
FCC Test Report

Report No.: AGC10636200601FE04

FCC ID : 2ASVO05B-73

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION : FM transmitter

BRAND NAME : CZERF

MODEL NAME : CZE-05B, SIGNSTEK ST-05B

APPLICANT : Guangzhou Chuanzhou Electronic Technology Co., Ltd.

DATE OF ISSUE : July 14, 2020

STANDARD(S) : FCC Part 73 Subpart D

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	/	July 14, 2020	Valid	Initial Release



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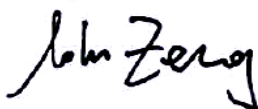
1. VERIFICATION OF CONFORMITY

Applicant	Guangzhou Chuanzhou Electronic Technology Co., Ltd.
Address	2/F, No.3 Chuangye Second Road, Guan Dao village, Shapu, Xintang Town. Zengcheng District, GuangZhou, China.
Manufacturer	Guangzhou Chuanzhou Electronic Technology Co., Ltd.
Address	2/F, No.3 Chuangye Second Road, Guan Dao village, Shapu, Xintang Town. Zengcheng District, GuangZhou, China.
Factory	Guangzhou Chuanzhou Electronic Technology Co., Ltd.
Address	2/F, No.3 Chuangye Second Road, Guan Dao village, Shapu, Xintang Town. Zengcheng District, GuangZhou, China.
Product Designation	FM transmitter
Brand Name	CZERF
Test Model	CZE-05B
Series Model	SIGNSTEK ST-05B
Model Difference	All the same except for the model name
Date of test	Jun. 16, 2020 to July 14, 2020
Deviation	No any deviation from the test method
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-US-NCE-FM/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 C63.26 (2015) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC Part 73 Sub part D.

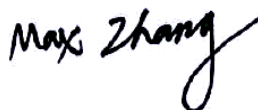
Prepared By



John Zeng
Project Engineer

July 14, 2020

Reviewed By



Max Zhang
Reviewer

July 14, 2020

Approved By



Forrest Lei
Authorized Officer

July 14, 2020



2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

Operation Frequency	87.9MHz-91.9MHz
Maximum Radiated Power	0.8W
Classes of NCE-FM	Class D educational station
Modulation	FM
Number of channels	21(Channel Spacing is 200kHz)
Antenna Gain	1.3dBi
Antenna Designation	Dedicated Antenna
Hardware Version	V2.0
Software Version	V2.0
Power Supply	DC 12V by adapter



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 Radiated Emission below 1GHz, $U_c = \pm 4.0$ dB
- Uncertainty of Radiated Emission above 1GHz, $U_c = \pm 4.8$ dB
- Uncertainty of Maximum radiated power, $U_c = \pm 0.8$ dB
- Uncertainty of Occupied Channel Bandwidth: $U_c = \pm 2$ %



4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Transmitting Low Channel (87.9MHz) mode
2	Transmitting Middle Channel (89.9MHz)mode
3	Transmitting High Channel (91.9MHz)mode

Note:

1. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
2. For Conducted Test method, a temporary antenna connector is provided by the manufacture.



5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Radiated Emission Configure :



5.2 EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	FM transmitter	CZE-05B	2ASVO05B-73	EUT
2	Adapter	MODEL: ADS0202-U120167 INPUT: 100-240V 50/60Hz 0.6A OUTPUT: 12V ---1.67A	--	Accessory

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§73.506 §73.210 §2.1046	Output power	Compliant
§73.508 §73.310 §2.1047	Modulation characteristics	Compliant
§73.508 §73.310 §2.1055	Frequency stability	Compliant
§73.508 §73.310 §2.1049	Occupied bandwidth	Compliant
§73.508 §73.317 §2.1051	Emission mask and Spurious emissions	Compliant



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 RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	May 15, 2020	May 14, 2022
EXA Signal Analyzer	Aglient	N9020A	MY52090123	Sep. 09, 2020	Sep. 08, 2021
Attenuator	Warriors	W13	11324	Sep. 09, 2020	Sep. 08, 2021
Horn antenna	ETS-LINDGREEN	3117	00154520	Oct. 21, 2018	Oct. 20, 2020
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	Jun. 14, 2020	Jun. 13, 2022
Double-Ridged Waveguide Horn	ETS-LINDGREEN	3117	00034609	May 17, 2019	May 16, 2021
Broadband Preamplifier	ETS-LINDGREEN	3117PA	00225134	Oct. 15, 2019	Oct. 14, 2020
ANTENNA	SCHWARZBECK	VULB9168	494	Jan. 09, 2019	Jan. 08, 2021
Wireless communication tester	HP	8920B	US35010161	Oct. 08, 2019	Oct. 07, 2020
Test software	Tonscend	JS32-RE (Ver. 2.5)	N/A	N/A	N/A



7. OUTPUT POWER

7.1. TEST LIMIT

A Class D educational station is one operating with no more than 10 watts transmitter power output.

7.2. MEASUREMENT PROCEDURE

☒ EIRP Test Method(ANSI C63.26 Section 5.2.7)

1. The EUT was placed on the top of the turntable 0.8 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 emissions, 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. $EIRP[dBm] = E[dB(\mu V)/m] - 95.2$

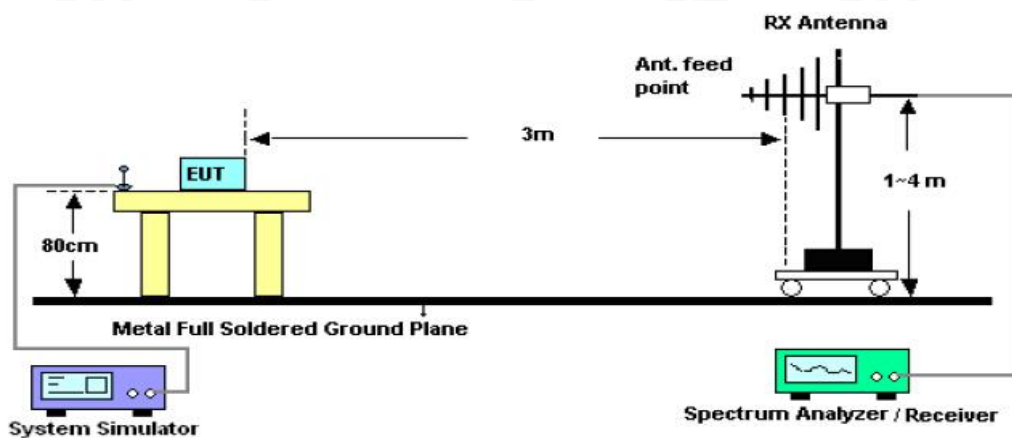
☒ Conducted Power Test Method(ANSI C63.26 Section 5.2.3.3)

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. $RBW \geq OBW$.
3. $VBW \geq 3 \times RBW$.
4. $Span \geq 2 \times OBW$.
5. Sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})$
6. Detector function: Peak.
7. Trace: Max hold.
8. 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.

