



## FCC PART 90

## TEST REPORT

For

### Hytera Communications Corporation Limited

Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen,  
518057 China

**FCC ID: YAMAR482GI**

<b>Report Type:</b> Original Report	<b>Product Type:</b> Digital Portable Radio
<b>Report Number:</b>	<u>RDG180503004-00C</u>
<b>Report Date:</b>	<u>2018-05-22</u>
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“\*”

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## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

<b>EUT Name:</b>		Digital Portable Radio
<b>EUT Model:</b>		AR482Gi
<b>Multiple Model:</b>		AR482Gs
<b>FCC ID:</b>		YAMAR482GI
<b>Rated Input Voltage:</b>		DC7.2V from battery or DC12V from adapter.
<b>Adapter Information</b>	<b>Model:</b>	HKA01212010-XQ
	<b>Input:</b>	100-240V~50/60Hz, 0.5A
	<b>Output:</b>	DC12V, 1.0A
<b>External Dimension:</b>		Length (120mm)*Width (59 mm)*High (35 mm)
<b>Serial Number:</b>		180503004
<b>EUT Received Date:</b>		2018.05.03

*Note: The series product models AR482Gs are electrically identical with the tested model AR482Gi, we selected AR482Gi for fully testing. The differences between them were explained in the attached declaration letter.*

### Objective

This test report is prepared on behalf of *Hytera Communications Corporation Limited* in accordance with Part 2, and Part 90 of the Federal Communication Commissions rules.

### Related Submittal(s)/Grant(s)

FCC Part 15C DSS submissions with FCC ID: YAMAR482GI.  
FCC Part 15C DTS submissions with FCC ID: YAMAR482GI.

### Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of federal Regulations Title 47 Part 2, Sub-part J as well as the following individual parts:

Part 90 – Private Land Mobile Radio Service

Applicable Standards: TIA 603-D.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Dongguan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

**Measurement Uncertainty**

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Unwanted Emissions, radiated	30MHz ~ 1GHz: 5.85 dB 1G~26.5GHz: 5.23 dB
Unwanted Emissions, conducted	±1.5 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%

**Test Facility**

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062D.

## SYSTEM TEST CONFIGURATION

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### Description of Test Configuration

The system was configured for testing in a test mode which has been done in the factory.

### EUT Specification:

<b>Operating Frequency Band:</b>	420-450MHz
<b>Modulation Mode:</b>	FM/4FSK
<b>Channel Spacing:</b>	12.5kHz
<b>Rated Output Power:</b>	High: 4.2W Low: 1.2W

### EUT Exercise Software

No exercise software was used.

### Special Accessories

No special accessory was used.

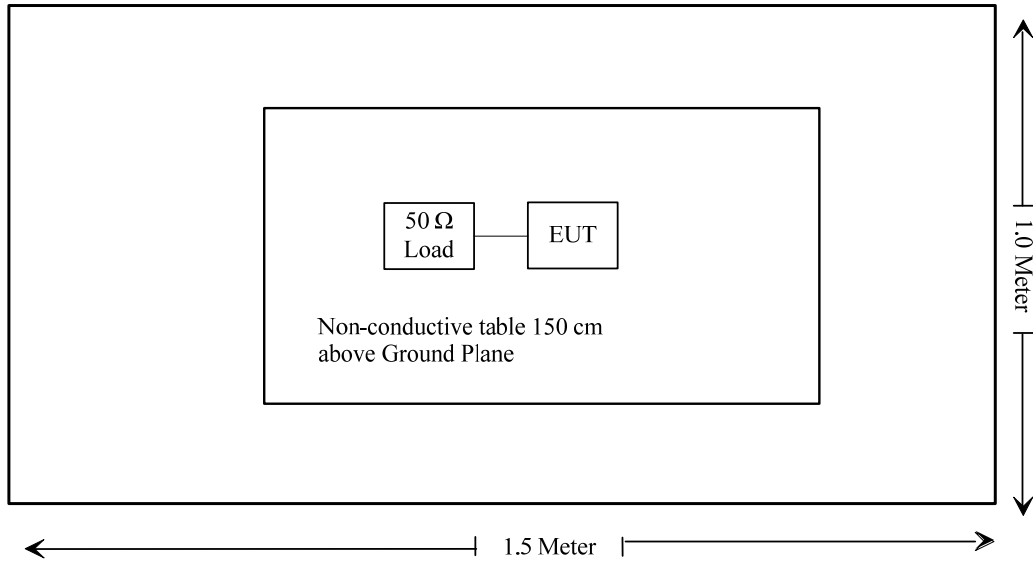
### Equipment Modifications

No modification was made to the EUT tested.

### Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
N/A	Terminal Load (50 $\Omega$ )	N/A	N/A
HP	RF Communications Test Set	8920A	00 247

### Block Diagram of Test Setup



**SUMMARY OF TEST RESULTS**

<b>FCC Rules</b>	<b>Description of Test</b>	<b>Results</b>
§1.1310 and §2.1093	RF Exposure	Compliance
§2.104;§90.205	RF Output Power	Compliance
§2.1047	Modulation Characteristic	Compliance
§2.1049; §90.209; §90.210	Occupied Bandwidth & Emission Mask	Compliance
§2.1051; §90.210	Spurious Emission at Antenna Terminal	Compliance
§2.1053; §90.210	Spurious Radiated Emissions	Compliance
§2.1055; §90.213	Frequency Stability	Compliance
§90.214	Transient Frequency Behavior	Compliance



**TEST EQUIPMENT LIST**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
<b>Radiated Emission Test</b>					
R&S	EMI Test Receiver	ESCI	100224	2017-09-01	2018-09-01
Sunol Sciences	Antenna	JB3	A060611-1	2017-11-10	2020-11-10
HP	Amplifier	8447D	2727A05902	2017-09-05	2018-09-05
Agilent	Spectrum Analyzer	E4440A	SG43360054	2017-12-08	2018-12-08
ETS LINDGREN	Horn Antenna	3115	000 527 35	2016-01-05	2019-01-04
MITEQ	Amplifier	AFS42-00101800-25-S-42	2001271	2017-09-05	2018-09-05
HP	Signal Generator	1026	320408	2017-12-14	2018-12-14
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
TDK RF	Horn Antenna	HRN-0118	130 084	2016-01-05	2019-01-04
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2017-09-05	2018-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2017-09-05	2018-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2017-09-05	2018-09-05
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2017-09-05	2018-09-05
<b>RF Conducted Test</b>					
Rohde & Schwarz	Signal Analyzer	FSIQ26	831929/005	2017-08-31	2018-08-31
HP	RF Communications Test Set	8920A	00 235	2017-07-11	2018-07-11
Pro instrument	DC Power Supply	pps3300	N/A	N/A	N/A
LEADER	Millivoltmeter	LMV-181A	601788	2017-08-11	2018-08-10
Dongzhixu	High Temperature Test Chamber	DP1000	201105083-4	2017-08-28	2018-08-28
E-Microwave	DC Blocking	EMDCB-00036	0E01201047	Each Time	/
E-Microwave	RF Attenuator	20dB	20dB-1	Each Time	/
Unknown	Coaxial Cable	C-SJ00-0010	C0010/05	Each time	/
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each Time	/

\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

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## **FCC §1.1310 & §2.1093 - RF EXPOSURE**

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### **Applicable Standard**

FCC§1.1310 and §2.1093.

### **Test Result**

Compliance, please refer to the SAR report: RDG180503004-20.

