80 mode only.

2.2 Application of Standard

47 CFR FCC Part 15, Subpart E

KDB 662911 D01 Multiple Transmitter Output v02r01

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

ANSI C63.10:2020

2.3 Test Instruments

Radiated Emission							
No.	Equipment	Manufacturer	Model Number	Serial Number	Inventory No.	Last Calibration	Due Calibration
1	Test receiver	Rohde&Schwarz	ESU	100184	JLE011	2026/2/27	2027/2/26
2	Log periodic antenna	Schwarzbeck	VULB 9168	1151	JLE012	2025/4/12	2028/4/11
3	Low frequency amplifier	/	LNA 0920N	2014	JLE023	2026/2/27	2027/2/26
4	High frequency amplifier	Schwarzbeck	BBV 9718	9718-284	JLE024	2026/2/27	2027/2/26
5	Horn Antenna	Schwarzbeck	BBHA 9120 D	02670	JLE028	2025/4/12	2028/4/11
6	Temp&Humidity Recorder	Meideshi	JR900	/	JLE021	2026/4/8	2027/4/7
7	Horn Antenna	Schwarzbeck	BBHA 9170	9170#685	JLE029	2024/7/15	2027/7/14
8	Loop Antenna	Schwarzbeck	FMZB1519B	00029	JLE030	2024/7/15	2027/7/14
9	Broadband preamplifier	Schwarzbeck	BBV9721	9721-019	JLE025	2026/2/27	2027/2/26
10	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				
Conducted Emission							
1	LISN	Rohde&Schwarz	ENV216	100075	JLE002	2026/2/27	2027/2/26
2	ISN	Schwarzbeck	CATE 5 8158	#171	JLE003	2026/2/27	2027/2/26
3	ISN	Schwarzbeck	CAT 3 8158	00187	JLE032	2026/2/27	2027/2/26
4	Test receiver	Rohde&Schwarz	ESCI	100718	JLE010	2026/2/27	2027/2/26
5	Pulse limiter	Rohde&Schwarz	ESH3-Z2	102299	JLE047	2026/2/27	2027/2/26
6	Temp&Humidity Recorder	Meideshi	JR900	/	JLE020	2026/4/8	2027/4/7
7	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				
RF Conducted Emissions							
1	MXA Signal Analyzer	Keysight	N9010A	MY51440158	JLE087	2025/9/15	2026/9/14
2	MXA Signal	Agilent	N9020A	MY522200	JLE090	2026/1/19	2027/1/18

	Analyzer			22			
3	RF Control Unit	dsusoft	JS0806-2	21G8060449	JLE053	2026/2/27	2027/2/26
4	power supply unit	dsusoft	JS0806-4ADC	N/A	JLE055	2026/2/27	2027/2/26
5	VXG Signal Generator	Keysight	M9384B	MY61270787	JLE051	2025/6/10	2026/6/9
6	EXG Analog Signal Generator	Keysight	N5173B	MY59101282	JLE052	2026/2/27	2027/2/26
7	Wideband Radio Communication Tester	Rohde&Schwarz	CMW500	1201.0002 K50-11606 4-Dt	JLE054	2026/2/27	2027/2/26
8	Test software	dsusoft	JS1120-3 Ver.3.2.22.0				

Operation Mode

The EUT was supplied by and it was run in TX mode that was controlled by Master provided RF testing program. The worst case test result was showed in the report.

2.4 Test Condition

Test Item	Environmental conditions	Input Power	Tested by
AC Power Conducted Emission	23.2°C, 49% RH	AC 120V/60Hz	Keith Huang
Radiated Emission	23.1°C, 51% RH	AC 120V/60Hz	Keith Huang
Spectrum Bandwidth	23.6°C, 53% RH	DC 12V	Lemon He
Conducted Power	23.6°C, 53% RH	DC 12V	Lemon He
Power Spectral Density	23.6°C, 53% RH	DC 12V	Lemon He

Note: Adapter supply voltage AC 120V/60Hz.

The applicant declares the operating environment of EUT as below:

Normal conditions: 12V DC, 0~45°C

2.5 Duty Cycle of Test Signal

If duty cycle is $\geq 98\%$, duty factor is not required.

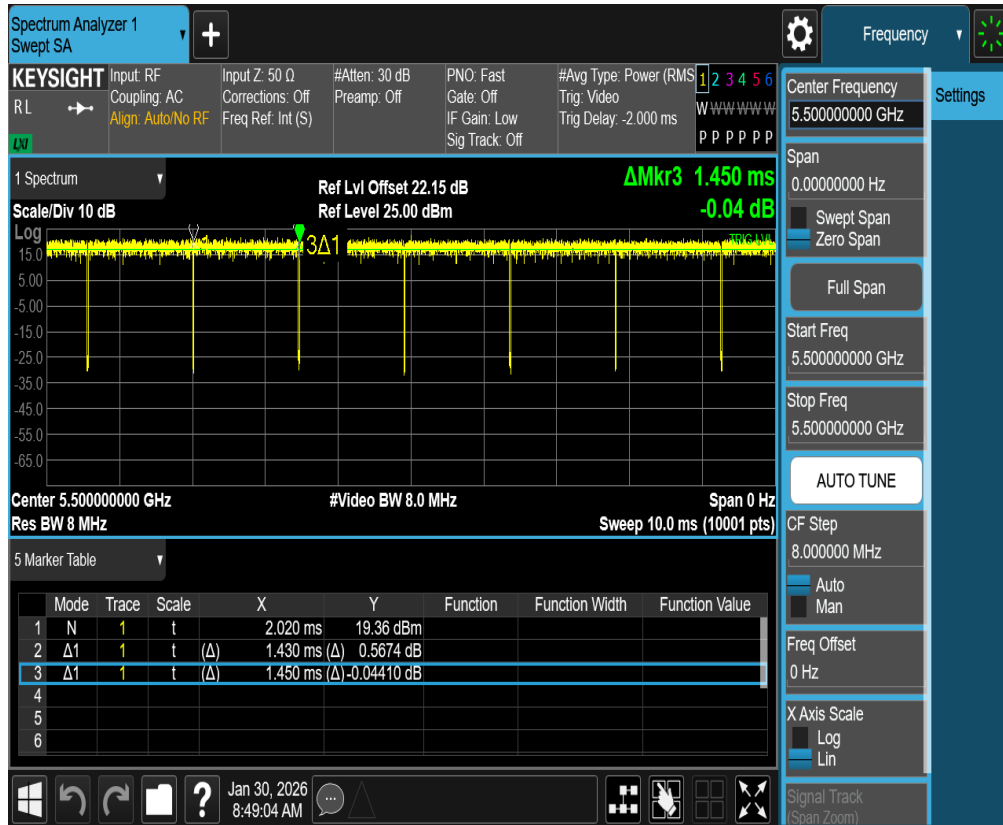
If duty cycle is $< 98\%$, duty factor shall be considered.

All the duty factor of other test mode has been considered.

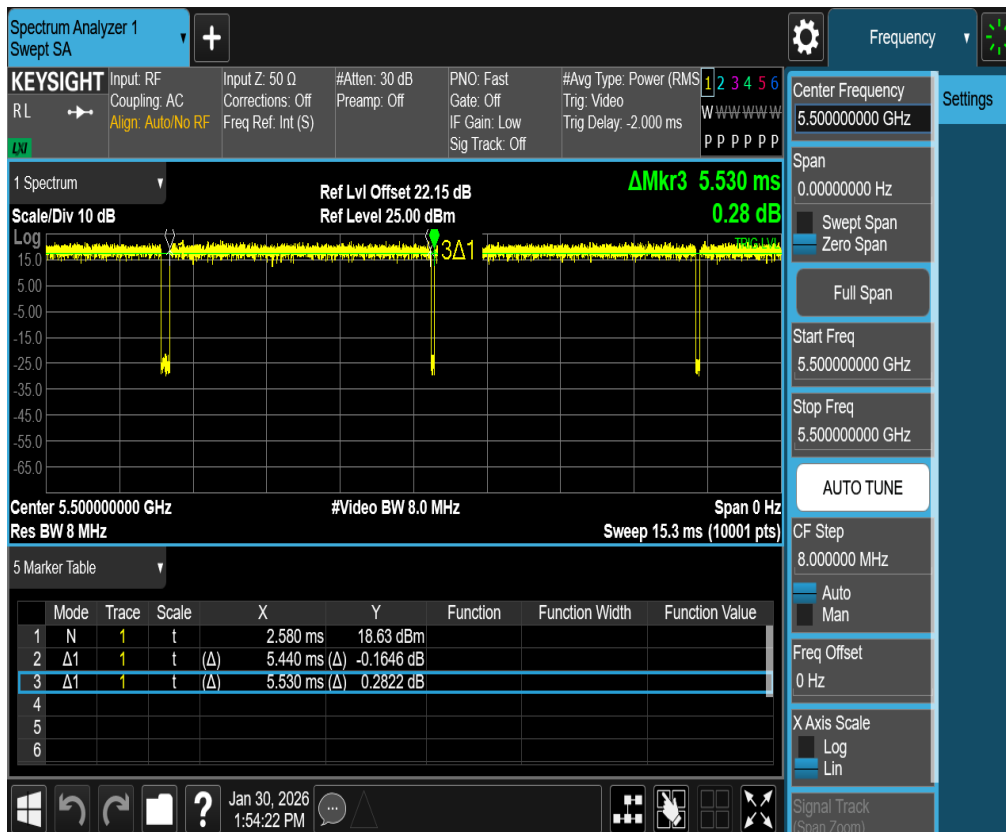
Test Mode	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A-CDD	5500	1.43	1.45	98.62
11AX20MIMO	5500	5.44	5.53	98.37
11AX40MIMO	5510	5.45	5.53	98.55
11AX80MIMO	5530	5.45	5.57	97.85
11AX160MIMO	5250	5.44	5.59	97.32
11BE20MIMO	5500	5.45	5.59	97.50
11BE40MIMO	5510	5.45	5.59	97.50
11BE80MIMO	5530	5.45	5.51	98.91
11BE160MIMO	5250	5.45	5.54	98.38
11BE240MIMO	5650	5.46	5.60	97.50