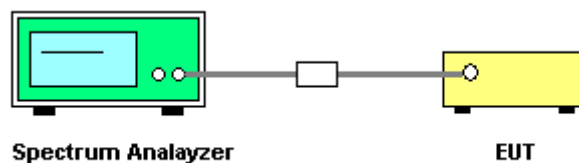


7.3. TEST SETUP

☒ EIRP Test Method



☒ Conducted Power Test Method



7.4. TEST RESULT

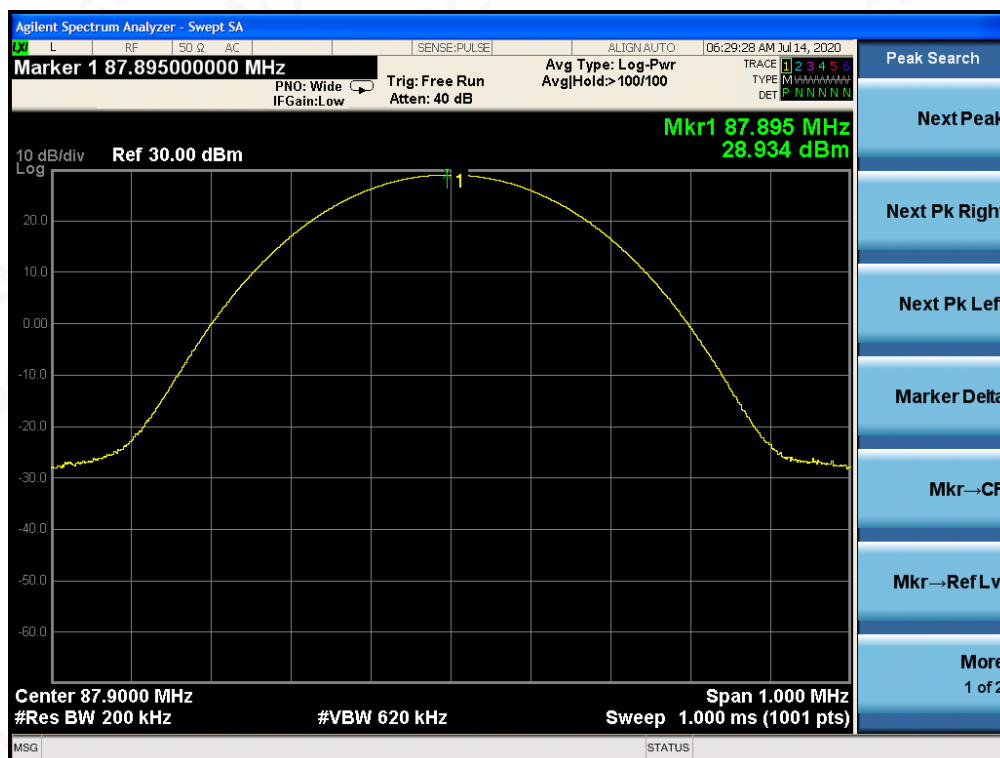
EIRP Power:

Frequency MHz	Polarization	Reading dBm	Factor dB	Level dBm Peak	Limit dBm Average	Margin dB	Pass/Fail
87.9	Horizontal	5.12	22.41	27.53	40	-12.47	Pass
87.9	Vertical	3.33	25.29	28.62	40	-11.38	Pass
89.9	Horizontal	4.77	22.65	27.42	40	-12.58	Pass
89.9	Vertical	2.98	25.53	28.51	40	-11.49	Pass
91.9	Horizontal	4.55	22.86	27.41	40	-12.59	Pass
91.9	Vertical	2.68	25.78	28.46	40	-11.54	Pass

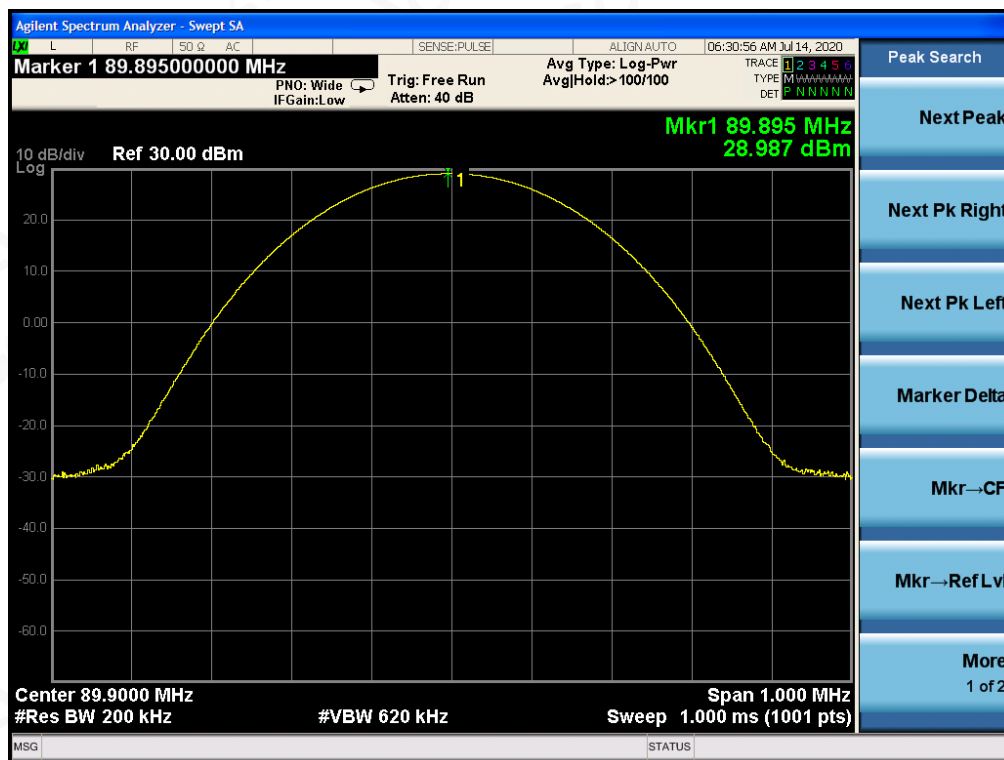
Conducted Power:

Test Channel	Peak Power (dBm)	Limit dBm
87.9 MHz	28.934	40
89.9 MHz	28.987	40
91.9 MHz	29.028	40

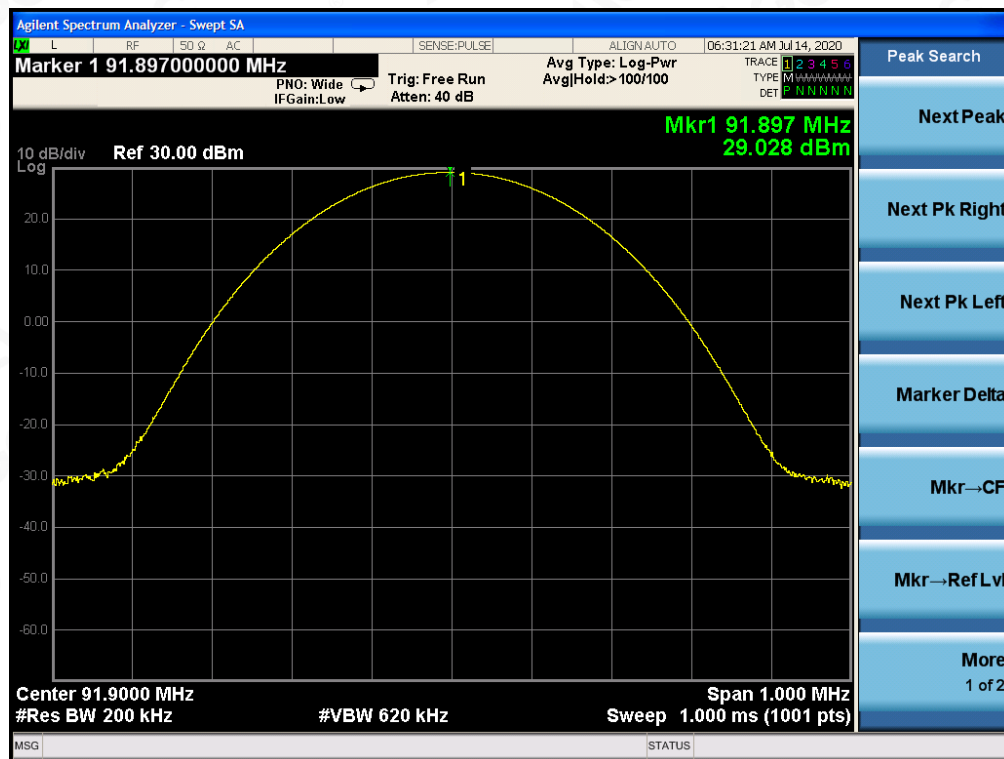
Low channel



Middle channel



High channel



8. MODULATION CHARACTERISTICS

8.1 TEST LIMIT

- According to CFR 47 section 2.1047(a), for Voice Modulation Communication Equipment, the frequency response of the audio modulation circuit over a range of 100 to 5000Hz shall be measured.
- According to CFR 47 section 73.310, For FM broadcast stations, a frequency deviation of $\pm 75\text{kHz}$ is defined as 100% modulation.

