

FCC Test Report

Report No.: AGC10232200801FE03

FCC ID	8	2AEAN-WGOIITX		
APPLICATION PURPOSE	:	Original Equipment		
PRODUCT DESIGNATION	:	Wireless Microphone System - Transmitter		
BRAND NAME	:	RODE Microphones		
MODEL NAME	÷	Wireless GO II Transmitter		
APPLICANT	:	RODE Microphones		
DATE OF ISSUE	© :	Sep. 25, 2020		
STANDARD(S)	:	FCC Part 15.247		
REPORT VERSION	:	V1.0		

Attestation of Global Compliance (Shenzhen) Co., Ltd



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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0		Sep. 25, 2020	Valid	Initial Release

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1. VERIFICATION OF COMPLIANCE

Applicant	RODE Microphones
Address	107 Carnarvon Street, Silverwater, 2128. Australia
Manufacturer	RODE Microphones
Address	107 Carnarvon Street, Silverwater, 2128. Australia
Factory	RODE Microphones
Address	107 Carnarvon Street, Silverwater, 2128. Australia
Product Designation	Wireless Microphone System - Transmitter
Brand Name	RODE Microphones
Test Model	Wireless GO II Transmitter
Date of test	Sep. 04, 2020 to Sep. 25, 2020
Deviation	No any deviation from the test method
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-US-BLE/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC part 15.247.

Prepared By

Sky dong

Sky Dong (Project Engineer)

Max Zhang

Sep. 25, 2020

Reviewed By

Max Zhang (Reviewer)

Sep. 25, 2020

Approved By

oW@

Forrest Lei (Authorized Officer)

Sep. 25, 2020

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2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

The EUT is designed as a "Wireless Microphone System - Transmitter". It is designed by way of utilizing the GFSK technology to achieve the system operation.

A major technical description of EUT is described as following

Operation Frequency	2402-2480MHz
RF Output Power	5.517dBm (Max)
Modulation	GFSK
Number of channels	40 Channel
Antenna Designation	Antenna 1: PCB antenna Antenna 2:FPC antenna (Comply with requirements of the FCC part 15.203)
Antenna Gain	Antenna 1: -1.32dBi Antenna 2: -2.16dBi
Hardware Version	09
Software Version	0.9
Power Supply	DC 5V by adapter or DC 3.8V by battery

Note: Antenna 1 and antenna 2 cannot work simultaneously.

2.2. TABLE OF CARRIER FREQUENCYS

Frequency Band	Channel Number	Frequency
	00	2402 MHz
	01	2404 MHz
2400~2483.5MHz		
	38	2478 MHz
	39	2480 MHz

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2.3. RELATED SUBMITTAL(S)/GRANT(S)

This submittal(s) (test report) is intended for FCC ID: 2AEAN-WGOIITX filing to comply with the FCC Part 15.247 requirements.

2.4. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

2.5. SPECIAL ACCESSORIES

Refer to section 5.2.

2.6. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

2.7. ANTENNA REQUIREMENT

This intentional radiator is designed with a permanently attached antenna of an antenna to ensure that no antenna other than that furnished by the responsible party shall be used with the device. For more information of the antenna, please refer to the APPENDIX B: PHOTOGRAPHS OF EUT.

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3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y $\pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

- Uncertainty of Conducted Emission, Uc = ±3.2 dB
- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB
- Uncertainty of total RF power, conducted, $Uc = \pm 0.8 dB$
- Uncertainty of RF power density, conducted, Uc = ±2.6 dB
- Uncertainty of spurious emissions, conducted, $Uc = \pm 2.7 \text{ dB}$
- Uncertainty of Occupied Channel Bandwidth: $Uc = \pm 2 \%$

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4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX
2	Middle channel TX
3	High channel TX

Note:

1. Only the result of the worst case was recorded in the report, if no other cases.

2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

3. For Conducted Test method, a temporary antenna connector is provided by the manufacture.

4. For battery operated equipment, the battery is full charged during test.

5. The test software is the RODE_WGO2_HID.exe which can set the EUT into the individual test modes.

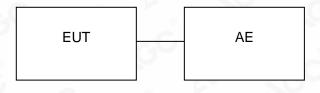
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5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF TESTED SYSTEM

Radiated Emission Configure:



Conducted Emission Configure:

EUT	AE

5.2. EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	Wireless Microphone System - Transmitter	Wireless GO II Transmitter	2AEAN-WGOIITX	EUT
2	Adapter	TY0500100E1MN	DC 5V	AE
3	Charger line	N/A	1.95m	AE

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
15.247 (b)(3)	Peak Output Power	Compliant
15.247 (a)(2)	6 dB Bandwidth	Compliant
15.247 (d)	Conducted Spurious Emission	Compliant
15.247 (e)	Maximum Conducted Output Power Density	Compliant
15.209	Radiated Emission	Compliant
15.207	Conducted Emission	Compliant

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6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd		
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China		
Designation Number	CN1259		
FCC Test Firm Registration Number	975832		
A2LA Cert. No.	5054.02		
Description	Attestation of Global Compliance (Shenzhen) Co., Ltd is accredited by A2LA		

TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	May 15, 2020	May 14, 2021
LISN	R&S	ESH2-Z5	100086	Jul. 03,2020	Jul. 02,2021
Test software	R&S	ES-K1(Ver.V1.71)	N/A	N/A	N/A

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	May 15, 2020	May 14, 2021
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec. 12, 2019	Dec. 11, 2020
2.4GHz Filter	EM Electronics	2400-2500MHz	N/A	Mar. 23, 2020	Mar. 22, 2022
Attenuator	ZHINAN	E-002	N/A	Sep. 03, 2020	Sep. 02, 2022
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep.21, 2019	Sep. 20, 2021
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	May 22, 2020	May 21, 2022
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May 17, 2019	May 16, 2021
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Oct. 15, 2019	Oct. 16, 2020
ANTENNA	SCHWARZBECK	VULB9168	494	Jan. 09, 2019	Jan. 08, 2021
Test software	FARA	EZ-EMC (Ver RA-03A)	O N/A	N/A	N/A

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7. PEAK OUTPUT POWER

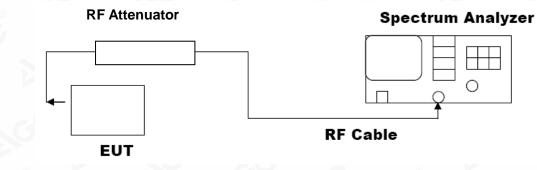
7.1. MEASUREMENT PROCEDURE

For peak power test:

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. RBW≥DTS bandwidth
- 3. VBW≥3*RBW.
- 4. SPAN≥VBW.
- 5. Sweep: Auto.
- 6. Detector function: Peak.
- 7. Trace: Max hold.

Allow trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power, after any corrections for external attenuators and cables.

7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) PEAK POWER TEST SETUP



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7.3. LIMITS AND MEASUREMENT RESULT

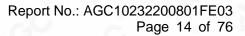
	PEAK OUTPUT POWER MEASUREMENT RESULT							
	FOR GFSK MOUDULATION							
Frequency (GHz)	Frequency Peak Power Peak Power Applicable Limits Pass or Fail							
2.402	5.463	5.517	30	Pass				
2.440	4.055	4.261	30	Pass				
2.480	3.842	3.750	30	Pass				

ANTENNA 1

CH0

Agilent Spectrum Analyzer - Swept SA					
XIRL RF 50Ω AC	CORREC	SENSE:PULSE	ALIGNAUTO	09:32:19 PM Sep 08, 2020	Frequency
Center Freq 2.40200000	PNO: East +++ II	ig: Free Run tten: 30 dB	Avg Type: Log-Pwr Avg Hold: 100/100	TRACE 123456 TYPE MUNININ DET PNNNNN	
10 dB/div Ref 20.00 dBm			Mkr1	2.402 210 GHz 5.463 dBm	Auto Tun
10.0		¹			Center Fre 2.402000000 GH
0.00					Start Fre 2.399500000 GH
20.0 JUNUT					Stop Fre 2.404500000 GH
40.0					CF Ste 500.000 kH <u>Auto</u> Ma
50.0 60.0					Freq Offso 0 ⊦
70.0					
Center 2.402000 GHz #Res BW 1.5 MHz	#VBW 5.0	MHz	Sweep 1	Span 5.000 MHz .000 ms (1001 pts)	
ISG			STATUS		