**FCC §2.1046 & §90.205 - RF OUTPUT POWER**

**Applicable Standard**

FCC §2.1046, §90.205

**Test Procedure**

Conducted RF Output Power:

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

Spectrum Analyzer Setting:

R B/W      Video B/W  
 100 kHz    300 kHz

**Test Data**

**Environmental Conditions**

<b>Temperature:</b>	27.2 °C
<b>Relative Humidity:</b>	66 %
<b>ATM Pressure:</b>	101.1 kPa

*The testing was performed by Nami Quan on 2018-05-09.*

*Test Mode: Transmitting*

**Test Result:** Compliance. Please refer to following table.

Modulation Mode	Channel Separation (kHz)	f <sub>c</sub> (MHz)	Reading (W)	
			High Power Level	Low Power Level
FM	12.5	420.0125	4.732	1.035
		435	4.909	1.127
		449.9875	4.898	1.239
4FSK	12.5	420.0125	4.721	1.030
		435	4.943	1.125
		449.9875	4.920	1.225

Note: The high rated power level is 4.2W, and low rated power level is 1.2W.

## **FCC §2.1047 - MODULATION CHARACTERISTIC**

### **Applicable Standard**

FCC §2.1047

- (a) Equipment which utilizes voice modulated communication shall show the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz. for equipment which is required to have a low pass filter, the frequency response of the filter, or all of the circuitry installed between the modulation limited and the modulated stage shall be supplied.
- (b) Equipment which employs modulation limiting, a curve showing the percentage of modulation versus the modulation input voltage shall be supplied.

### **Test Procedure**

Test Method: TIA/EIA-603 2.2.3

### **Test Data**

#### **Environmental Conditions**

<b>Temperature:</b>	27.2 °C
<b>Relative Humidity:</b>	66 %
<b>ATM Pressure:</b>	101.1 kPa

*The testing was performed by Nami Quan on 2018-05-09.*

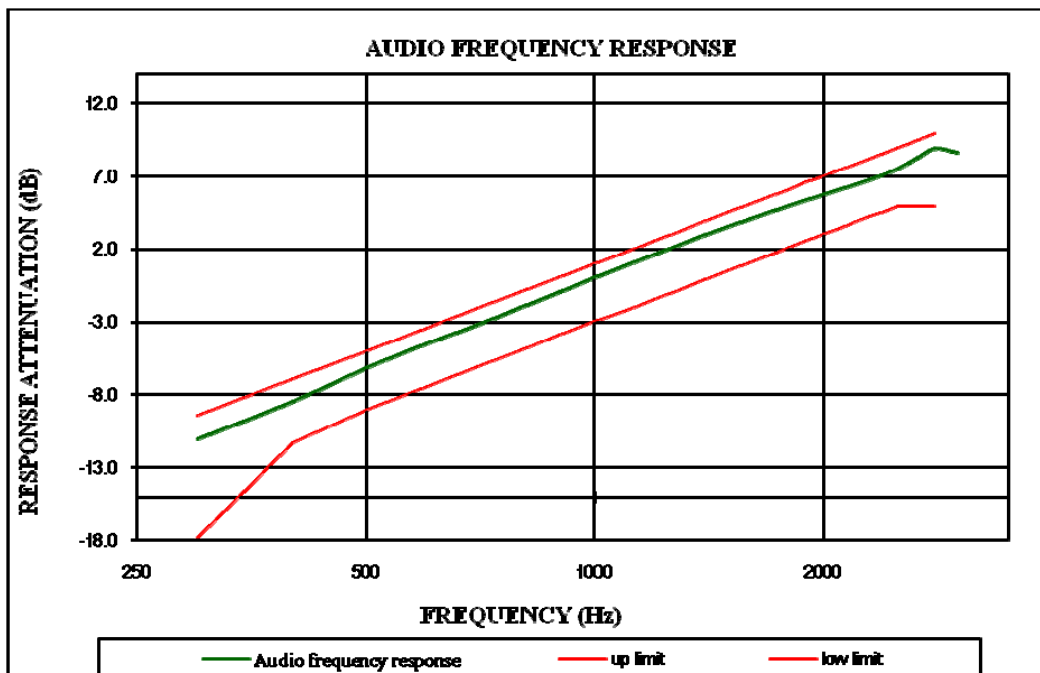
*Test Mode: Transmitting*

**Result:** Compliance.

**Audio Frequency Response – High Power,12.5kHz**

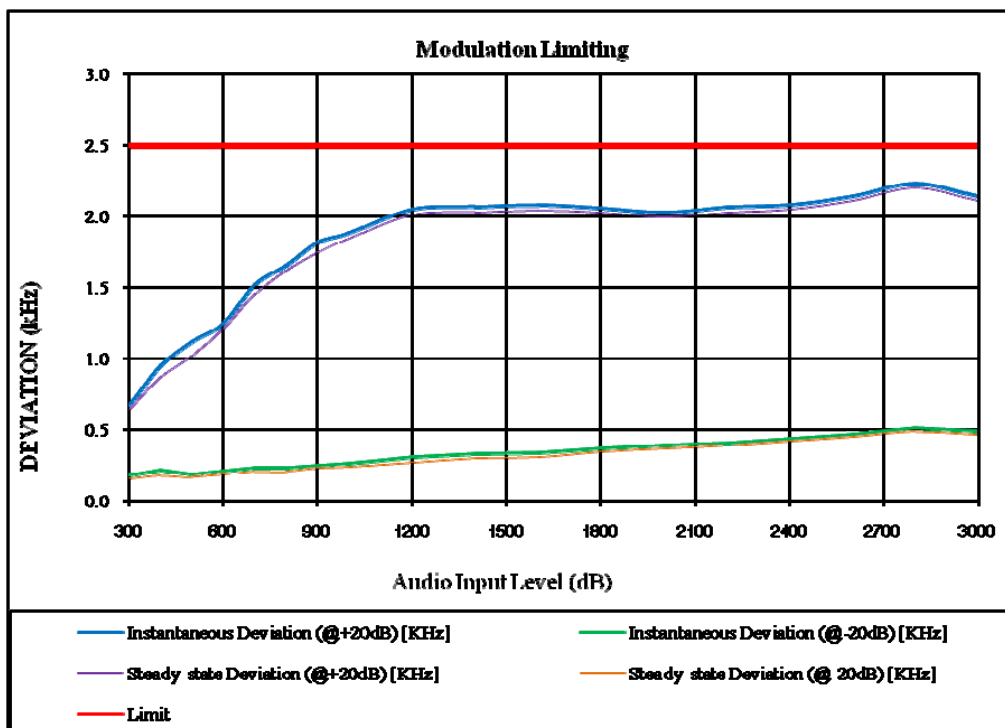
Carrier Frequency: 435 MHz, Channel Separation:12.5kHz

Modulation Frequency (kHz)	Response data (dB)
300	-11.02
400	-8.47
500	-6.22
600	-4.53
700	-3.24
800	-2.03
900	-0.98
1000	0.00
1200	1.62
1400	2.97
1600	4.08
1800	4.98
2000	5.72
2200	6.40
2400	7.06
2600	7.89
2800	8.88
3000	8.61