8.2 MEASUREMENT METHOD

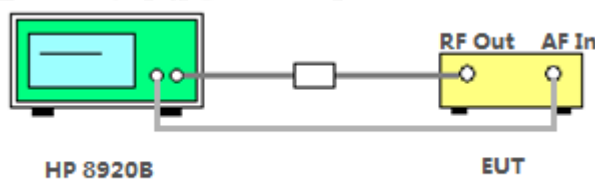
MODULATION LIMIT

- Configure the EUT as shown in the set-up, adjust the audio input for 60% of rated system deviation at 1KHz using this level as a reference (0dB) and vary the input level from 0 to +20dB in 5 dB increments.
Record the frequency deviation obtained as a function of the input level.
- Repeat step 1 with input frequency changing to 300, 2500, and 3000 Hz in sequence.

AUDIO FREQUENCY RESPONSE

- Configure the EUT as shown in Set-up.
- Adjust the audio input for 20% of rated system deviation at 1 KHz using this level as a reference (0 dB).
- Vary the Audio frequency from 300 Hz to 3000 Hz and record the frequency deviation.
- Audio Frequency Response = $20\log_{10} (\text{Deviation of test frequency} / \text{Deviation of 1 KHz reference})$.

8.3. TEST SETUP

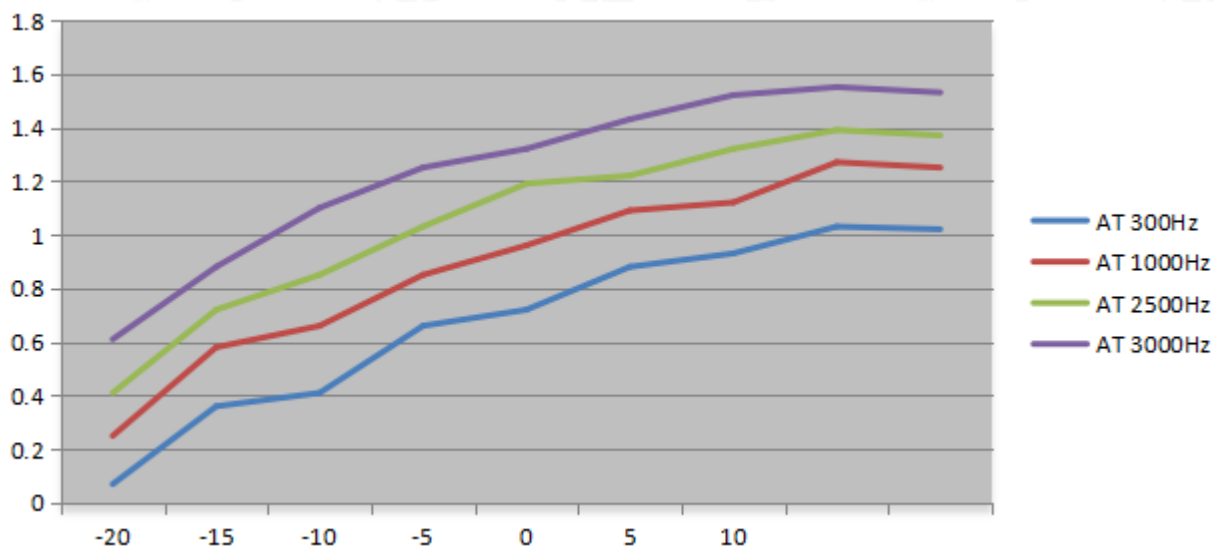


8.4 TEST RESULT

a). Modulation Limit:

Test Result @Low Channel

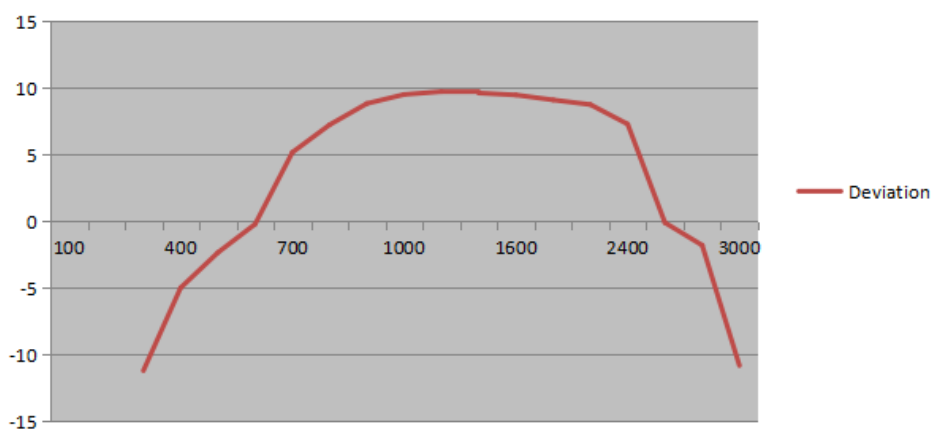
Modulation Level (dB)	Peak Positive Deviation At 300 Hz (KHz)	Peak Positive Deviation At 1000 Hz (KHz)	Peak Positive Deviation At 2500 Hz (KHz)	Peak Positive Deviation At 3000 Hz (KHz)
0	0.72	0.96	1.19	1.32
5	0.88	1.09	1.22	1.43
10	0.93	1.12	1.32	1.52
15	1.03	1.27	1.39	1.55
20	1.02	1.25	1.37	1.53
Modulation Level (dB)	Peak negative Deviation At 300 Hz (KHz)	Peak negative Deviation At 1000 Hz (KHz)	Peak negative Deviation At 2500 Hz (KHz)	Peak negative Deviation At 3000 Hz (KHz)
0	0.72	0.96	1.19	1.32
5	0.66	0.85	1.03	1.25
10	0.41	0.66	0.85	1.1
15	0.36	0.58	0.72	0.88
20	0.07	0.25	0.41	0.61



b). Audio Frequency Response:

Test Result @ Low Channel

Frequency (Hz)	Deviation (KHz)	Audio Frequency Response (dB)
100		
200	--	
300	0.22	-11.21
400	0.45	-5.00
500	0.61	-2.36
600	0.78	-0.22
700	1.45	5.17
800	1.84	7.23
900	2.21	8.83
1000	2.39	9.51
1200	2.45	9.72
1400	2.42	9.61
1600	2.38	9.47
1800	2.28	9.10
2000	2.19	8.75
2400	1.85	7.28
2500	0.79	-0.11
2800	0.65	-1.80
3000	0.23	-10.83



9. OCCUPIED BANDWIDTH

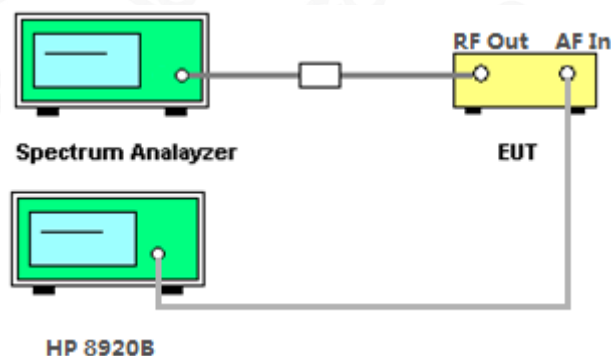
9.1. TEST LIMIT

The operating bandwidth shall not exceed 200 kHz.

9.2. MEASUREMENT PROCEDURE

1. For the occupied bandwidth measurements, the input signal shall be a 400Hz, 1 kHz and 15KHz tone. The level of the tone shall be set to the manufacturer's maximum rated input to the modulator.
2. Set the EUT Work on operation frequency.
3. Set Span = approximately 1.5 times the occupied bandwidth, centered on a channel
The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW; Sweep = auto; Detector function = peak
4. Set SPA Trace 1 Max hold, then View.