Test Graphs

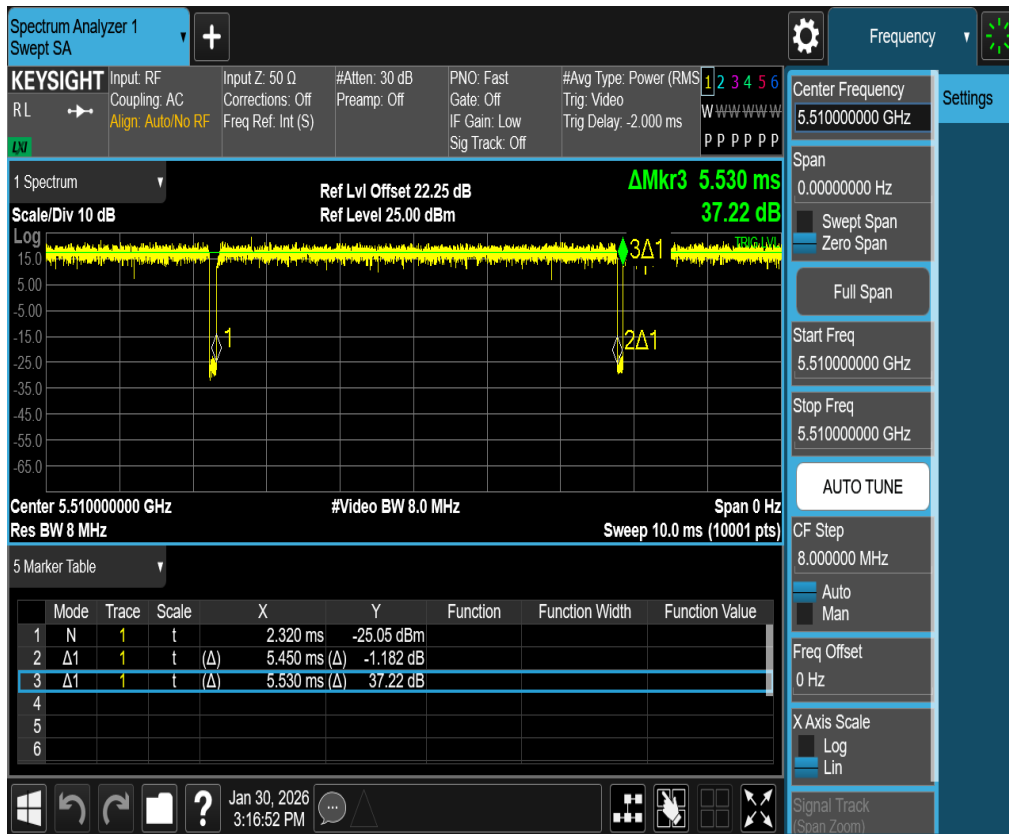
11A-CDD_Ant0_5500



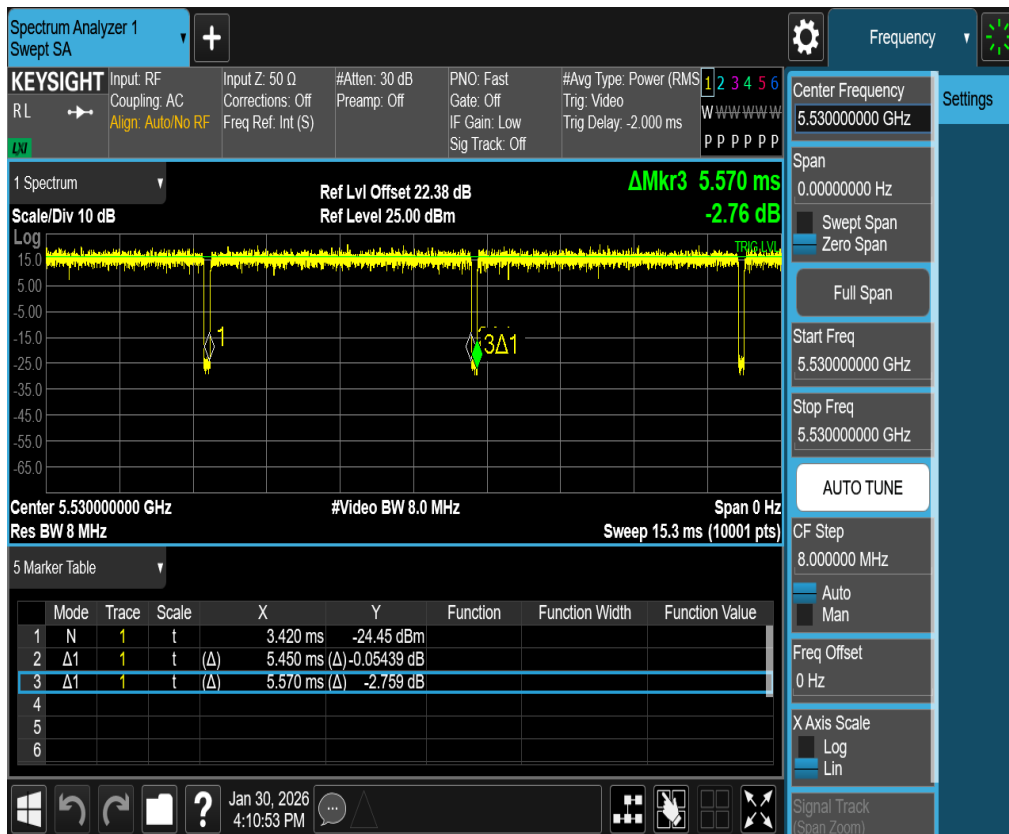
11AX20MIMO_Ant0_5500



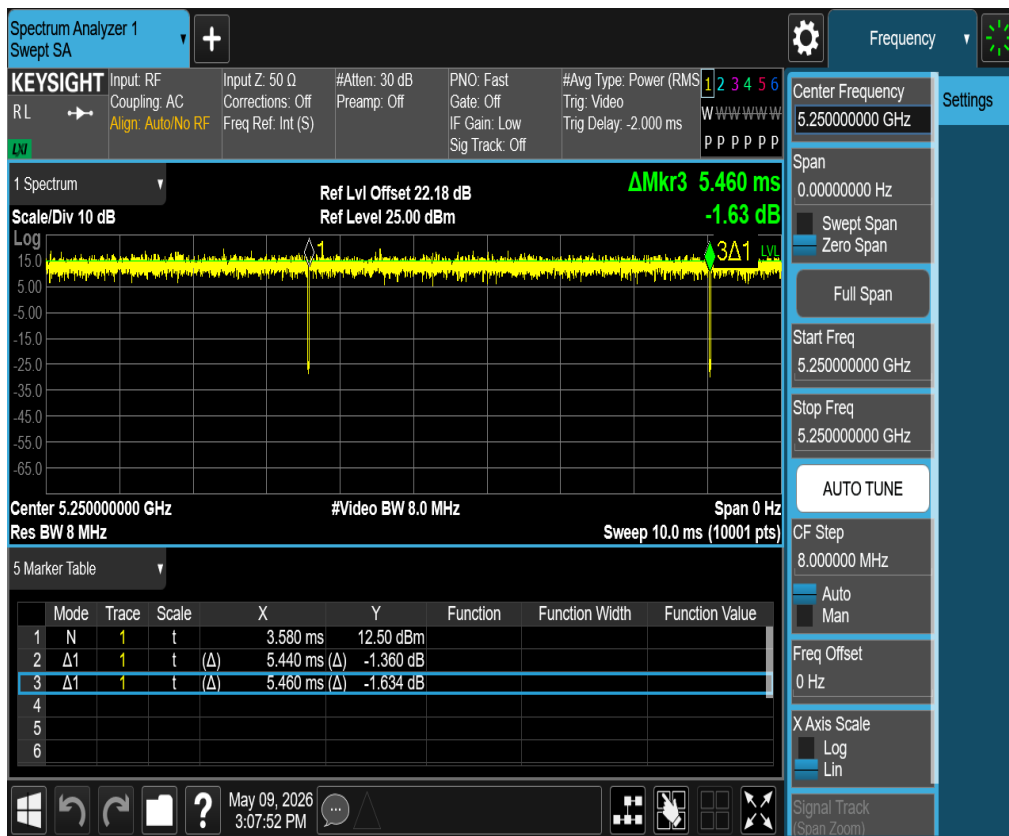
11AX40MIMO_Ant0_5510



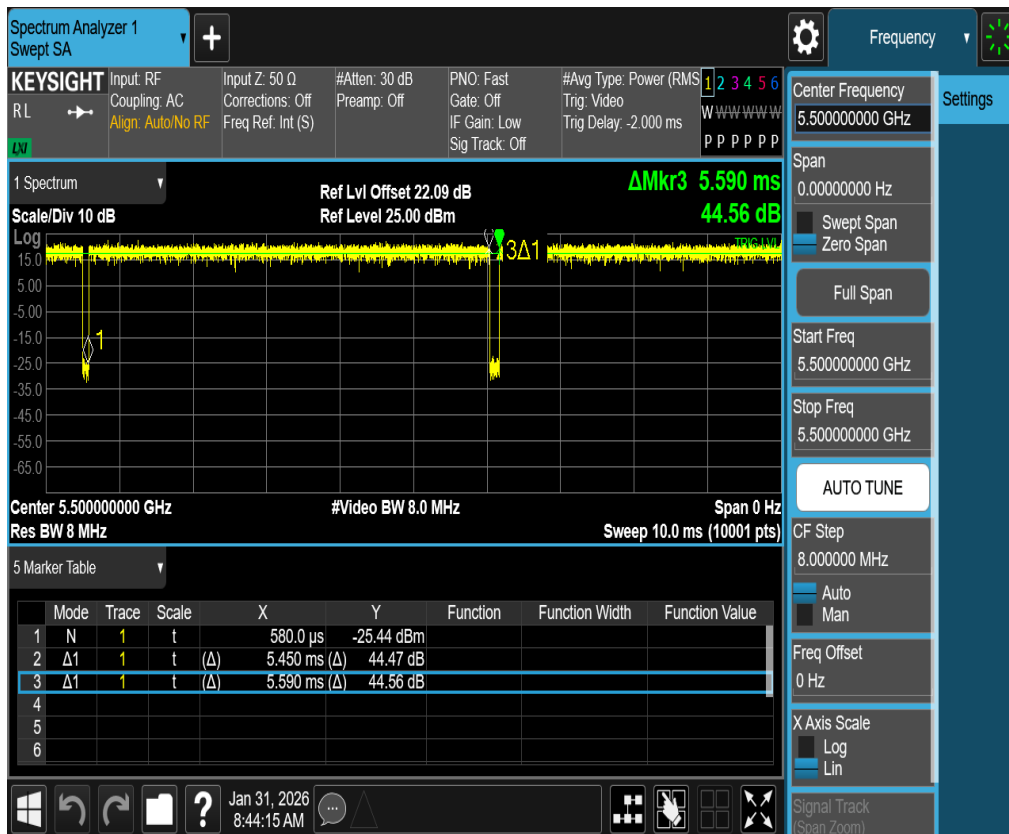
11AX80MIMO_Ant0_5530



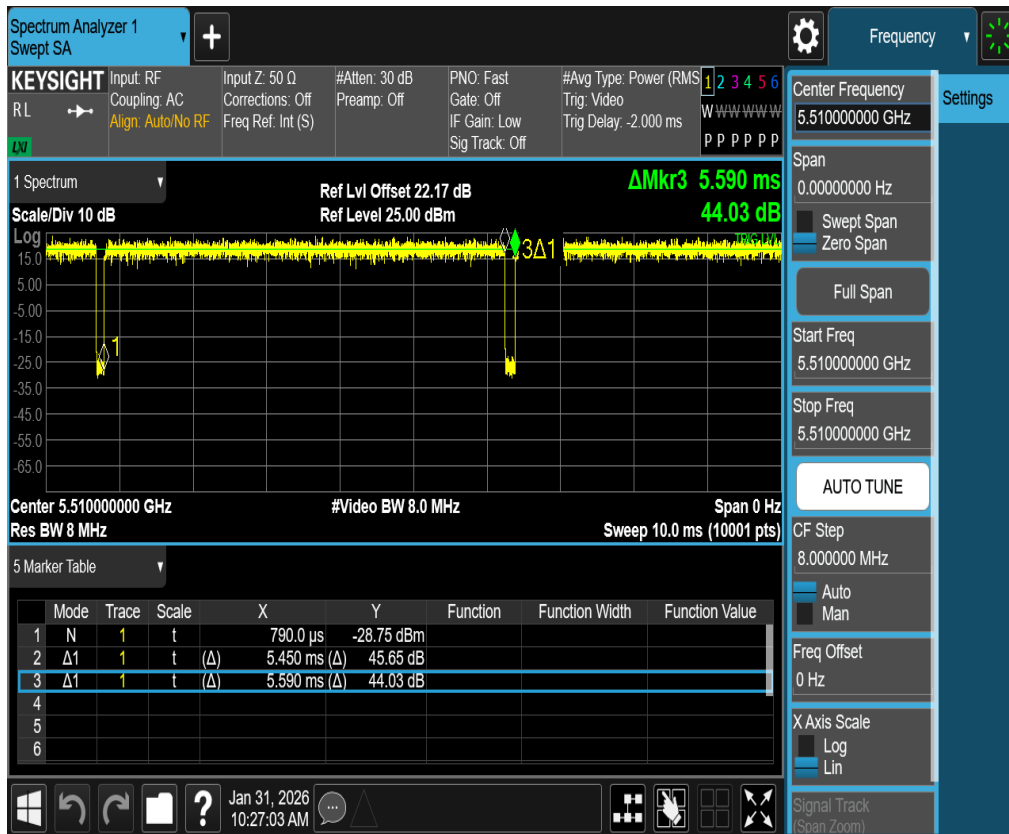
11AX160MIMO_Ant0_5250



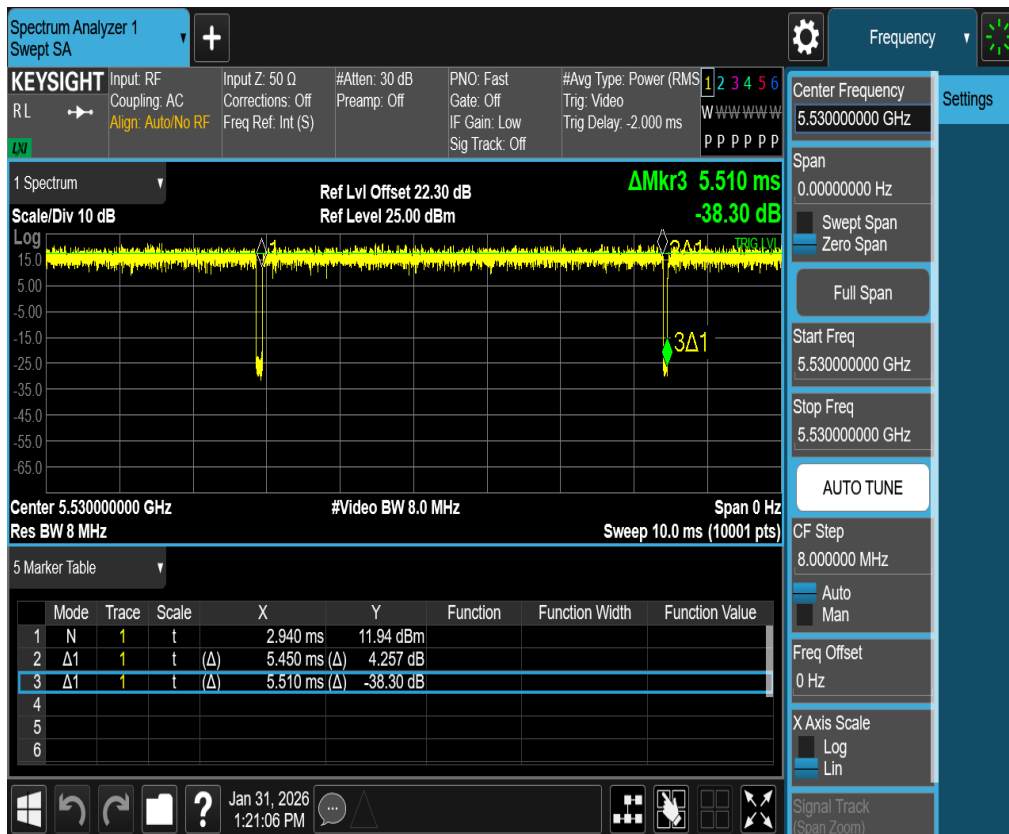
11BE20MIMO_Ant0_5500



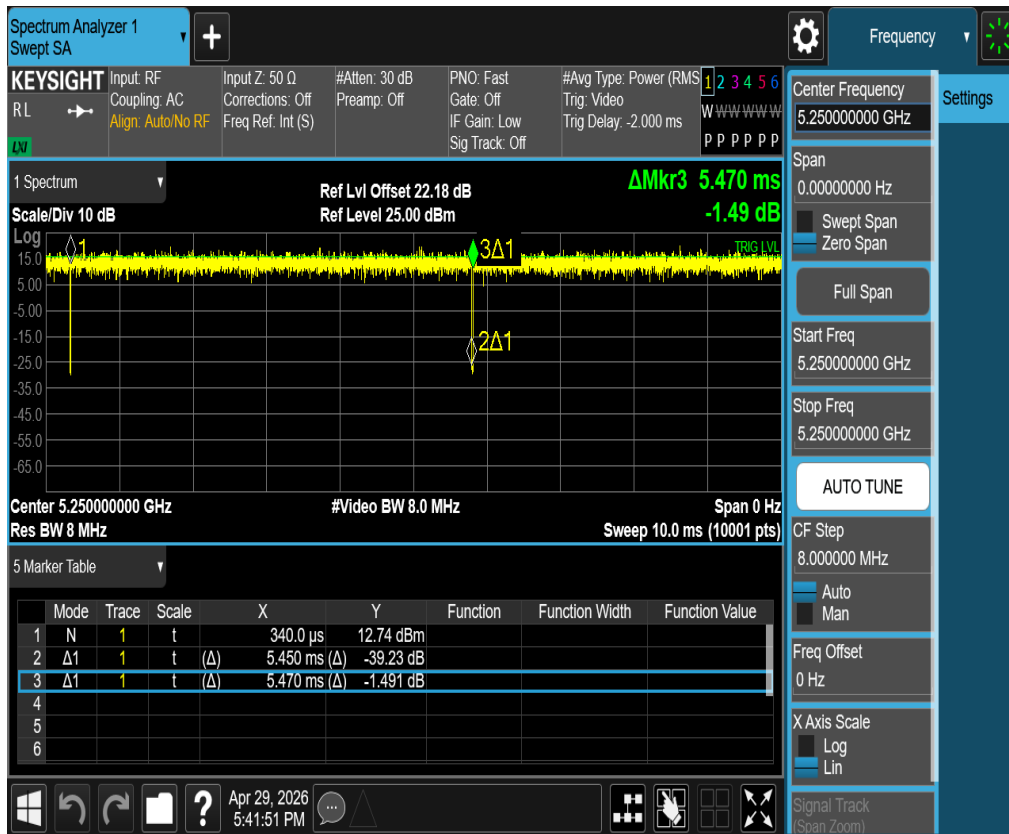
11BE40MIMO_Ant0_5510



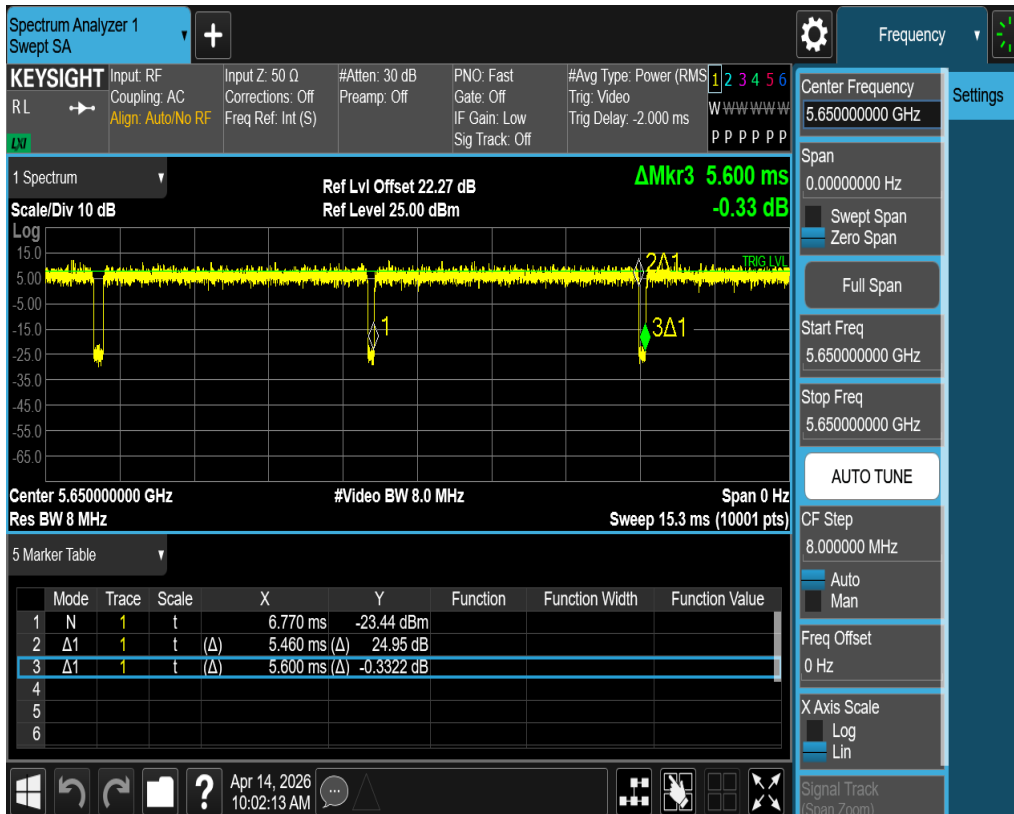
11BE80MIMO_Ant0_5530



11BE160MIMO_Ant0_5250



11BE240MIMO_Ant0_5650



2.6 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Uncertainty	
Parameter	Uncertainty
Occupied Channel Bandwidth	$\pm 102\text{kHz}$
RF power conducted	$\pm 0.243\text{dB}$
Power Spectral Density	$\pm 0.743\text{dB}$
Conducted Spurious Emission	$\pm 1.328\text{dB}$
Conducted emission(9kHz~30MHz) AC main	$\pm 2.68\text{dB}$
Radiated emission(9kHz~30MHz)	$\pm 3.50\text{dB}$
Radiated emission (30MHz~1GHz)	$\pm 4.20\text{dB}$
Radiated emission (1GHz~18GHz)	$\pm 5.10\text{dB}$
Radiated emission (18GHz~40GHz)	$\pm 5.26\text{dB}$

2.7 Test Location

Company:	Shenzhen Haiyun Standard Technical Co., Ltd.
Address:	No. 110-113, 115, 116, Block B, Jinyuan Business Building, Bao'an District, Shenzhen, China
CNAS Registration Number:	CNAS L18252
CAB identifier:	CN0145
A2LA Certificate Number:	6823.01
Telephone:	0755-26024411

2.8 SUPPORT UNITS

None

3. Test Procedure And Results

3.1 AC Power Line Conducted Emission

3.1.1 Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

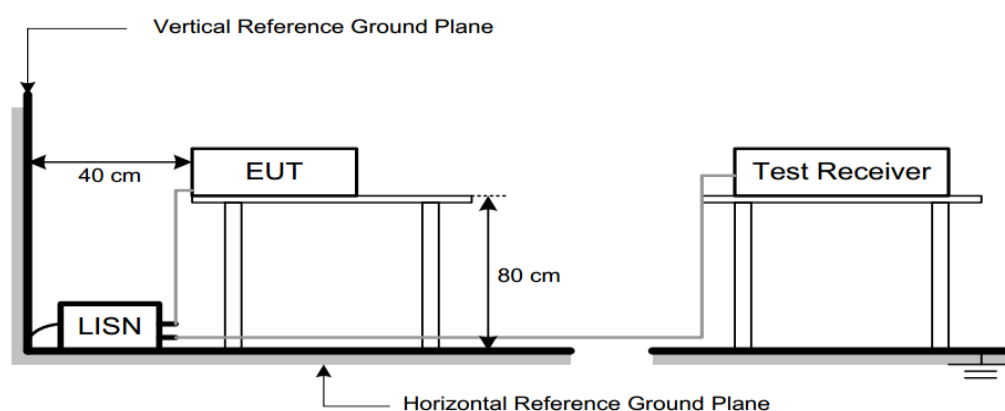
3.1.2 Test Procedure

Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
○ Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme

Note: ●:Test ○:No Test

- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

3.1.3 Test Setup



3.1.4 Test Result

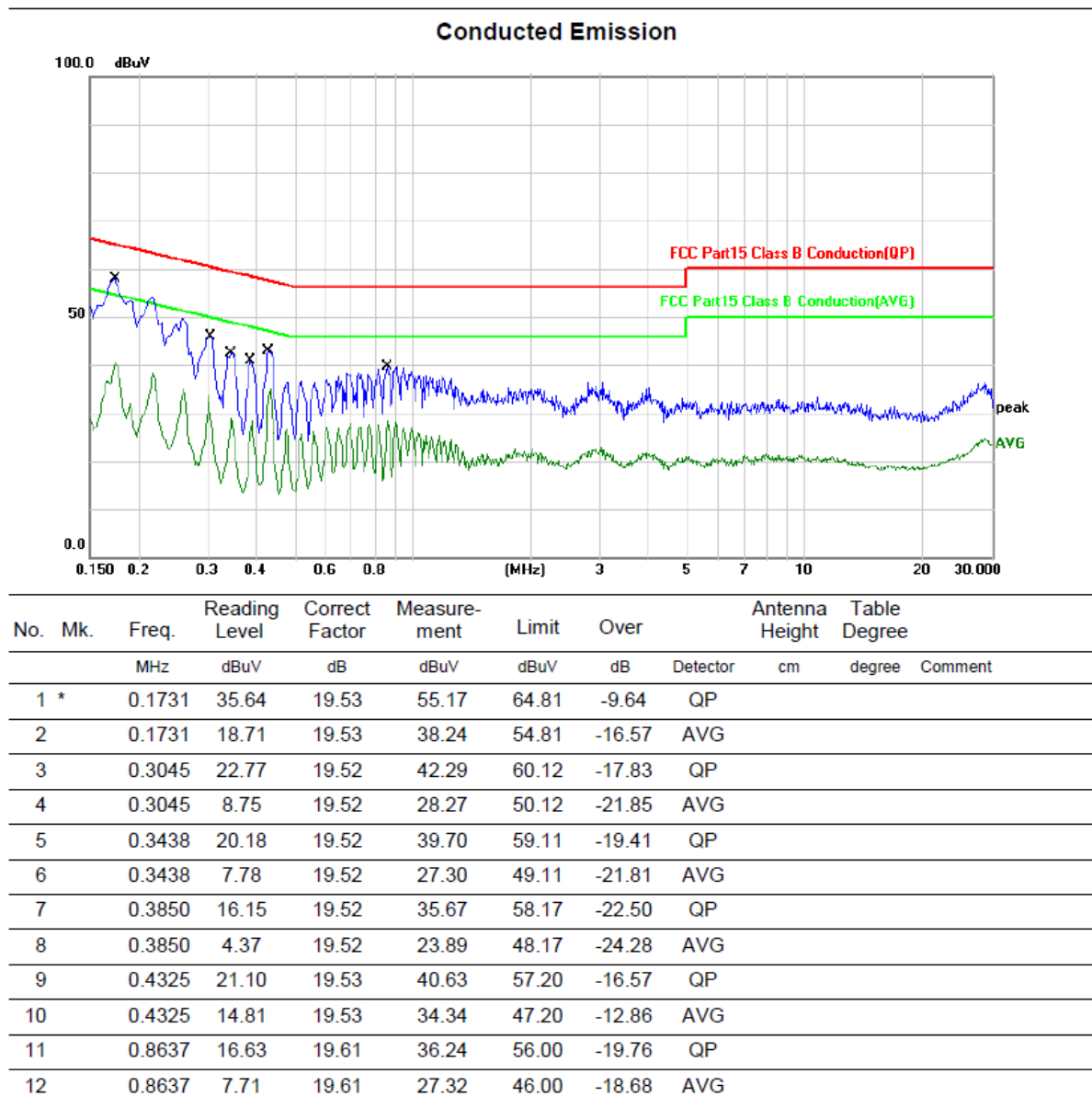
Note:

1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Measurement = Reading + Correct Factor.
3. Over = Measurement – Limit
4. The TX BE20MIMO Mode Channel 100 is found to be the worst case and recorded.

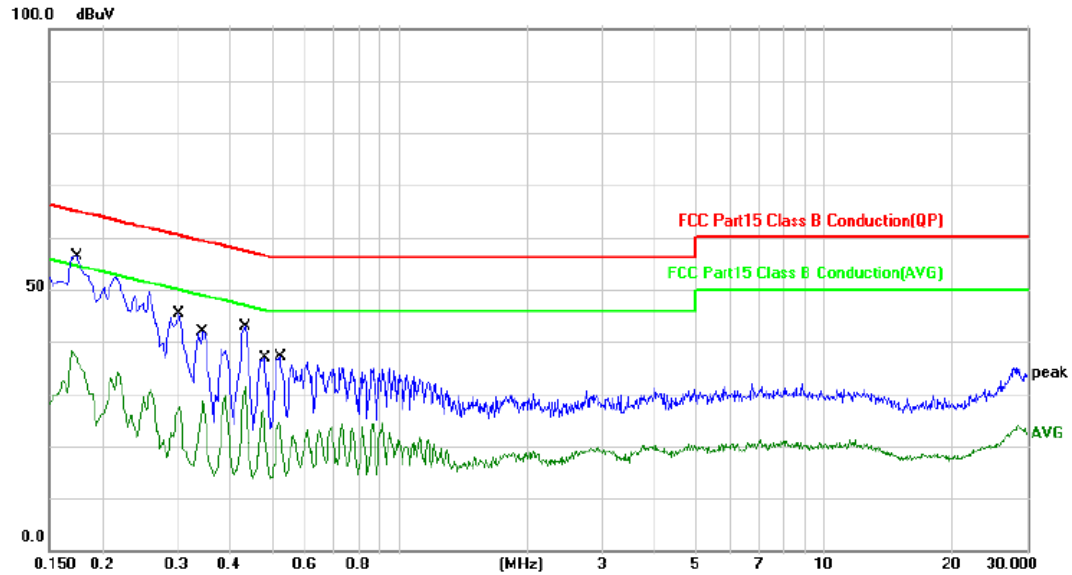
MS-V2000R120-024Q0-US

150kHz~30MHz	TX BE20MIMO Channel 100
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Line

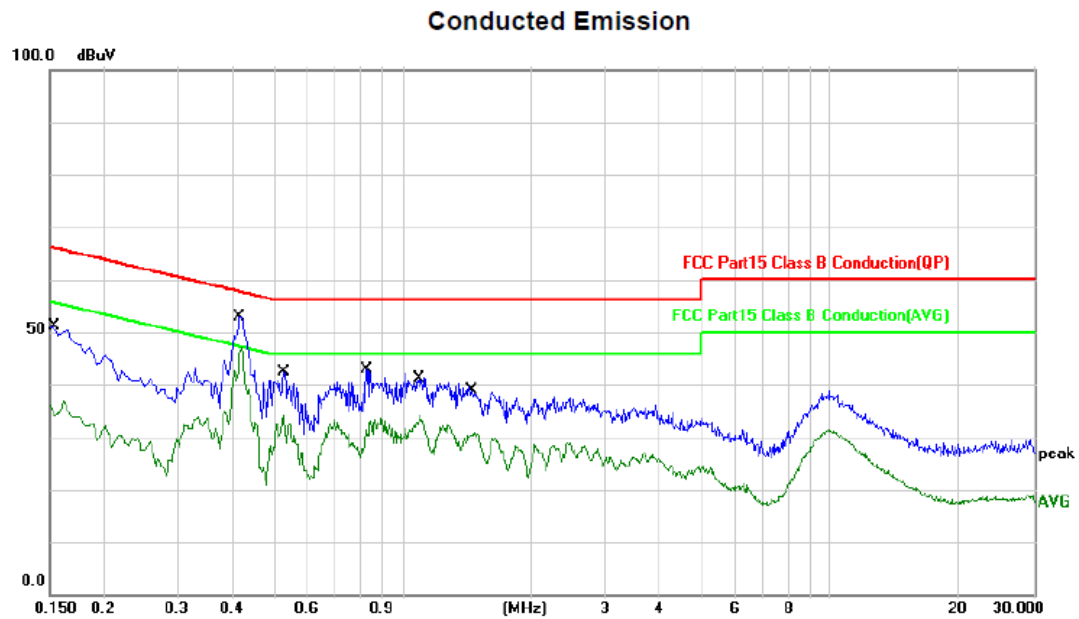


Conducted Emission



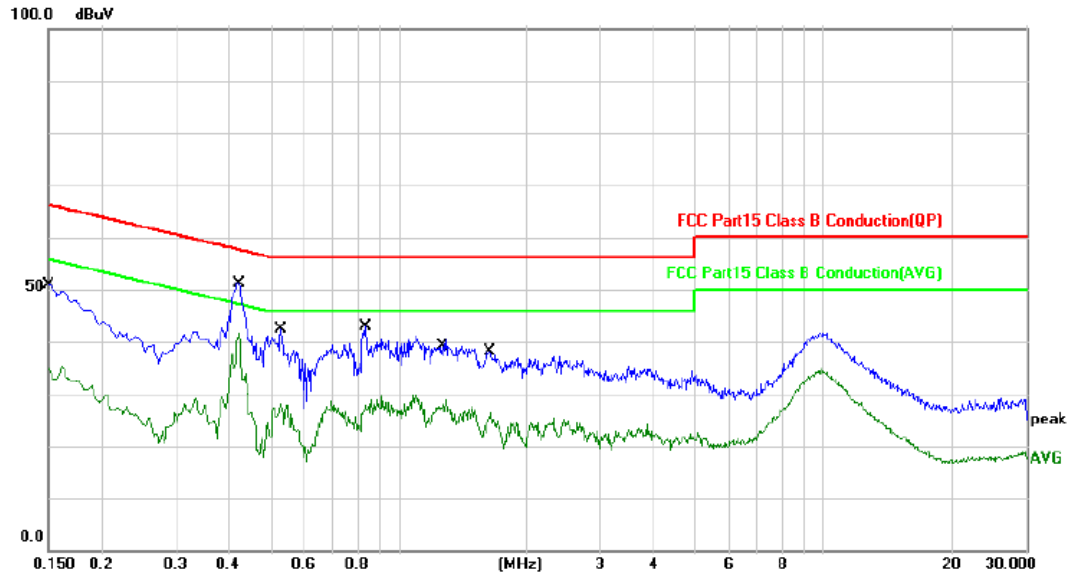
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree
1	*	0.1722	33.82	19.70	53.52	64.85	-11.33	QP		
2		0.1722	15.58	19.70	35.28	54.85	-19.57	AVG		
3		0.3000	22.61	19.70	42.31	60.24	-17.93	QP		
4		0.3000	7.09	19.70	26.79	50.24	-23.45	AVG		
5		0.3438	19.82	19.70	39.52	59.11	-19.59	QP		
6		0.3438	7.40	19.70	27.10	49.11	-22.01	AVG		
7		0.4320	20.17	19.73	39.90	57.21	-17.31	QP		
8		0.4320	9.89	19.73	29.62	47.21	-17.59	AVG		
9		0.4805	13.37	19.74	33.11	56.33	-23.22	QP		
10		0.4805	5.38	19.74	25.12	46.33	-21.21	AVG		
11		0.5230	12.41	19.74	32.15	56.00	-23.85	QP		
12		0.5230	3.67	19.74	23.41	46.00	-22.59	AVG		

Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1		0.1530	26.90	19.50	46.40	65.84	-19.44	QP		
2		0.1530	15.31	19.50	34.81	55.84	-21.03	AVG		
3		0.4197	31.73	19.53	51.26	57.45	-6.19	QP		
4 *		0.4197	27.59	19.53	47.12	47.45	-0.33	AVG		
5		0.5336	18.05	19.53	37.58	56.00	-18.42	QP		
6		0.5336	11.86	19.53	31.39	46.00	-14.61	AVG		
7		0.8354	18.05	19.60	37.65	56.00	-18.35	QP		
8		0.8354	10.80	19.60	30.40	46.00	-15.60	AVG		
9		1.0910	18.15	19.68	37.83	56.00	-18.17	QP		
10		1.0910	13.43	19.68	33.11	46.00	-12.89	AVG		
11		1.4546	15.56	19.79	35.35	56.00	-20.65	QP		
12		1.4546	10.38	19.79	30.17	46.00	-15.83	AVG		

Conducted Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1		0.1508	25.97	19.70	45.67	65.96	-20.29	QP		
2		0.1508	12.92	19.70	32.62	55.96	-23.34	AVG		
3		0.4202	29.21	19.72	48.93	57.44	-8.51	QP		
4 *		0.4202	20.58	19.72	40.30	47.44	-7.14	AVG		
5		0.5263	16.91	19.75	36.66	56.00	-19.34	QP		
6		0.5263	7.58	19.75	27.33	46.00	-18.67	AVG		
7		0.8365	15.97	19.82	35.79	56.00	-20.21	QP		
8		0.8365	5.91	19.82	25.73	46.00	-20.27	AVG		
9		1.2818	15.15	19.97	35.12	56.00	-20.88	QP		
10		1.2818	6.75	19.97	26.72	46.00	-19.28	AVG		
11		1.6337	13.09	20.12	33.21	56.00	-22.79	QP		
12		1.6337	4.06	20.12	24.18	46.00	-21.82	AVG		

3.2 Radiated Emission

3.2.1 Limit

1) Limit of radiated emission measurement:

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequency (MHz)	Distance Meters(m)	Field Strength Limit	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 – 0.49	300	$2400/\text{F}(\text{kHz})$	-
0.490 – 1.705	30	$24000/\text{F}(\text{kHz})$	-
1.705 – 30	30	30	-
30~88	3	100	40.0
88~216	3	150	43.5
216~960	3	200	46.0
960~1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

Note: (1) Emission level $\text{dB}\mu\text{V} = 20 \log$ Emission level $\mu\text{V/m}$

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

2) Limit of unwanted emission out of the restricted bands:

Frequency(MHz)	EIRP Limit(dBm/MHz)	Equivalent Field Strength at 3m($\text{dB}\mu\text{V}/\text{m}$)
5150-5250	-27	68.2
5250-5350	-27	68.2
5470-5725	-27	68.2
5725-5850	-27 NOTE (2)	68.2
	10 NOTE (2)	105.2
	15.6 NOTE (2)	110.8
	27 NOTE (2)	122.2

Note: (1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] + 95.2$, for $d=3\text{m}$

(2) According to 15.407(b)(4)(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.