**MODULATION LIMITING – High Power**  
Carrier Frequency: 435 MHz, Channel Separation: 12.5kHz

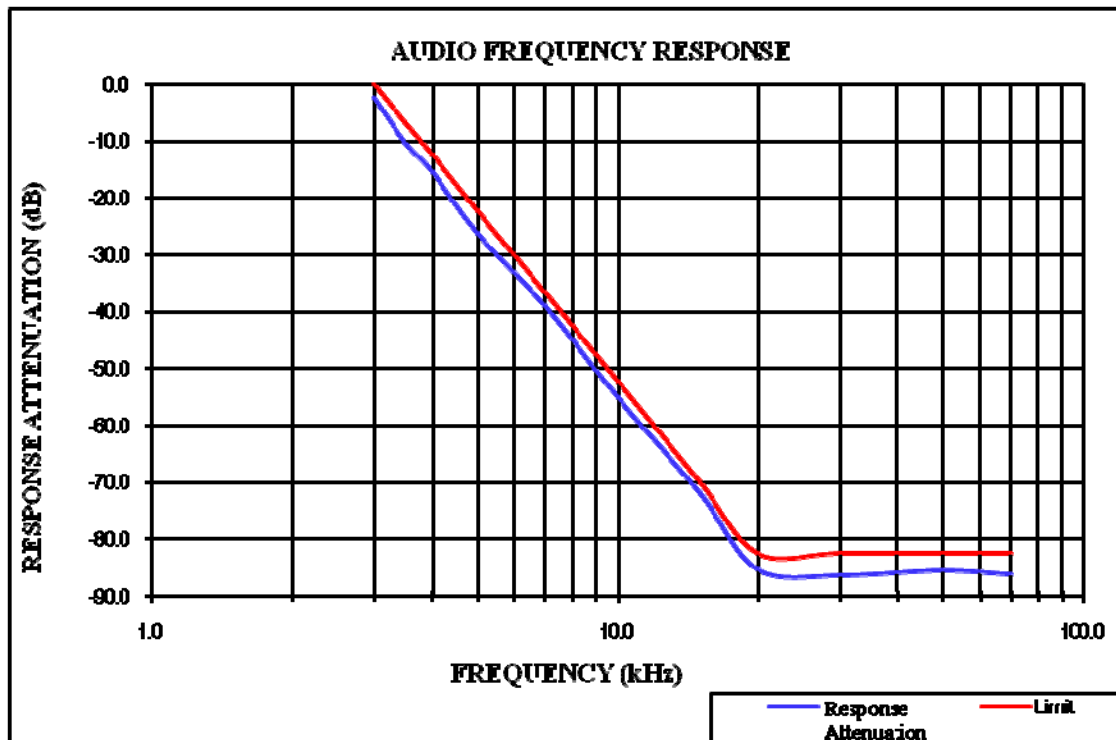
Audio Frequency (Hz)	Instantaneous		Steady-state		Limit [KHz]
	Deviation (@+20dB) [KHz]	Deviation (@-20dB) [KHz]	Deviation (@+20dB) [KHz]	Deviation (@-20dB) [KHz]	
300	0.67	0.18	0.64	0.16	2.5
400	0.95	0.22	0.87	0.18	2.5
500	1.12	0.19	1.02	0.17	2.5
600	1.25	0.21	1.21	0.19	2.5
700	1.52	0.23	1.45	0.21	2.5
800	1.65	0.23	1.62	0.21	2.5
900	1.82	0.25	1.75	0.23	2.5
1000	1.88	0.26	1.85	0.24	2.5
1200	2.05	0.31	2.01	0.27	2.5
1400	2.07	0.33	2.03	0.30	2.5
1600	2.08	0.34	2.04	0.31	2.5
1800	2.06	0.37	2.03	0.35	2.5
2000	2.03	0.39	2.00	0.37	2.5
2200	2.06	0.41	2.03	0.39	2.5
2400	2.08	0.44	2.05	0.42	2.5
2600	2.14	0.47	2.11	0.45	2.5
2800	2.23	0.51	2.20	0.49	2.5
3000	2.14	0.49	2.11	0.47	2.5



**Audio Frequency Low Pass Filter Response – High Power**

Carrier Frequency: 435 MHz, Channel Spacing 12.5 kHz

Audio Frequency (kHz)	Response Attenuation (dB)	Limit (dB)
3.0	-2.3	0.0
3.5	-10.2	-6.7
4.0	-15.4	-12.5
5.0	-26.3	-22.2
7.0	-39.1	-36.8
10.0	-55.2	-52.3
15.0	-71.9	-69.9
20.0	-85.3	-82.5
30.0	-86.4	-82.5
50.0	-85.5	-82.5
70.0	-86.2	-82.5



## **FCC §2.1049 & §90.209 & §90.210 – OCCUPIED BANDWIDTH & EMISSION MASK**

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### **Applicable Standard**

FCC §2.1049, §90.209 and §90.210

### **Test Procedure**

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 100 Hz or 300 Hz and the spectrum was recorded in the frequency band  $\pm 50$  kHz from the carrier frequency.

### **Test Data**

#### **Environmental Conditions**

<b>Temperature:</b>	26.6 ~ 28.4 °C
<b>Relative Humidity:</b>	56 ~ 66 %
<b>ATM Pressure:</b>	100.56 ~ 101.5 kPa

*The testing was performed by Nami Quan from 2018-05-09 to 2018-05-21.*



Test mode: transmitting

Modulation Mode	Channel Separation	f <sub>c</sub> (MHz)	99% Occupied Bandwidth (kHz)	26 dB Bandwidth (kHz)	Power Level
FM	12.5kHz	435	9.619	10.822	High
			9.619	10.621	Low
4FSK	12.5kHz		7.816	10.220	High
			7.615	10.020	Low

Note: Emission bandwidth was based on calculation method instead of measurement.

Emission Designator

Per CFR 47 §2.201& §2.202, BW = 2M + 2D

**For FM Mode (Channel Spacing: 12.5 kHz)**

Emission Designator 11K0F3E

In this case, the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation.

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 2.5 \text{ kHz}) = 11 \text{ kHz} = 11K0$$

F3E portion of the designator represents an FM voice transmission

Therefore, the entire designator for 12.5 kHz channel spacing FM mode is 11K0F3E.

**For Digital Mode (Channel Spacing: 12.5 kHz)**

Emission Designator 7K60F1D and 7K60F1E

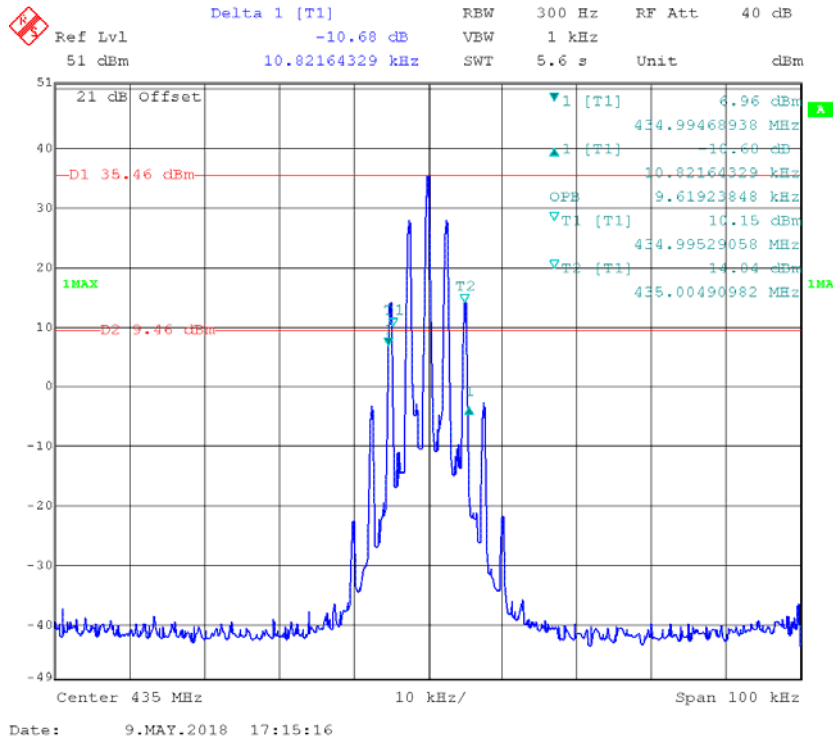
The 99% energy rule (title 47CFR 2.1049) was used for digital mode. It basically states that 99% of the modulation energy falls within X kHz, in this case, 7.60 kHz. The emission mask was obtained from 47CFR 90.210(d).