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CH19

CH39



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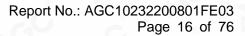
CH0 Frequency Center Freq 2.402000000 GHz Avg Type: Log-Pwr Avg|Hold: 100/100 Trig: Free Run Atten: 30 dB PNO: Fast +++ IFGain:Low Auto Tune Mkr1 2.402 175 GHz 5.517 dBm Ref 20.00 dBm 10 dB/div Center Frea 1 2.402000000 GHz Start Freq 2.399500000 GHz Stop Freq 2.404500000 GHz CF Step 500.000 kHz Auto Mar Freq Offset 0 Hz Center 2.402000 GHz Span 5.000 MHz #Res BW 1.5 MHz #VBW 5.0 MHz Sweep 1.000 ms (1001 pts)

ANTENNA 2

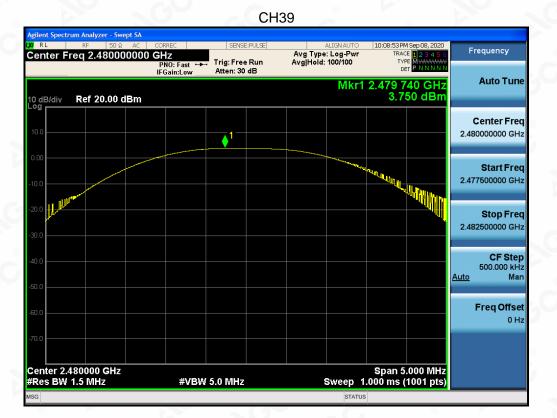
CH19



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8.6 DB BANDWIDTH

8.1. MEASUREMENT PROCEDURE

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 kHz, VBW \ge 3×RBW.
- 4. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to ANSI C63.10 for compliance to FCC PART 15.247 requirements.

8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

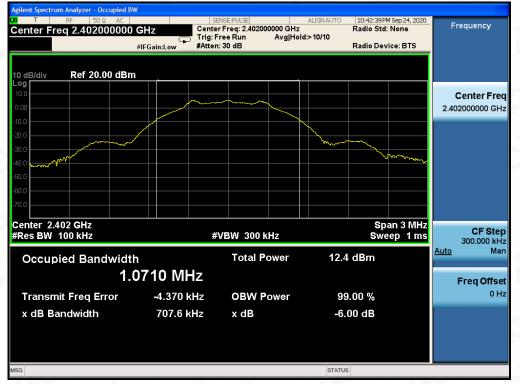
The same as described in section 7.2.

8.3. LIMITS AND MEASUREMENT RESULTS

LIMITS AND MEASUREMENT RESULT-						
Annlinghin Limite	Applicable Limits					
Applicable Limits	Test channel	Antenna 1(kHz)	Antenna 2(kHz)	Criteria		
S S	Low Channel	707.6	705.4	PASS		
>500KHZ	Middle Channel	703.2	694.1	PASS		
	High Channel	691.4	705.4	PASS		

ANTENNA 1

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

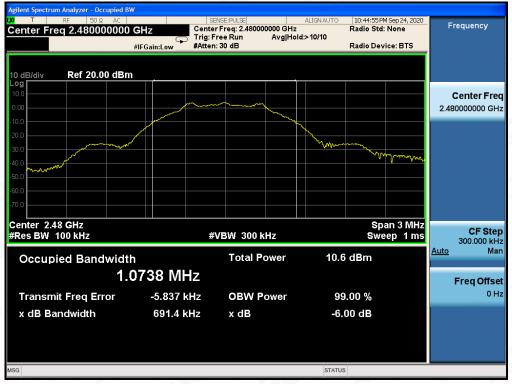


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TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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10:46:45 PM Sep 24, 2020 Radio Std: None Center Freq: 2.402000000 GHz Trig: Free Run Avg|Hol #Atten: 30 dB ALIGN AUTO Frequency Center Freq 2.402000000 GHz Avg|Hold:>10/10 Radio Device: BTS #IFGain:Low Ref 20.00 dBm **Center Freq** 2 402000000 GHz ግሎ Center 2.402 GHz #Res BW 100 kHz Span 3 MHz Sweep 1 ms CF Step 300.000 kHz #VBW 300 kHz Auto Mar **Occupied Bandwidth Total Power** 12.2 dBm 1.0718 MHz Freq Offset 0 Hz -3.202 kHz **Transmit Freq Error OBW Power** 99.00 % x dB Bandwidth 705.4 kHz x dB -6.00 dB

ANTENNA 2

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

STATUS



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TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

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9. CONDUCTED SPURIOUS EMISSION

9.1. MEASUREMENT PROCEDURE

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2, Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to ANSI C63.10 for compliance to FCC PART 15.247 requirements.

9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 7.2.

9.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6.

9.4. LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT					
Applicable Limite	Measurement Result				
Applicable Limits	Test Data	Criteria			
In any 100 kHz Bandwidth Outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest level of the desired power.	At least -20dBc than the reference level	PASS			

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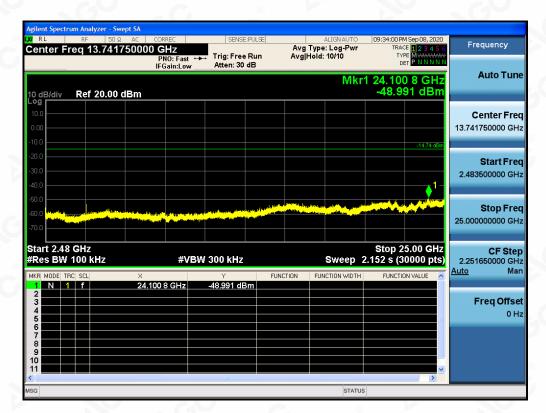
TEST RESULT FOR ENTIRE FREQUENCY RANGE ANTENNA 1

GFSK MODULATION IN LOW CHANNEL ectrum Analyz RL Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.402000000 GHz Trig: Free Run Atten: 30 dB PNO: Wide IFGain:Low Auto Tune Mkr1 2.401 993 6 GHz 5.265 dBm Ref 20.00 dBm og **Center Freq** 2.402000000 GHz Start Freq 2.400500000 GHz Stop Freq 2.403500000 GHz Center 2.402000 GHz #Res BW 100 kHz Span 3.000 MHz Sweep 2.000 ms (30000 pts) **CF** Step #VBW 300 kHz 300.000 kHz Man Auto FUNCTION FUNCTION WIDTH FUNCTION VALUE 2.401 993 6 GHz 5.265 dBm **Freq Offset** 0 Hz STATUS m Analyzer Center Freq 1.210000000 GHz PN0: Fast IFGain:Low RL Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Trig: Free Run Atten: 30 dB Auto Tune 2.388 51 GHz -51.165 dBm Mkr1 Ref 20.00 dBm **Center Freq** 1.210000000 GHz Start Freq 30.000000 MHz Stop Freq 2.39000000 GHz Stop 2.390 GHz Sweep 226.0 ms (30000 pts) Start 30 MHz **CF** Step #VBW 300 kHz #Res BW 100 kHz 236.000000 MHz Auto Mar FUNCTION MKF 2.388 51 GHz -51.165 dBm N Freq Offset 0 Hz