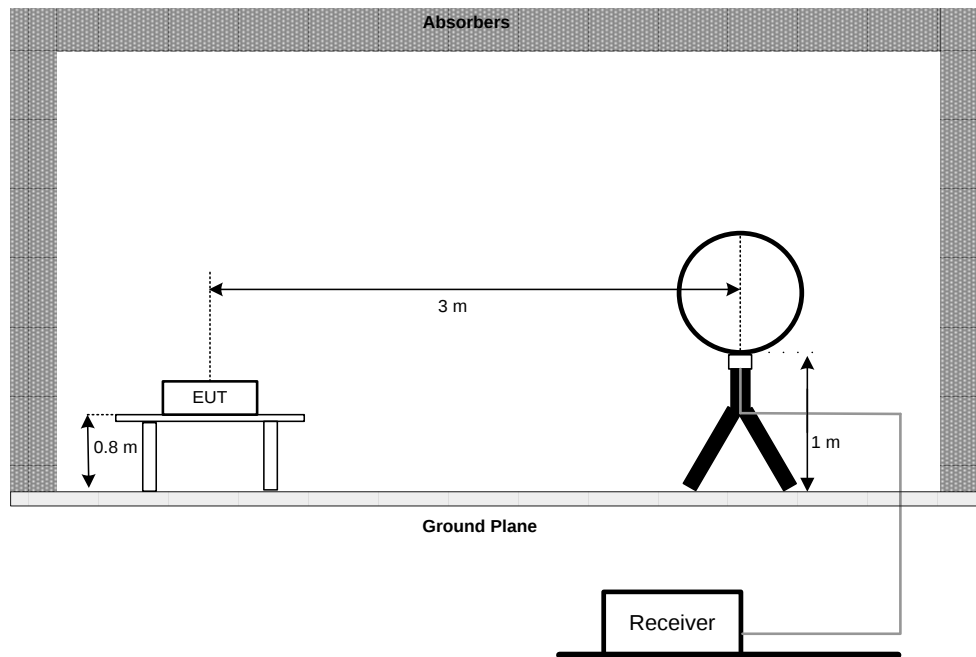
3.2.2 Test Procedure

Test Method	
○Conducted Measurement	●Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

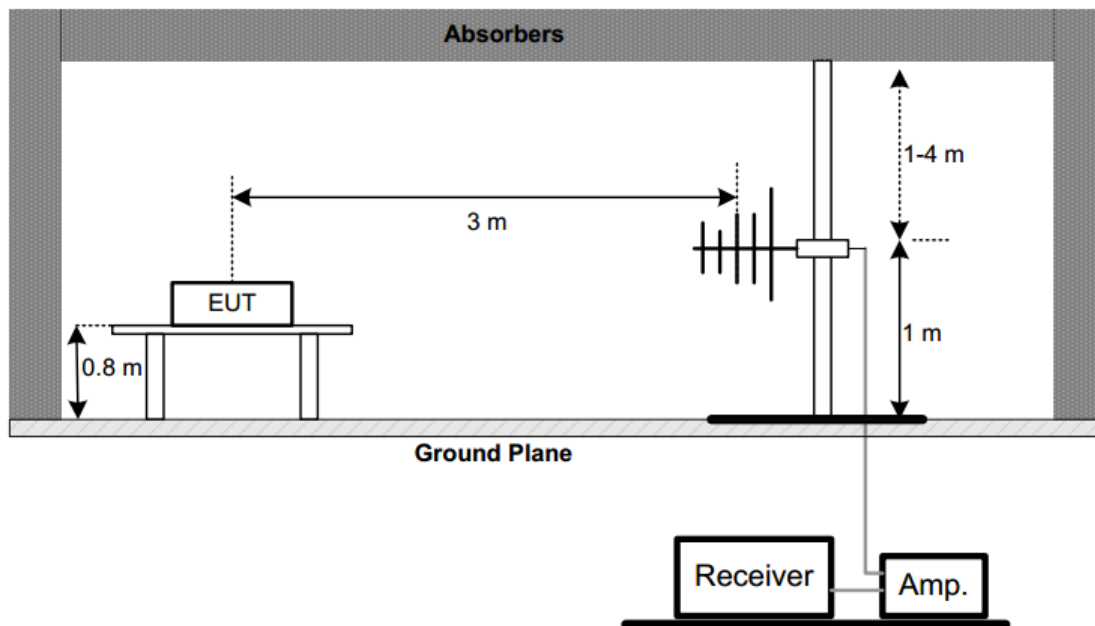
- a) The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b) The measuring distance of 3 m or 1.5m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c) The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e) The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f) The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g) All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1 GHz)
- h) All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i) For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.2.3 Test Setup

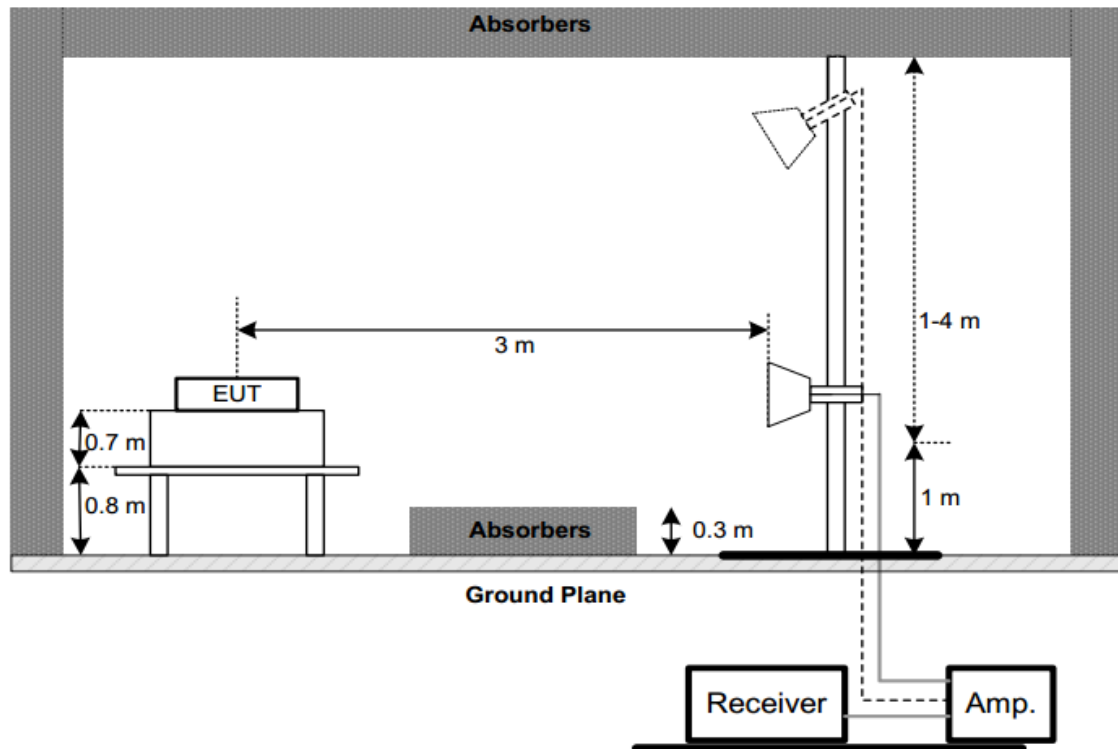
(A) Radiated Emission Test Set-Up Frequency Below 30 MHz



(B) Radiated Emission Test Set-Up Frequency 30 MHz-1000 MHz



(C) Radiated Emission Test Set-Up Frequency Above 1 GHz



3.2.4 Test Result

1) Radiated emission: 9kHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not recorded in this report.

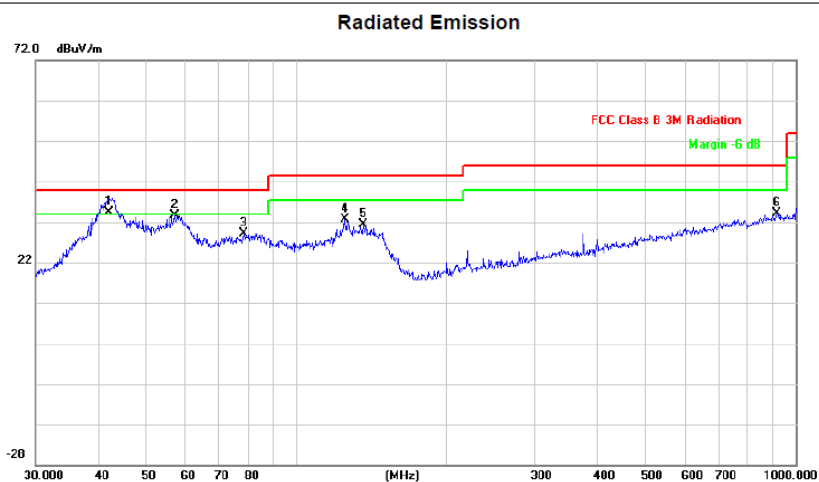
2) Radiated emission: 30MHz-1GHz

Note:

1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit
3. The TX BE20MIMO Channel 100 is found to be the worst case and recorded.

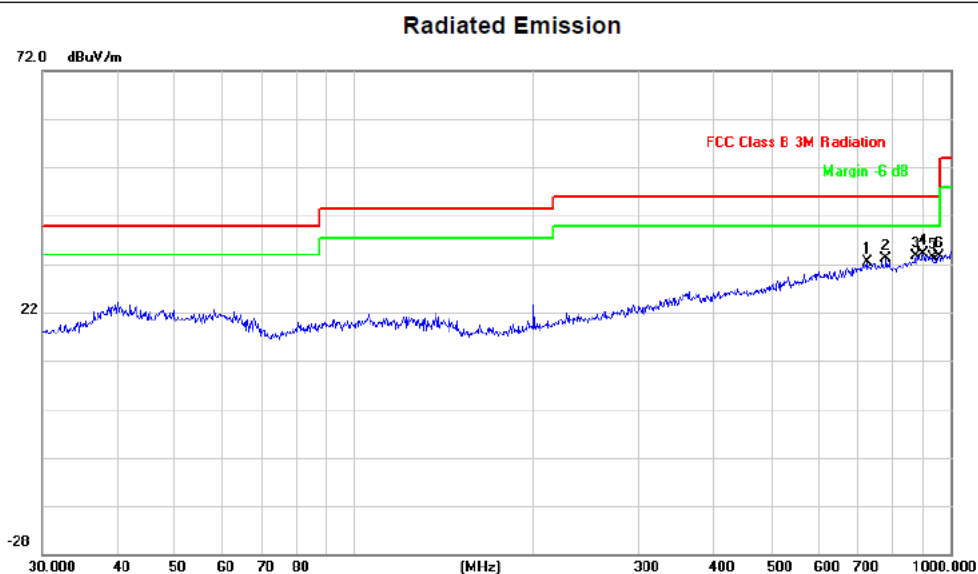
MS-V2000R120-024Q0-US

Test Mode	TX BE20 Mode Channel 100	Polarization	Vertical
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	42.0066	13.65	20.62	34.27	40.00	-5.73	QP	100	301
2		56.9912	13.70	19.98	33.68	40.00	-6.32	QP	100	49
3		78.4133	12.76	16.46	29.22	40.00	-10.78	QP	100	250
4		125.0066	15.36	17.37	32.73	43.50	-10.77	QP	100	134
5		135.9822	14.94	16.40	31.34	43.50	-12.16	QP	100	181
6		916.0687	2.38	31.87	34.25	46.00	-11.75	QP	100	99

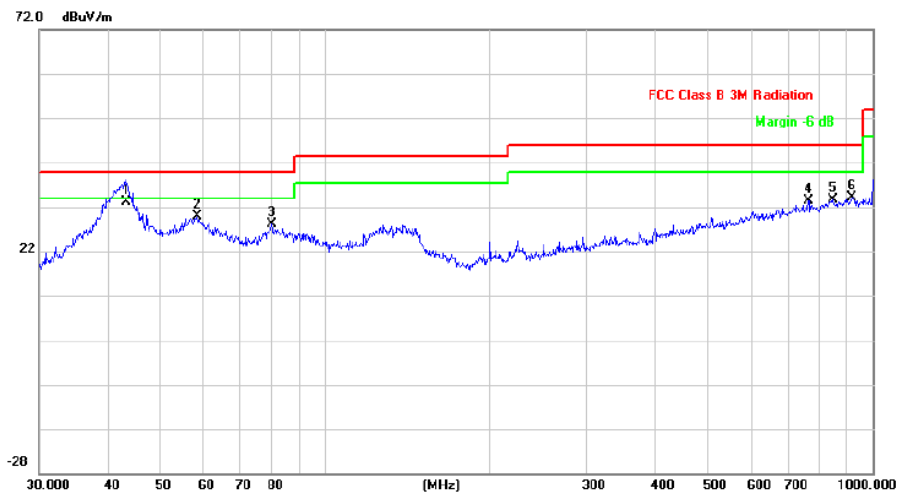
Test Mode	TX BE20 Mode Channel 100	Polarization	Horizontal
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		724.2611	2.36	30.01	32.37	46.00	-13.63	QP	100	274
2		779.6068	2.11	30.95	33.06	46.00	-12.94	QP	200	360
3		875.2470	2.11	31.44	33.55	46.00	-12.45	QP	100	163
4	*	900.1474	2.40	31.72	34.12	46.00	-11.88	QP	200	124
5		932.2715	1.56	31.87	33.43	46.00	-12.57	QP	100	313
6		955.4381	1.73	31.78	33.51	46.00	-12.49	QP	100	0

Test Mode	TX BE20 Mode Channel 100	Polarization	Vertical
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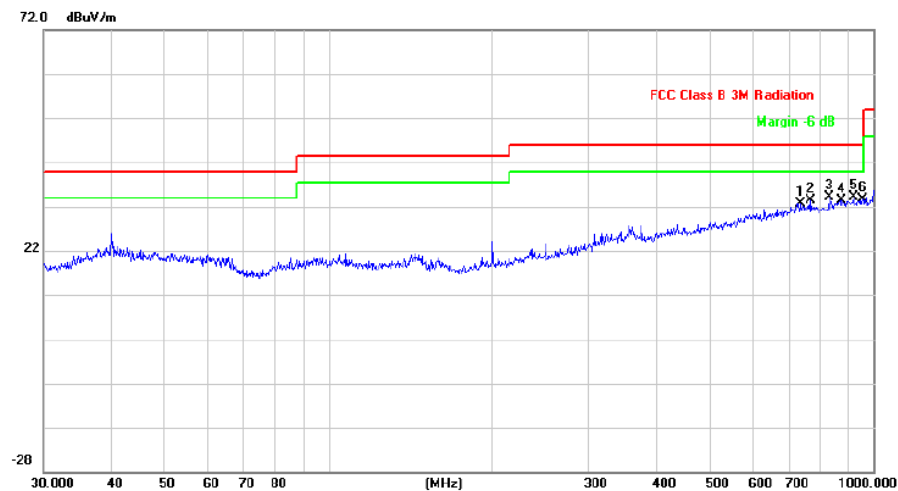
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	43.3534	12.21	20.91	33.12	40.00	-6.88	QP	100	284
2		58.4074	10.10	19.83	29.93	40.00	-10.07	QP	100	59
3		79.8003	11.42	16.75	28.17	40.00	-11.83	QP	162	0
4		763.3757	2.50	30.93	33.43	46.00	-12.57	QP	200	250
5		845.0878	2.57	31.07	33.64	46.00	-12.36	QP	188	0
6		916.0687	2.33	31.87	34.20	46.00	-11.80	QP	200	193

Test Mode	TX BE20 Mode Channel 100	Polarization	Horizontal
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Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		737.0714	2.25	30.50	32.75	46.00	-13.25	QP	200	296
2		768.7481	2.42	31.00	33.42	46.00	-12.58	QP	100	241
3		830.4002	3.23	30.79	34.02	46.00	-11.98	QP	100	157
4		875.2470	2.04	31.44	33.48	46.00	-12.52	QP	100	184
5	*	919.2866	2.15	31.89	34.04	46.00	-11.96	QP	200	202
6		955.4381	1.85	31.78	33.63	46.00	-12.37	QP	199	0

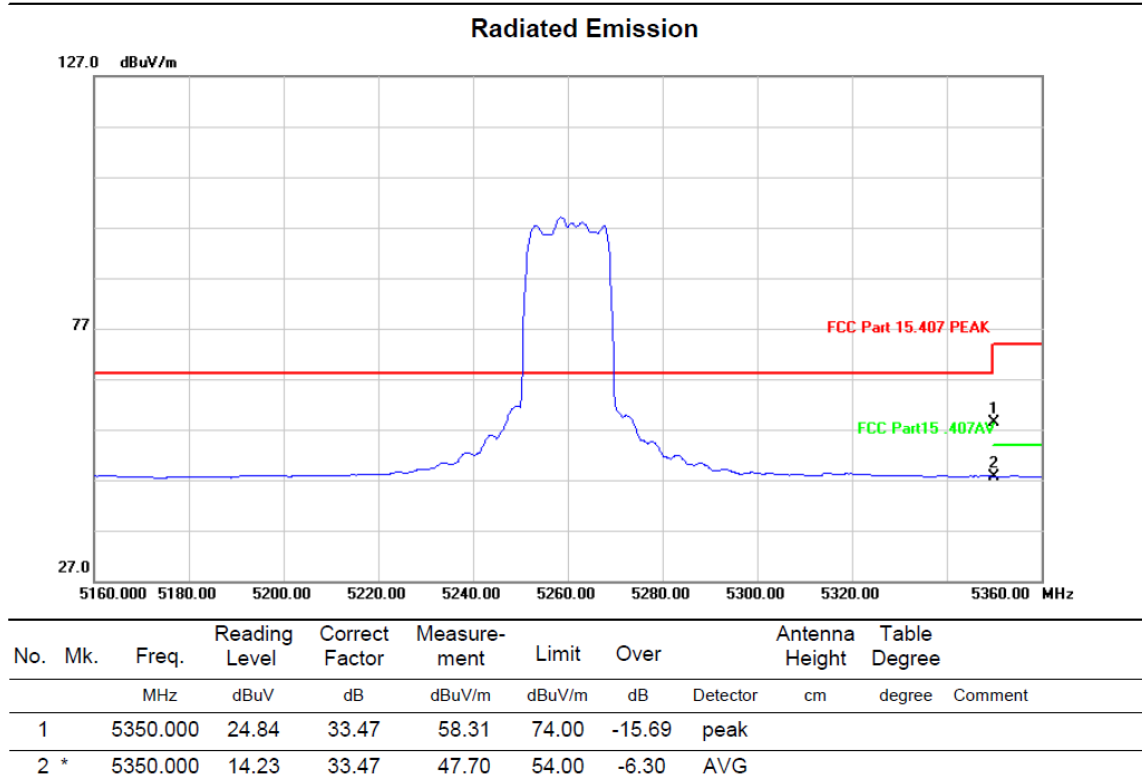
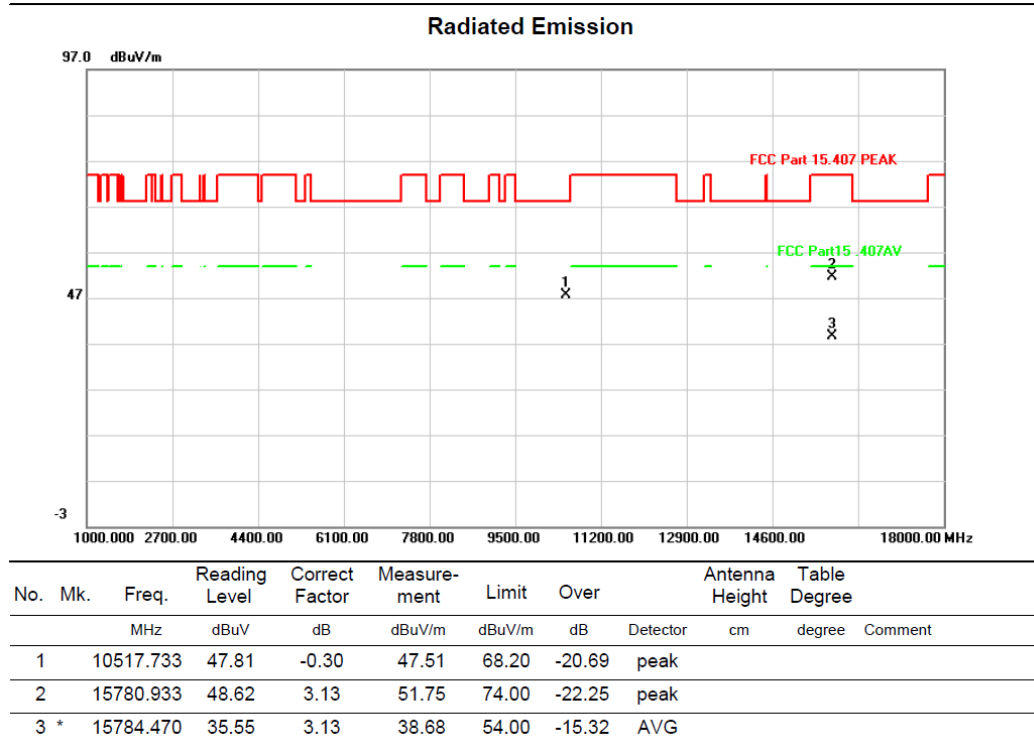
3) Radiated emission: Above 1GHz

Note:

1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

Above 1GHz (1GHz~18GHz)	Test mode: 11A-CDD	Test Channel:52
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VERTICAL

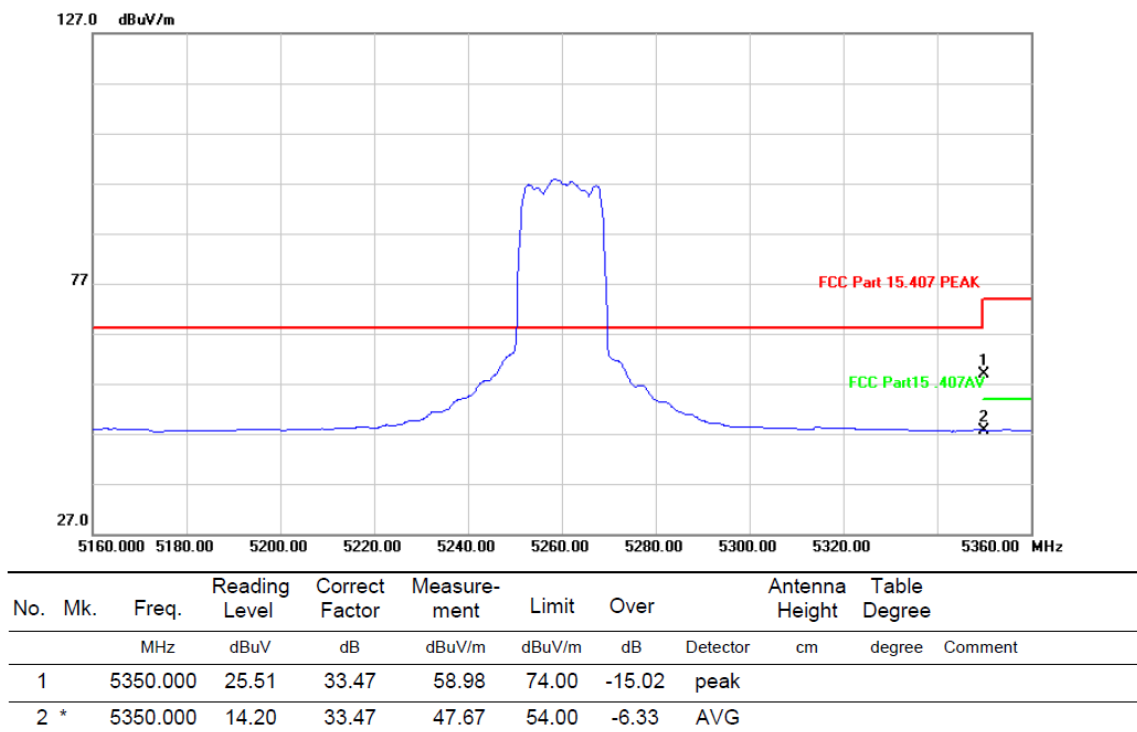


HORIZONTALA

Radiated Emission

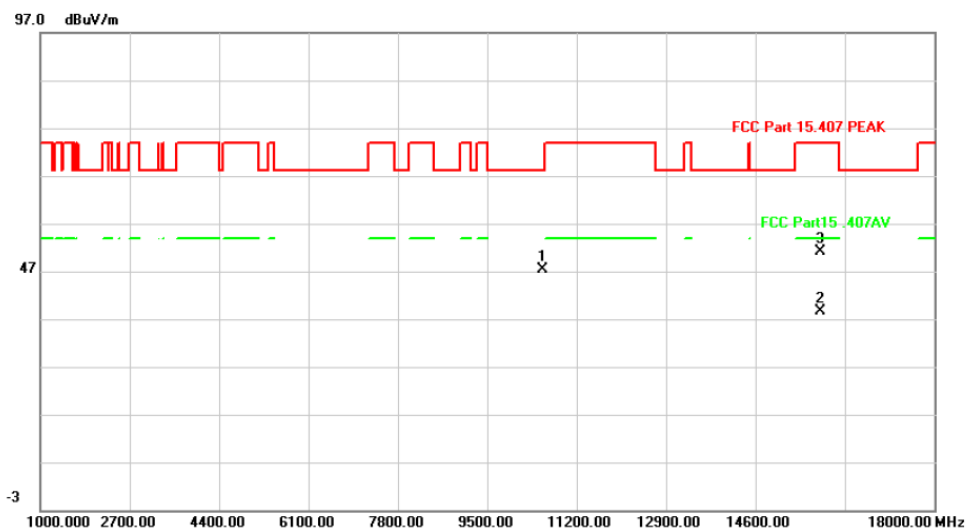


Radiated Emission



VERTICAL

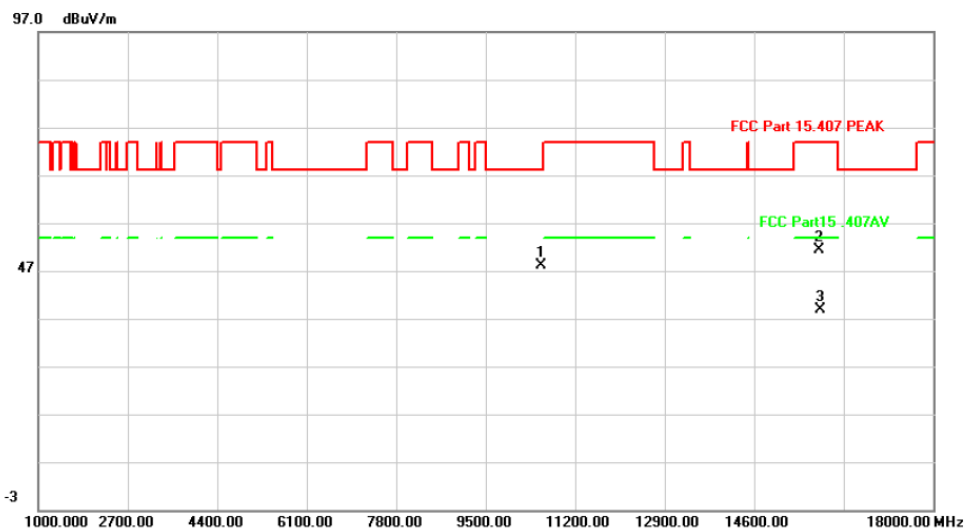
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10560.433	47.45	-0.11	47.34	68.20	-20.86	peak		
2	*	15838.922	35.51	3.13	38.64	54.00	-15.36	AVG		
3		15843.833	47.93	3.13	51.06	74.00	-22.94	peak		

HORIZONTAL

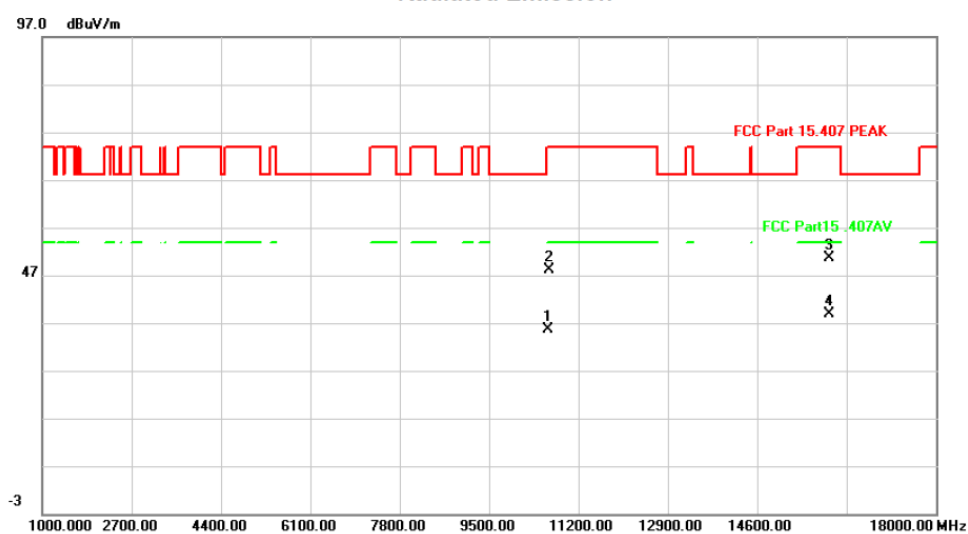
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10559.100	48.27	-0.12	48.15	68.20	-20.05	peak		
2		15840.933	48.14	3.13	51.27	74.00	-22.73	peak		
3	*	15849.873	35.64	3.13	38.77	54.00	-15.23	AVG		