F1D and F1E portion of the designator indicates digital information.

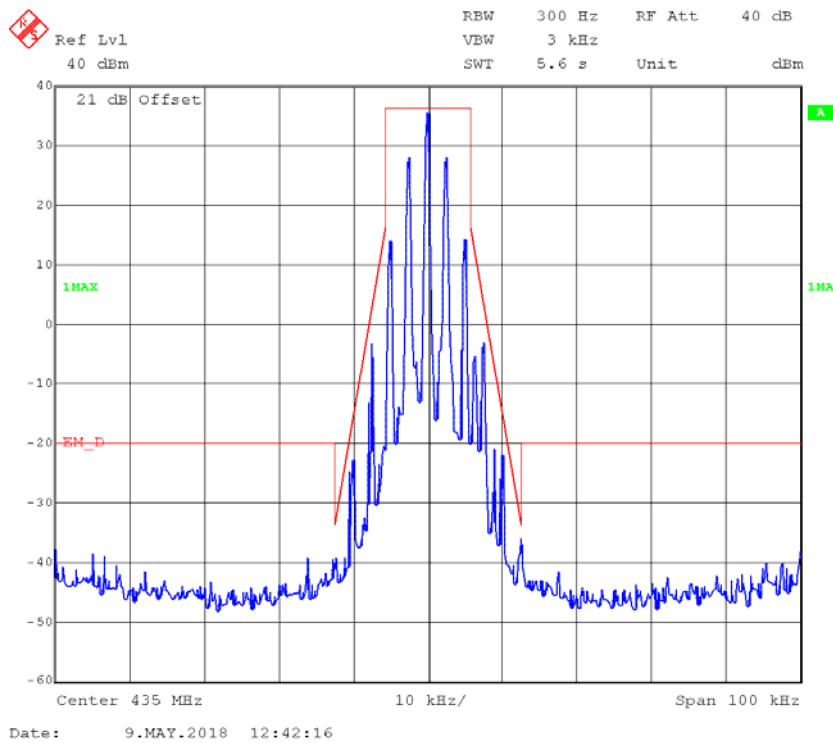
Therefore, the entire designator for 12.5 kHz channel spacing digital mode is 7K60F1D and 7K60F1E.

**Part 90:**

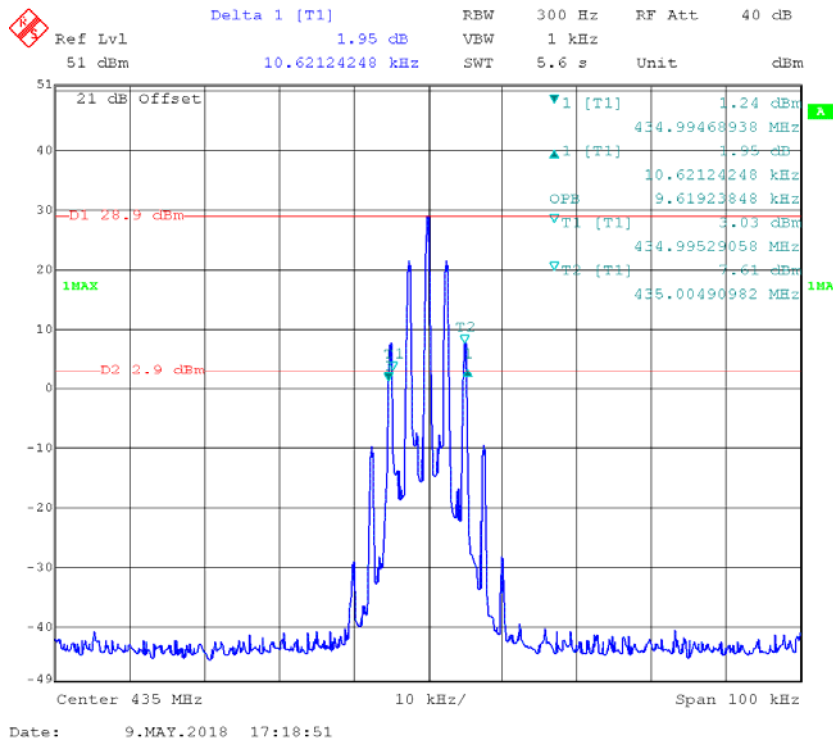
**FM,12.5kHz,High Power - Frequency 435 MHz: 99% Occupied & 26 dB Bandwidth**