9.3. TEST SET-UP



9.4. MEASUREMENT RESULTS

Input 400Hz signal

Test Channel	-26dBc EBW (kHz)	99% OBW (kHz)	Limit (kHz)
87.9 MHz	30.02	24.454	200
89.9 MHz	37.06	25.052	200
91.9 MHz	36.89	25.658	200

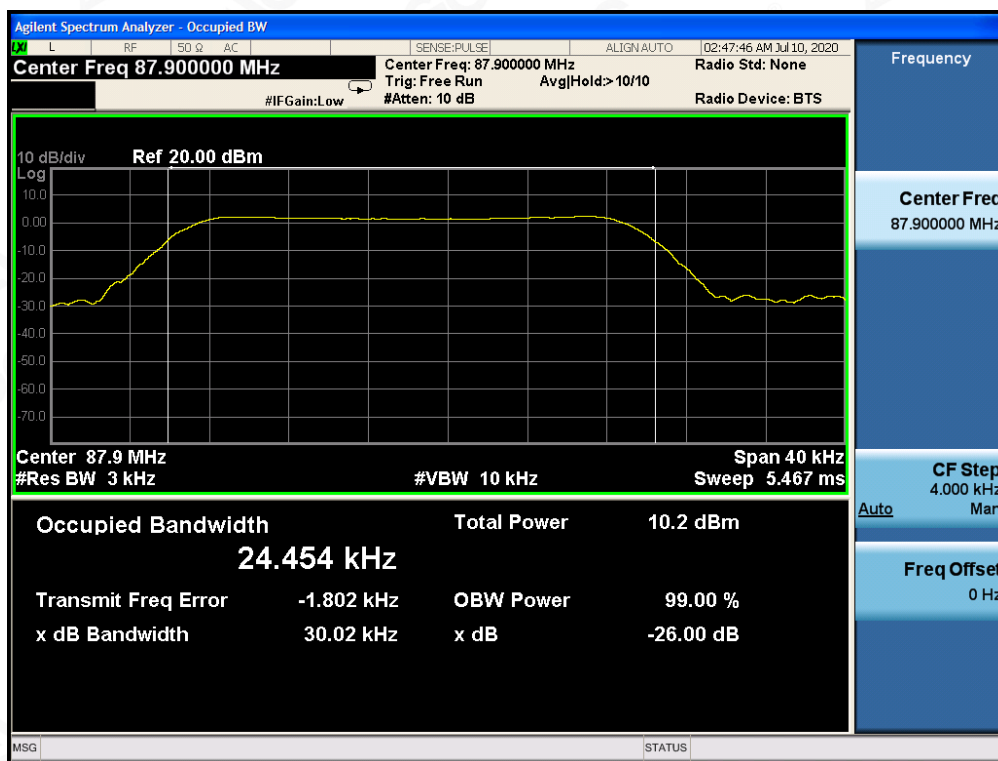
Input 1KHz signal

Test Channel	-26dBc EBW (kHz)	99% OBW (kHz)	Limit (kHz)
87.9 MHz	31.69	25.576	200
89.9 MHz	32.96	26.238	200
91.9 MHz	33.01	26.566	200

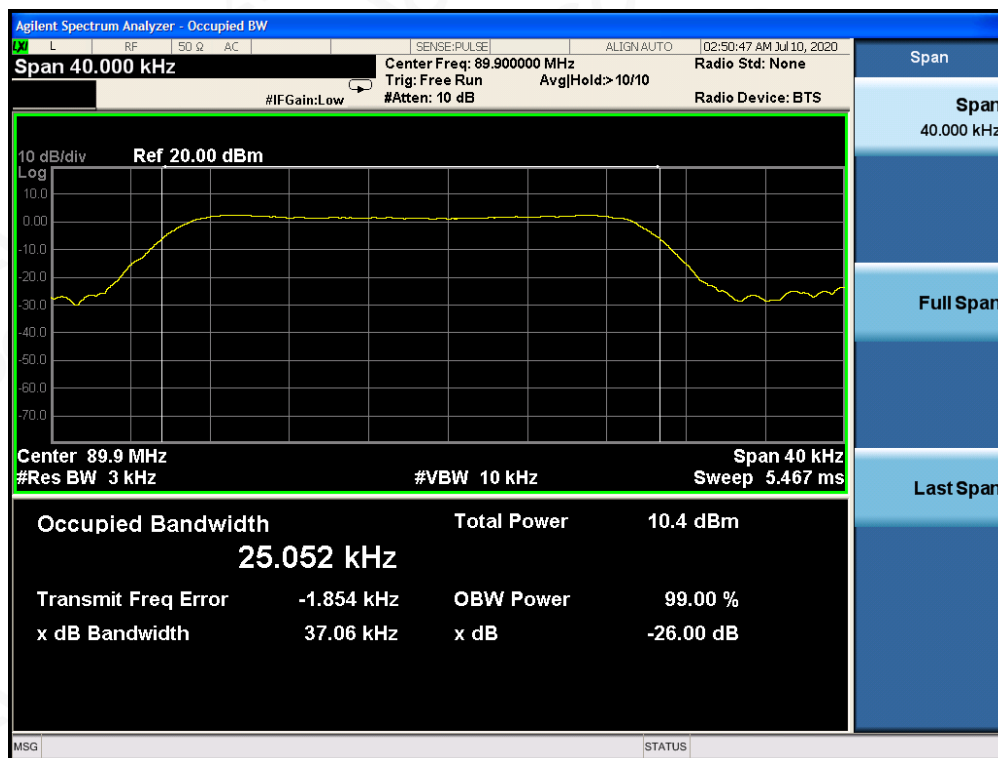
Input 15KHz signal

Test Channel	-26dBc EBW (kHz)	99% OBW (kHz)	Limit (kHz)
87.9 MHz	141.7	104.33	200
89.9 MHz	144.4	106.66	200
91.9 MHz	146.3	107.98	200

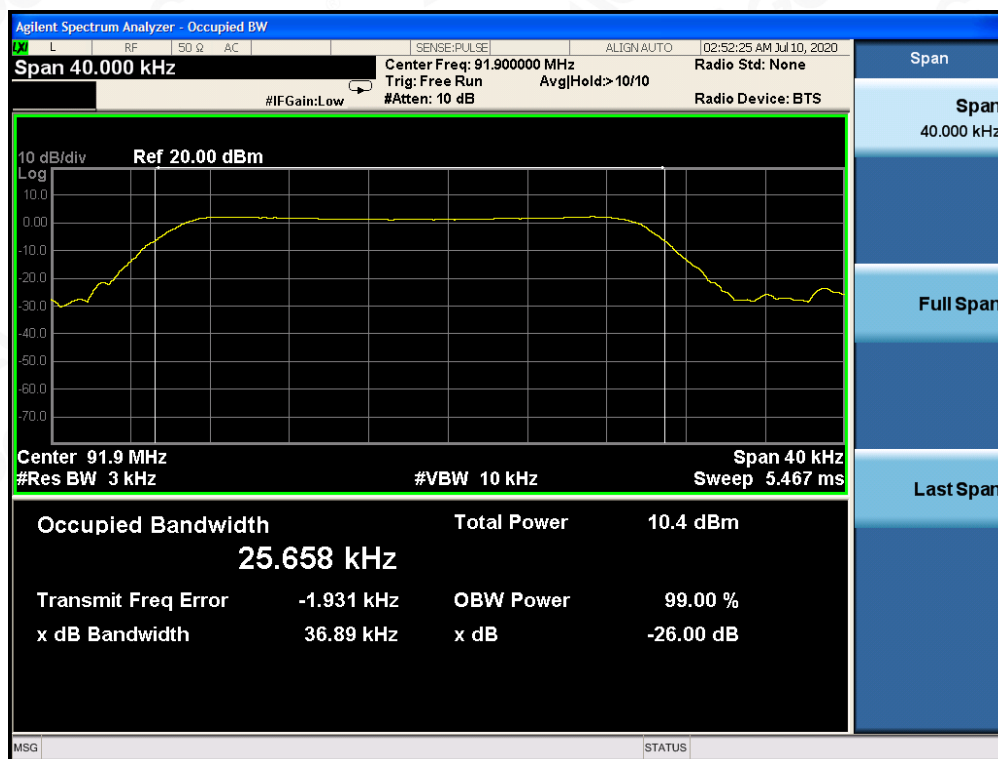
TEST PLOT OF BANDWIDTH
Input 400Hz signal Low channel