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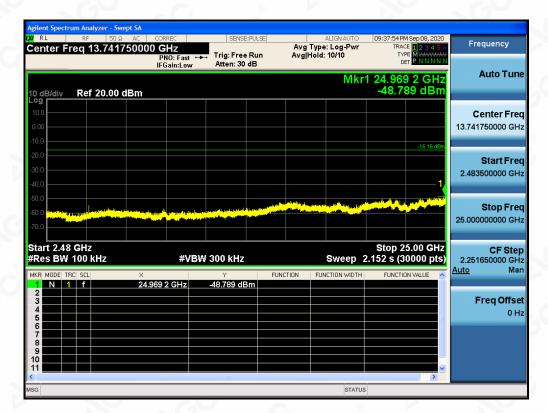
Agilent Spectrum Analyzer - S	Swept SA				
	Ω AC CORREC 0000000 GHz PNO: Wide ←	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:37:20 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE M	Frequency
10 dB/div Ref 20.00	IFGain:Low_	Atten: 30 dB	Mkr1 2	439 993 8 GHz 3.839 dBm	Auto Tune
Log 10.0 0.00		1			Center Freq 2.440000000 GHz
-20.0 -30.0 -40.0					Start Freq 2.438500000 GHz
-50.0 -60.0 -70.0					Stop Freq 2.441500000 GHz
Center 2.440000 GH #Res BW 100 kHz		W 300 kHz		Span 3.000 MHz 00 ms (30000 pts)	CF Step 300.000 kHz <u>Auto</u> Man
MKR MODE TRC SCL 1 N 1 f 2 - - - 3 - - - 4 - - - 5 - - -	× 2.439 993 8 GHz	Y 3.839 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset 0 Hz
6 7 8 9 10 11					
MSG			· · · · · ·		
			STATUS		
Agilent Spectrum Analyzer - S	Swept SA		STATUS		
Agilent Spectrum Analyzer - S Carter Freq 1.2150 Center Freq 1.2150	Ω AC CORREC	SENSE:PULSE → Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:37:29 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N	Frequency
RL RF 50 Center Freq 1.215(Ω AC CORREC 0000000 GHz PN0: Fast ← IFGain:Low	▶→ Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:37:29 PM Sep 08, 2020	Frequency Auto Tune
RL RF 50 Center Freq 1.215(Ω AC CORREC 0000000 GHz PN0: Fast ← IFGain:Low	▶→ Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:37:29 PM Sep 08, 2020 TRACE 112 3 4 5 6 TYPE MWWWW Det PINNINN 1 2.392 10 GHz -56.529 dBm	Auto Tune
OZ RL RF 50 Center Freq 1.215(Ref 20.00 Ref 20.00 <thref 20.00<="" th=""> Ref 20.00 <th< td=""><td>Ω AC CORREC 0000000 GHz PN0: Fast ← IFGain:Low</td><td>▶→ Trig: Free Run</td><td>ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10</td><td>09:37:29 PM Sep 08, 2020 TRACE 2 3 4 5 6 TYPE MUMUMUM DET P NN NN N 1 2.392 10 GHz</td><td>Auto Tune Center Freq 1.215000000 GHz</td></th<></thref>	Ω AC CORREC 0000000 GHz PN0: Fast ← IFGain:Low	▶→ Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:37:29 PM Sep 08, 2020 TRACE 2 3 4 5 6 TYPE MUMUMUM DET P NN NN N 1 2.392 10 GHz	Auto Tune Center Freq 1.215000000 GHz
OZ RL RF 50 Center Freq 1.215(Ref 20.00 Ref 20.00 <thref 20.00<="" th=""> Ref 20.00 <th< th=""><th>Q AC CORREC D000000 GHz PN0: Fast + IFGain:Low IFGain:Low</th><th>▶→ Trig: Free Run</th><th>ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10</th><th>09:37:29 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P NINNIN 1 2.3992 10 GHz -56.529 dBm -16.19 dBm -16.19 dBm -16.19 dBm -16.19 dBm</th><th>Auto Tune Center Freq 1.21500000 GHz Start Freq 30.000000 MHz Stop Freq</th></th<></thref>	Q AC CORREC D000000 GHz PN0: Fast + IFGain:Low IFGain:Low	▶→ Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:37:29 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P NINNIN 1 2.3992 10 GHz -56.529 dBm -16.19 dBm -16.19 dBm -16.19 dBm -16.19 dBm	Auto Tune Center Freq 1.21500000 GHz Start Freq 30.000000 MHz Stop Freq
OZ RL RF 50 Center Freq 1.215(Ref 20.00 Ref 20.00 100 Ref 20.00 Ref 20.00	Ω AC CORREC D000000 GHz PN0: Fast + IFGain:Low D IFGain:Low	 Trig: Free Run Atten: 30 dB Atten: 30 dB Atten: 40 dB<td>ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr</td><td>09:97:29 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MUNICIPAL DET P NINNIN 1 2.392 10 GHz -56.529 dBm -18.18 dBm</td><td>Auto Tune Center Freq 1.21500000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz</td>	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr	09:97:29 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MUNICIPAL DET P NINNIN 1 2.392 10 GHz -56.529 dBm -18.18 dBm	Auto Tune Center Freq 1.21500000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz
DZ RL RF 50 Center Freq 1.215(Ref 20.00 Ref 20.00 Log Image: Control of the second s	Ω AC CORREC D000000 GHz PN0: Fast + IFGain:Low D IFGain:Low	 Trig: Free Run Atten: 30 dB Atten: 30 dB Atten: 40 dB<td>ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr</td><td>09:37:29 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE M MINIMUM DET P NINNIN 1 2.392 10 GHz -56.529 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm</td><td>Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step</td>	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr	09:37:29 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE M MINIMUM DET P NINNIN 1 2.392 10 GHz -56.529 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm -16.16 dBm	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step
DX RL RF 50 Center Freq 1.215(Ref 20.00 Ref 20.00 O Bit of the second	Q AC CORREC D000000 GHz PR0: Fast + IFGain:Low D B D B D B W/I W/I	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr	09:97:29 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MUNICIPAL DET P NINNIN 1 2.392 10 GHz -56.529 dBm -18.18 dBm	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz 2.400000000 GHz 2.400000000 GHz 237.000000 MHz Auto Man