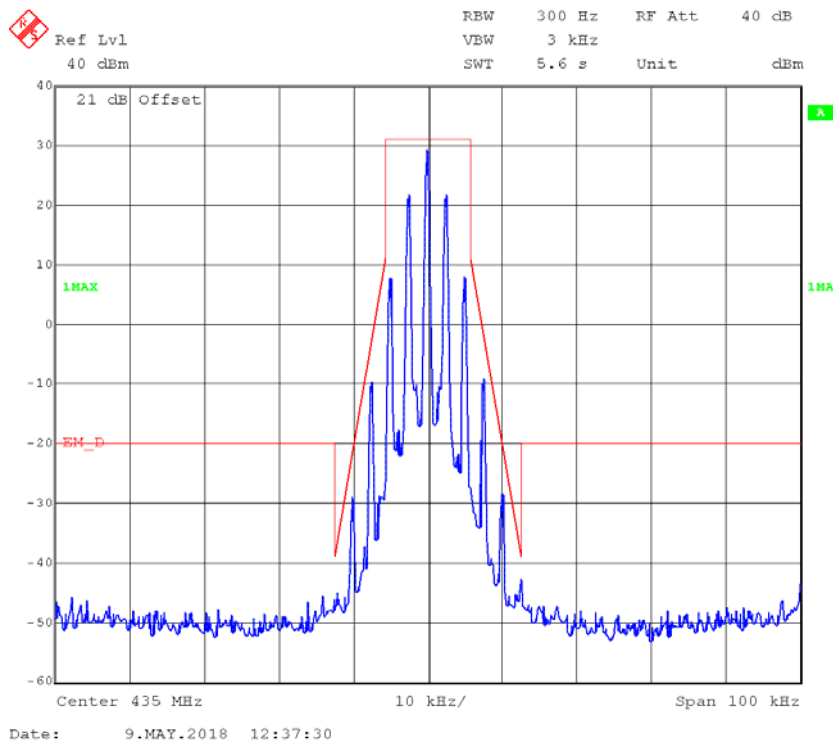
**Emission Mask D**



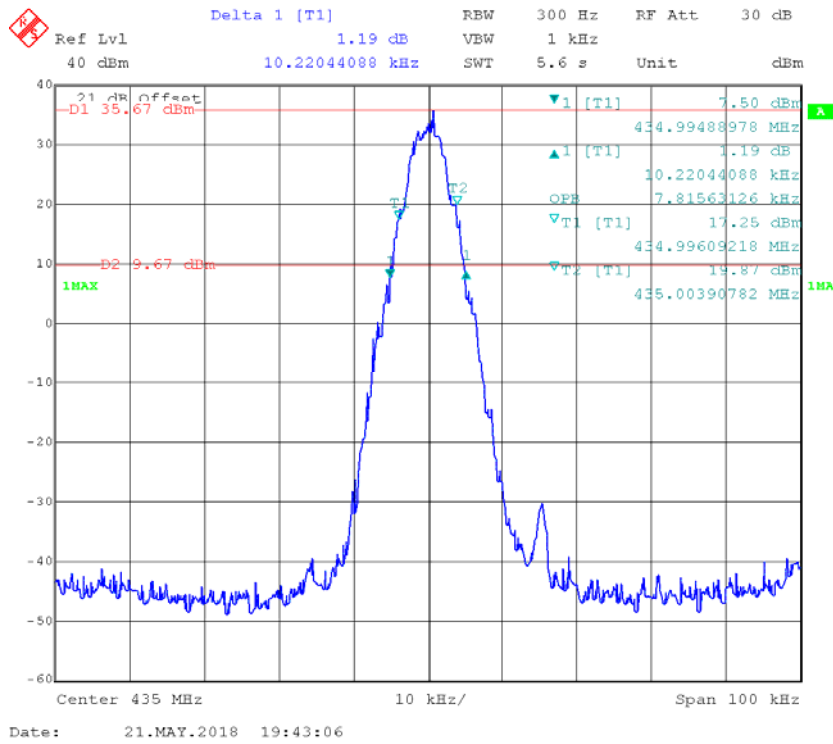
**FM,12.5kHz,Low Power - Frequency 435MHz: 99% Occupied & 26 dB Bandwidth**



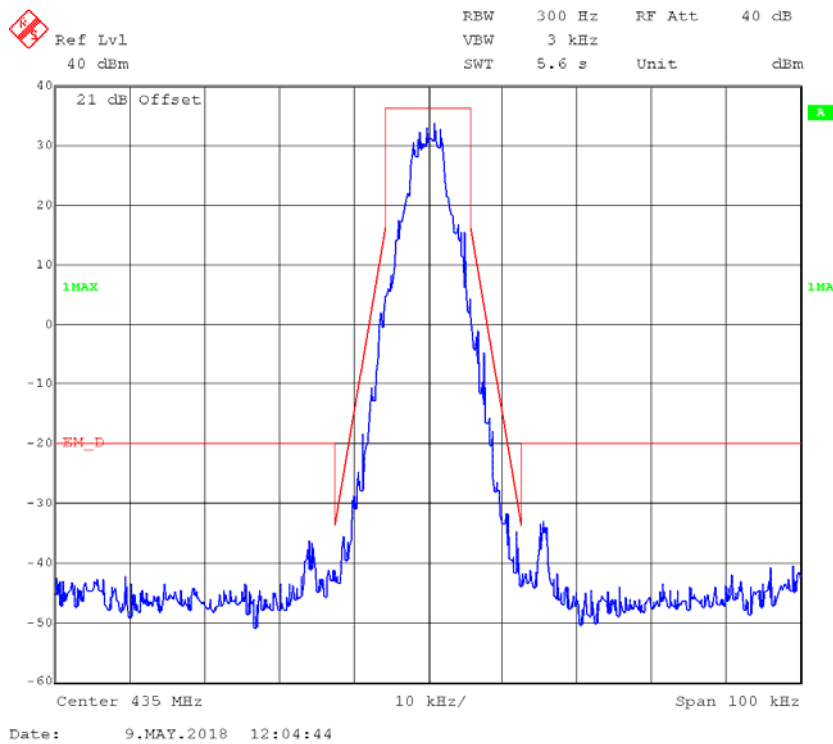
**Emission Mask D**



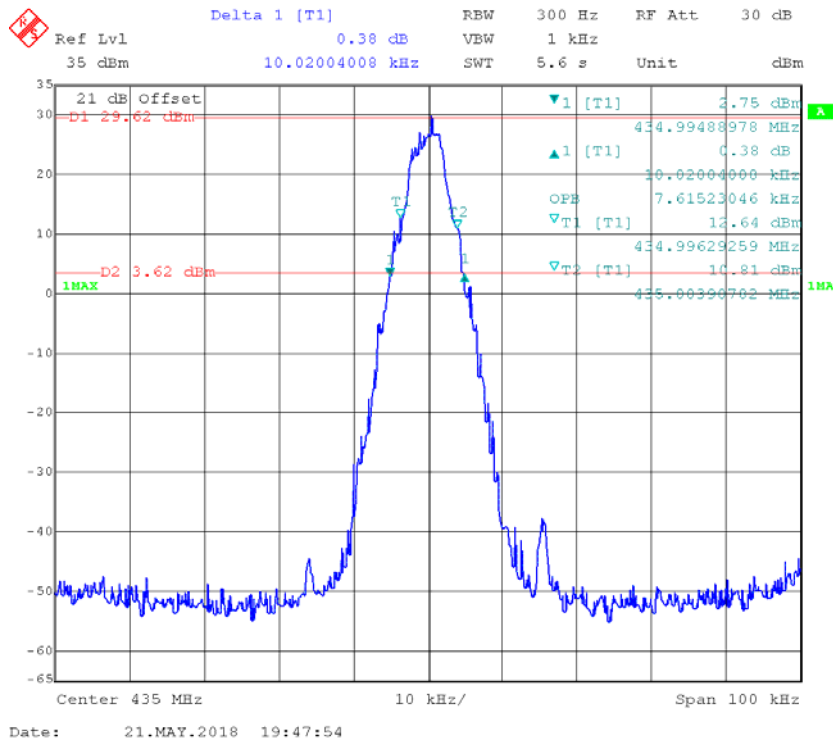
### 4FSK,12.5kHz,High Power - Frequency 435 MHz: 99% Occupied & 26 dB Bandwidth



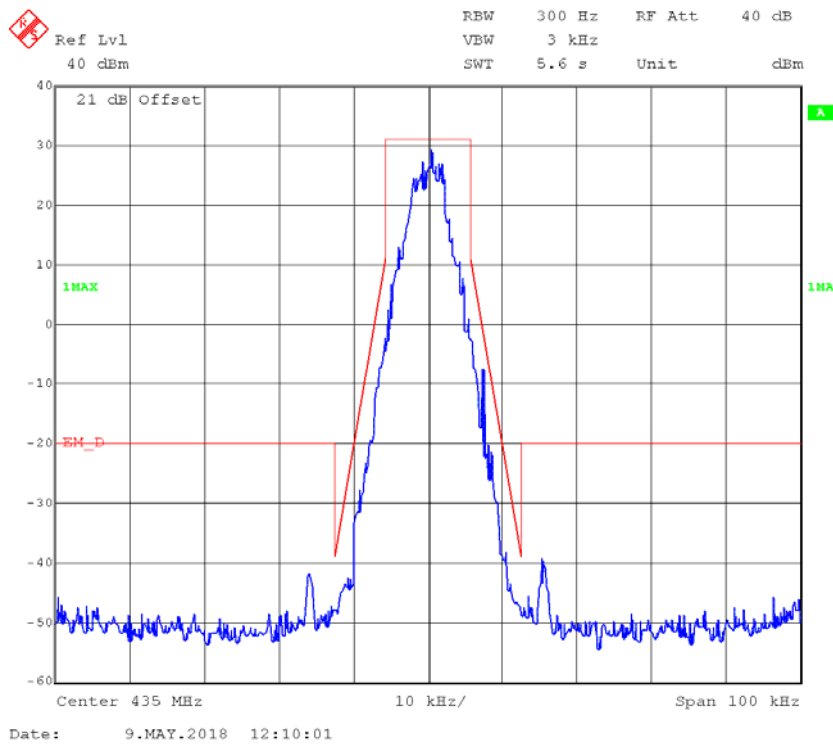
### Emission Mask D



**4FSK,12.5kHz,Low Power - Frequency 435 MHz: 99% Occupied & 26 dB Bandwidth**



**Emission Mask D**



## FCC §2.1051 & §90.210 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

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### Applicable Standard

FCC §2.1051, §90.210

### Test Procedure

The RF output of the EUT was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 100kHz for below 1GHz, and 1MHz for above 1GHz. Sufficient scans were taken to show any out of band emissions up to 10<sup>th</sup> harmonic.