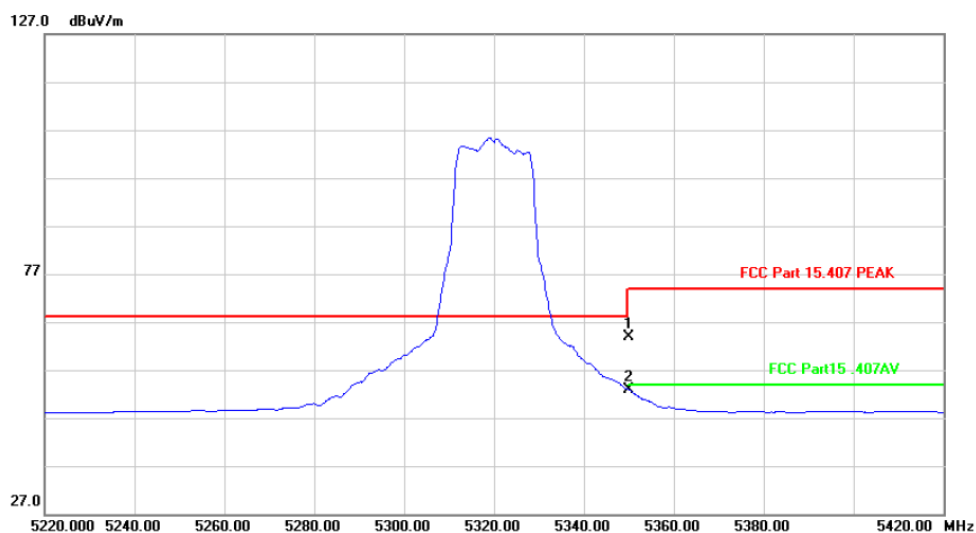
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10630.999	35.38	0.20	35.58	54.00	-18.42	AVG		
2		10640.500	47.87	0.24	48.11	74.00	-25.89	peak		
3		15960.850	47.50	3.11	50.61	74.00	-23.39	peak		
4 *		15961.134	35.74	3.11	38.85	54.00	-15.15	AVG		

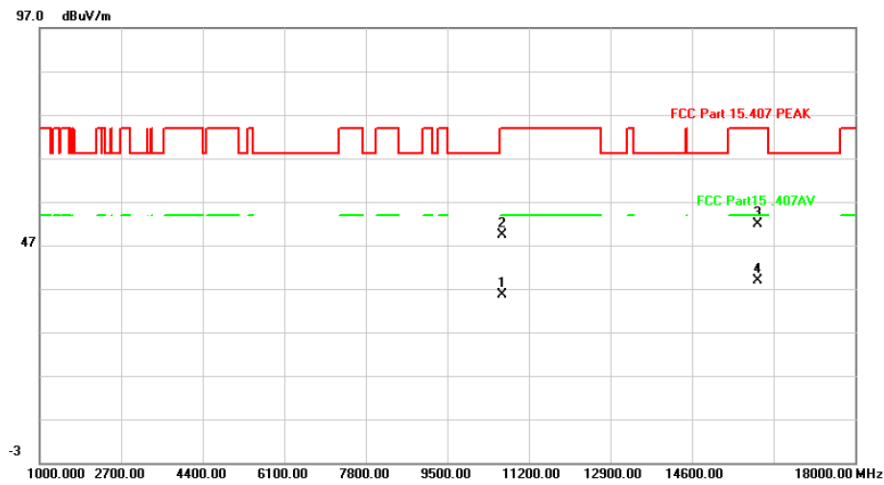
Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	30.41	33.47	63.88	74.00	-10.12	peak		
2 *		5350.000	19.50	33.47	52.97	54.00	-1.03	AVG		

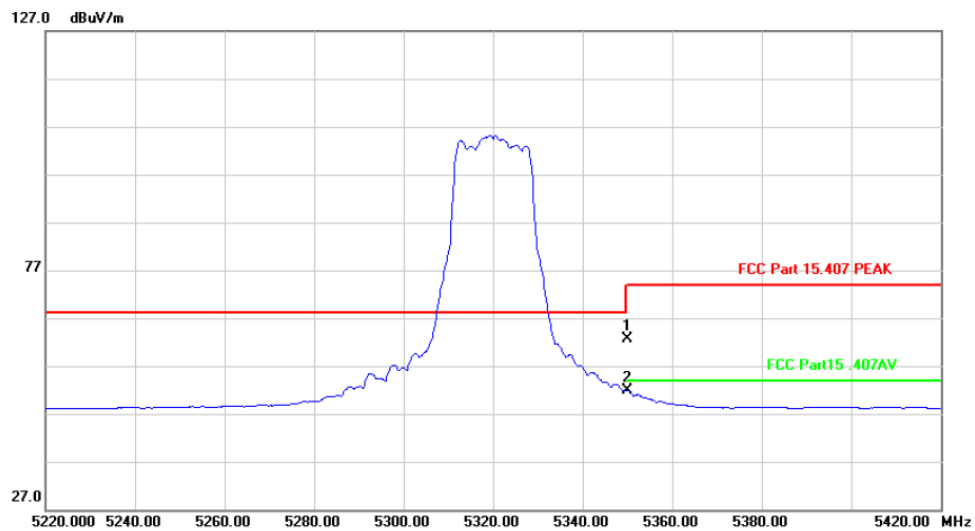
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10639.845	35.30	0.24	35.54	54.00	-18.46	AVG		
2		10646.933	49.20	0.27	49.47	74.00	-24.53	peak		
3		15960.800	48.68	3.11	51.79	74.00	-22.21	peak		
4 *		15964.855	35.71	3.11	38.82	54.00	-15.18	AVG		

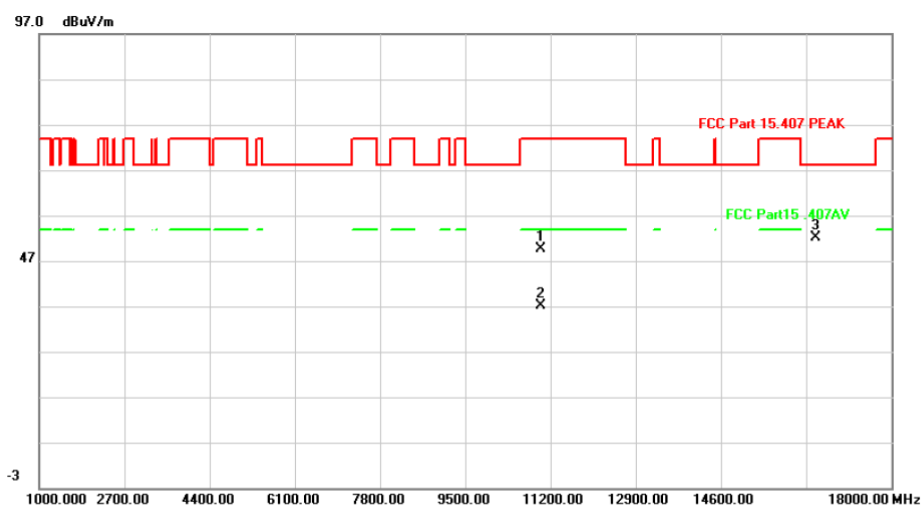
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	29.14	33.47	62.61	74.00	-11.39	peak		
2 *		5350.000	18.37	33.47	51.84	54.00	-2.16	AVG		

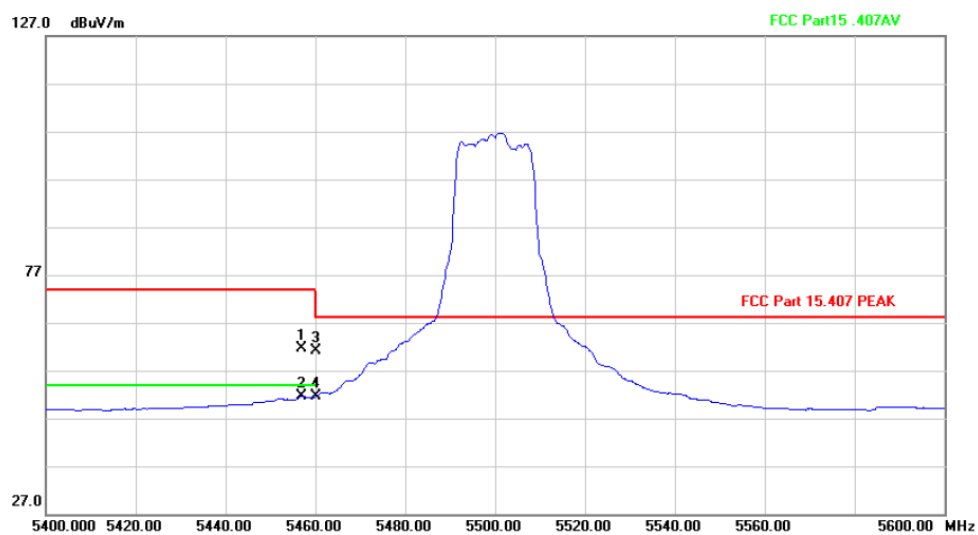
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11000.850	47.90	1.83	49.73	74.00	-24.27	peak		
2		11003.439	35.35	1.84	37.19	54.00	-16.81	AVG		
3 *		16500.000	47.87	4.27	52.14	68.20	-16.06	peak		

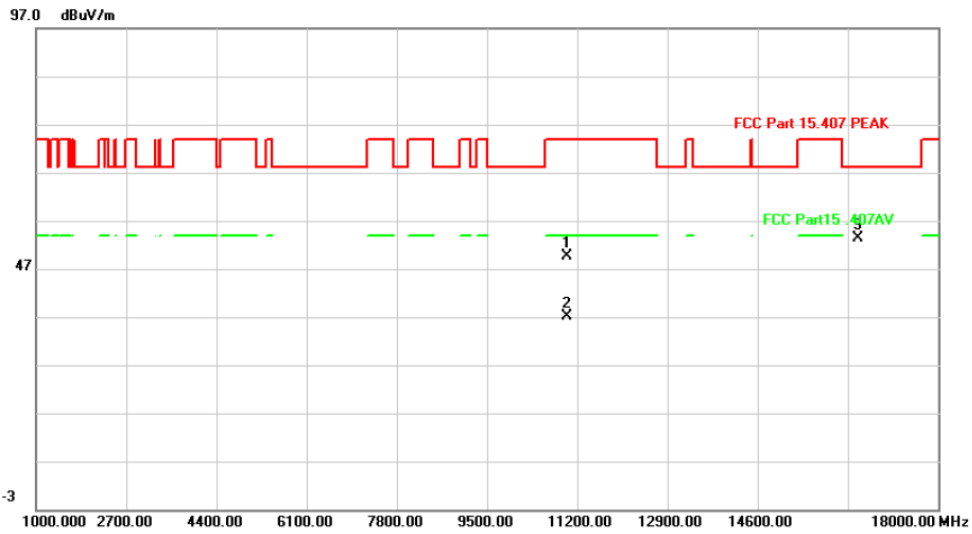
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5457.000	28.18	33.49	61.67	74.00	-12.33	peak		
2 *		5457.000	18.12	33.49	51.61	54.00	-2.39	AVG		
3		5460.000	27.65	33.49	61.14	74.00	-12.86	peak		
4		5460.000	18.03	33.49	51.52	54.00	-2.48	AVG		

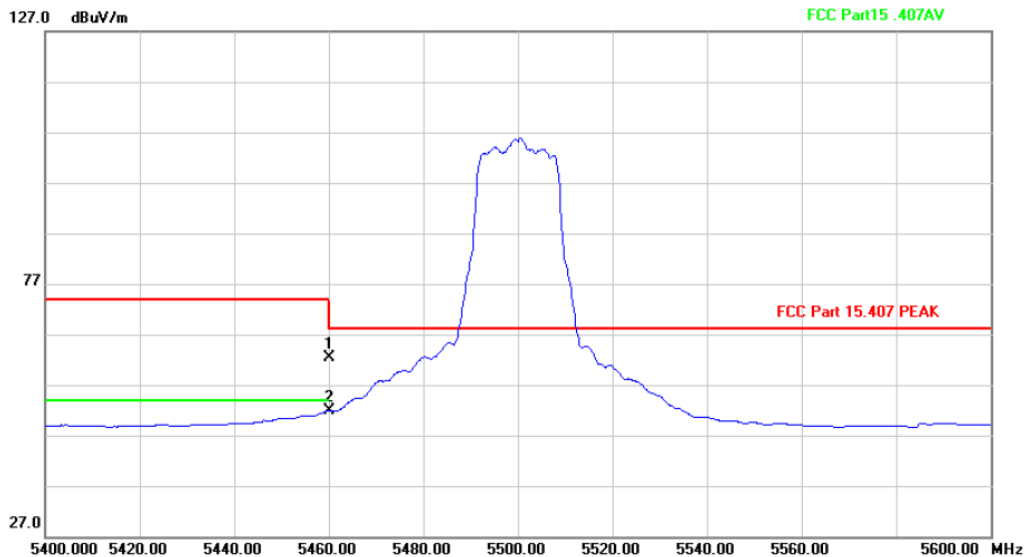
HORIZONTALA

Radiated Emission



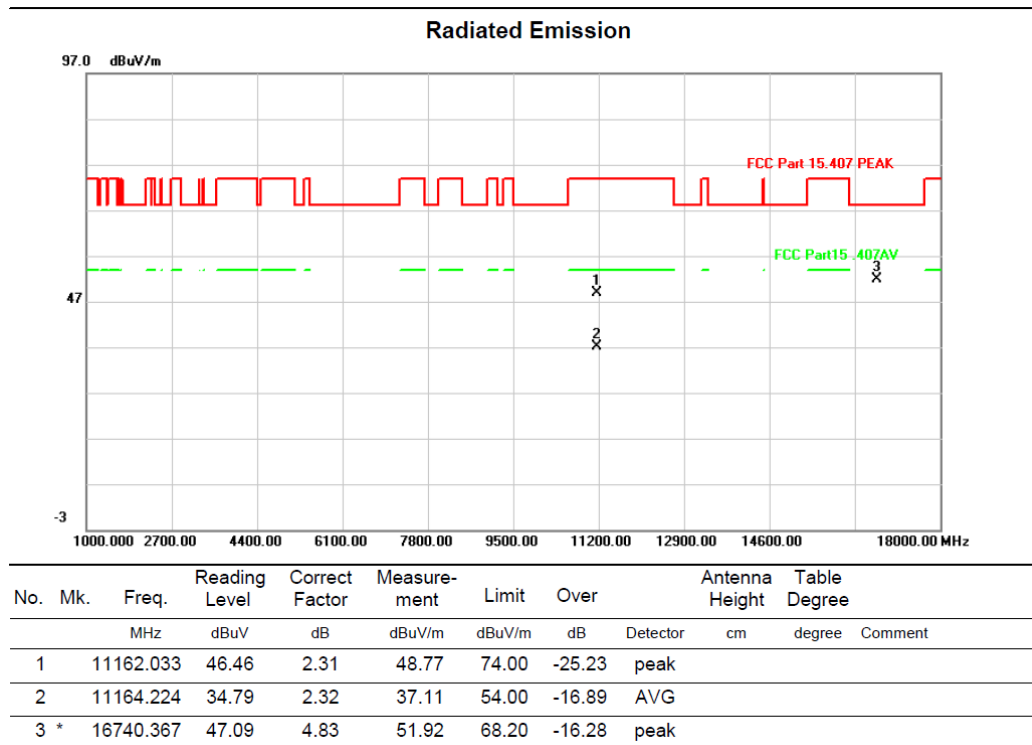
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		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11000.850	47.79	1.83	49.62	74.00	-24.38	peak		
2		11009.802	35.32	1.86	37.18	54.00	-16.82	AVG		
3 *		16500.000	49.23	4.27	53.50	68.20	-14.70	peak		

Radiated Emission

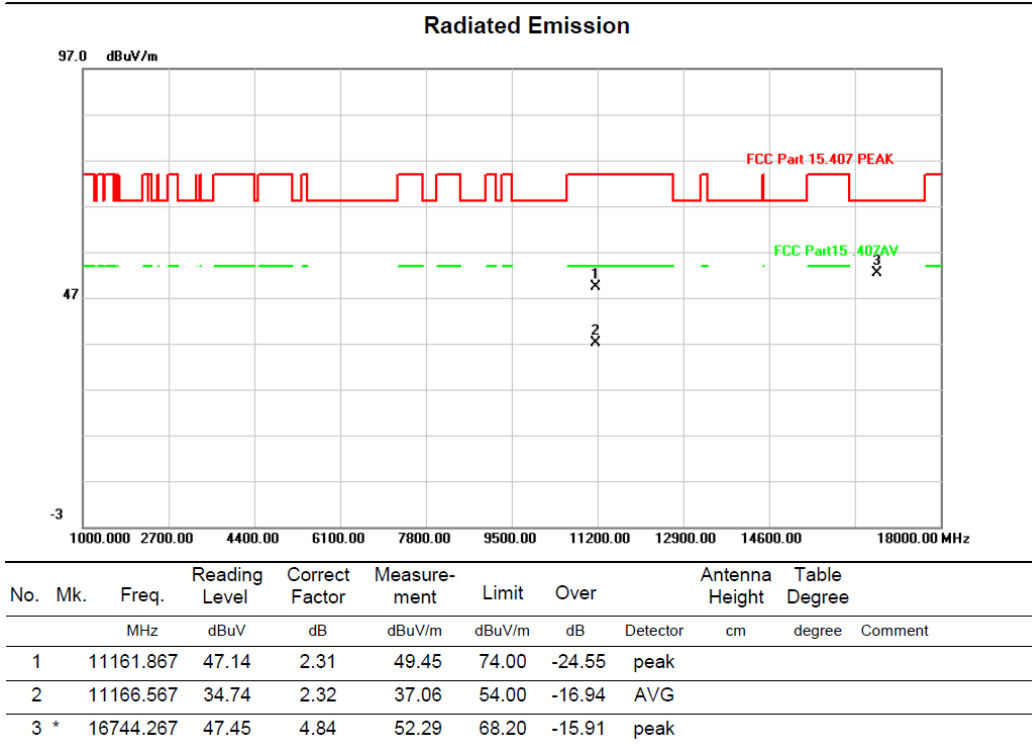


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5460.000	28.91	33.49	62.40	74.00	-11.60	peak		
2 *		5460.000	18.49	33.49	51.98	54.00	-2.02	AVG		

VERTICAL

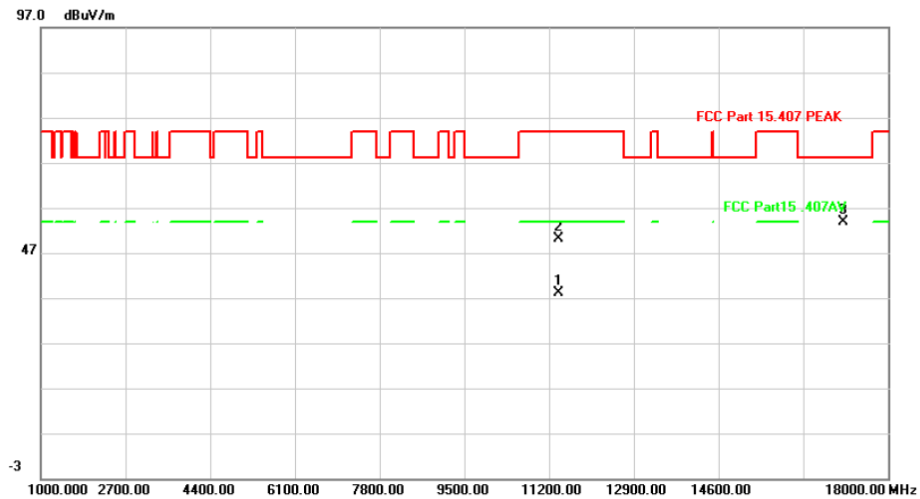


HORIZONTAL



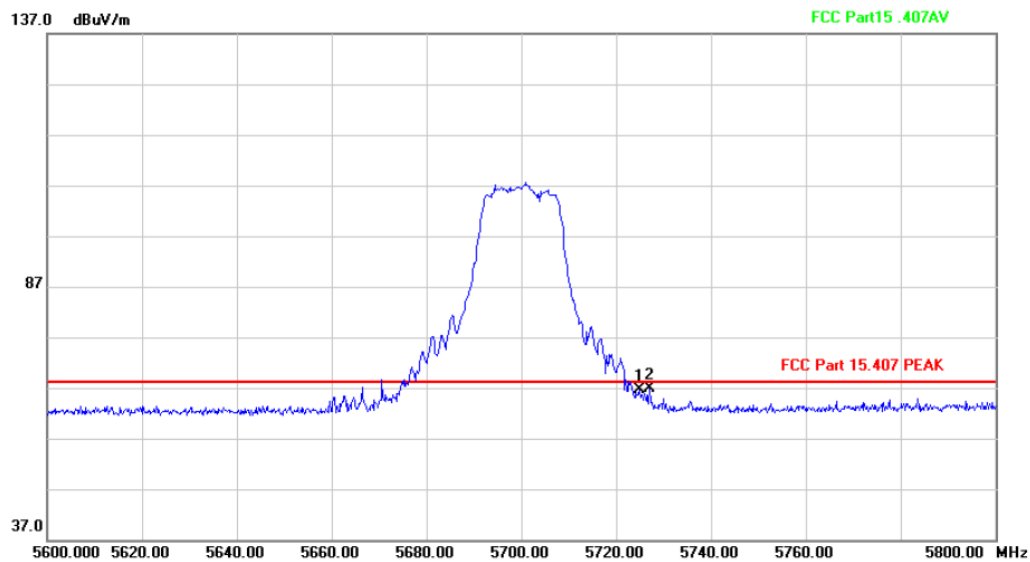
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11401.144	35.06	3.02	38.08	54.00	-15.92	AVG		
2		11401.767	47.13	3.02	50.15	74.00	-23.85	peak		
3 *		17105.233	47.79	6.04	53.83	68.20	-14.37	peak		

Radiated Emission



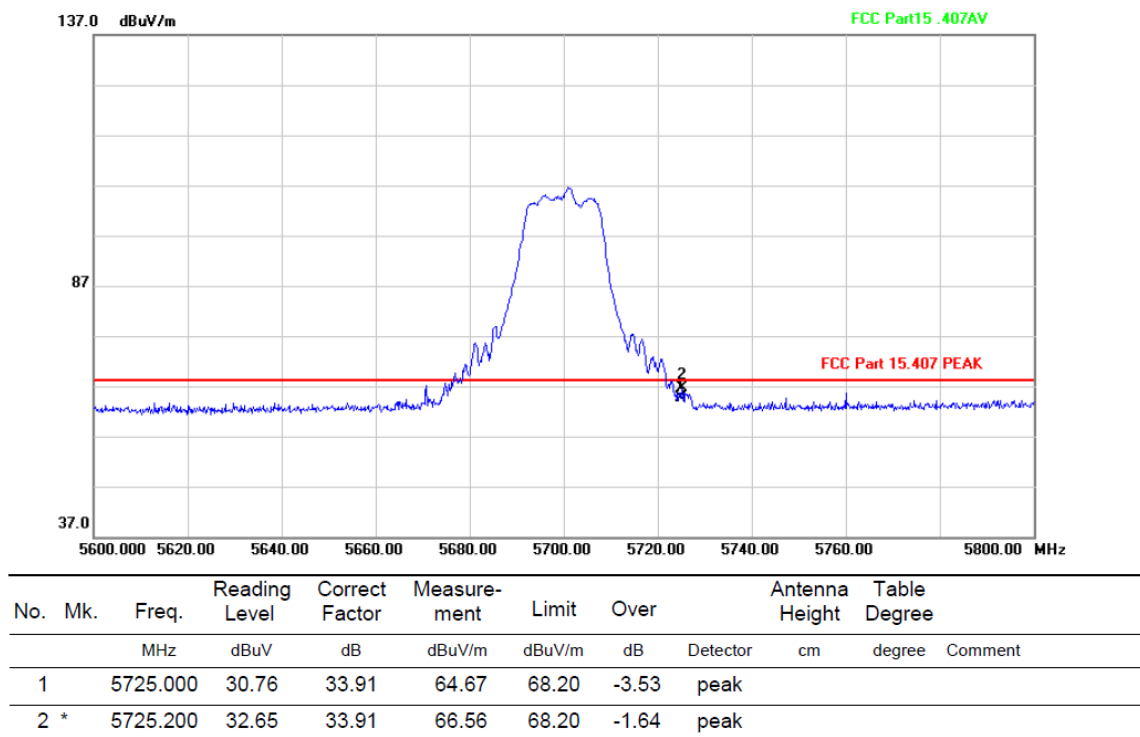
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5725.000	32.84	33.91	66.75	68.20	-1.45	peak		
2 *		5727.000	32.99	33.91	66.90	68.20	-1.30	peak		