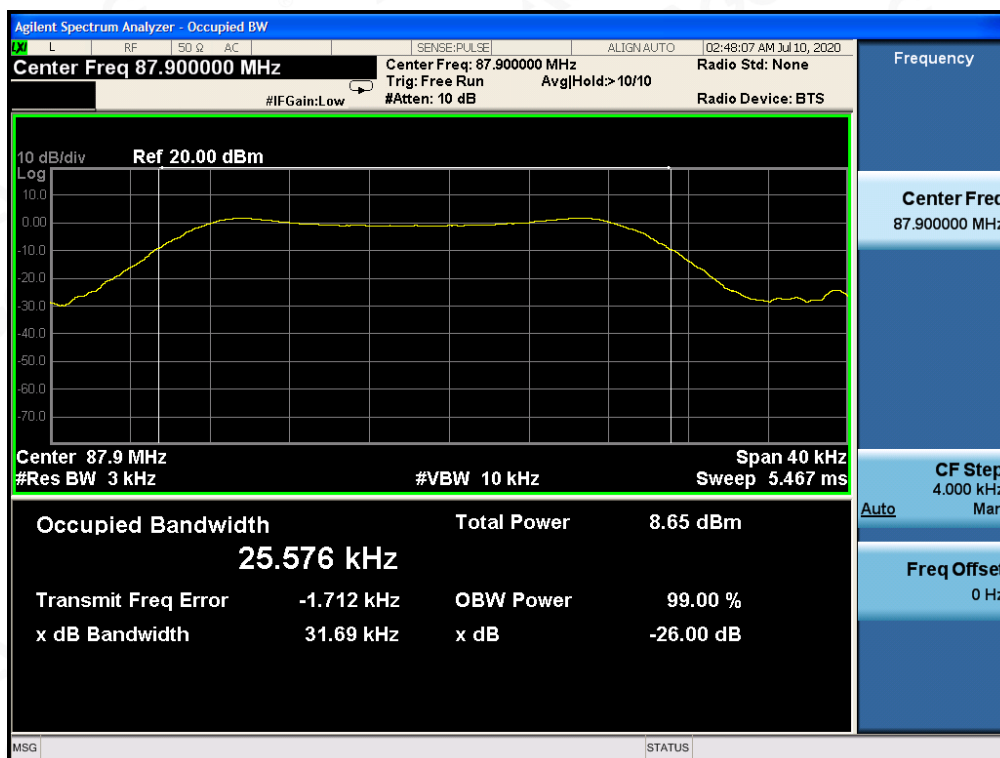
Input 400Hz signal Middle channel



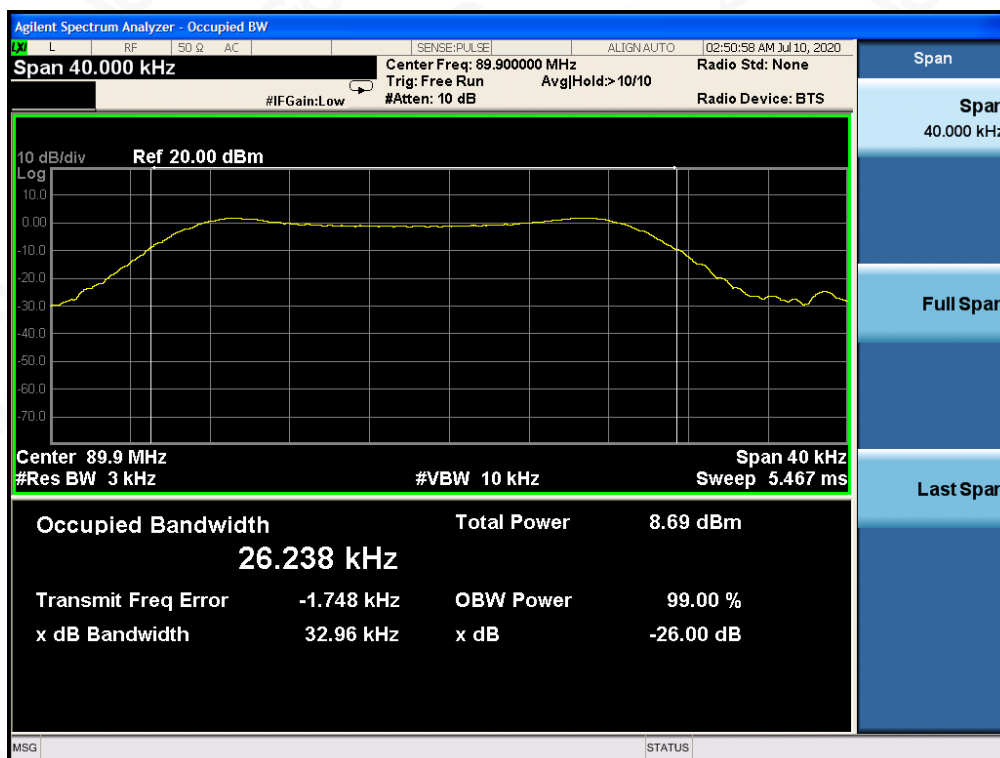
Input 400Hz signal High channel



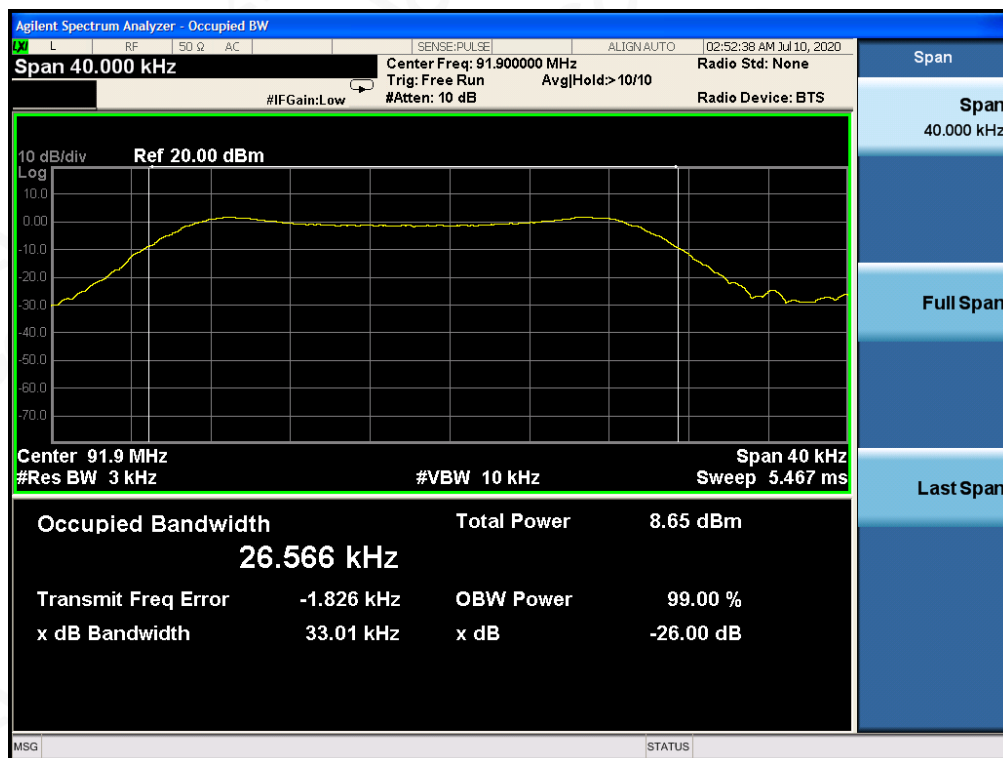
Input 1KHz signal Low channel



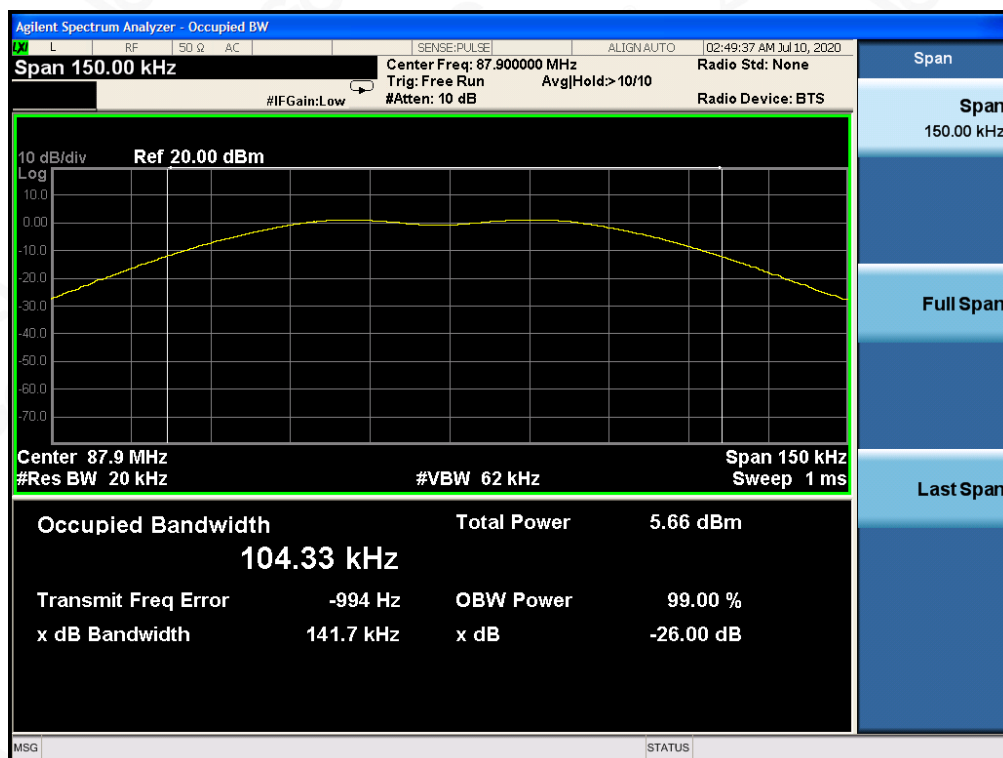
Input 1KHz signal Middle channel



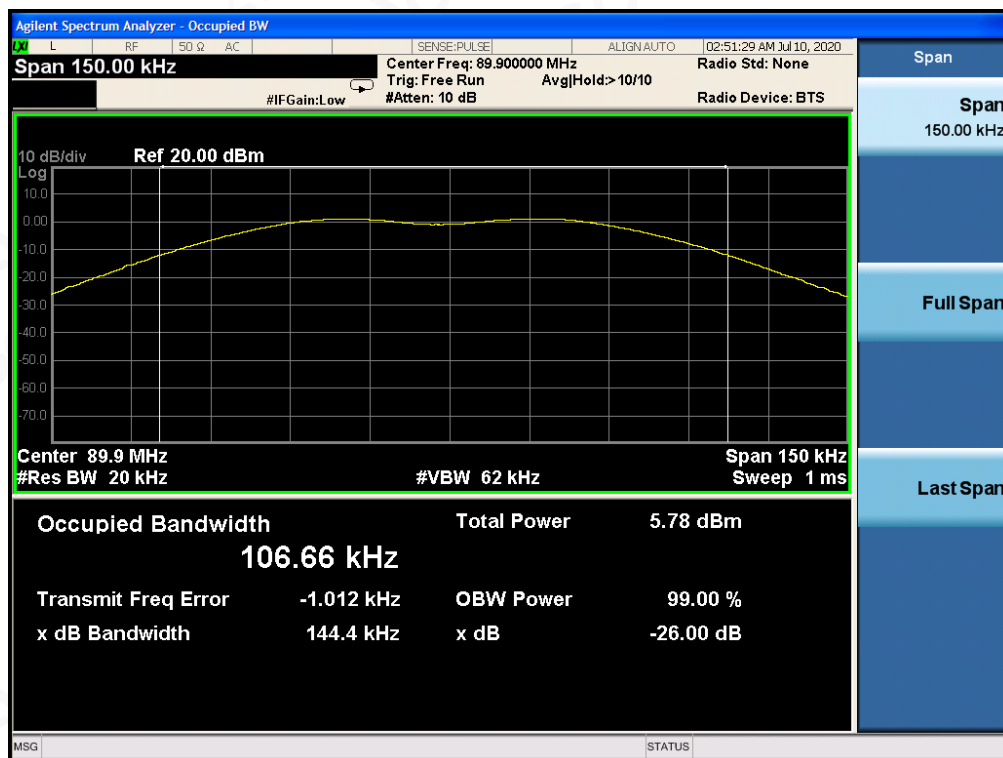
Input 1KHz signal High channel



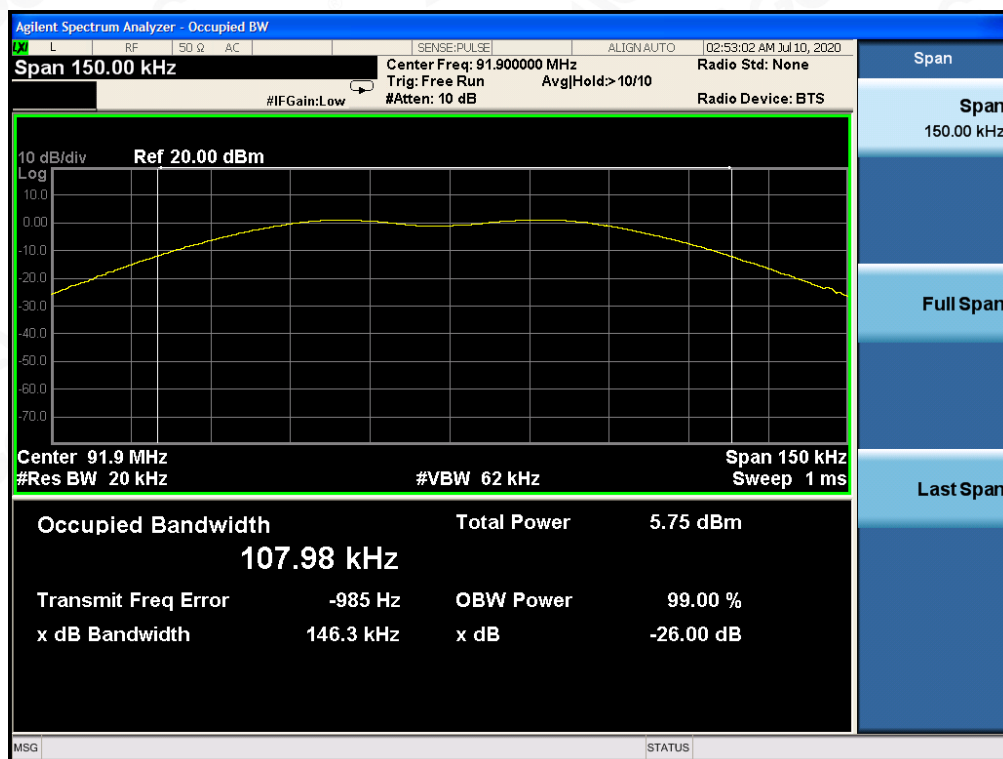
Input 15KHz signal Low channel



Input 15KHz signal Middle channel



Input 15KHz signal High channel



10. FREQUENCY STABILITY

10.1. TEST LIMIT