### Test Data

#### Environmental Conditions

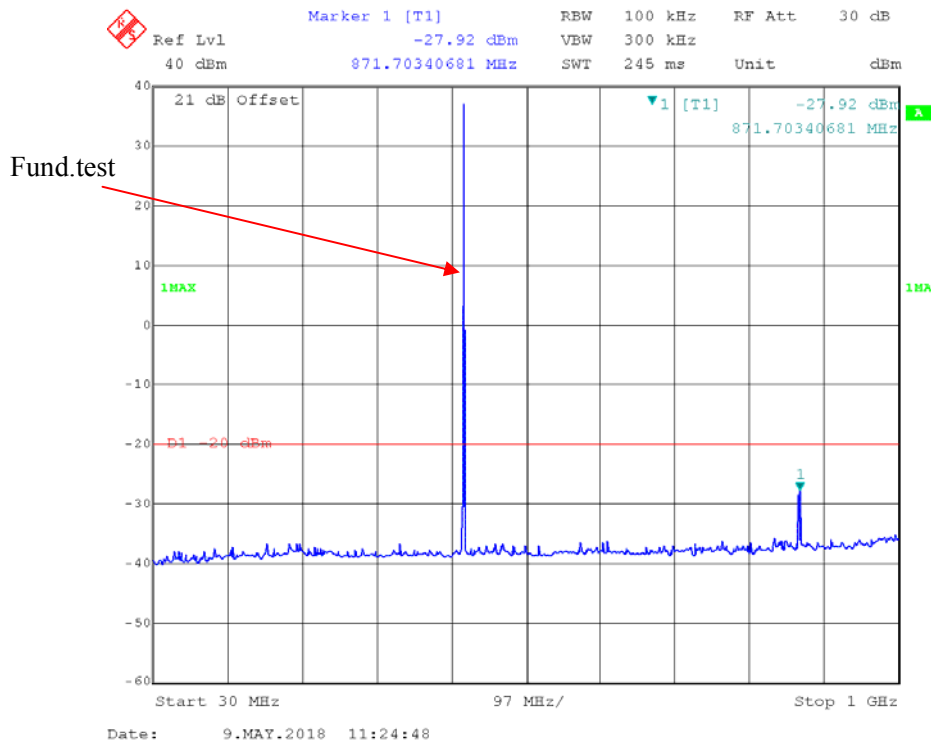
<b>Temperature:</b>	27.2 °C
<b>Relative Humidity:</b>	66 %
<b>ATM Pressure:</b>	101.1 kPa

*The testing was performed by Nami Quan on 2018-05-09.*

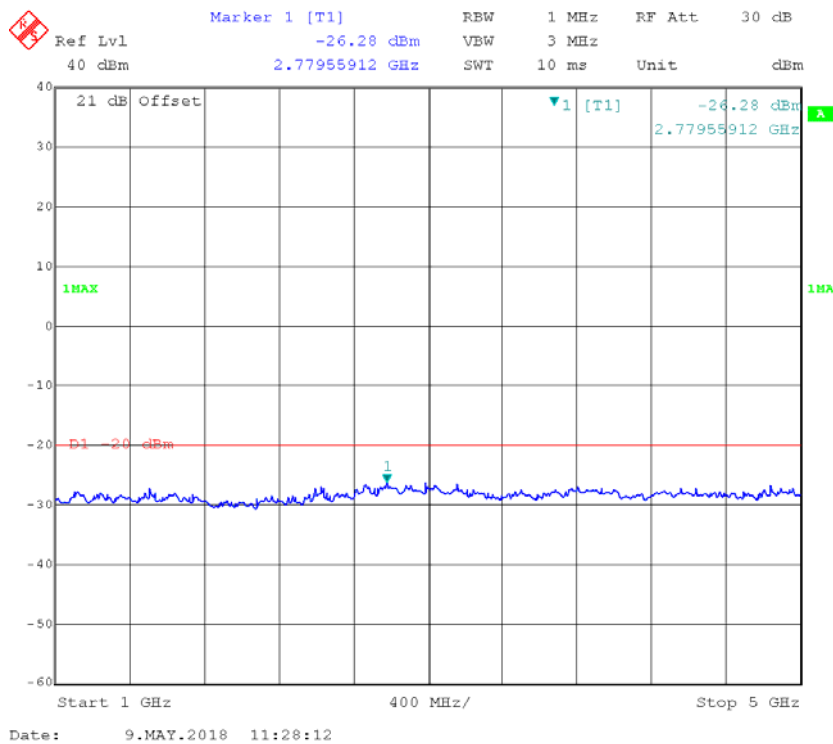
*Test Mode: Transmitting, please refer to the following plots.*