GFSK MODULATION IN MIDDLE CHANNEL

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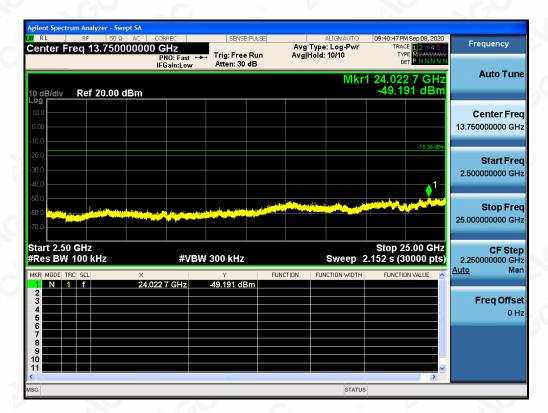
Agilent Spectrum Analyzer - Sw					
Center Freq 2.4800		SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr	09:40:12 PM Sep 08, 2020 TRACE 123456	Frequency
Center Freq 2.4000	PNO: Wide 🕶	, Trig: Free Run	Avg Hold: 10/10	TYPE MWWWWWW DET P N N N N N	
	IFGain:Low	Atten: 30 dB			Auto Tune
			Mkr1 2	.479 992 0 GHz	
10 dB/div Ref 20.00	dBm			3.624 dBm	
10.0		1			Center Freq
0.00			~~~~		2.480000000 GHz
-10.0			- Andrew - A		2.40000000 0112
-20.0					
			Vin Jam	many.	Start Freq
-30.0				and the second	2.478500000 GHz
-40.0					
-50.0					Stop Freq
-60.0					2.481500000 GHz
-70.0					
Center 2.480000 GHz				Span 3.000 MHz	05.04
#Res BW 100 kHz		/ 300 kHz	Sweep 2.	3000 ms (30000 pts)	CF Step 300.000 kHz
MKR MODE TRC SCL	×		FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Man
1 N 1 f	2.479 992 0 GHz	3.624 dBm	FONCTION FONCTION WIDTH		
2 3					Freq Offset
4					0 Hz
5					
7 8					
9					
10					
<					
MSG					-
			STATUS	5	
Agilent Spectrum Analyzer - Sw	vept SA		STATUS		
LX/ RL RF 50 ເ	Ω AC CORREC	SENSE:PULSE	ALIGNAUTO	09:40:21 PM Sep 08, 2020	Frequency
		Tular Free Days	ALIGNAUTO Avg Type: Log-Pwr	09:40:21 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE Munananan	Frequency
LX/ RL RF 50 ເ	Ω AC CORREC	Tular Free Days	ALIGNAUTO	09:40:21 PM Sep 08, 2020 TRACE 1 2 3 4 5 6	
LX/ RL RF 50 ເ	AC CORREC 000000 GHz PN0: Fast ↔	. Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:40:21 PM Sep 08, 2020 TRACE 2 3 4 5 6 TYPE MUNUMU DET P NNNNN 1 2.396 05 GHz	Frequency Auto Tune
27 RL RF 50 G Center Freq 1.2150	2 AC CORREC 000000 GHz PN0: Fast ↔ IFGain:Low	. Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:40:21 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N	
27 RL RF 50 S Center Freq 1.2150 10 dB/div Ref 20.00	2 AC CORREC 000000 GHz PN0: Fast ↔ IFGain:Low	. Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:40:21 PM Sep 08, 2020 TRACE 2 3 4 5 6 TYPE MUNUMU DET P NNNNN 1 2.396 05 GHz	Auto Tune
W RL RF 50 £ Center Freq 1.2150 Ref 20.00 Ref 20.00 10 dB/div Ref 20.00 10 0	2 AC CORREC 000000 GHz PN0: Fast ↔ IFGain:Low	. Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:40:21 PM Sep 08, 2020 TRACE 2 3 4 5 6 TYPE MUNUMU DET P NNNNN 1 2.396 05 GHz	Auto Tune Center Freq
W RL RF 50 £ Center Freq 1.2150 Center Freq 1.2150 Center Freq 1.2150 10 dB/div Ref 20.00 Ref 20.00 10 0 000 Ref 20.00	2 AC CORREC 000000 GHz PN0: Fast ↔ IFGain:Low	. Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:40:21 PM Sep 08, 2020 TRACE 2 3 4 5 6 TYPE MUNUMU DET P NNNNN 1 2.396 05 GHz	Auto Tune
OV RL RF 50 £ Center Freq 1.2150 Ref 20.00 Ref 20.00 10 dB/div Ref 20.00 0 10 0 0 0	2 AC CORREC 000000 GHz PN0: Fast ↔ IFGain:Low	. Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:40:21 PM Sep 08, 2020 TRACE 2 3 4 5 6 TYPE MUNUMU DET P NNNNN 1 2.396 05 GHz	Auto Tune Center Freq
W RL RF 50 £ Center Freq 1.21500 10 dB/div Ref 20.00 10 dB/div Ref 20.00 0 10 0 0.00 0 -10.0 0 0	2 AC CORREC 000000 GHz PN0: Fast ↔ IFGain:Low	. Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:40:21 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MWWWW DET PINNINN 1 2.396 05 GHz -53.958 dBm	Auto Tune Center Freq
W RL RF 50 £ Center Freq 1.21500 10 dB/div Ref 20.00 10 dB/div Ref 20.00 0 10 0 0.00 0 -10 0 0.00 0 -30 0 0 0	2 AC CORREC 000000 GHz PN0: Fast ↔ IFGain:Low	. Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:40:21 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MWWWW DET PINNINN 1 2.396 05 GHz -53.958 dBm	Auto Tune Center Freq 1.215000000 GHz
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W RL RF 50 £ Center Freq 1.21500 10 dB/div Ref 20.00 10 dB/div Ref 20.00 0 10 0 0.00 0 -10 0 0.00 0 -30 0 0 0	2 AC CORREC 000000 GHz PN0: Fast ↔ IFGain:Low	. Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	09:40:21 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MWWWW DET PINNINN 1 2.396 05 GHz -53.958 dBm	Auto Tune Center Freq 1.21500000 GHz Start Freq 30.000000 MHz
W RL RF SD G Center Freq 1.2150 Io dB/div Ref 20.00 Io dB/div Ref 20.00	ac CORREC 00000 GHz PN0:Fast → IFGain:Low	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr	09:40:21 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MWWWW DET PINNINN 1 2.396 05 GHz -53.958 dBm	Auto Tune Center Freq 1.21500000 GHz Start Freq 30.000000 MHz Stop Freq
W RL RF SD G Center Freq 1.2150 Io dB/div Ref 20.00 Io dB/div Ref 20.00	2 AC CORREC 000000 GHz PN0: Fast ↔ IFGain:Low	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr	09:40:21 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MWWWW DET PINNINN 1 2.396 05 GHz -53.958 dBm	Auto Tune Center Freq 1.21500000 GHz Start Freq 30.000000 MHz Stop Freq
OV RL RF SO 5 Center Freq 1.2150 10 dB/div Ref 20.00 10 0 0 10 0 0 20 0 0 -10.0 0 -20.0 0 -30.0 0 -40.0 0 -60.0 0 -70.0 0	ac CORREC 00000 GHz PN0:Fast → IFGain:Low	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr	09:40:21 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE M MUNIMUM DET P N.NIN N 1 2.396 05 GHz -53.958 dBm -19.39 dBm -19.39 dBm -19.39 dBm -19.39 dBm	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz
W RL RF 50 G Center Freq 1.2150 Io dB/div Ref 20.00 Io dB/div Ref 20.00	2 AC CORREC 00000 GHz PN0:Fast → IFGain:Low dBm	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 MKr	09:40:21 PM Sep 08, 2020 TRACE 12 3 :4 5 6 TYPE MININA DET PININA N 1 2.396 05 GHz -53.958 dBm -16.39 dBm 1 -16.39 dBm 1 -16.39 dBm 1 -16.39 dBm -1 -53.958 dBm	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step
W RL RF 50 % Center Freq 1.21500 Ref 20.00 10 dB/div Ref 20.00 10 0	AC CORREC 00000 GHz PN0: Fast → IFGain:Low dBm dBm dBm dBm dBm dBm dBm dBm	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 MKr	09:40:21 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE M MINIMA DET P MINIMA 1 1 2.396 05 GHz -53.958 dBm -16.38 dBm 1 -16.38 dBm 1 -18.38 dBm -18.38	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz
W RL RF SO S Center Freq 1.21500 10 dB/div Ref 20.00 -10 dB/div Ref 20.00 -20 dB/div Ref 20.00 -30 dB/div Ref 20.00 -40 dB/div Ref 20.00 -40 dB/div Ref 20.00 -50 dB/div Ref 20.00 -70 dB/div	2 AC CORREC 00000 GHz PN0:Fast → IFGain:Low dBm	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 MKr	09:40:21 PM Sep 08, 2020 TRACE 12 3 :4 5 6 TYPE MININA DET PININA N 1 2.396 05 GHz -53.958 dBm -16.39 dBm 1 -16.39 dBm 1 -16.39 dBm 1 -16.39 dBm -1 -53.958 dBm	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz
W RL RF SD G Center Freq 1.2150 Center Freq 1.2150 10 dB/div Ref 20.00 20 dB/div Ref 20.00 30 dB/div Ref 20.00 40 dB/div Ref 20.00 50 dB/d	2 AC CORREC 00000 GHz PN0:Fast → IFGain:Low dBm 4 4 4 4 4 4 4 4 4 4 4 4 4	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 MKr	09:40:21 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE M MINIMA DET P MINIMA 1 1 2.396 05 GHz -53.958 dBm -16.38 dBm 1 -16.38 dBm 1 -18.38 dBm -18.38	Start Freq 30.00000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz Auto Tune Man
W RL RF SO S Center Freq 1.21500	2 AC CORREC 00000 GHz PN0:Fast → IFGain:Low dBm 4 4 4 4 4 4 4 4 4 4 4 4 4	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 MKr	09:40:21 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE M MINIMA DET P MINIMA 1 1 2.396 05 GHz -53.958 dBm -16.38 dBm 1 -16.38 dBm 1 -18.38 dBm -18.38	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz Auto Man
W RL RF SD G Center Freq 1.21500 Image: Star Star Star Star Star Star Star Star	2 AC CORREC 00000 GHz PN0:Fast → IFGain:Low dBm 4 4 4 4 4 4 4 4 4 4 4 4 4	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 MKr	09:40:21 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE M MINIMA DET P MINIMA 1 1 2.396 05 GHz -53.958 dBm -16.38 dBm 1 -16.38 dBm 1 -18.38 dBm -18.38 dBm -18	Start Freq 30.00000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz Auto Man
X RL RF SD G Center Freq 1.2150 10 dB/div Ref 20.00 10 d	2 AC CORREC 00000 GHz PN0:Fast → IFGain:Low dBm 4 4 4 4 4 4 4 4 4 4 4 4 4	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 MKr	09:40:21 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE M MINIMA DET P MINIMA 1 1 2.396 05 GHz -53.958 dBm -16.38 dBm 1 -16.38 dBm 1 -18.38 dBm -18.38 dBm -18	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz Auto Man
W RL RF SO 5 Center Freq 1.21500	2 AC CORREC 00000 GHz PN0:Fast → IFGain:Low dBm 4 4 4 4 4 4 4 4 4 4 4 4 4	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 MKr	09:40:21 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE M MINIMA DET P MINIMA 1 1 2.396 05 GHz -53.958 dBm -16.38 dBm 1 -16.38 dBm 1 -18.38 dBm -18.38 dBm -18	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz Auto Man
W RL RF SD G Center Freq 1.21500	2 AC CORREC 00000 GHz PN0:Fast → IFGain:Low dBm 4 4 4 4 4 4 4 4 4 4 4 4 4	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 MKr	09:40:21 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE M MINIMA DET P MINIMA 1 1 2.396 05 GHz -53.958 dBm -16.38 dBm 1 -16.38 dBm 1 -18.38 dBm -18.38 dBm -18	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz Auto Man
W RL RF SO 5 Center Freq 1.21500	2 AC CORREC 00000 GHz PN0:Fast → IFGain:Low dBm 4 4 4 4 4 4 4 4 4 4 4 4 4	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 MKr	09:40:21 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE M MINIMA DET P MINIMA 1 1 2.396 05 GHz -53.958 dBm -16.38 dBm 1 -16.38 dBm 1 -18.38 dBm -18.38 dBm -18	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz Auto Man