HORIZONTALA

Radiated Emission

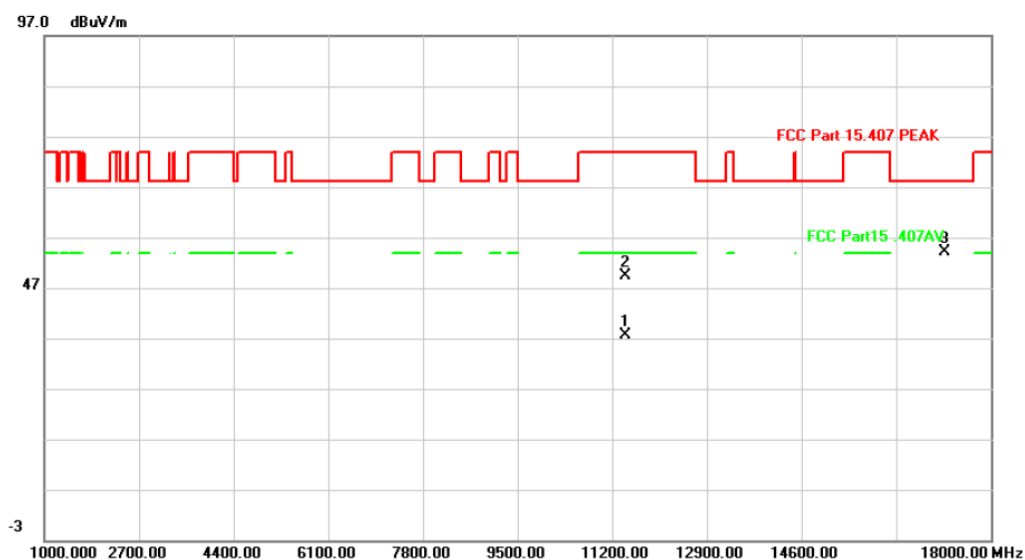


Radiated Emission



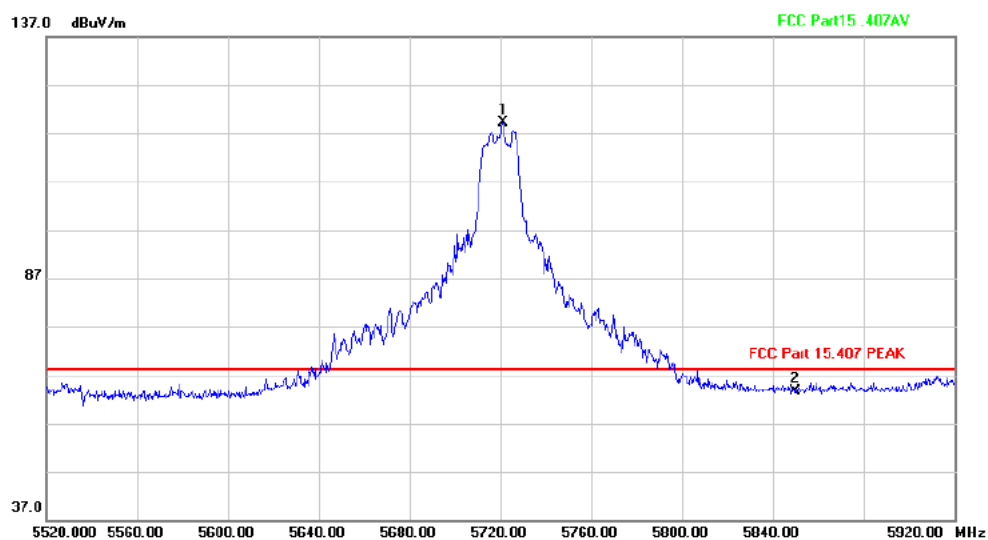
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11438.995	34.51	3.13	37.64	54.00	-16.36	AVG		
2		11443.667	46.22	3.14	49.36	74.00	-24.64	peak		
3 *		17162.100	48.16	6.04	54.20	68.20	-14.00	peak		

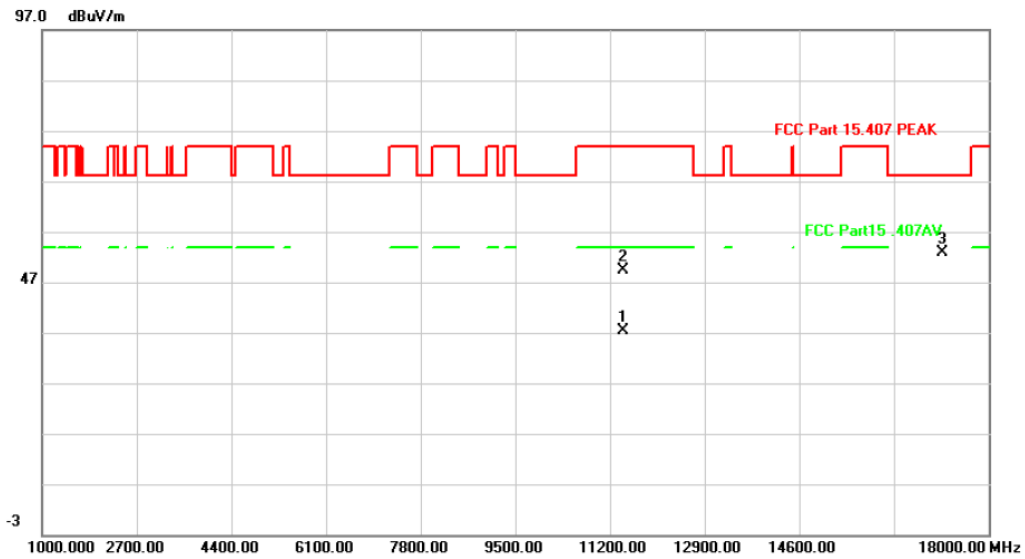
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1 *		5721.200	85.21	33.90	119.11	68.20	50.91	peak		
2		5850.000	29.59	34.13	63.72	68.20	-4.48	peak		

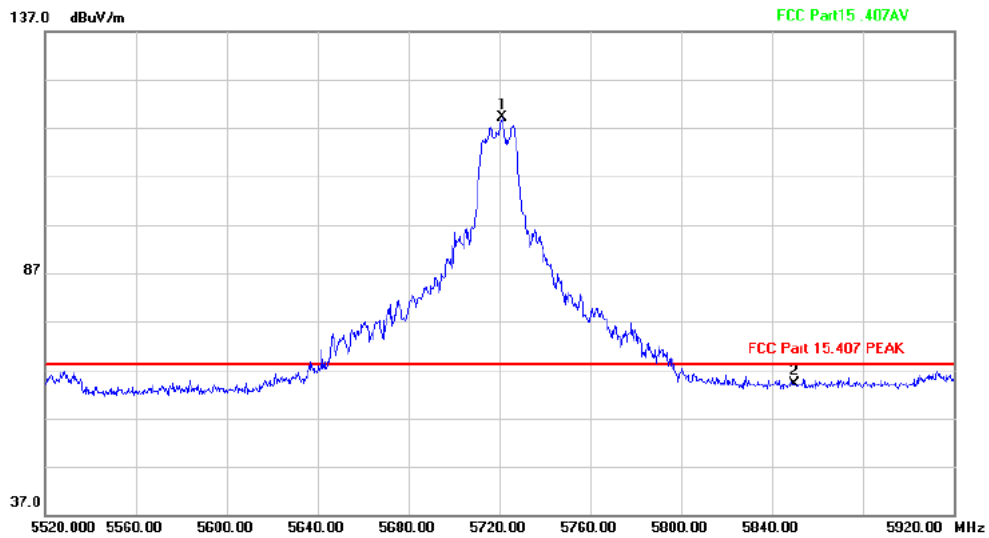
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11433.033	34.25	3.11	37.36	54.00	-16.64	AVG		
2		11440.367	46.35	3.13	49.48	74.00	-24.52	peak		
3 *		17163.600	46.95	6.05	53.00	68.20	-15.20	peak		

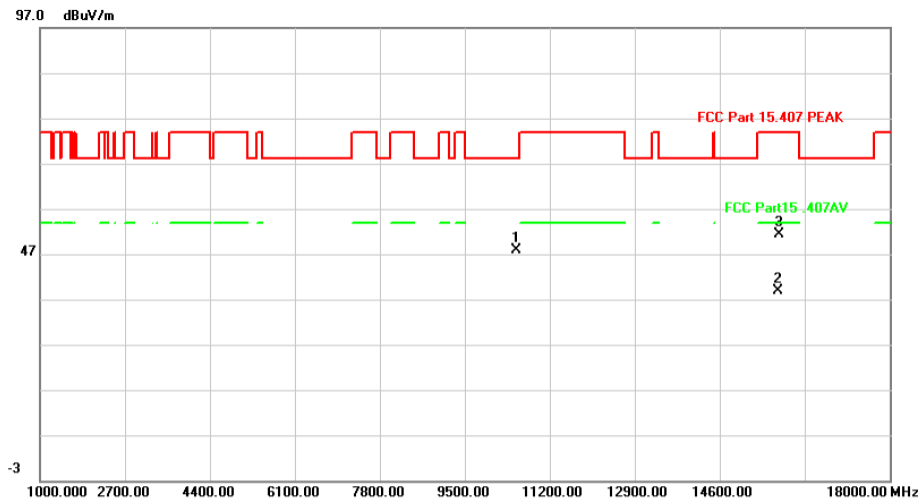
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1 *		5721.200	85.19	33.90	119.09	68.20	50.89	peak		
2		5850.000	30.00	34.13	64.13	68.20	-4.07	peak		

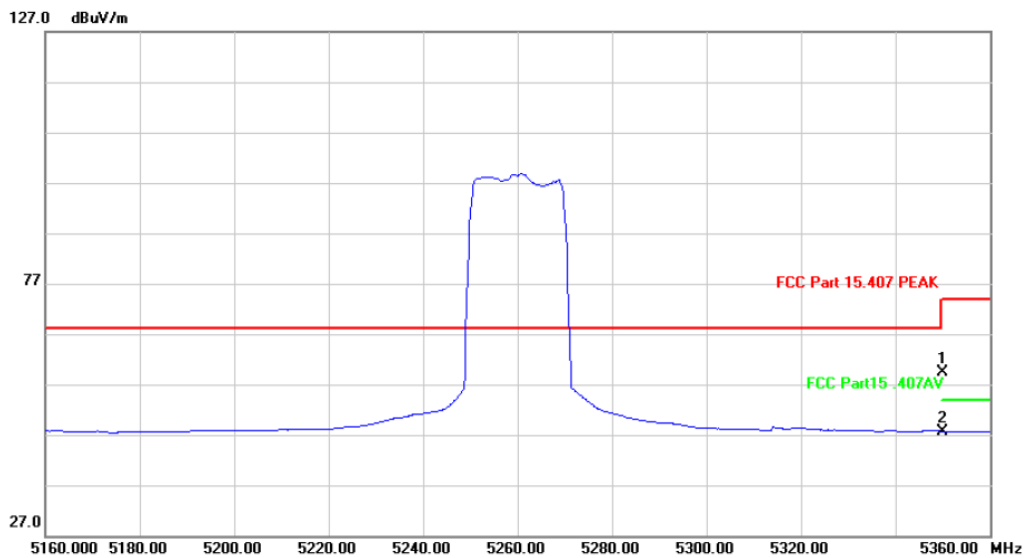
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10520.433	48.10	-0.29	47.81	68.20	-20.39			peak
2 *		15772.260	35.66	3.13	38.79	54.00	-15.21			AVG
3		15780.367	48.13	3.13	51.26	74.00	-22.74			peak

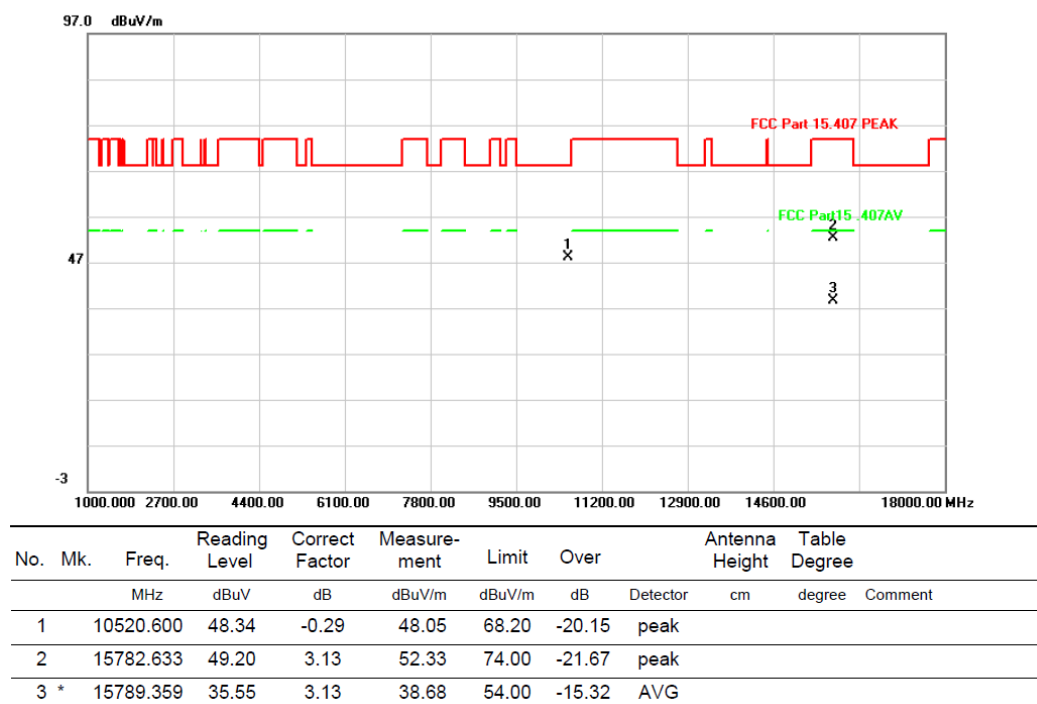
Radiated Emission



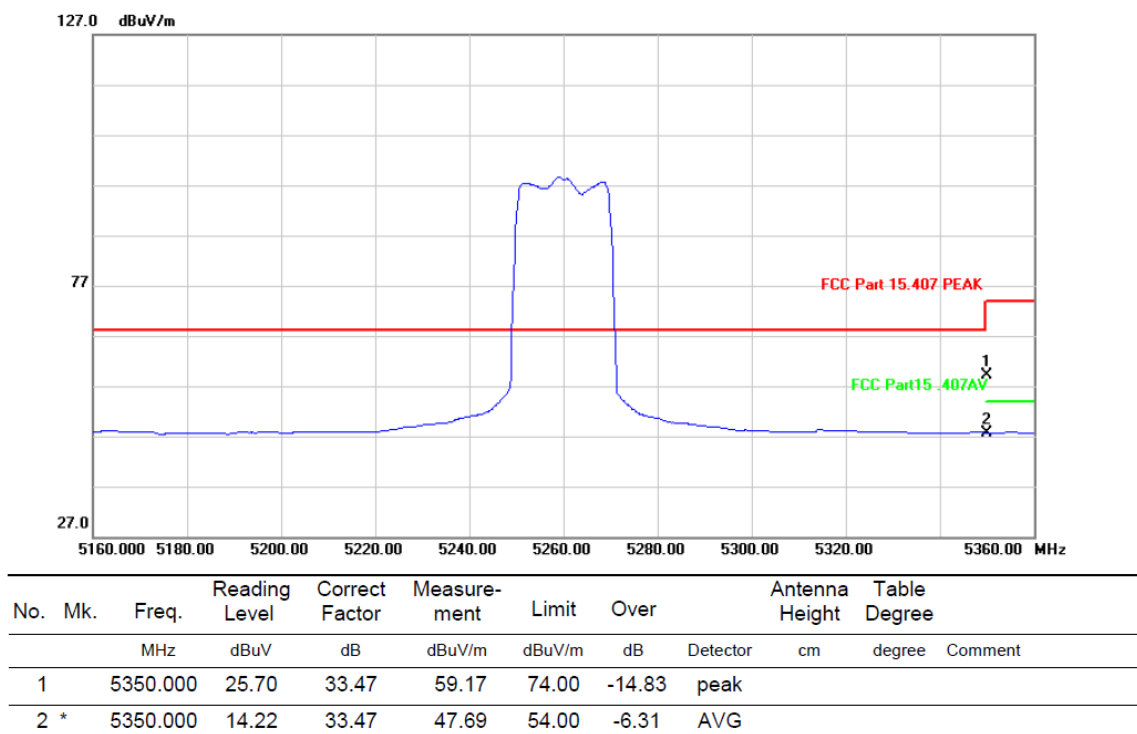
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	25.84	33.47	59.31	74.00	-14.69			peak
2 *		5350.000	14.25	33.47	47.72	54.00	-6.28			AVG

HORIZONTALA

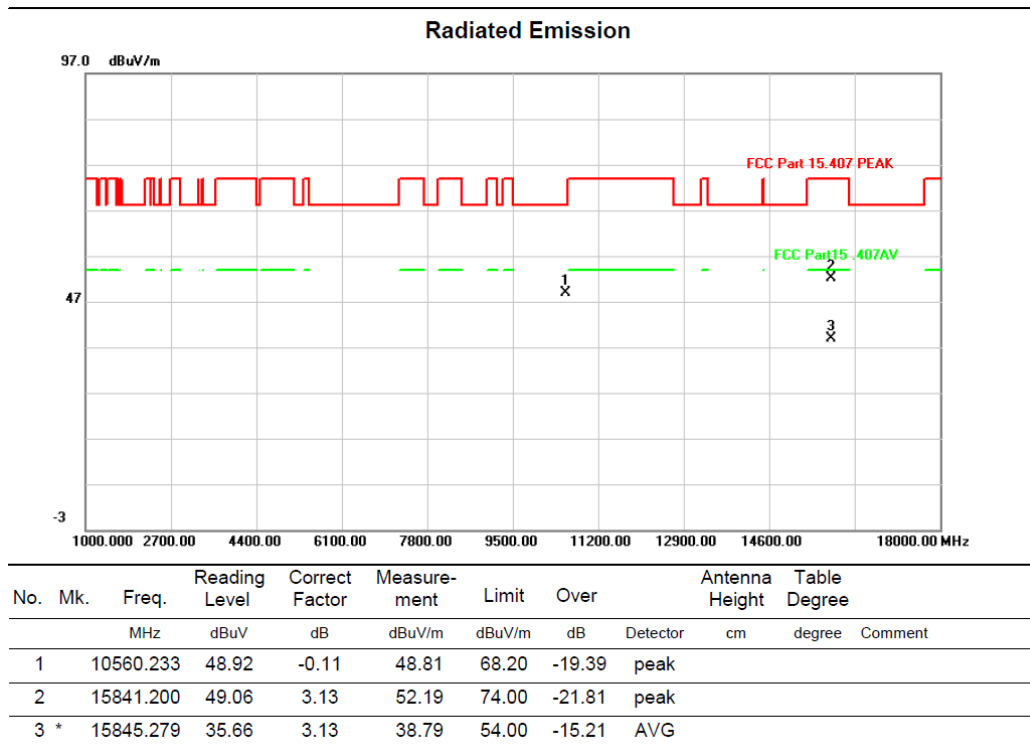
Radiated Emission



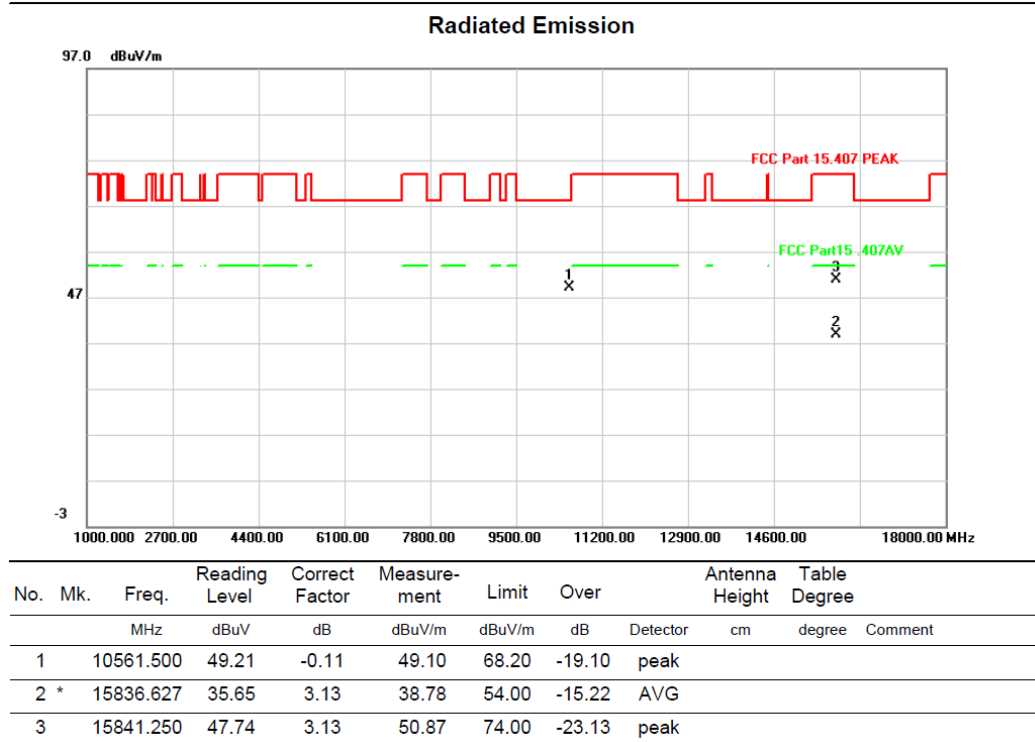
Radiated Emission



VERTICAL

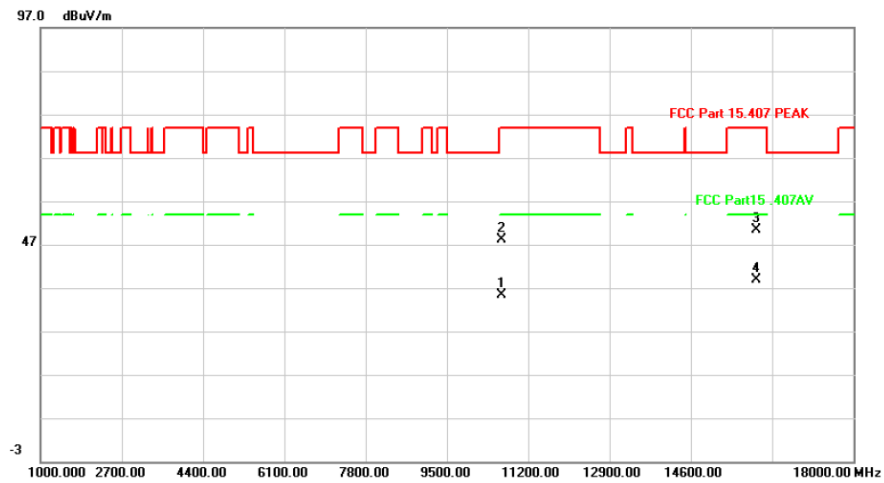


HORIZONTAL



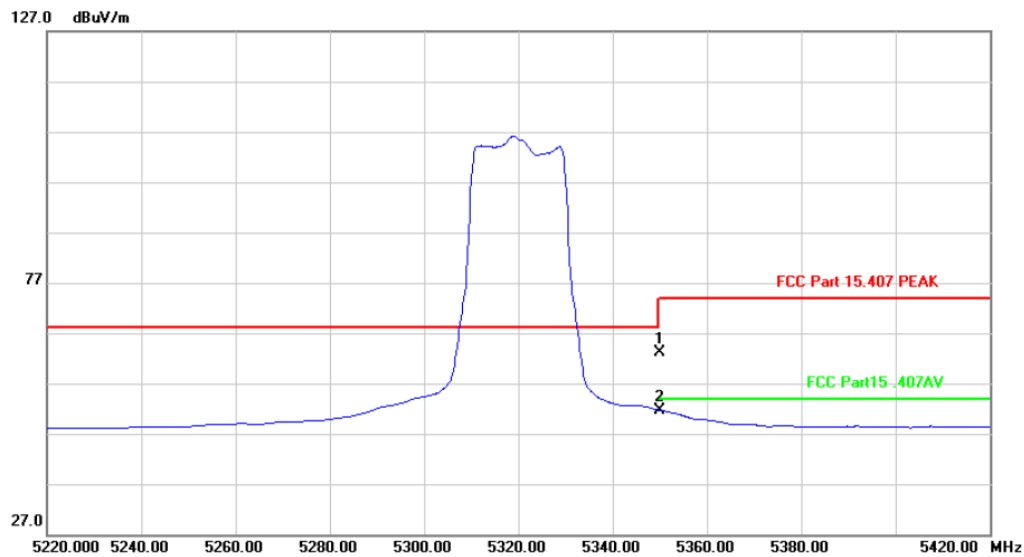
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10636.696	35.24	0.22	35.46	54.00	-18.54	AVG		
2		10642.400	47.95	0.25	48.20	74.00	-25.80	peak		
3		15960.500	47.18	3.11	50.29	74.00	-23.71	peak		
4 *		15964.999	35.76	3.11	38.87	54.00	-15.13	AVG		

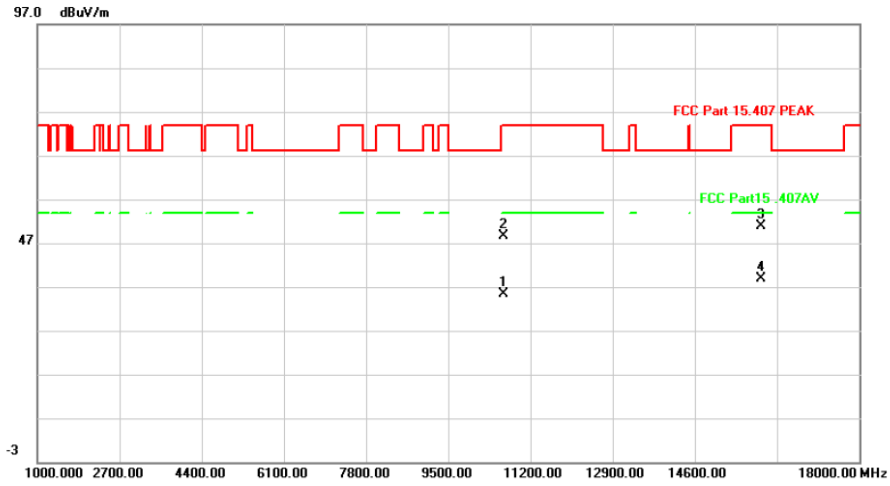
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	29.65	33.47	63.12	74.00	-10.88	peak		
2 *		5350.000	18.24	33.47	51.71	54.00	-2.29	AVG		