**12.5kHz,FM, High power:**

**30MHz – 1 GHz, Channel Spacing 12.5 kHz, 435 MHz**

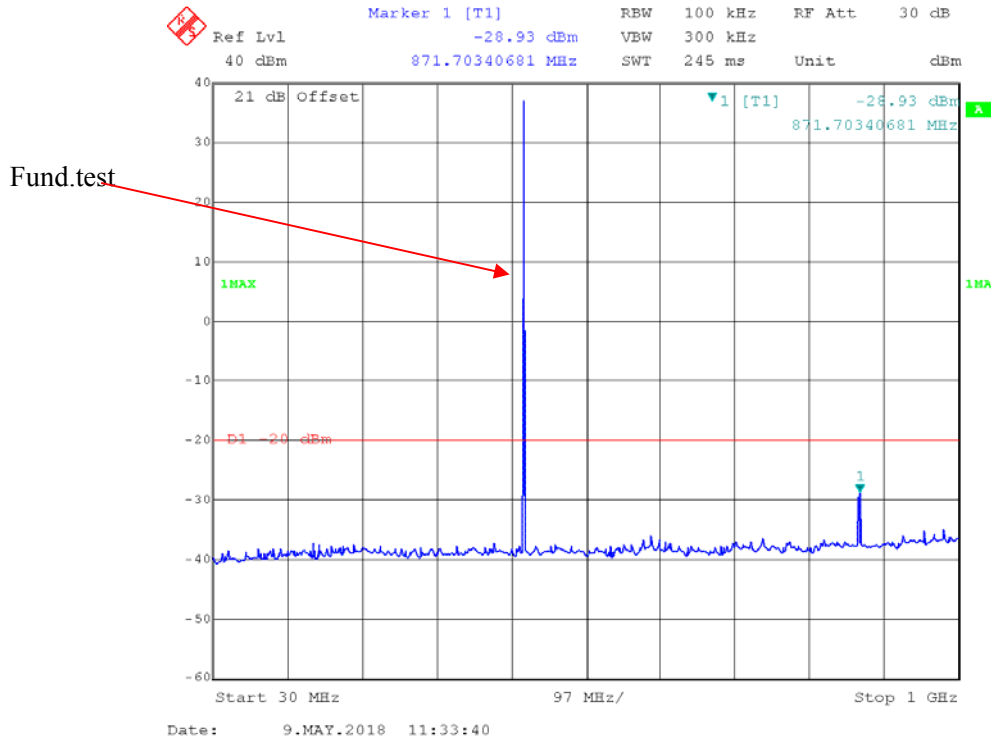


**1 GHz – 5 GHz, Channel Spacing 12.5 kHz, 435 MHz**

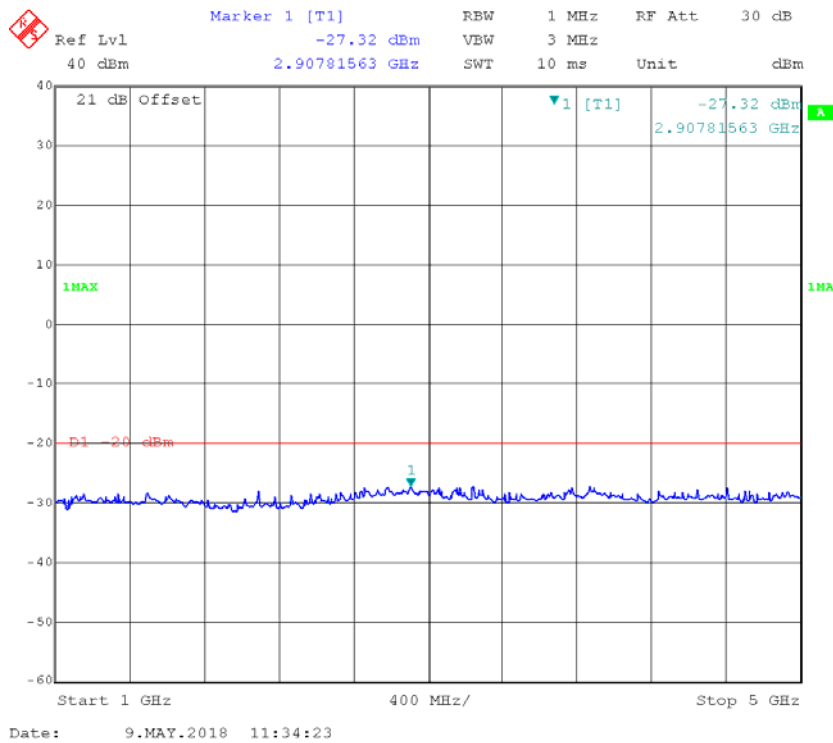


**12.5kHz, 4FSK, High power:**

**30MHz – 1 GHz, Channel Spacing 12.5 kHz, 435 MHz**



**1 GHz – 5 GHz, Channel Spacing 12.5 kHz, 435 MHz**





## **FCC §2.1053 §90.210 - RADIATED SPURIOUS EMISSIONS**

### **Applicable Standard**

FCC §2.1053, §90.210

### **Test Procedure**

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load, which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to teeth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = 10 lg (TXpwr in Watts/0.001)-the absolute level

### **Test Data**

#### **Environmental Conditions**

<b>Temperature:</b>	25.6 °C
<b>Relative Humidity:</b>	48 %
<b>ATM Pressure:</b>	100.7 kPa

*The testing was performed by Vern Shen and Steven Zuo on 2018-05-08.*

*Test Mode: Transmitting*

**30MHz - 5GHz:**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
FM, Frequency: 435MHz-12.5 kHz								
870.000	H	40.11	-57.5	0.0	1	-58.5	-20	38.5
870.000	V	41.56	-58.6	0.0	1	-59.6	-20	39.6
1305.000	H	50.34	-63.2	8.3	1.2	-56.1	-20	36.1
1305.000	V	52.49	-62	8.3	1.2	-54.9	-20	34.9
1740.000	H	57.46	-56.7	10.9	0.7	-46.5	-20	26.5
1740.000	V	59.68	-55.1	10.9	0.7	-44.9	-20	24.9
2175.000	H	62.35	-50.2	11.0	1.1	-40.3	-20	20.3
2175.000	V	64.78	-47.7	11.0	1.1	-37.8	-20	17.8
2610.000	H	53.49	-59.6	13.2	1.3	-47.7	-20	27.7
2610.000	V	55.32	-58.1	13.2	1.3	-46.2	-20	26.2
3045.000	H	48.15	-62.6	13.6	1.6	-50.6	-20	30.6
3045.000	V	49.86	-61	13.6	1.6	-49.0	-20	29
3480.000	H	46.63	-63.6	13.9	1.6	-51.3	-20	31.3
3480.000	V	48.68	-61.5	13.9	1.6	-49.2	-20	29.2
4FSK, Frequency: 435MHz-12.5 kHz								
870.000	H	44.73	-52.9	0.0	1	-53.9	-20	33.9
870.000	V	44.96	-55.2	0.0	1	-56.2	-20	36.2
1305.000	H	52.45	-61.1	8.3	1.2	-54.0	-20	34
1305.000	V	54.38	-60.1	8.3	1.2	-53.0	-20	33
1740.000	H	56.17	-58	10.9	0.7	-47.8	-20	27.8
1740.000	V	57.84	-56.9	10.9	0.7	-46.7	-20	26.7
2175.000	H	60.63	-51.9	11.0	1.1	-42.0	-20	22
2175.000	V	62.35	-50.1	11.0	1.1	-40.2	-20	20.2
2610.000	H	54.46	-58.7	13.2	1.3	-46.8	-20	26.8
2610.000	V	55.97	-57.4	13.2	1.3	-45.5	-20	25.5
3045.000	H	48.02	-62.8	13.6	1.6	-50.8	-20	30.8
3045.000	V	48.48	-62.4	13.6	1.6	-50.4	-20	30.4
3480.000	H	46.76	-63.4	13.9	1.6	-51.1	-20	31.1
3480.000	V	47.35	-62.9	13.9	1.6	-50.6	-20	30.6

**Note:**

Absolute Level = Substituted Level - Cable loss + Antenna Gain

Margin = Limit- Absolute Level

## **FCC §2.1055 & §90.213 - FREQUENCY STABILITY**

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### **Applicable Standard**

FCC §2.1055, §90.213

### **Test Procedure**

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to a frequency counter via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the counter.

### **Test Data**

#### **Environmental Conditions**

<b>Temperature:</b>	27.2°C
<b>Relative Humidity:</b>	66 %
<b>ATM Pressure:</b>	101.1 kPa

*The testing was performed by Nami Quan on 2018-05-09.*

*Test Mode: Transmitting*

<b>FM,12.5kHz, Reference Frequency: 435 MHz, Limit: ±2.5 ppm</b>			
<b>Temperature (°C)</b>	<b>Voltage Supplied (V<sub>DC</sub>)</b>	<b>Measured Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	7.2	434.999963	-0.09
-20		434.999991	-0.02
-10		434.999966	-0.08
0		434.999958	-0.10
10		434.999982	-0.04
20		434.999970	-0.07
30		434.999957	-0.10
40		434.999961	-0.09
50		434.999955	-0.10
60		434.999982	-0.04
25		6.2	434.999967
25	8.4	434.999950	-0.11

<b>4FSK, 12.5kHz, Reference Frequency: 435 MHz, Limit: ±2.5 ppm</b>			
<b>Temperature (°C)</b>	<b>Voltage Supplied (V<sub>DC</sub>)</b>	<b>Measured Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	7.2	434.999912	-0.20
-20		434.999986	-0.03
-10		434.999967	-0.08
0		434.999932	-0.16
10		434.999980	-0.05
20		434.999970	-0.07
30		434.999914	-0.20
40		434.999933	-0.15
50		434.999957	-0.10
60		434.999930	-0.16
25		6.2	434.999974
25	8.4	434.999936	-0.15

Note: the operation voltage is declared by manufacturer.