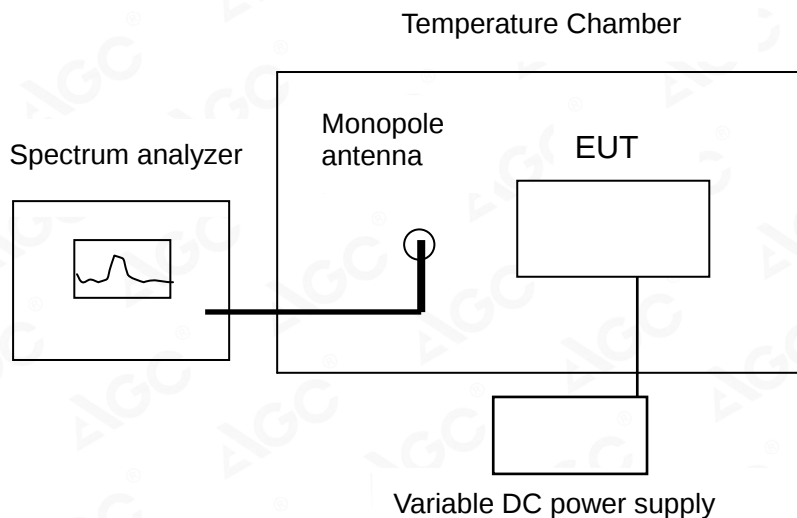
The frequency tolerance of the carrier signal shall be maintained within $\pm 0.005\%$ of the operating frequency over a temperature variation of -30 degrees to $+50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

10.2. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the operation frequency.
3. Set SPA Centre Frequency = Operation Frequency, RBW= 1 KHz, VBW $\geq 3 \times$ RBW.
4. Set SPA Trace 1 Max hold, then View.
5. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
6. Extreme temperature rule is -30°C – 50°C .