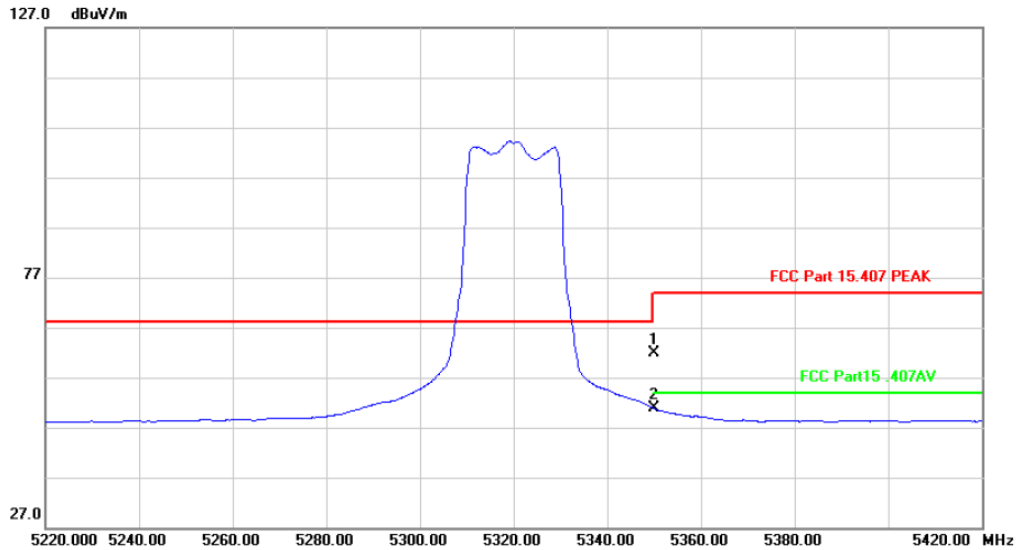
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10639.908	35.18	0.24	35.42	54.00	-18.58	AVG		
2		10649.200	48.46	0.28	48.74	74.00	-25.26	peak		
3		15960.850	47.69	3.11	50.80	74.00	-23.20	peak		
4 *		15967.637	35.84	3.11	38.95	54.00	-15.05	AVG		

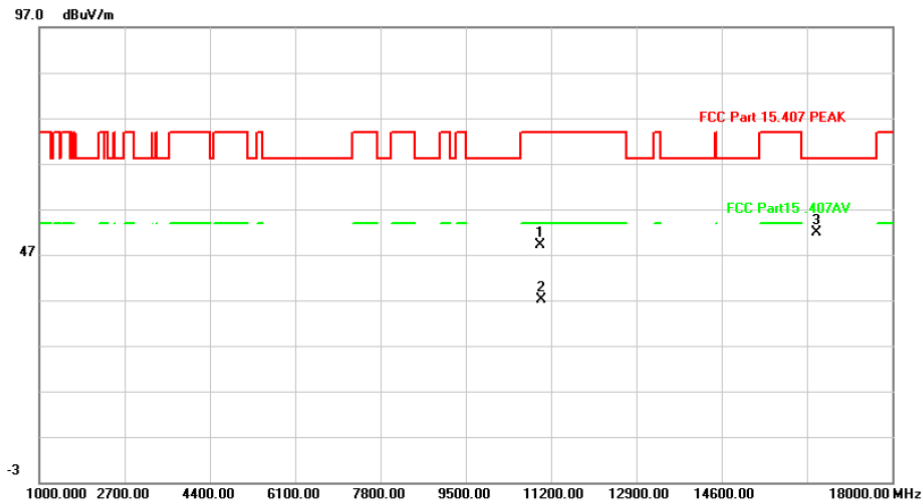
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	28.41	33.47	61.88	74.00	-12.12	peak		
2 *		5350.000	17.38	33.47	50.85	54.00	-3.15	AVG		

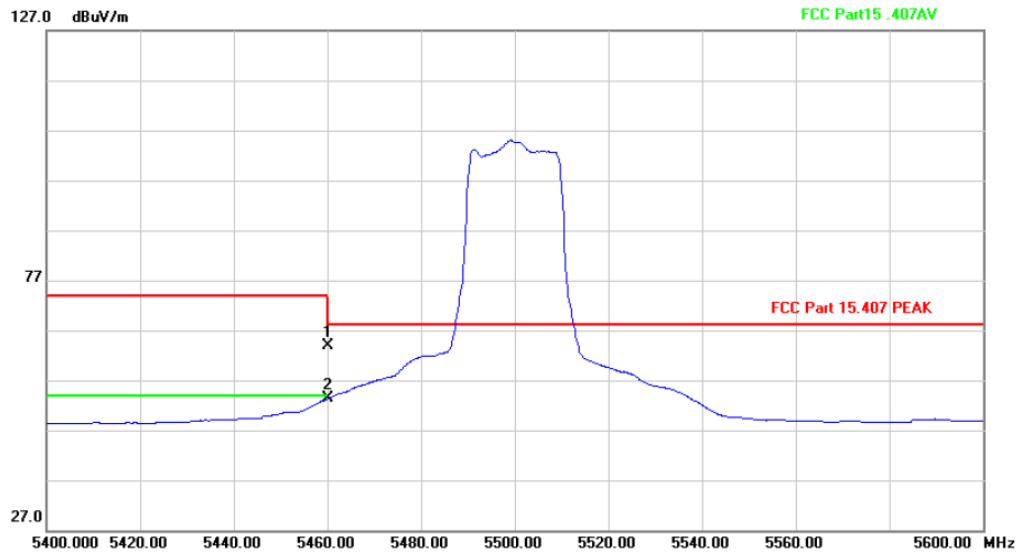
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10992.600	47.41	1.80	49.21	74.00	-24.79	peak		
2		10999.848	35.19	1.83	37.02	54.00	-16.98	AVG		
3 *		16500.267	47.57	4.27	51.84	68.20	-16.36	peak		

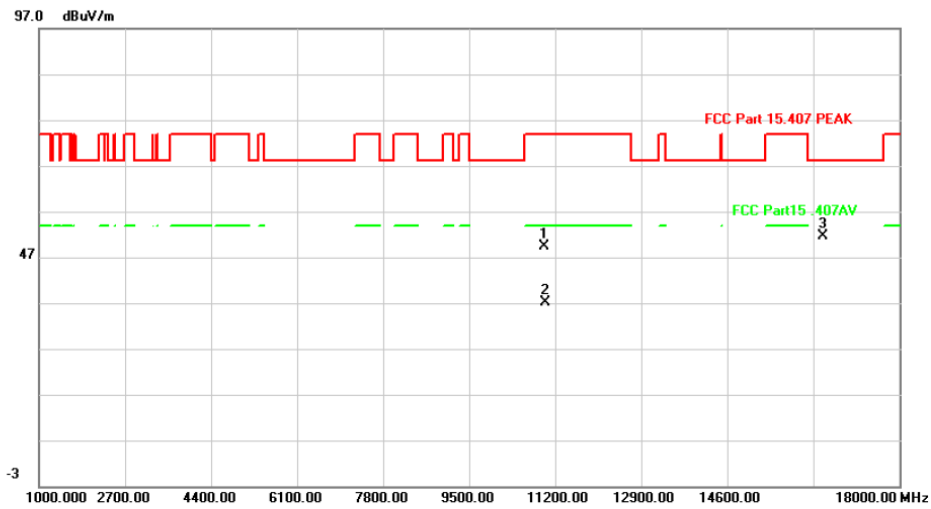
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5460.000	30.46	33.49	63.95	74.00	-10.05	peak		
2 *		5460.000	19.80	33.49	53.29	54.00	-0.71	AVG		

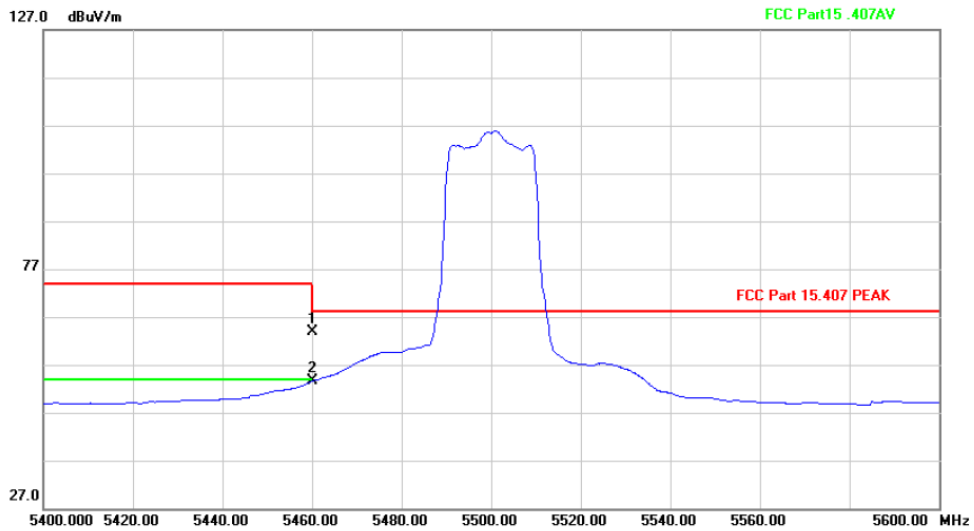
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10992.033	47.55	1.79	49.34	74.00	-24.66	peak		
2		11000.016	35.21	1.83	37.04	54.00	-16.96	AVG		
3 *		16501.733	47.39	4.27	51.66	68.20	-16.54	peak		

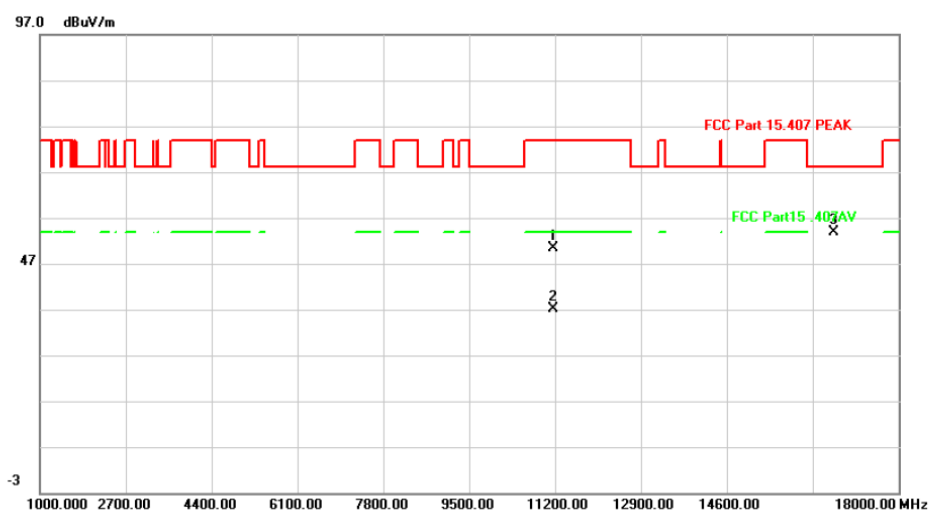
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5460.000	30.45	33.49	63.94	74.00	-10.06	peak		
2 *		5460.000	20.10	33.49	53.59	54.00	-0.41	AVG		

VERTICAL

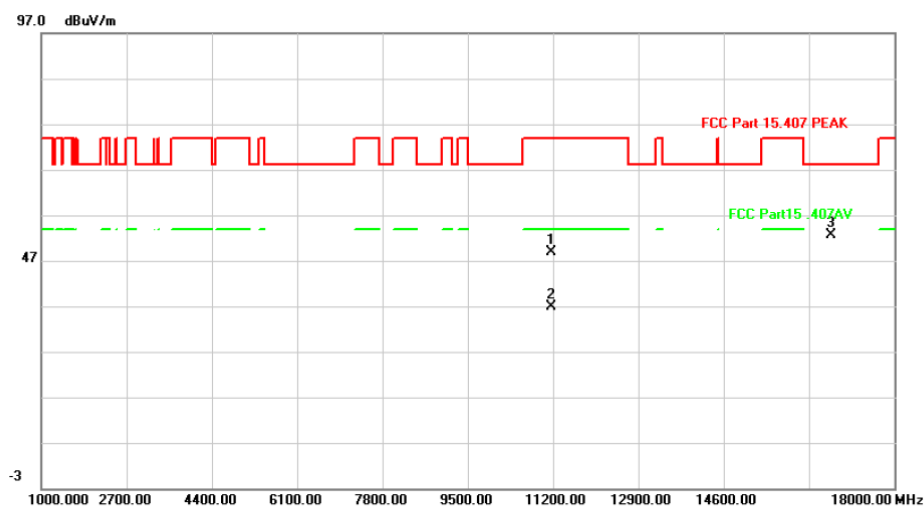
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1		11159.200	48.00	2.30	50.30	74.00	-23.70	peak		
2		11163.944	34.81	2.32	37.13	54.00	-16.87	AVG		
3	*	16727.267	49.09	4.80	53.89	68.20	-14.31	peak		

HORIZONTAL

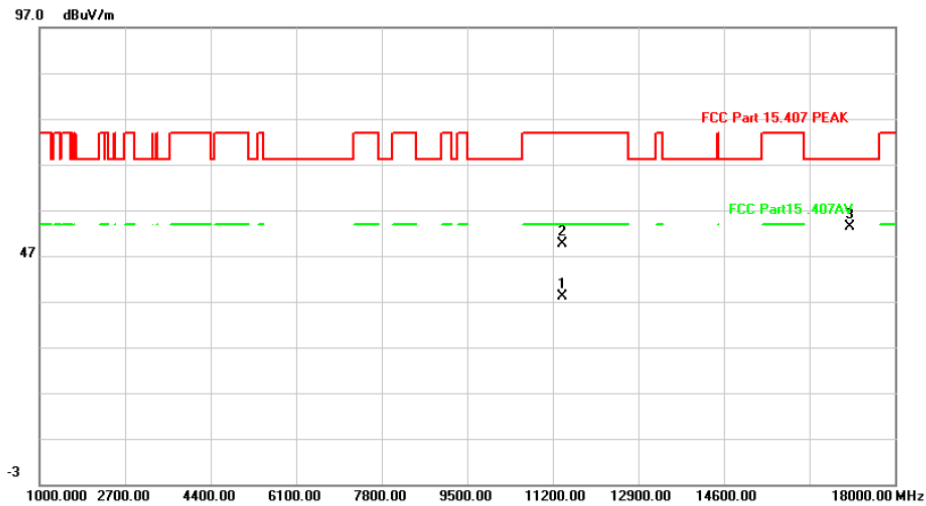
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
1		11158.633	46.59	2.30	48.89	74.00	-25.11	peak		
2		11160.342	34.69	2.30	36.99	54.00	-17.01	AVG		
3	*	16742.567	47.88	4.83	52.71	68.20	-15.49	peak		

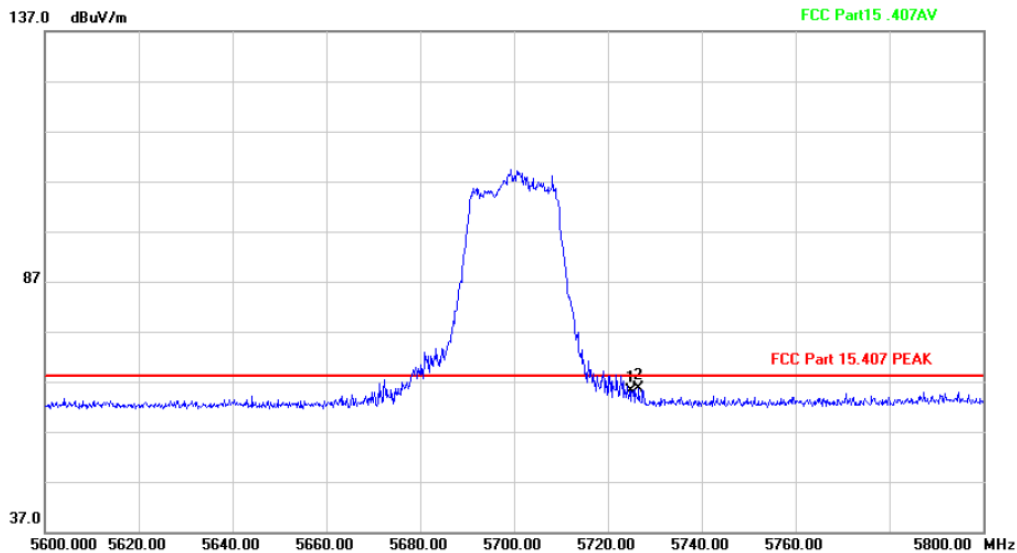
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11398.391	35.20	3.01	38.21	54.00	-15.79	AVG		
2		11402.300	46.73	3.02	49.75	74.00	-24.25	peak		
3 *		17100.033	47.46	6.01	53.47	68.20	-14.73	peak		

Radiated Emission



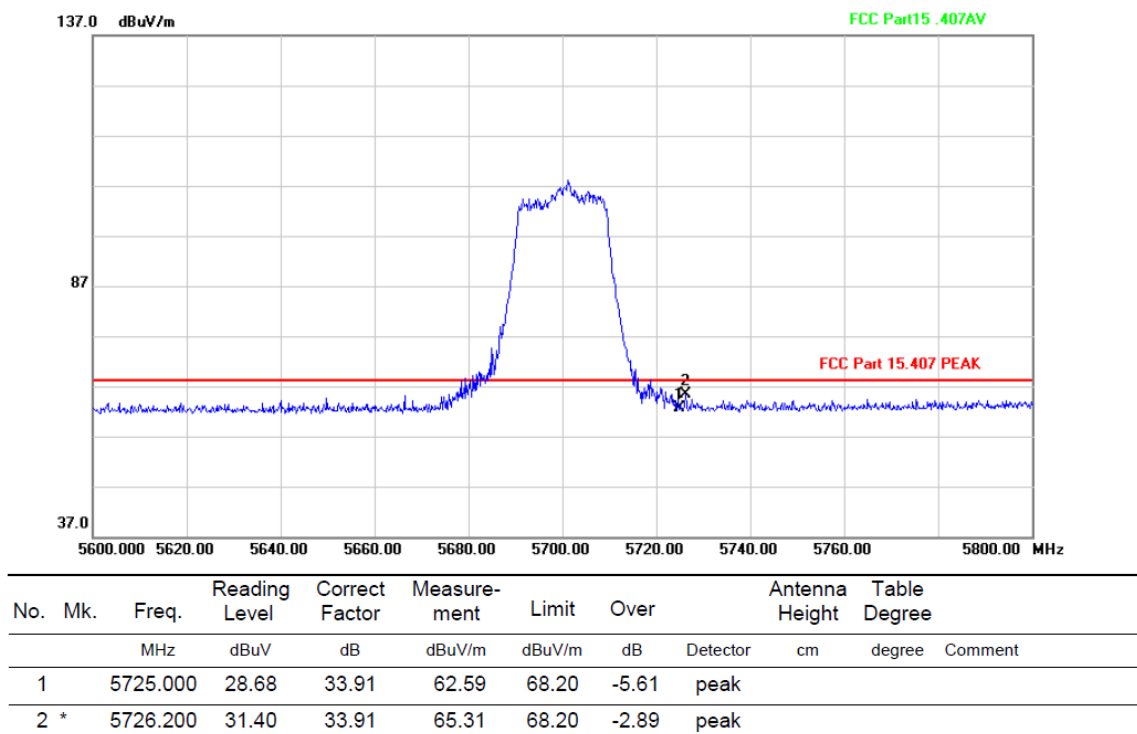
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5725.000	31.24	33.91	65.15	68.20	-3.05	peak		
2 *		5726.600	31.71	33.91	65.62	68.20	-2.58	peak		

HORIZONTALA

Radiated Emission

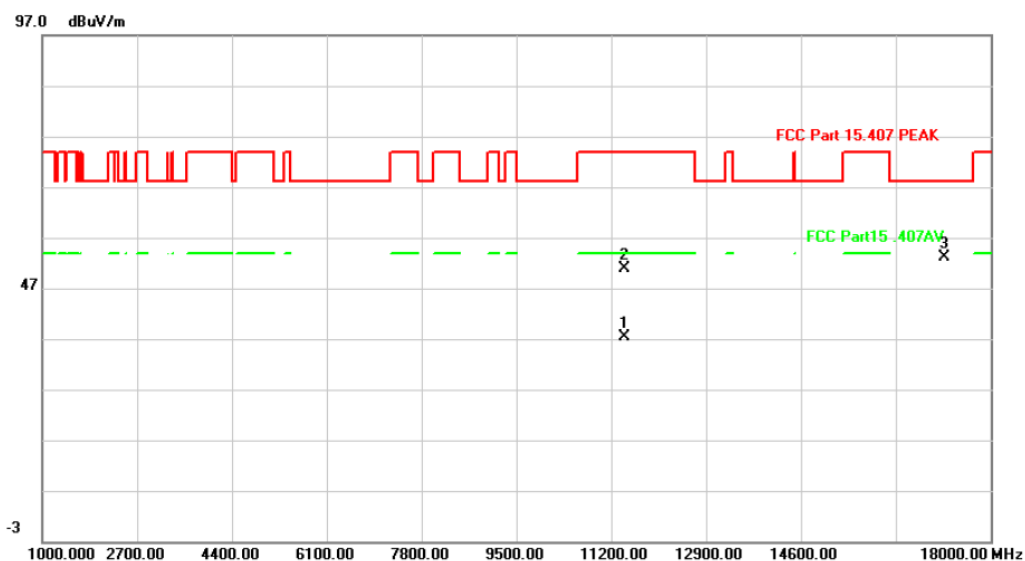


Radiated Emission



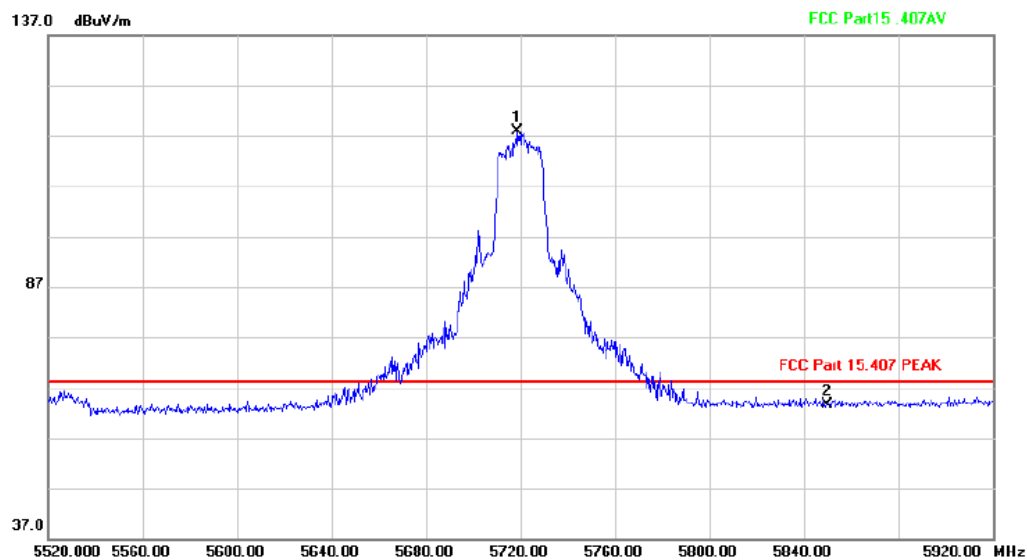
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11436.433	34.29	3.12	37.41	54.00	-16.59	AVG		
2		11436.867	47.83	3.12	50.95	74.00	-23.05	peak		
3 *		17162.467	47.19	6.04	53.23	68.20	-14.97	peak		

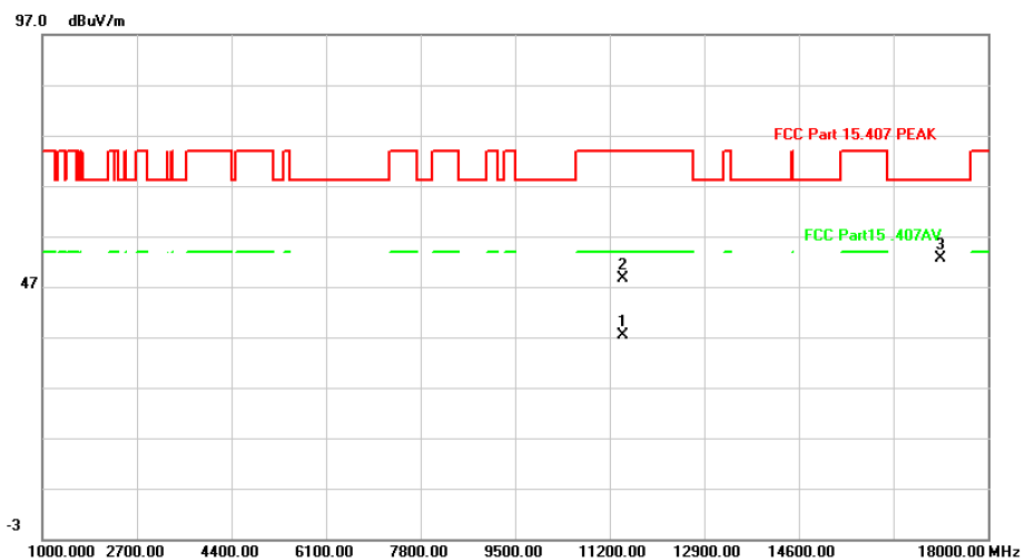
Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1 *		5718.800	83.96	33.89	117.85	68.20	49.65	peak		
2		5850.000	29.49	34.13	63.62	68.20	-4.58	peak		