GFSK MODULATION IN HIGH CHANNEL

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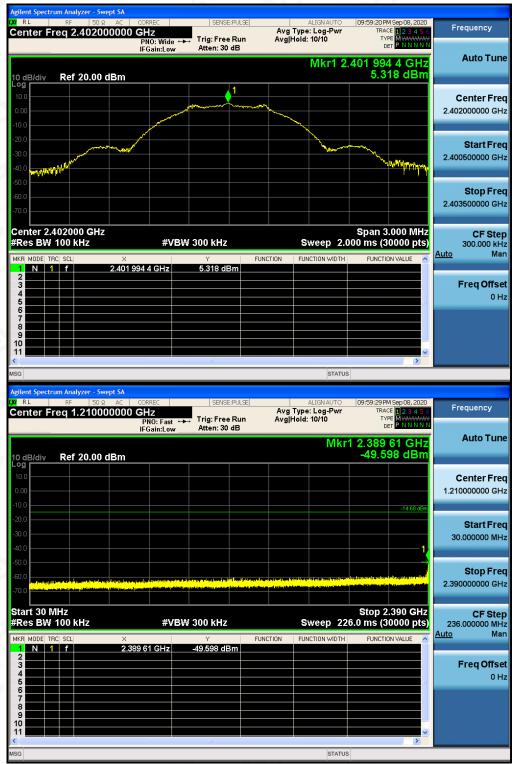
Report No.: AGC10232200801FE03 Page 27 of 76





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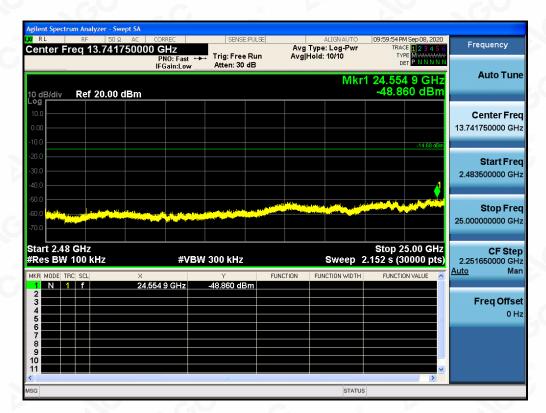


ANTENNA 2 GFSK MODULATION IN LOW CHANNEL

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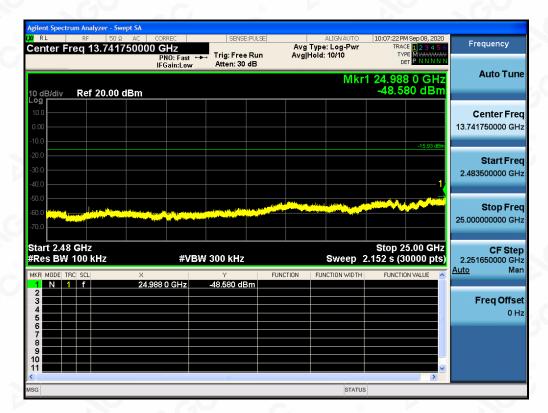
Agilent Spectrum Analyzer - Sv	wept SA				
Center Freq 2.4400	000000 GHz PNO: Wide	SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	10:06:47 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE M	Frequency
10 dB/div Ref 20.00	IFGain:Low	Atten: 30 dB	Mkr1 2	.439 994 9 GHz 4.073 dBm	Auto Tune
10 dB/div Ref 20.00		1	~		Center Freq 2.440000000 GHz
-20.0 -30.0 -40.0	~~~~				Start Freq 2.438500000 GHz
-50.0 -60.0 -70.0					Stop Freq 2.441500000 GHz
Center 2.440000 GHz #Res BW 100 kHz		300 kHz	Sweep 2.0	Span 3.000 MHz 000 ms (30000 pts)	CF Step 300.000 kHz
MKR MODE TRC SCL	× 2.439 994 9 GHz	Y F 4.073 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Man Freq Offset 0 Hz
6 7 8 9 10					
<				>	
MSG			OTATIO		
Anilant Construm Analyzan Co	went CA		STATUS	5	
Agilent Spectrum Analyzer - So (X) RL RF 50 : Center Freq 1.2150	Ω AC CORREC	SENSE:PULSE Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hoid: 10/10	3 10:06:56 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MWWWWW DET P NNNN N	Frequency
Center Freq 1.2150	Ω AC CORREC 1000000 GHz PN0: Fast ↔ IFGain:Low	Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr Avg Hoid: 10/10	10:06:56 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE Munananan	
Center Freq 1.2150	Ω AC CORREC 1000000 GHz PN0: Fast ↔ IFGain:Low	Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr Avg Hoid: 10/10	10:06:56 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MWWWWW DET PINNINN 1 2.394 71 GHz -55.153 dBm	Frequency Auto Tune Center Freq 1.215000000 GHz
X RL RF 50:3 Center Freq 1.2150 Ref 20.00 10 dB/div Ref 20.00 10.0	Ω AC CORREC 1000000 GHz PN0: Fast ↔ IFGain:Low	Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr Avg Hoid: 10/10	10:06:56 PM Sep 08, 2020 TRACE 2 3 4 5 6 TYPE MUMUUUU DET P NN NN N 1 2.394 71 GHz	Auto Tune Center Freq
X RL RF 50 3 Center Freq 1.2150 Ref 20.00 10 B/div Ref 20.00 10 0.00 - -0.00 - - -10.0 - - -30.0 - - -30.0 - - -70.0 - -	Ω AC CORREC PNO: Fast → IFGain:Low	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hoid: 10/10	10:06:56 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MINIMAN DET PININA N 1 2.394 71 GHz -55.153 dBm -15.93 dBm -15.93 dBm -15.93 dBm	Auto Tune Center Freq 1.21500000 GHz Start Freq 30.000000 MHz Stop Freq
X RL RF 503 Center Freq 1.2150 Ref 20.00 10 B/div Ref 20.00 10 0 0 10 - - 10 - - 10 - - 10 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	Ω AC CORREC 100000 GHz PN0: Fast → IFGain:Low	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr	10:06:56 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MUNICAR 12 5 5 TYPE MUNICAR 12 5	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz CF Step 237.000000 MHz
X RL RF 503 Center Freq 1.2150 Ref 20.00 Ref 20.00 10.0	Ω AC CORREC 100000 GHz PN0: Fast → IFGain:Low IFGain:Low	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr	10:06:56 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE M WWWWW DET P N NN N N 1 2.394 71 GHz -55.153 dBm -1533 dBm -1533 dBm -1533 dBm -1533 dBm -1533 dBm -1533 dBm -1533 dBm -1533 dBm -1533 dBm	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz Stop Freq 2.400000000 GHz
X RL RF 503 Center Freq 1.2150 Ref 20.00 10 B/div Ref 20.00 10 B/div Ref 20.00 10 0.00	Ω AC CORREC 100000 GHz PN0: Fast IFGain:Low IFGain:Low	Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr	10:06:56 PM Sep 08, 2020 TRACE 12 3 4 5 6 TYPE MUNICAR 12 5 5 TYPE MUNICAR 12 5	Auto Tune Center Freq 1.215000000 GHz Start Freq 30.000000 MHz 2.400000000 GHz 2.400000000 GHz 237.000000 MHz Auto Man