## FCC §90.214 - TRANSIENT FREQUENCY BEHAVIOR

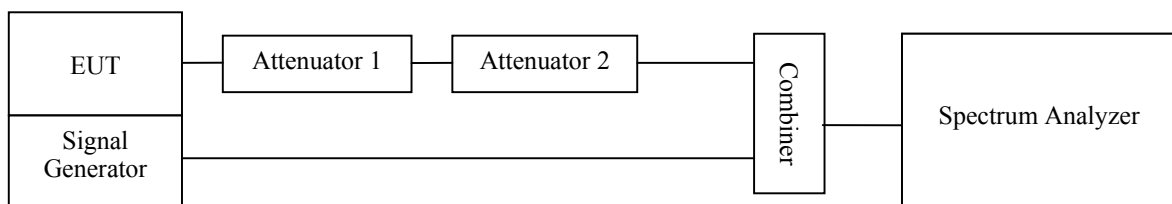
### Applicable Standard

Regulations: FCC §90.214

Test method: ANSI/TIA-603-D 2010, section 2.2.19.3

### Test Procedure

- a) Connect the EUT and test equipment as shown on the following block diagram.
- b) Set the Spectrum Analyzer to measure FM deviation, and tune the RF frequency to the transmitter assigned frequency.
- c) Set the signal generator to the assigned transmitter frequency and modulate it with a 1 kHz tone at  $\pm 12.5$  kHz deviation and set its output level to -100dBm.
- d) Turn on the transmitter.
- e) Supply sufficient attenuation via the RF attenuator to provide an input level to the Spectrum Analyzer that is 40 dB below the maximum allowed input power when the transmitter is operating at its rated power level. Note this power level on the Spectrum Analyzer as  $P_0$ .
- f) Turn off the transmitter.
- g) Adjust the RF level of the signal generator to provide RF power equal to  $P_0$ . This signal generator RF level shall be maintained throughout the rest of the measurement.
- h) Remove the attenuation 1, so the input power to the Spectrum Analyzer is increased by 30 dB when the transmitter is turned on.
- i) Adjust the vertical amplitude control of the spectrum analyzer to display the 1000 Hz at  $\pm 4$  divisions vertically centered on the display. Set trigger mode of the Spectrum Analyzer to "Video", and tune the "trigger level" on suitable level. Then set the "trigger offset" to -10ms for turn on and -15ms for turn off.
- j) Turn on the transmitter and the transient wave will be captured on the screen of Spectrum Analyzer. Observe the stored display. The instant when the 1 kHz test signal is completely suppressed is considered to be  $t_{on}$ . The trace should be maintained within the allowed divisions during the period  $t_1$  and  $t_2$ .
- k) Then turn off the transmitter, and another transient wave will be captured on the screen of Spectrum Analyzer. The trace should be maintained within the allowed divisions during the period  $t_3$ .



**Test Data****Environmental Conditions**

<b>Temperature:</b>	26.3 °C
<b>Relative Humidity:</b>	44 %
<b>ATM Pressure:</b>	101.3 kPa

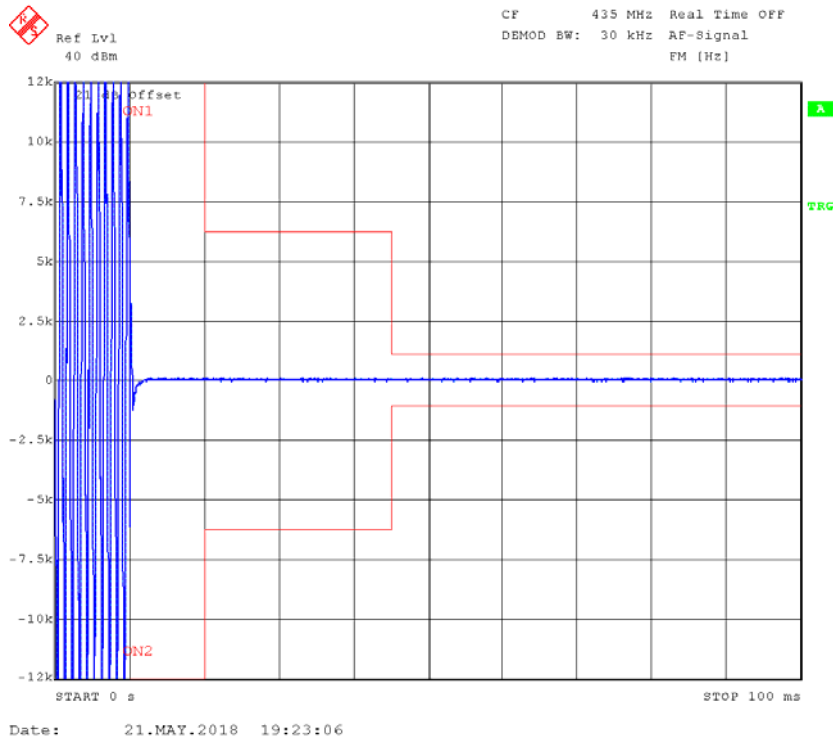
*The testing was performed by Nami Quan on 2018-05-21.*

<b>Channel Spacing (kHz)</b>	<b>Transient Period (ms)</b>	<b>Transient Frequency</b>	<b>Result</b>
12.5	<10(t <sub>1</sub> )	±12.5 kHz	Pass
	<25(t <sub>2</sub> )	±6.25 kHz	
	<10(t <sub>3</sub> )	±12.5 kHz	

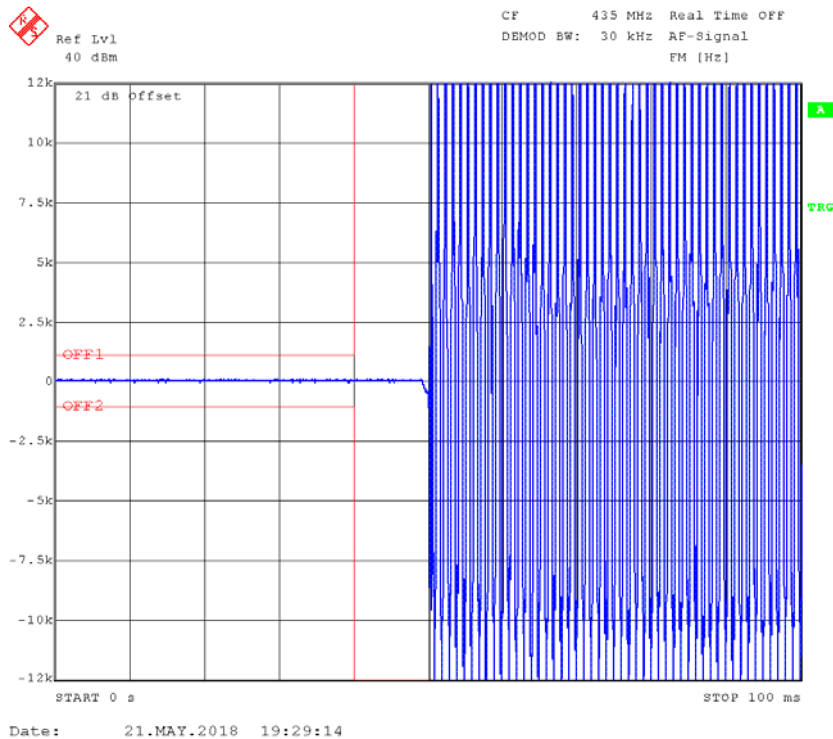
Please refer to the following plots.

**High Power Channel: 435 MHz**

**Turn on**



**Turn off**



\*\*\*\*\* END OF REPORT \*\*\*\*\*