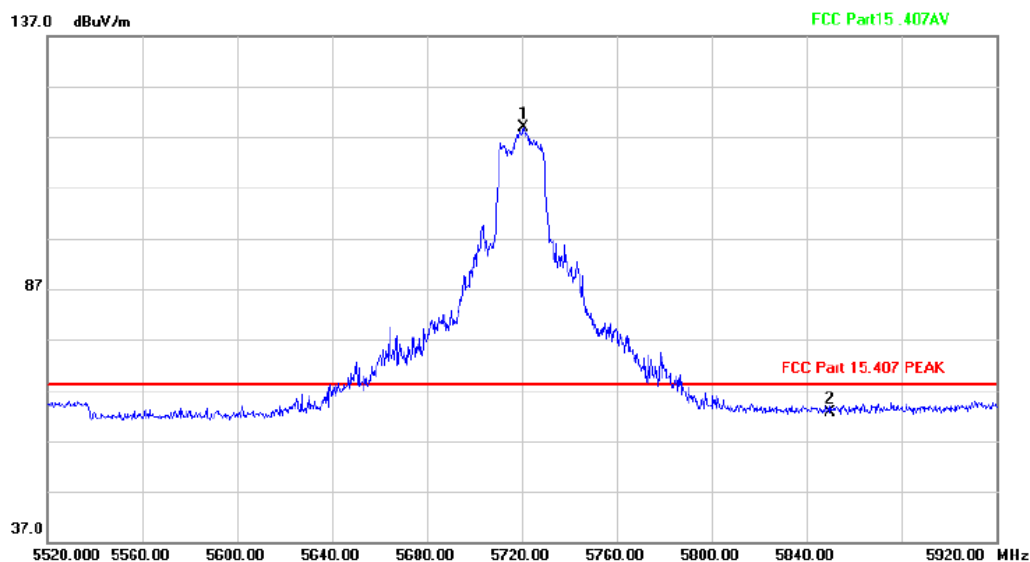
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11432.350	34.18	3.11	37.29	54.00	-16.71	AVG		
2		11441.400	45.39	3.14	48.53	74.00	-25.47	peak		
3 *		17160.033	46.70	6.03	52.73	68.20	-15.47	peak		

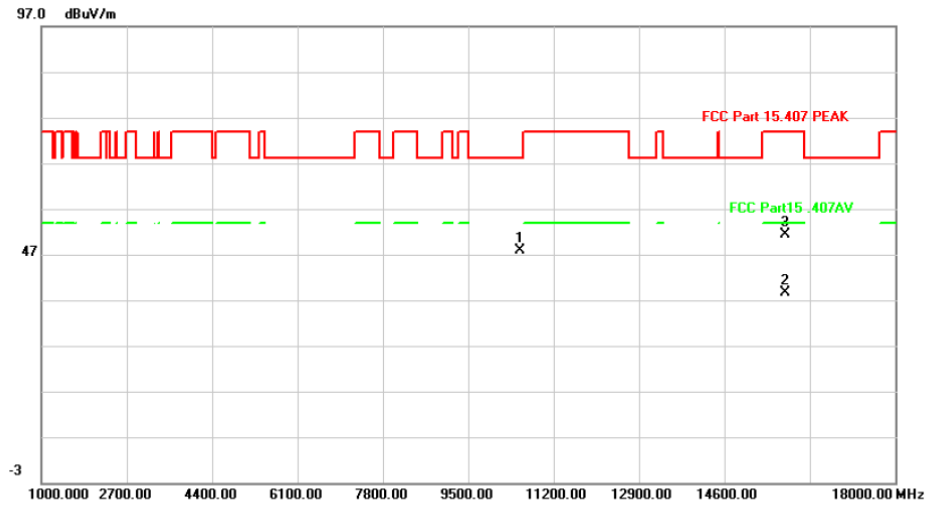
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1 *		5720.800	85.04	33.90	118.94	68.20	50.74	peak		
2		5850.000	28.61	34.13	62.74	68.20	-5.46	peak		

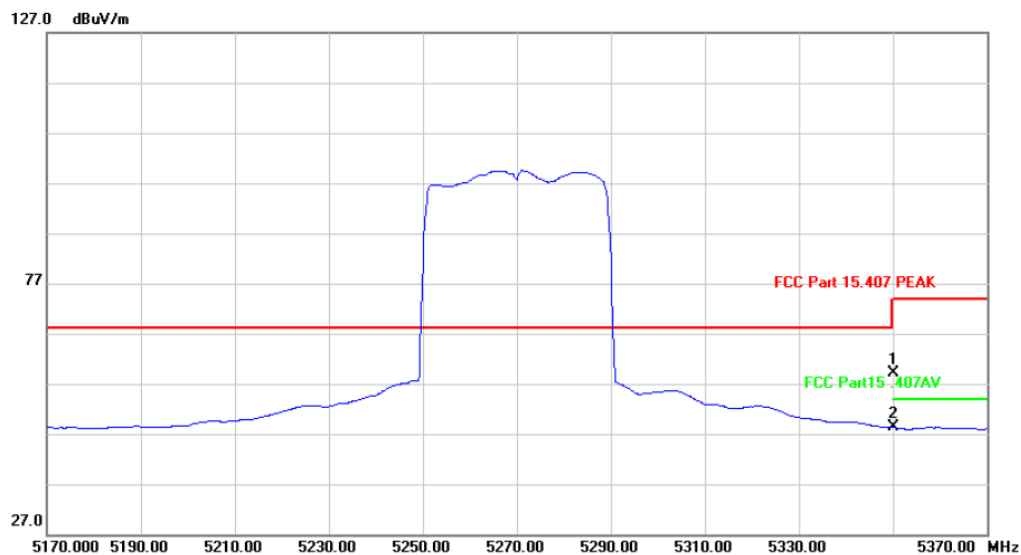
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10541.533	48.15	-0.20	47.95	68.20	-20.25	peak		
2 *		15816.661	35.54	3.13	38.67	54.00	-15.33	AVG		
3		15818.900	48.30	3.13	51.43	74.00	-22.57	peak		

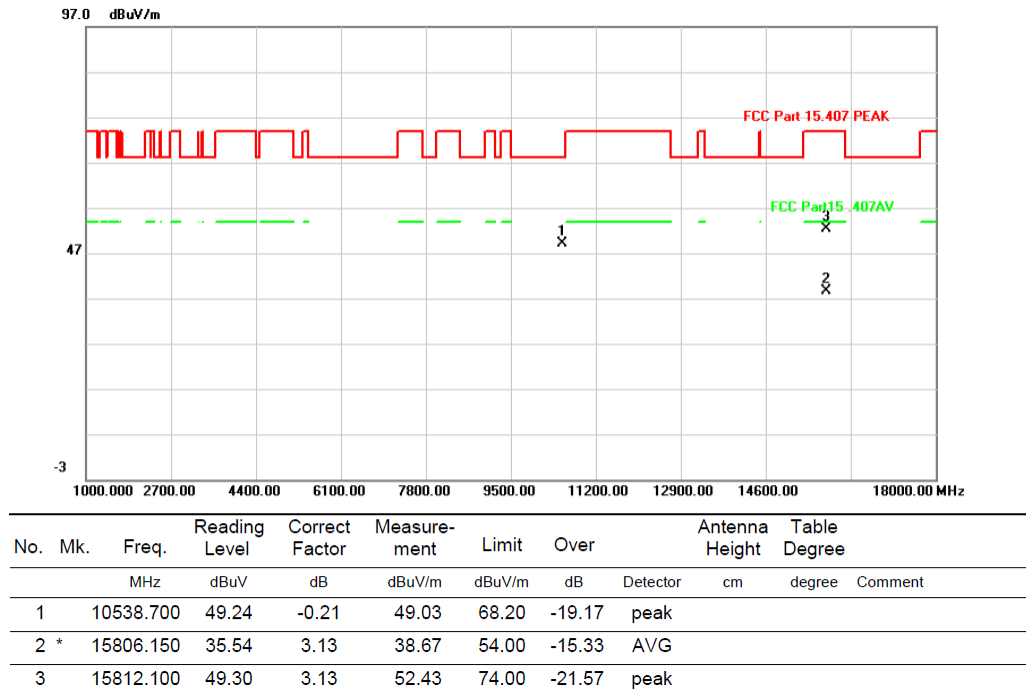
Radiated Emission



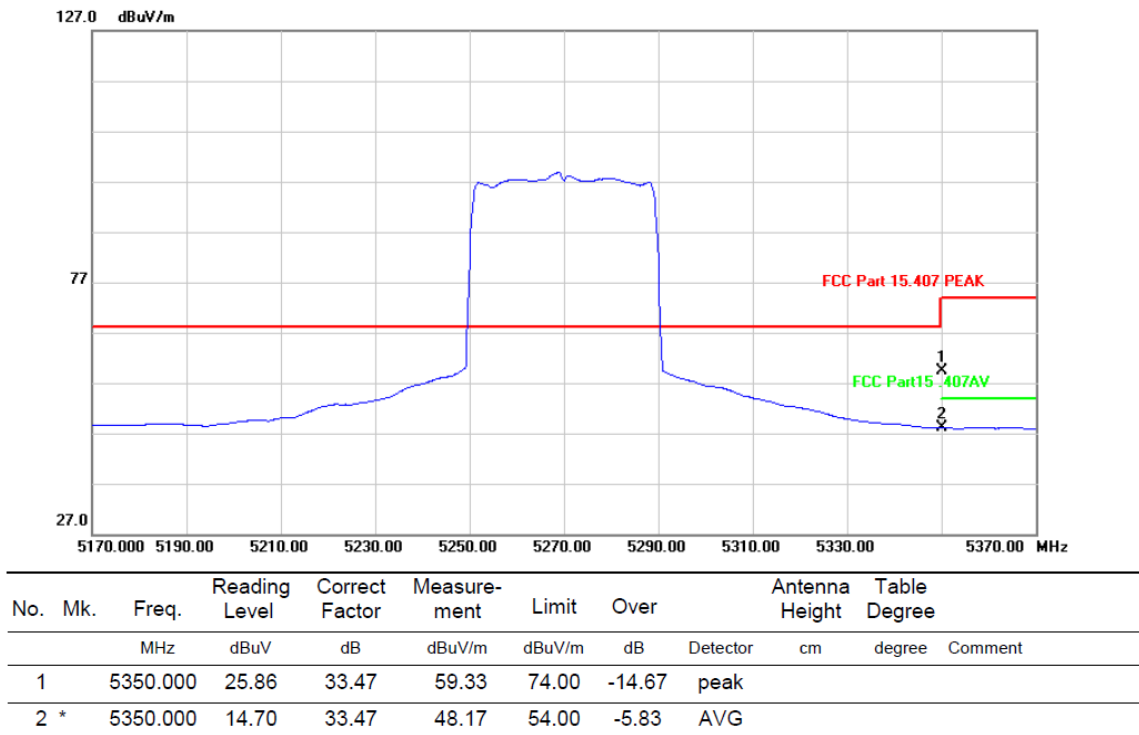
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	25.67	33.47	59.14	74.00	-14.86	peak		
2 *		5350.000	14.80	33.47	48.27	54.00	-5.73	AVG		

HORIZONTALA

Radiated Emission

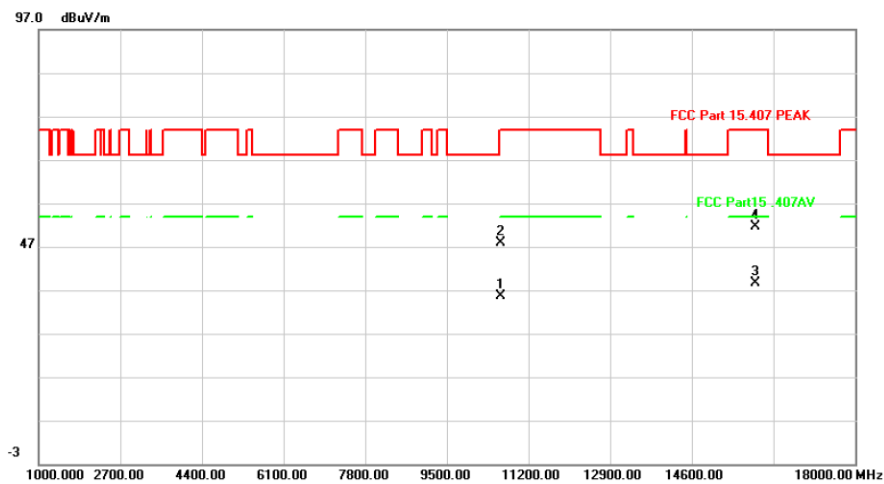


Radiated Emission



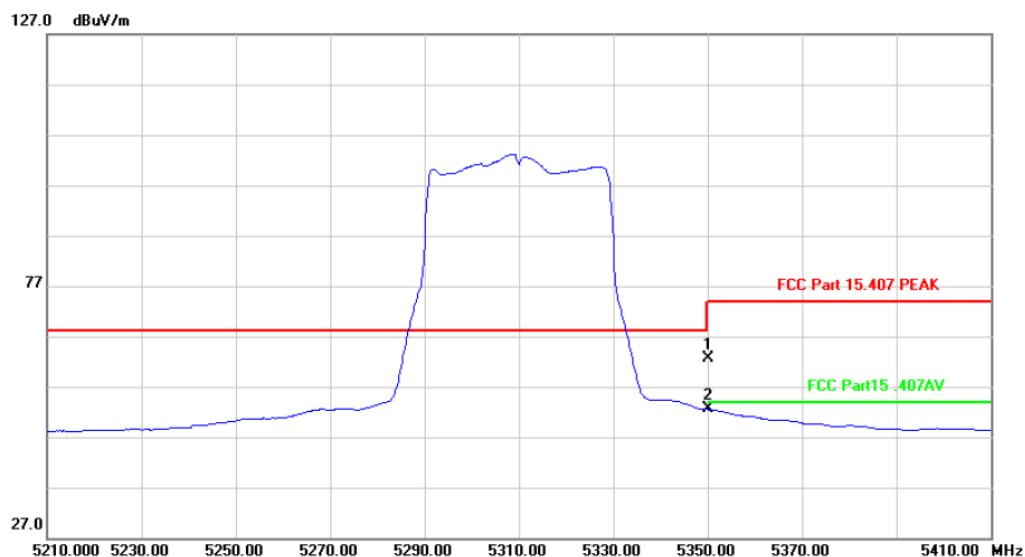
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10614.482	35.51	0.13	35.64	54.00	-18.36	AVG		
2		10620.500	47.67	0.15	47.82	74.00	-26.18	peak		
3 *		15927.301	35.63	3.12	38.75	54.00	-15.25	AVG		
4		15929.400	48.60	3.12	51.72	74.00	-22.28	peak		

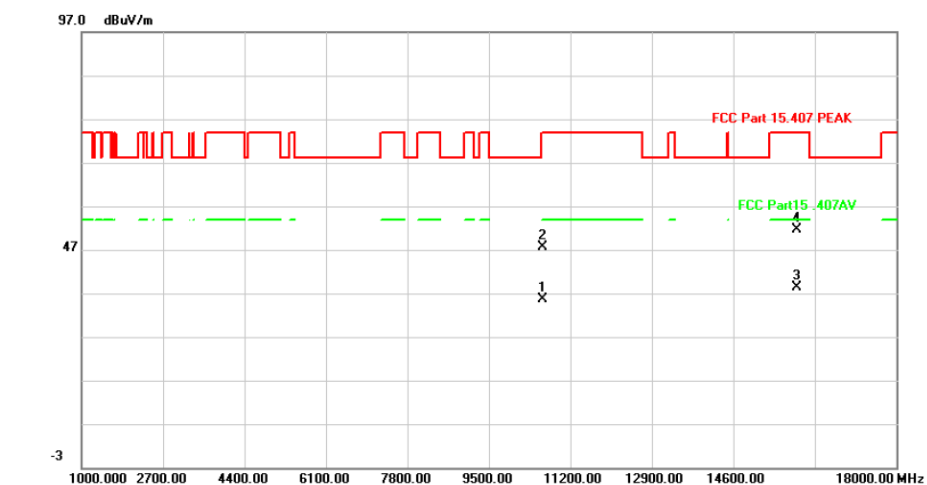
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	29.22	33.47	62.69	74.00	-11.31	peak		
2 *		5350.000	19.05	33.47	52.52	54.00	-1.48	AVG		

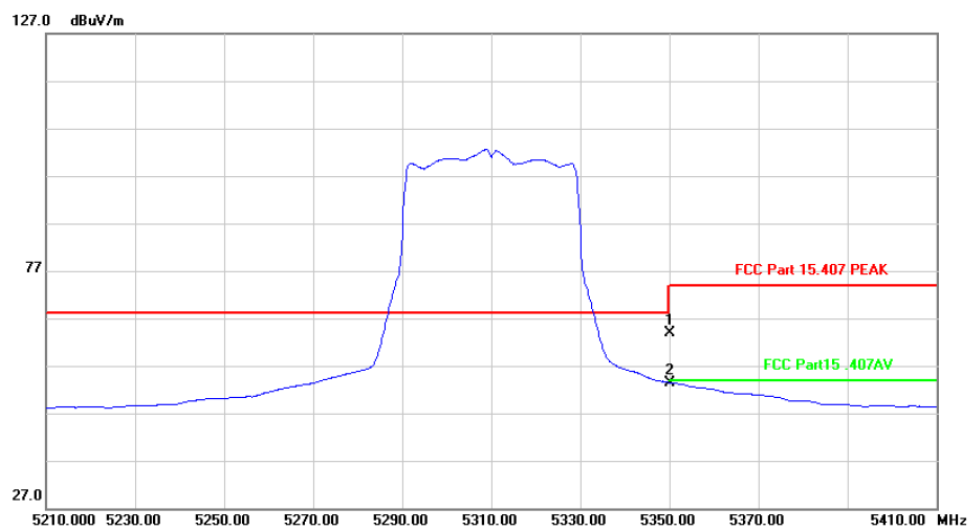
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10615.289	35.52	0.13	35.65	54.00	-18.35	AVG		
2		10623.700	47.43	0.17	47.60	74.00	-26.40	peak		
3 *		15930.748	35.30	3.12	38.42	54.00	-15.58	AVG		
4		15931.467	48.61	3.12	51.73	74.00	-22.27	peak		

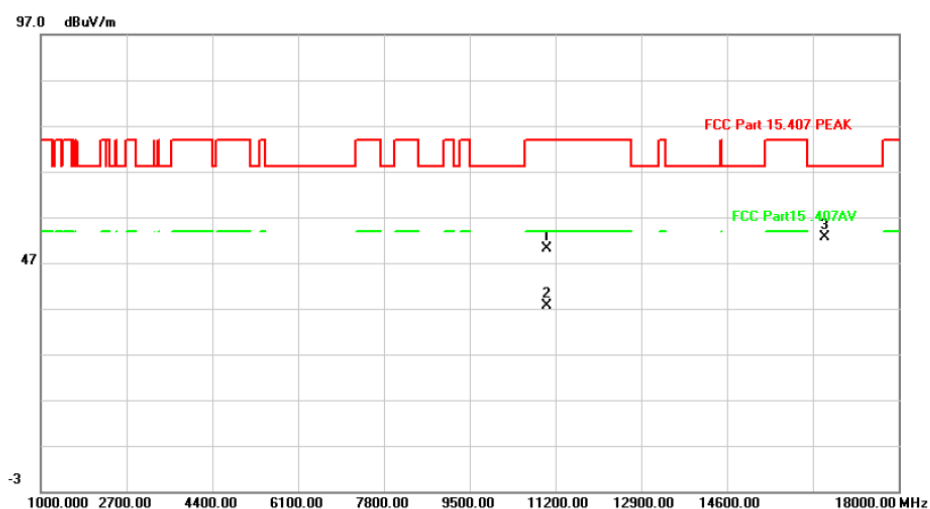
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	30.35	33.47	63.82	74.00	-10.18	peak		
2 *		5350.000	19.98	33.47	53.45	54.00	-0.55	AVG		

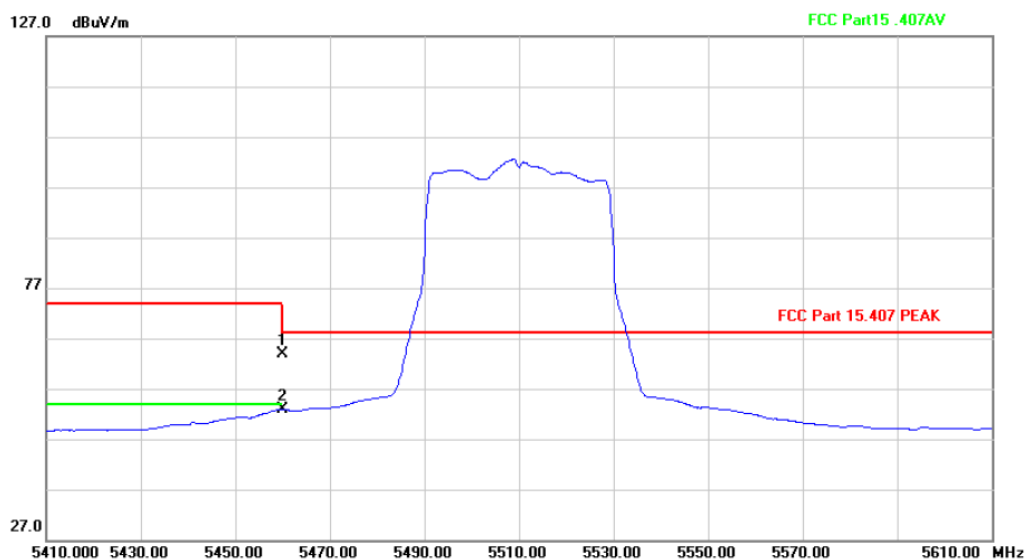
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11020.500	48.19	1.89	50.08	74.00	-23.92	peak		
2		11027.709	35.66	1.91	37.57	54.00	-16.43	AVG		
3 *		16531.750	48.29	4.34	52.63	68.20	-15.57	peak		

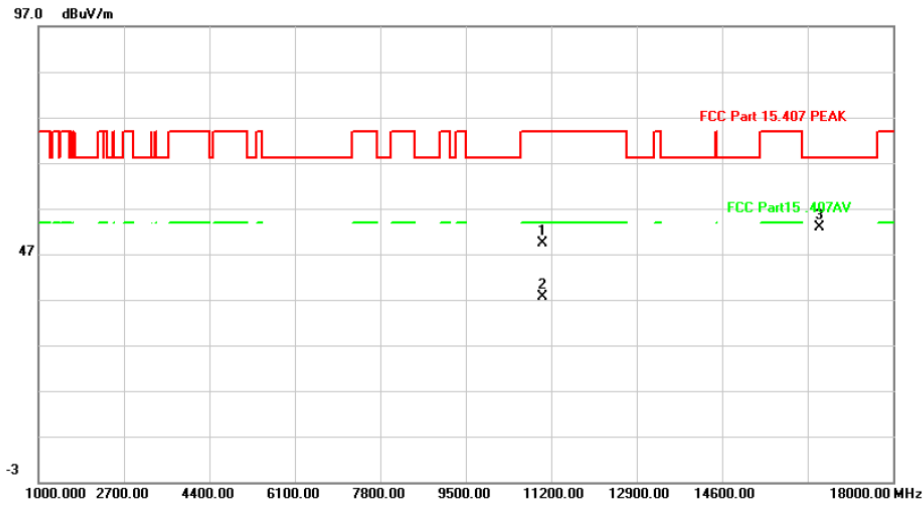
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5460.000	30.45	33.49	63.94	74.00	-10.06	peak		
2 *		5460.000	19.37	33.49	52.86	54.00	-1.14	AVG		

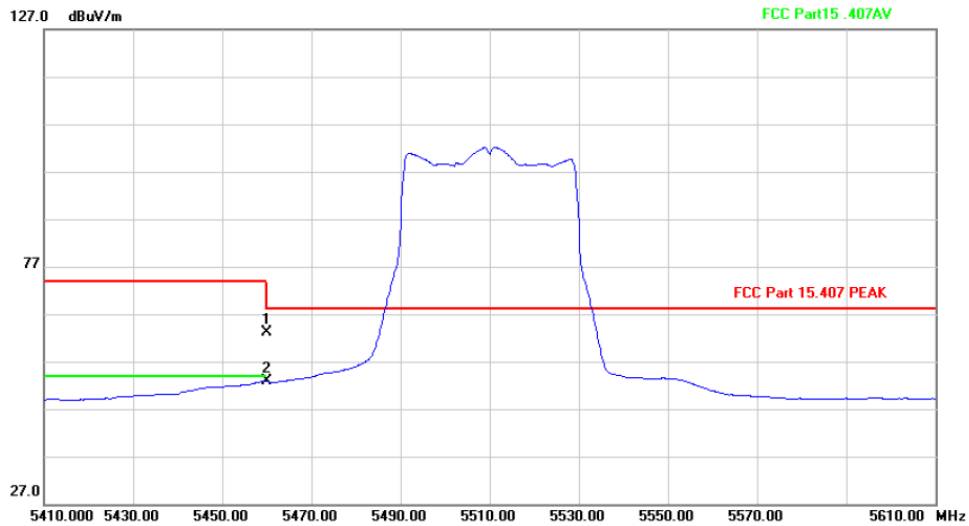
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		11020.500	47.38	1.89	49.27	74.00	-24.73	peak	
2		11027.386	35.65	1.91	37.56	54.00	-16.44	AVG	
3 *		16530.500	48.44	4.34	52.78	68.20	-15.42	peak	