GFSK MODULATION IN MIDDLE CHANNEL

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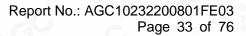
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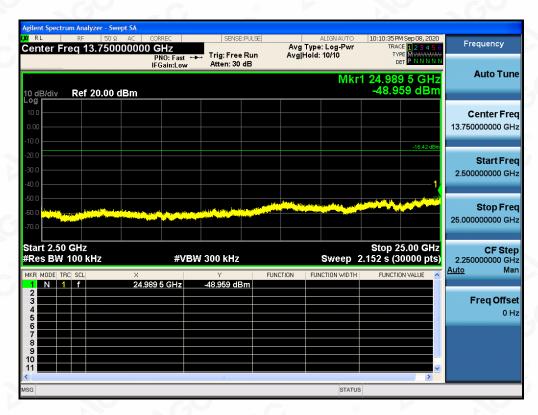
Agilent Spectrum Analyzer - Swept SA				
DX RL RF 50Ω AC Center Freq 2.48000000	0 GHz PNO: Wide ↔ Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	10:10:01 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
10 dB/div Ref 20.00 dBm	IFGain:Low Atten: 30 dB	Mkr1 2.	479 993 1 GHz 3.580 dBm	Auto Tune
	11	am		Center Freq 2.480000000 GHz
-10.0 -20.0 -30.0	We have a second s		~~~~	Start Freq 2.478500000 GHz
-40.0 -50.0				Stop Freq
-70.0			Span 3.000 MHz	2.481500000 GHz
#Res BW 100 kHz	#VBW 300 kHz	-	00 ms (30000 pts)	CF Step 300.000 kHz Auto Man
MKR MODE TRC SCL X	Y F 9 993 1 GHz 3.580 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset
6 6 7 8 8 9 8				
10 11 <			×	
MSG		STATUS		
Agilent Spectrum Analyzer - Swept SA μα RF 50 Ω AC Center Freq 1.21500000	CORREC SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg[Hold: 10/10	10:10:10 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
10 dB/div Ref 20.00 dBm	IFGain:Low Atten: 30 dB	Mkr1	2.397 47 GHz -54.933 dBm	Auto Tune
Log 10.0 0.00 				Center Freq 1.215000000 GHz
-20.0			-16.42 dBm	Start Freq 30.000000 MHz
-50.0	terre se forst blanst senderset ble de folgette er strentlike de sinderse ser	a gy y vy sy ser y an y y y y y y y y y y y y y y y y y		Stop Freq 2.40000000 GHz
Start 30 MHz #Res BW 100 kHz	#VBW 300 kHz	Sweep 228	Stop 2.400 GHz 8.0 ms (30000 pts)	CF Step 237.000000 MHz
	2.397 47 GHz -54.933 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Man Freq Offset 0 Hz
5 6 6 7				0 Hz
10				

GFSK MODULATION IN HIGH CHANNEL

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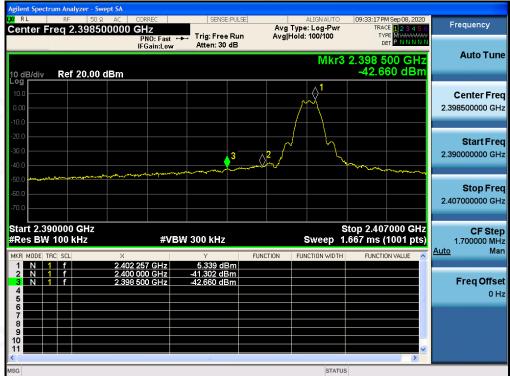




Note: The peak emissions without marker on the above plots are fundamental wave and need not to compare with the limit.

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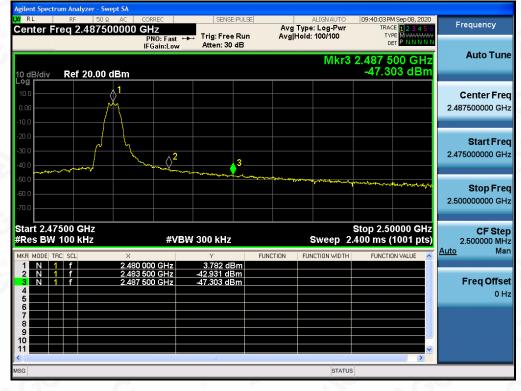




TEST RESULT FOR BAND EDGE

GFSK MODULATION IN LOW CHANNEL-ANTENNA 1

GFSK MODULATION IN HIGH CHANNEL-ANTENNA 1

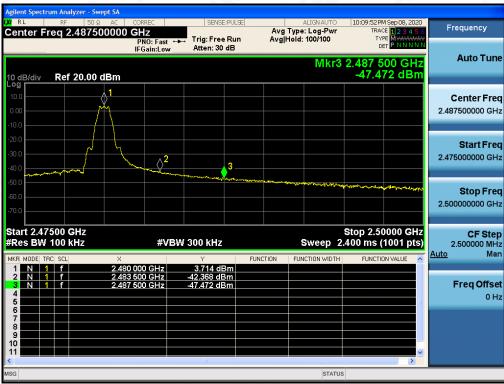


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GFSK MODULATION IN LOW CHANNEL-ANTENNA 2



GFSK MODULATION IN HIGH CHANNEL-ANTENNA 2

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10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

10.1. MEASUREMENT PROCEDURE

- (1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (3). Set the SPA Trace 1 Max hold, then View.

Note: The method of PKPSD in the KDB 558074 item 10.2 was used in this testing.

10.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer to Section 7.2.

10.3. MEASUREMENT EQUIPMENT USED

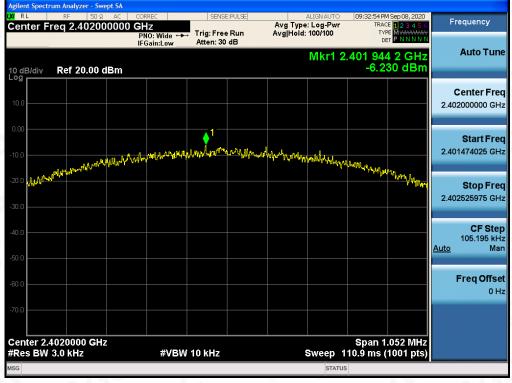
Refer to Section 6.

10.4. LIMITS AND MEASUREMENT RESULT

Channel No.	PSD ANTENNA 1 (dBm/3kHz)	PSD ANTENNA 2 (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	-6.230	-6.187	8	Pass
Middle Channel	-7.343	-7.143	8	Pass
High Channel	-7.444	-8.341	8	Pass

ANTENNA 1

TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL



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TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL

		um Analyze											
<mark>l)XI</mark> R Cen		^{RF} req 2.4	50 Ω 80000		CORREC GH7		SENS	E:PULSE	Avg Typ	ALIGNAUTO e: Log-Pwr	TRAC	1 Sep 08, 2020	Frequency
		09 2	0000		PNO: Wie IFGain:Le		Trig: Fre Atten: 30		Avg Hol	d: 100/100	DE		Auto Tu
10 di Log	B/div	Ref 20).00 dl	Bm						Mkr1 2	479 980. 7.4-) 9 GHz 44 dBm	Auto Tu
10.0													Center Fr 2.480000000 G
0.00 -10.0			1	n. M.M	_{กรา} ะฟูษป์ฟไฟ	๛๙ฬ๛	Ar / Way Just Fr	1 Varve-arlique	Malakrinana/r	Villoulanch			Start Fr 2.479468212 G
-20.0 -30.0	Nwah Mitti	A CONTRACTOR	11pm/10p	- 444 4 1 4						~Wwy ^d o.Jp.w.Wy	124-MAN ALVAN	hand with the second	Stop Fr 2.480531788 G
-40.0													CF St 106.358 k <u>Auto</u> M
-50.0 -60.0													Freq Offs 0
-70.0													
		1800000 3.0 kHz			#	VBW	10 kHz			Sweep 1	Span 1 12.2 m <u>s (</u>	.064 MHz 1001 pts)	
MSG										STATUS			

TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL

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ANTENNA 2 TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL

TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



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11. RADIATED EMISSION

11.1. MEASUREMENT PROCEDURE

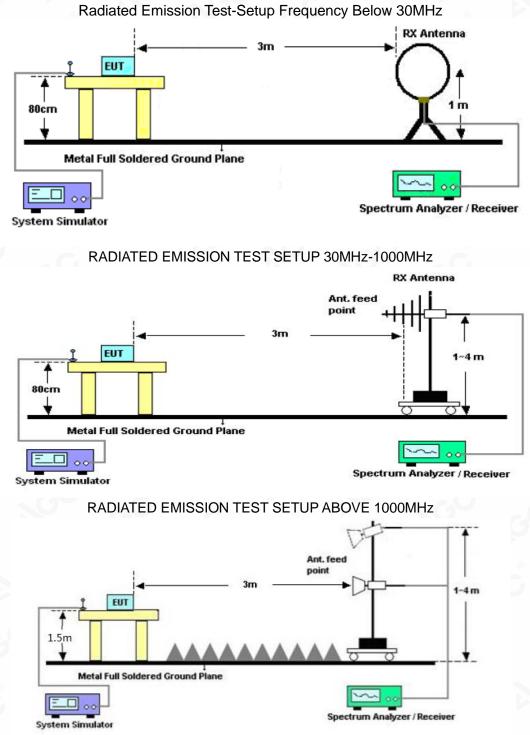
- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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11.2. TEST SETUP



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11.3. LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.

11.4. TEST RESULT

RADIATED EMISSION BELOW 30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

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Antenna 1

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RADIATED EMISSION BELOW 1GHZ

UT			ess Mie mitter	crophone	e System	- Model	I Name		Wireless C Transmitte	
emperature	•		21.8° C 960hPa				Relative Humidity Test Voltage		58% Normal Voltage	
ressure										
est Mode		Mode	1	0	0	Anten	ina		Horizontal	1
						4			imit:	
	Ŵ	where made	ant/Hywp ^a ty	yn Awdrin	Mm & run	Jana Maria	en politiku Merina Internetiku Merina			
-13 30.000	127.00	224.00	321.00		3 ////////////////////////////////////			06.00	1000.00	-
	127.00 No. 1	224.00 Mk. Fr	321.00 F eq.	418.00 Reading Level	515.00 Correct Factor	612.00 Measure- ment	709.00 8 - Limit	BOG.00 Over	1000.00	-
	No.	224.00 Mk. Fr	321.00 F eq. Hz	418.00 Reading Level dBuV	515.00 Correct Factor dB	G12.00 Measure- ment dBuV/m	709.00 8 - Limit dBuV/m	006.00 Over dB	1000.00 Detector	-
	No.	224.00 Mk. Fr M17.30	321.00 Feq. Hz	418.00 Reading Level dBuV 2.14	515.00 Correct Factor dB 17.03	612.00 Measure- ment dBuV/m 19.17	709.00 8 - Limit dBuV/m 43.50	006.00 Over dB -24.33	1000.00 Detector peak	-
	No. 1 2	224.00 Mk. Fr M117.30 343.63	321.00 F req. Hz 000 333	418.00 Reading Level dBuV 2.14 1.91	515.00 Correct Factor dB 17.03 21.26	612.00 Measure- ment dBuV/m 19.17 23.17	709.00 8 Limit dBuV/m 43.50 46.00	006.00 Over dB -24.33 -22.83	1000.00 Detector peak peak	-
	No. 1 2 3	224.00 Mk. Fr 117.30 343.63 498.83	321.00 Feq. Hz 000 333 333	418.00 Reading Level dBuV 2.14 1.91 0.45	515.00 Correct Factor dB 17.03 21.26 24.94	612.00 Measure- ment dBuV/m 19.17 23.17 25.39	709.00 8 Limit dBuV/m 43.50 46.00 46.00	Over dB -24.33 -22.83 -20.61	1000.00 Detector peak peak peak	-
	No. 1 2	224.00 Mk. Fr M117.30 343.63	321.00 Feq. Hz 000 333 333	418.00 Reading Level dBuV 2.14 1.91	515.00 Correct Factor dB 17.03 21.26	612.00 Measure- ment dBuV/m 19.17 23.17	709.00 8 Limit dBuV/m 43.50 46.00	006.00 Over dB -24.33 -22.83	1000.00 Detector peak peak	-
	No. 1 2 3	224.00 Mk. Fr 117.30 343.63 498.83	321.00 Feq. Hz 000 333 333 000	418.00 Reading Level dBuV 2.14 1.91 0.45	515.00 Correct Factor dB 17.03 21.26 24.94	612.00 Measure- ment dBuV/m 19.17 23.17 25.39	709.00 8 Limit dBuV/m 43.50 46.00 46.00	Over dB -24.33 -22.83 -20.61	1000.00 Detector peak peak peak	-

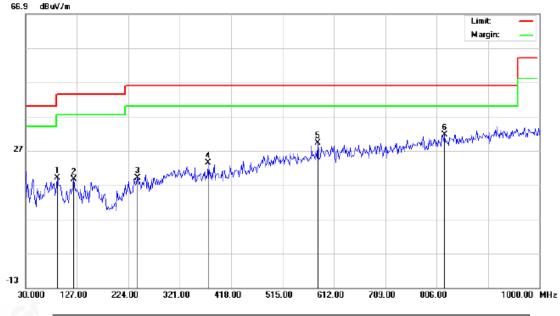
RESULT: PASS

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EUT	Wireless Microphone System - Transmitter	Model Name	Wireless GO II Transmitter
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		89.8167	4.04	14.98	19.02	43.50	-24.48	peak
2	1	20.5333	0.70	17.87	18.57	43.50	-24.93	peak
3	2	40.1667	0.29	18.66	18.95	46.00	-27.05	peak
4	3	74.3500	2.32	21.11	23.43	46.00	-22.57	peak
5	5	81.2833	2.72	26.58	29.30	46.00	-16.70	peak
6	* 8	20.5500	1.00	30.68	31.68	46.00	-14.32	peak

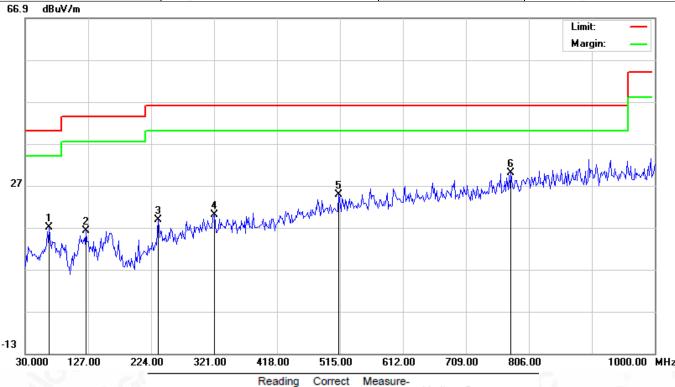
RESULT: PASS

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Antenna 2

EUT	Wireless Microphone System - Transmitter	Model Name	Wireless GO II Transmitter
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
-			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
8	1		67.1833	0.30	16.76	17.06	40.00	-22.94	peak
/ [2	1	23.7667	-1.03	17.27	16.24	43.50	-27.26	peak
-	3	2	35.3167	0.89	17.86	18.75	46.00	-27.25	peak
-	4	3	21.0000	-1.32	21.37	20.05	46.00	-25.95	peak
-	5	5	13.3832	-0.35	25.25	24.90	46.00	-21.10	peak
-	6	* 7	78.5167	0.00	29.92	29.92	46.00	-16.08	peak