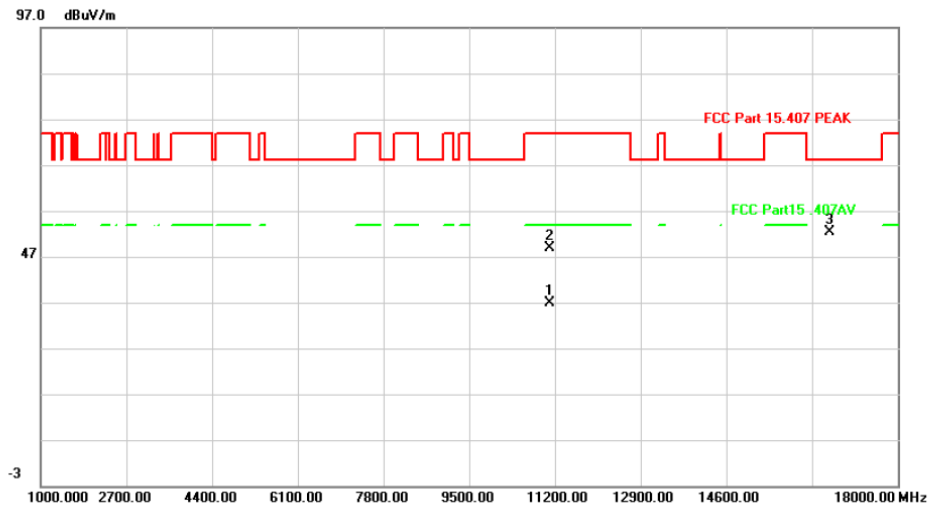
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		5460.000	29.64	33.49	63.13	74.00	-10.87	peak	
2 *		5460.000	19.29	33.49	52.78	54.00	-1.22	AVG	

VERTICAL

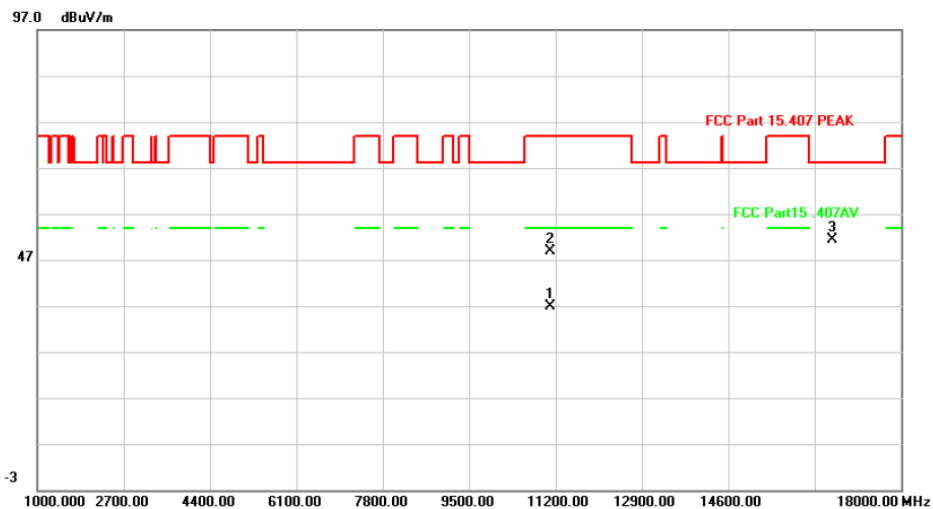
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11099.097	34.74	2.12	36.86	54.00	-17.14	AVG		
2		11107.067	46.85	2.15	49.00	74.00	-25.00	peak		
3 *		16650.433	47.69	4.62	52.31	68.20	-15.89	peak		

HORIZONTAL

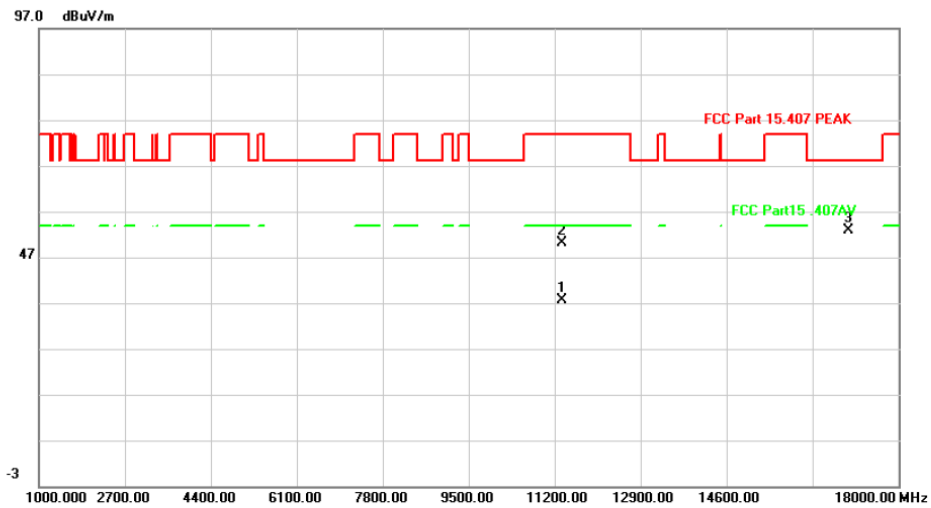
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11091.584	34.74	2.10	36.84	54.00	-17.16	AVG		
2		11101.400	46.70	2.13	48.83	74.00	-25.17	peak		
3 *		16650.700	46.78	4.62	51.40	68.20	-16.80	peak		

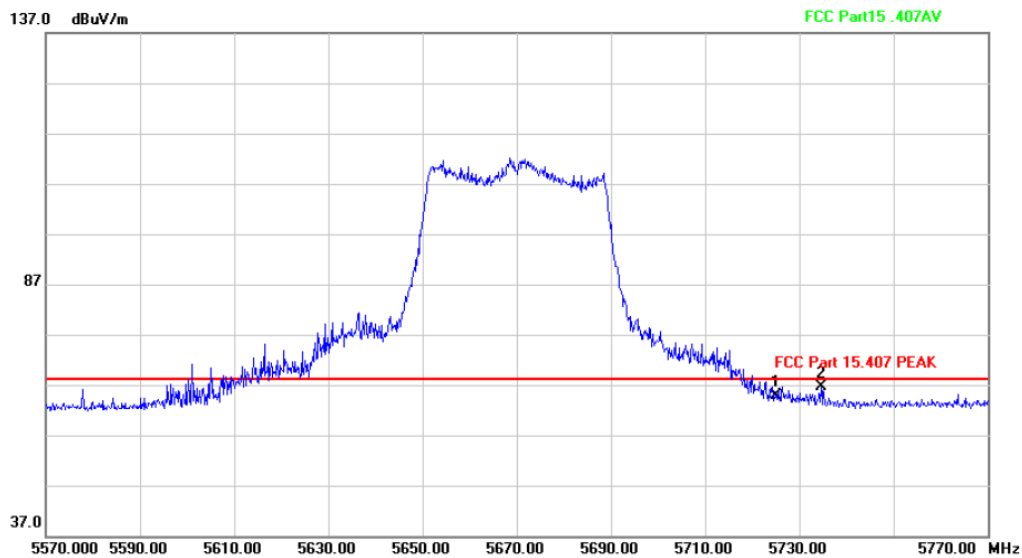
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11338.857	34.91	2.83	37.74	54.00	-16.26	AVG		
2		11341.500	47.28	2.84	50.12	74.00	-23.88	peak		
3 *		17010.000	47.30	5.49	52.79	68.20	-15.41	peak		

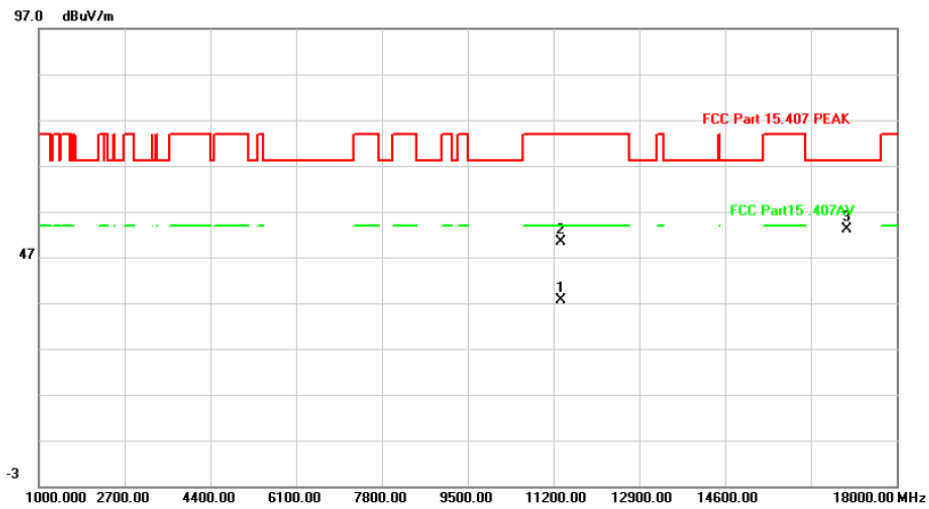
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5725.000	30.92	33.91	64.83	68.20	-3.37	peak		
2 *		5734.600	32.79	33.92	66.71	68.20	-1.49	peak		

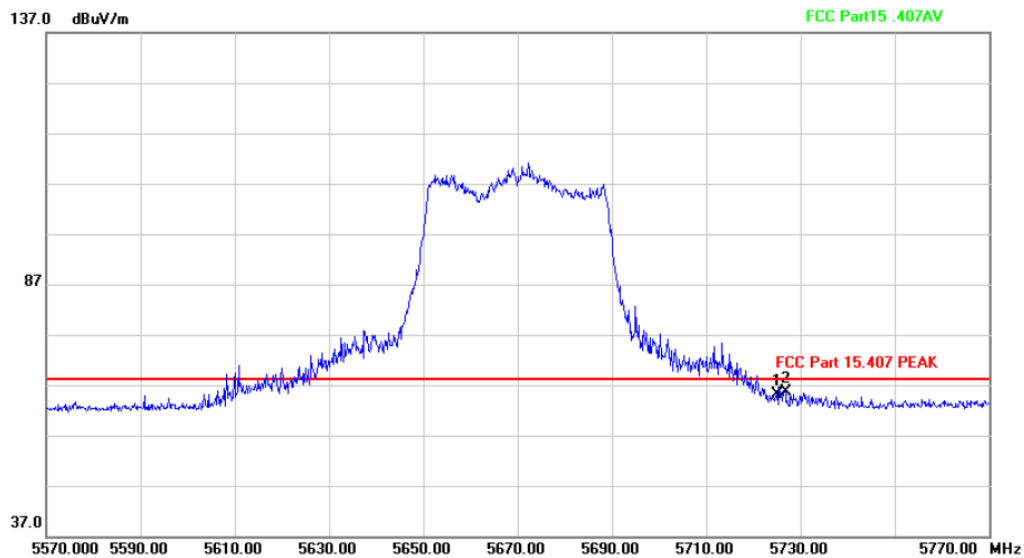
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		11339.106	34.72	2.83	37.55	54.00	-16.45	AVG	
2		11340.700	47.57	2.84	50.41	74.00	-23.59	peak	
3 *		17010.500	47.73	5.49	53.22	68.20	-14.98	peak	

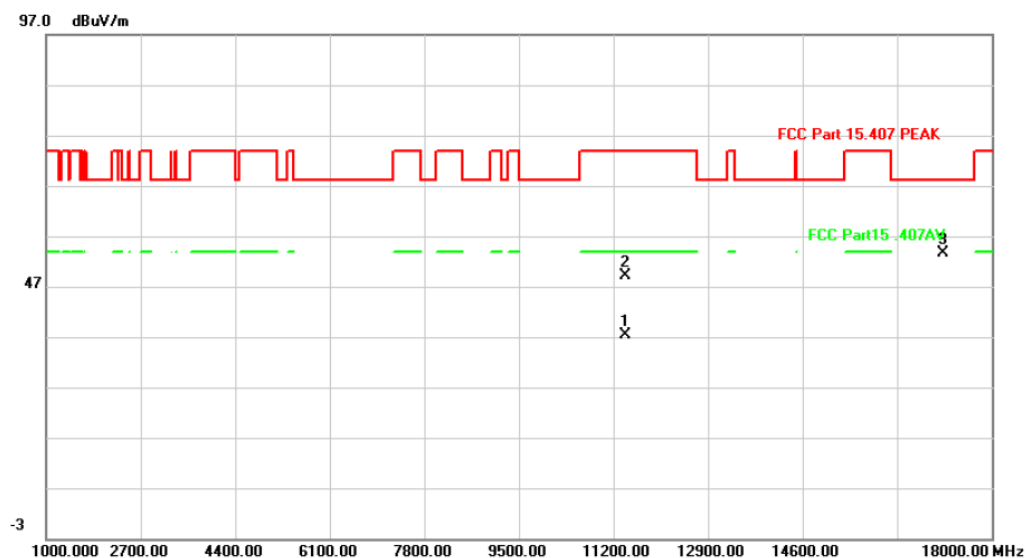
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		5725.000	31.19	33.91	65.10	68.20	-3.10	peak	
2 *		5726.800	31.75	33.91	65.66	68.20	-2.54	peak	

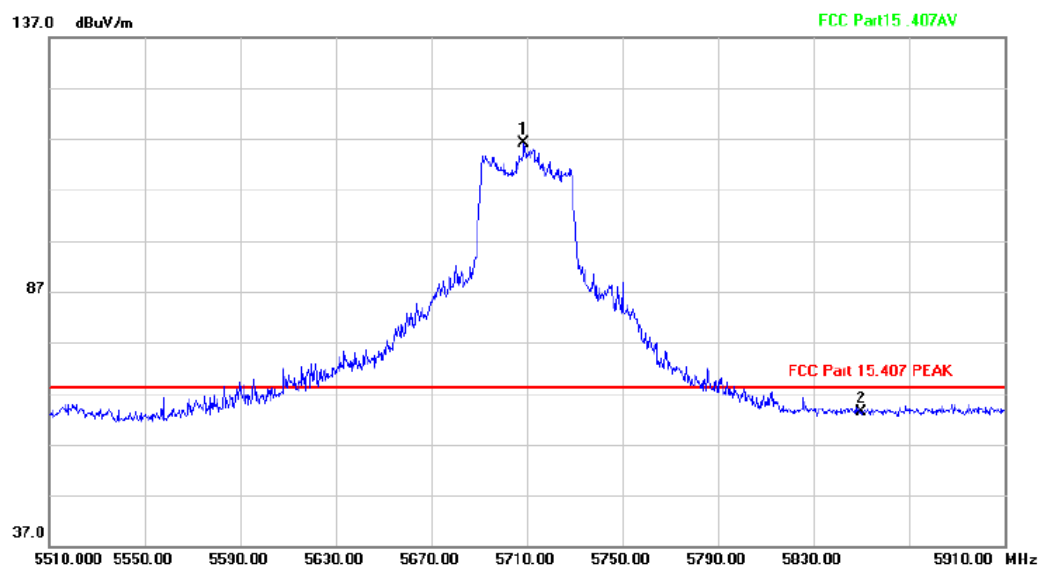
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		11413.956	34.44	3.06	37.50	54.00	-16.50	AVG	
2		11421.860	46.07	3.08	49.15	74.00	-24.85	peak	
3 *		17130.850	47.62	5.92	53.54	68.20	-14.66	peak	

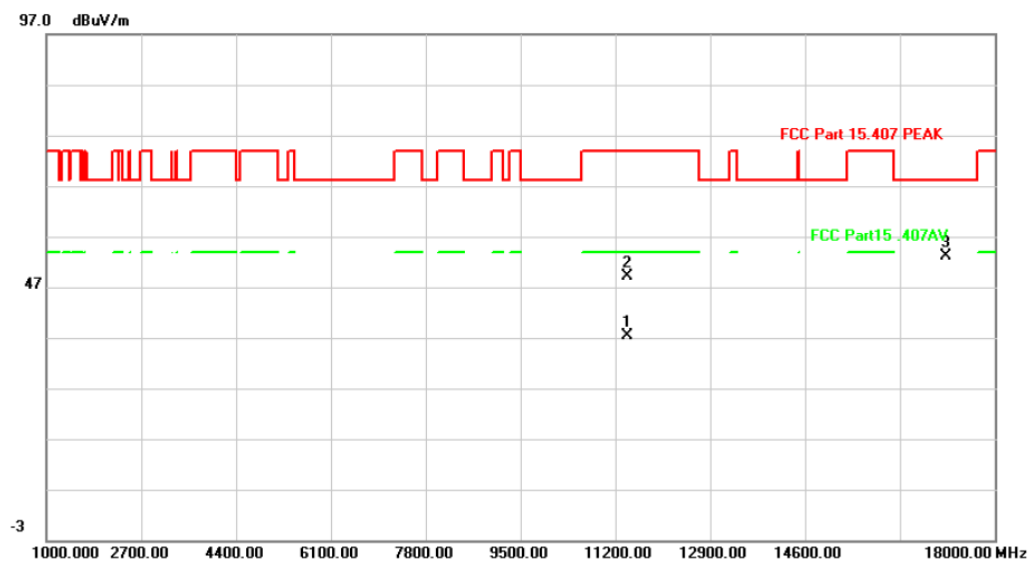
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1 *		5708.800	82.30	33.88	116.18	68.20	47.98	peak	
2		5850.000	29.25	34.13	63.38	68.20	-4.82	peak	

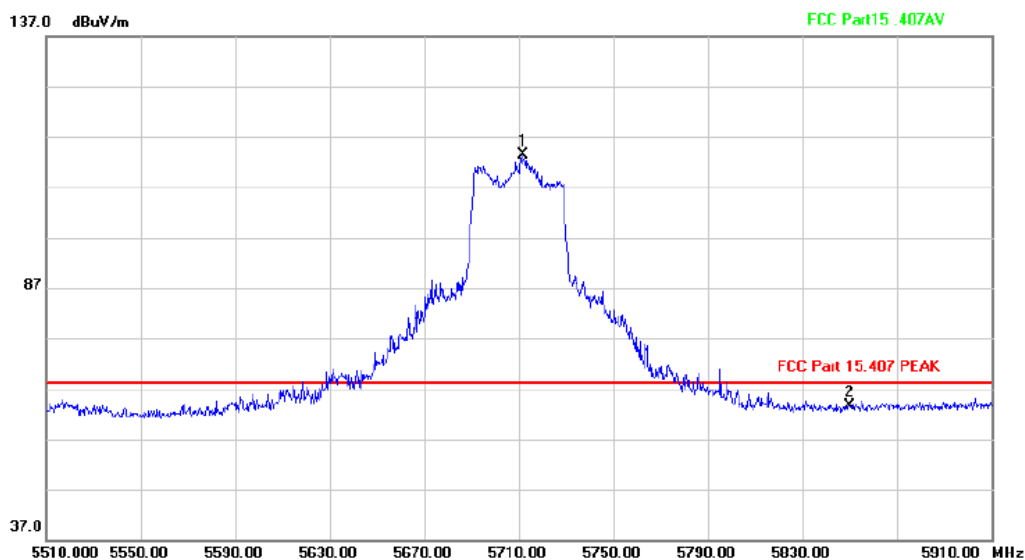
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11413.964	34.32	3.06	37.38	54.00	-16.62	AVG		
2		11421.000	45.97	3.08	49.05	74.00	-24.95	peak		
3 *		17130.730	47.17	5.92	53.09	68.20	-15.11	peak		

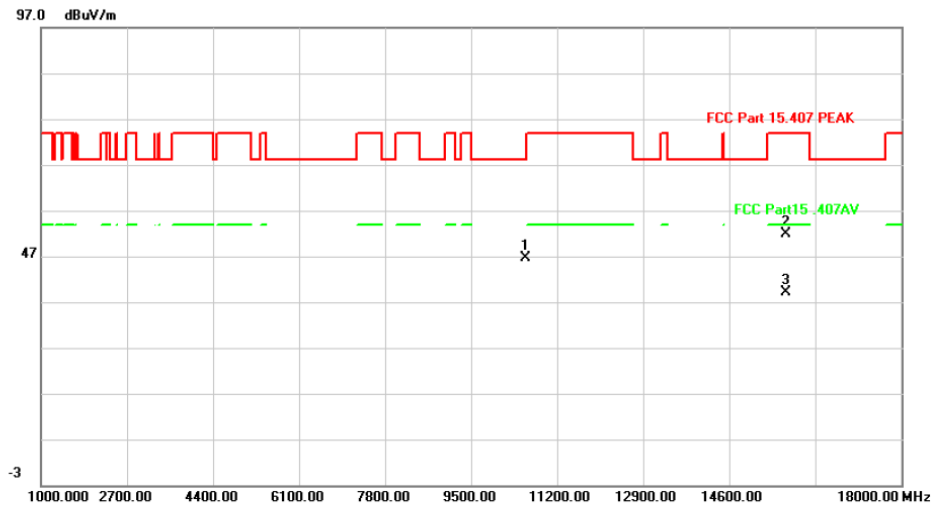
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1 *		5711.600	79.48	33.88	113.36	68.20	45.16	peak		
2		5850.000	29.62	34.13	63.75	68.20	-4.45	peak		

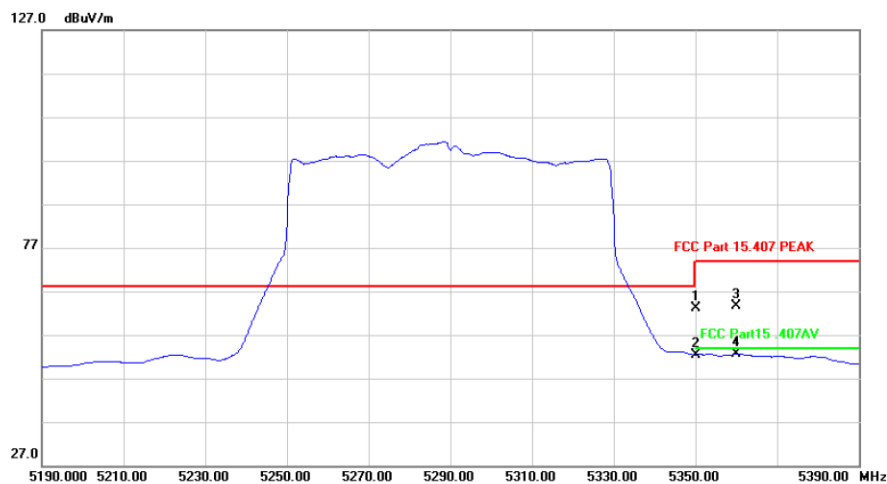
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10580.540	46.64	-0.02	46.62	68.20	-21.58	peak		
2		15723.133	48.68	3.14	51.82	74.00	-22.18	peak		
3 *		15723.133	35.89	3.14	39.03	54.00	-14.97	AVG		

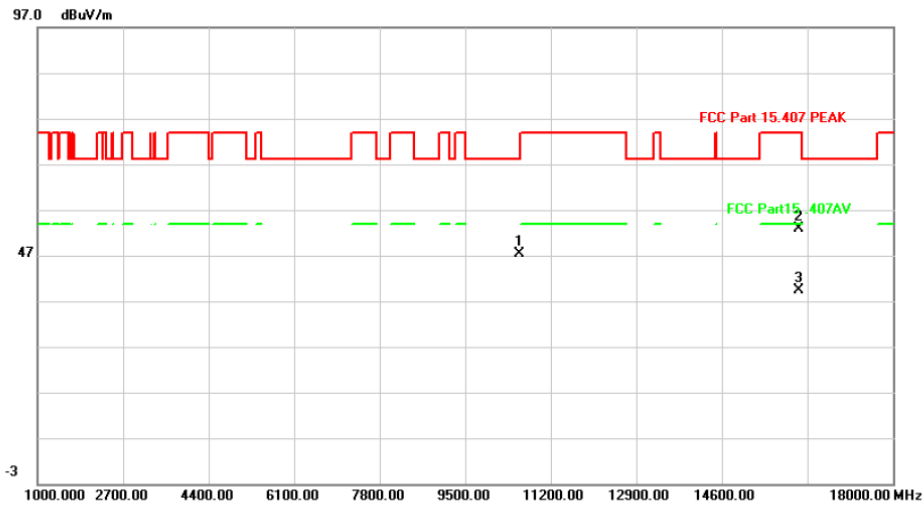
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	29.54	33.47	63.01	74.00	-10.99	peak		
2		5350.000	18.97	33.47	52.44	54.00	-1.56	AVG		
3		5360.000	30.16	33.47	63.63	74.00	-10.37	peak		
4 *		5360.000	19.14	33.47	52.61	54.00	-1.39	AVG		

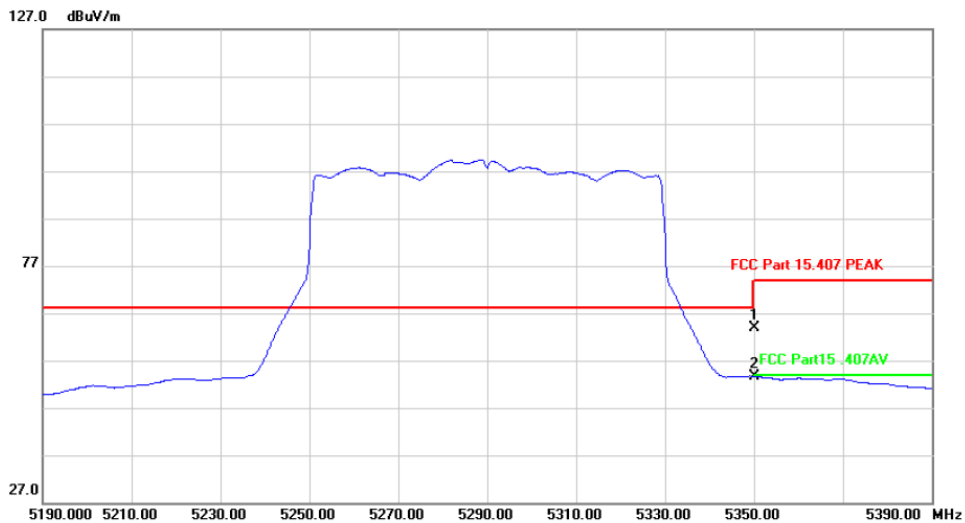
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10580.540	47.42	-0.02	47.40	68.20	-20.80	peak		
2		16119.800	49.58	3.39	52.97	74.00	-21.03	peak		
3 *		16119.800	35.97	3.39	39.36	54.00	-14.64	AVG		

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	30.35	33.47	63.82	74.00	-10.18	peak		
2 *		5350.000	20.17	33.47	53.64	54.00	-0.36	AVG		