RESULT: PASS

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:UT 				Wireless Microphone System - Transmitter				Model Name				Wireless GO II Transmitter					
F emperat	ture		2	21.8° C				Relative Humidity			y	58%)		8		
Pressure	ressure			960hPa Mode 1				Test Voltage Antenna				Normal Voltage Vertical					
est Mode		N									S.C						
66.9 dBu	IV/m																
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27	1			2 X		a kuu	3 Nukamili	million	North	Mala	Walnum	nhwl	мW	Nm#M	14mm	/www.pu	M
27	w/mw/	hand	MM	2 Andren	nter-u	ilm.hrm		www	NW-Ne-M	win/hr	Milan	Mund	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	NmMM	Mara M	/~~/N	
Mundh	w/mw/	hand	hund t	2× 1 dm	m ^m mm	i Mudunu M		und hydrody	NH-NH-M	Win Mar	White Mark	Mr.w.1	www	NmMM		/////	
Mwh	127.00	224			nMm~vt 1.00	418.00			₩₩ 612.0		₩ ₩₩₩	806.		North And		<u>/////////////////////////////////////</u>	
13		WV~ .		32			515 ng Corre	.00 ect M						North			
13		WV~ .	00	32	1.00	418.00 Readin	515 ng Corre	.00 ect Metor I	612.0 easure-	0 70)9.00		00	North Contraction			
13		WV~ .	00	32 Mk.	1.00 Freq.	418.00 Readin Level	ng Corra Fact	i.00 ect Me tor I dl	612.0 easure- ment BuV/m 7.62	0 7(Limit dBuV/m 43.50	09.00 Over dB -25.88	806.	00 or	North			
13		WV~ .	.00 No.	32 Mk.	1.00 Freq. MHz 60.9500 75.7333	418.00 Readin Level dBuV -1.19 0.05	515 ng Corre B B 18.8 5 19.5	2.00 ect Mitor 1 dl 11 1 159 1	612.0 easure- ment BuV/m 7.62 9.64	0 70 Limit dBuV/m	09.00 Over dB -25.88 -26.36	806.	00	rdm#h^			
13		WV~ .	.00 No. 1 2 3	32 Mk. 10 21 43	1.00 Freq. MHz 60.9500 75.7333 37.4000	418.00 Readin Level dBuV -1.19 0.05 -1.01	515 ng Corre Fact 0 18.8 5 19.5 1 22.4	2.00 ect Me di 11 1 39 1 8 2	612.0 easure- ment BuV/m 7.62 9.64 1.47	0 70 Limit dBuV/m 43.50 46.00 46.00	09.00 Over dB -25.88 -26.36 -24.53	806. Detecto		North A			
13		WV~ .	00 No. 1 2 3 4	32 Mk. 10 21 43 64	1.00 Freq. MHz 60.9500 75.7333 37.4000 44.3333	418.00 Readin Level dBuV -1.19 0.05 -1.01 -0.32	515 ng Corre B 0 18.8 5 19.5 1 22.4 2 27.4	2.00 ect Mitor 1 di 11 1 139 1 18 2 18 2	612.0 easure- ment 3uV/m 7.62 9.64 1.47 7.16	0 70 Limit dBuV/m 43.50 46.00 46.00 46.00	09.00 Over dB -25.88 -26.36 -24.53 -18.84	806. Detecto peak	00				
13		WV~ .	.00 No. 1 2 3	32 Mk. 10 27 43 64 70	1.00 Freq. MHz 60.9500 75.7333 37.4000	418.00 Readin Level dBuV -1.19 0.05 -1.01	515 ng Corre B 0 18.8 5 19.5 1 22.4 2 27.4 4 29.6	a.00 ect Metor 1 di 11 1 18 2 18 2 18 2 18 2 18 2 18 2	612.0 easure- ment BuV/m 7.62 9.64 1.47	0 70 Limit dBuV/m 43.50 46.00 46.00	09.00 Over dB -25.88 -26.36 -24.53	Boek Detector peak peak peak		New Mark			

RESULT: PASS Note:

1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. All the test modes of two antennas had been tested, the mode 1 was the worst case. Only the data of the worst case would be record in this test report.

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RADIATED EMISSION ABOVE 1GHZ

Antenna 1			
EUT	Wireless Microphone System - Transmitter	Model Name	Wireless GO II Transmitter
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- value Type
4804.000	47.26	0.08	47.34	74	-26.66	peak
4804.000	38.26	0.08	38.34	54	-15.66	AVG
7206.000	42.49	2.21	44.7	74	-29.3	peak
7206.000	31.07	2.21	33.28	54	-20.72	AVG
			(G)			
			0			
emark:		- 61	- 6	0		
actor = Anter	nna Factor + Cab	e Loss – Pre-	-amplifier.	- 61	8	

EUT	Wireless Microphone System - Transmitter	Model Name	Wireless GO II Transmitter
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4804.000	46.98	0.08	47.06	74	-26.94	peak
4804.000	35.18	0.08	35.26	54	-18.74	AVG
7206.000	40.37	2.21	42.58	74	-31.42	peak
7206.000	30.46	2.21	32.67	54	-21.33	AVG
3	®			0		
emark:	a.C.	®		2	O	
Auton	Easter & Oakla	Las Dia				

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Dedicated Fe Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "bedicated Past Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com. g/Inspection he test results Sf he test report.



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EUT	Wireless Microphone System - Transmitter	Model Name	Wireless GO II Transmitter
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4880.000	46.19	0.14	46.33	74	-27.67	peak
4880.000	37.48	0.14	37.62	54	-16.38	AVG
7320.000	42.11	2.36	44.47	74	-29.53	peak
7320.000	31.67	2.36	34.03	54	-19.97	AVG
®				®		
- 6	0			0	®	
emark:				0	e.G	(6)
actor = Anter	nna Factor + Cable	e Loss – Pre-	amplifier.			

EUT	Wireless Microphone System - Transmitter	Model Name	Wireless GO II Transmitter
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4880.000	49.18	0.14	49.32	74 💿	-24.68	peak
4880.000	38.16	0.14	38.3	54	-15.7	AVG
7320.000	43.21	2.36	45.57	74	-28.43	peak
7320.000	32.47	2.36	34.83	54	-19.17	AVG
8			e.C			
mark:						

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EUT	Wireless Microphone System - Transmitter	Model Name	Wireless GO II Transmitter
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4960.000	49.12	0.22	49.34	74	-24.66	peak
4960.000	38.12	0.22	38.34	54	-15.66	AVG
7440.000	43.47	2.64	6.11	74	-27.89	peak
7440.000	33.44	2.64	36.08	54	-17.92	AVG
	®				®	
emark:	-0 -	(C)		0	- C	. (6)
actor = Anter	nna Factor + Cable	e Loss – Pre-	amplifier.			

EUT	Wireless Microphone System - Transmitter	Model Name	Wireless GO II Transmitter
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	⊙ (dBµV/m)	(dBµV/m)	(dB)	Value Type
4960.000	49.17	0.22	49.39	74	-24.61	peak
4960.000	37.14	0.22	37.36	54 💿	-16.64	AVG
7440.000	43.56	2.64	46.2	74	-27.8	peak
7440.000	31.92	2.64	34.56	54	-19.44	AVG
					G	-0-

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: PASS

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Antenna 2

EUT	Wireless Microphone System - Transmitter	Model Name	Wireless GO II Transmitter
Temperature	21.8°C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4804.000	46.59	0.08	46.67	74	-27.33	peak
4804.000	37.12	0.08	37.2	54	-16.8	AVG
7206.000	40.18	2.21	42.39	74	-31.61	peak
7206.000	30.19	2.21	32.4	54	-21.6	AVG
5	10			S	20	
emark:			0			
actor = Anter	nna Factor + Cab	le Loss – Pre-	amplifier.	8		

EUT	Wireless Microphone System - Transmitter	Model Name	Wireless GO II Transmitter
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
46.86	0.08	46.94	74	-27.06	peak
34.17	0.08	34.25	54	-19.75	AVG
41.34	2.21	43.55	74	-30.45	peak
31.22	2.21	33.43	54	-20.57	AVG
	<u> </u>	®			G
			8		
®					
	(dBµV) 46.86 34.17 41.34	(dBµV) (dB) 46.86 0.08 34.17 0.08 41.34 2.21	(dBµV) (dB) (dBµV/m) 46.86 0.08 46.94 34.17 0.08 34.25 41.34 2.21 43.55	(dBµV) (dB) (dBµV/m) (dBµV/m) 46.86 0.08 46.94 74 34.17 0.08 34.25 54 41.34 2.21 43.55 74	(dBµV) (dB) (dBµV/m) (dBµV/m) (dB) 46.86 0.08 46.94 74 -27.06 34.17 0.08 34.25 54 -19.75 41.34 2.21 43.55 74 -30.45

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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