10.3. TEST SET-UP



10.4. TEST RESULT

Test frequency: 87.9 MHz

Voltage vs. Frequency Stability (Test Temperature: 20°C)

Voltage(V)	Measurement Frequency (MHz)	Max. Deviation (Hz)	Limit(Hz)	Conclusion
12.0	87.899771	235	2000	PASS
10.8	87.899765			
13.8	87.899768			

Temperature vs. Frequency Stability (Test Voltage: 12.00V)

Temperature	Measurement Frequency (MHz)	Max. Deviation (Hz)	Limit(Hz)	Conclusion
- 30°C	87.899763	237	2000	PASS
- 20°C	87.899768			
-10°C	87.899772			
0°C	87.899776			
10°C	87.899775			
20°C	87.899775			
30°C	87.899771			
40°C	87.899765			
50°C	87.899768			

11. EMISSION MASK AND SPURIOUS EMISSIONS

11.1. TEST LIMIT

Frequency range	Limit
$F_c - 600\text{kHz} < f$	-13dBm
$F_c - 600\text{kHz} \leq f < F_c - 240\text{kHz}$	35dB below the level of the un-modulated carrier
$F_c - 240\text{kHz} \leq f < F_c - 120\text{kHz}$	25dB below the level of the un-modulated carrier
$F_c + 120\text{kHz} \leq f < F_c + 240\text{kHz}$	25dB below the level of the un-modulated carrier
$F_c + 240\text{kHz} < f < F_c + 600\text{kHz}$	35dB below the level of the un-modulated carrier
$F_c + 600\text{kHz} < f$	-13dBm

11.2. 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 emissions, 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. $\text{EIRP}[\text{dBm}] = \text{E}[\text{dB}(\mu\text{V})/\text{m}] - 95.2$

The following table is the setting of spectrum analyzer and receiver.

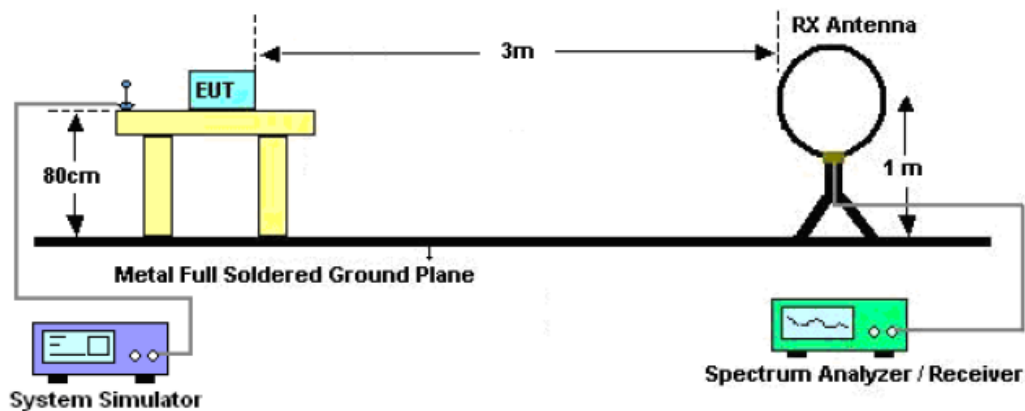
Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	1000MHz~6000MHz/RB 1MHz for QP

Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	1000MHz~6000MHz/RB 1MHz for QP

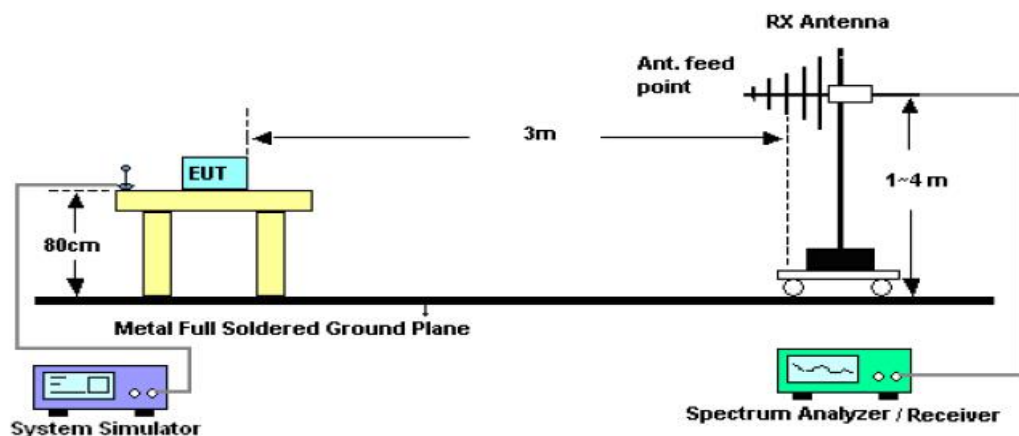


11.3. TEST SETUP

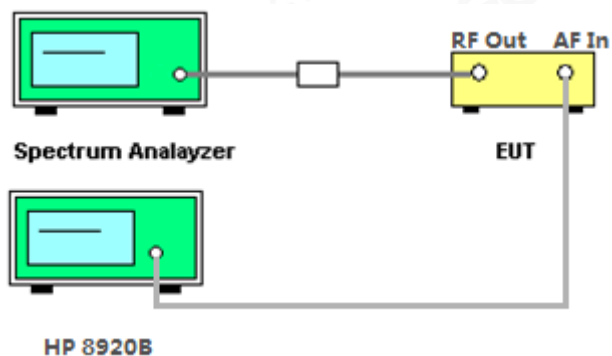
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz

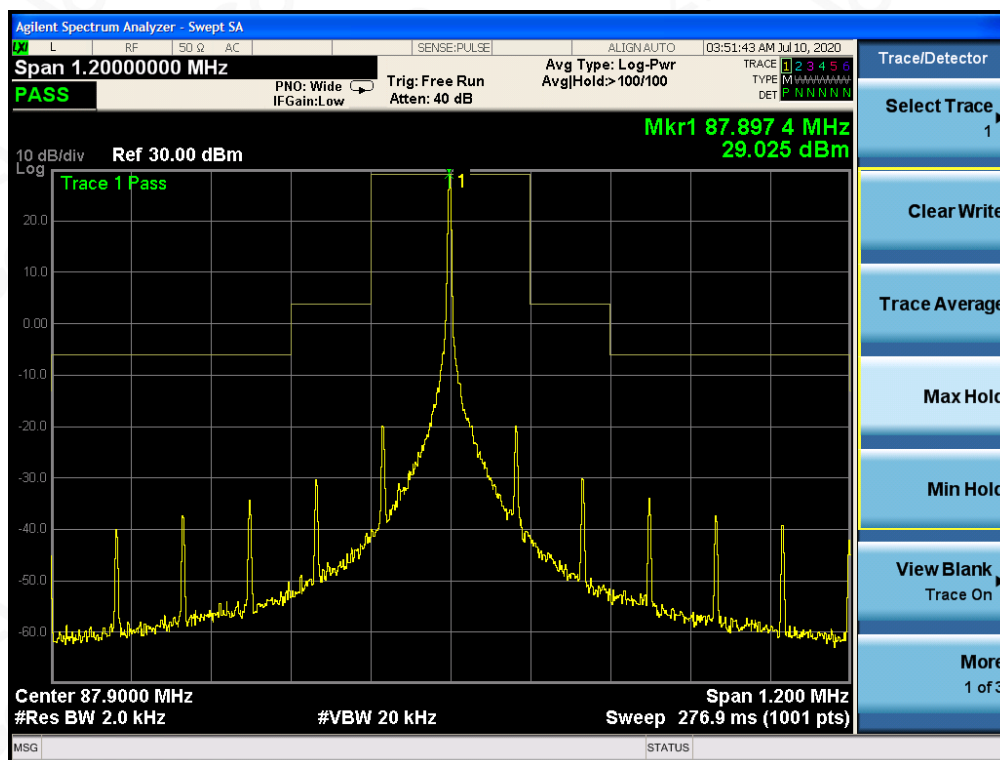


Conducted Test Method for Mask

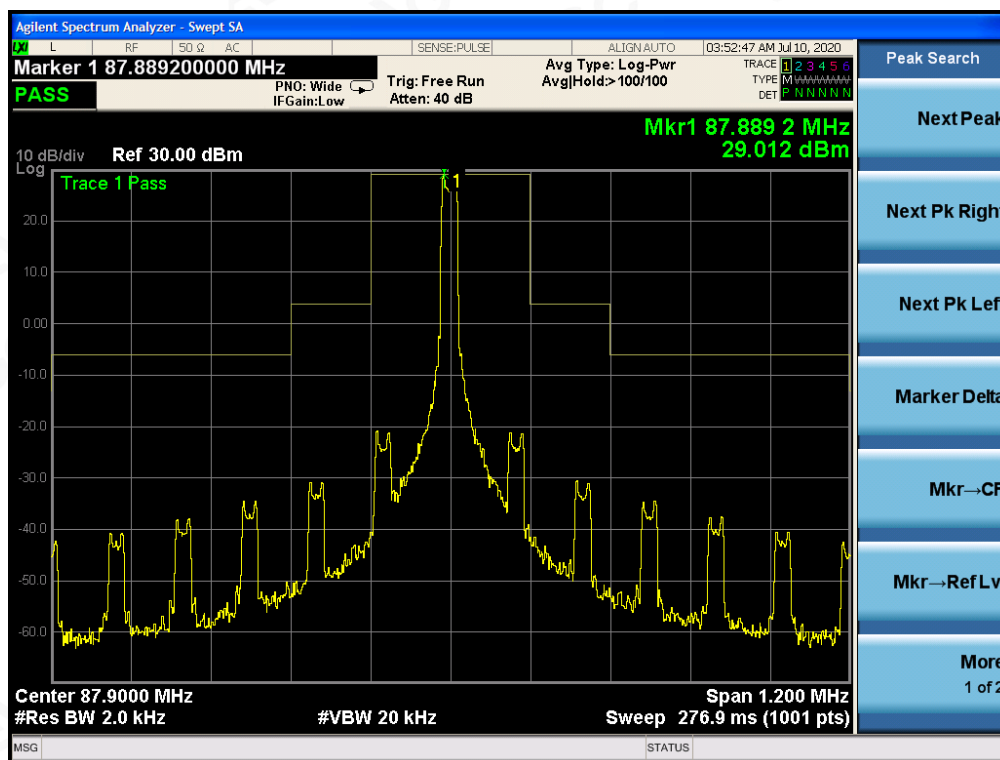


11.4. TEST RESULT

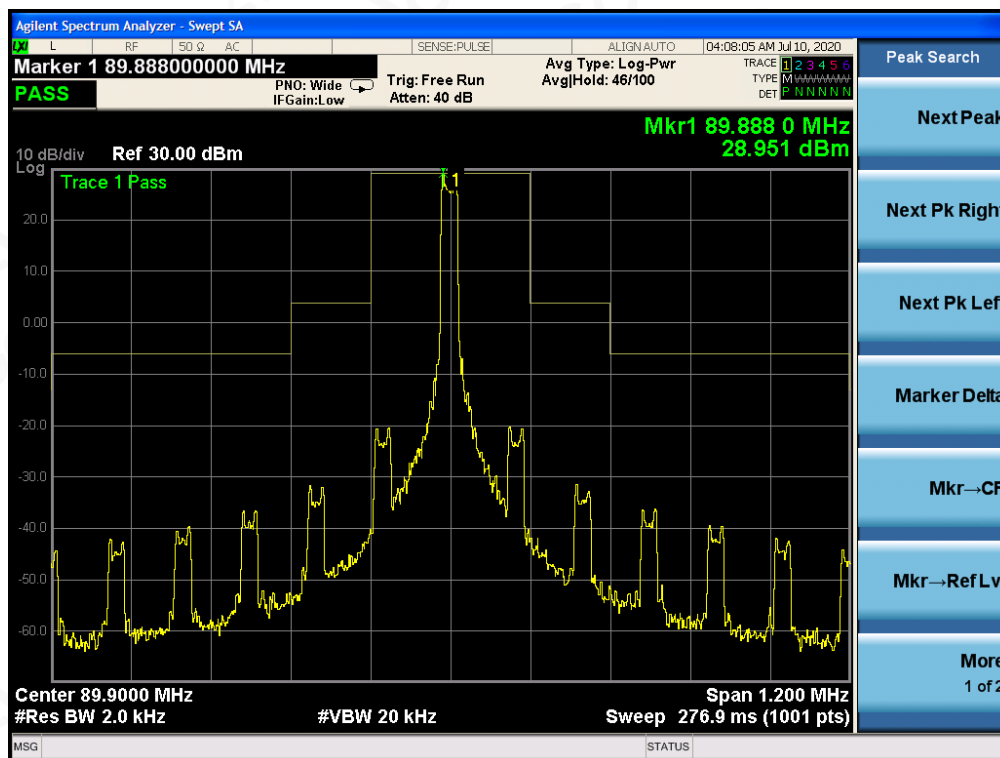
EMISSION MASK (Emissions within the band) Unmodulated Carrier



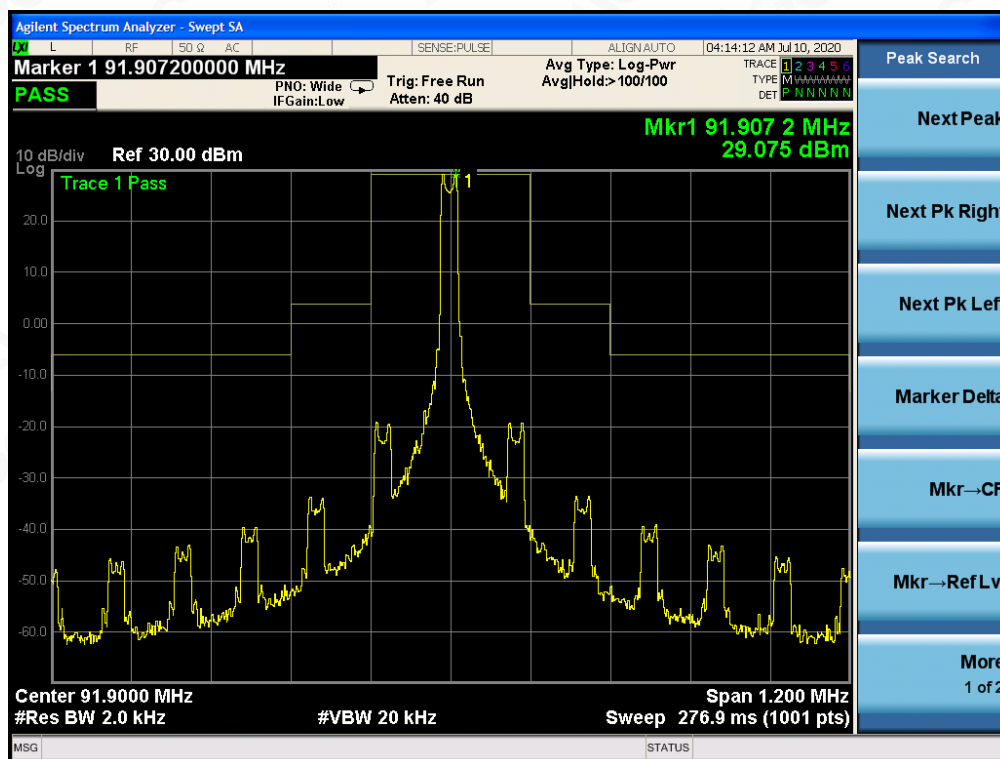
Input 400Hz signal Low channel



Input 400Hz signal Middle channel



Input 400Hz signal High channel



Agilent Spectrum Analyzer - Swept SA

Marker 1 87.89040000 MHz

PASS

PNO: Wide IFGain: Low

Trig: Free Run Atten: 40 dB

Avg Type: Log-Pwr Avg/Hold: 94/100

03:53:20 AM Jul 10, 2020

TRACE 1 2 3 4 5 6

TYPE M M M M M M M M

DET P N N N N N

Peak Search

Next Peak

Next Pk Right

Next Pk Left

Marker Delta

Mkr → CR

Mkr → Ref Lvl

More

1 of 2

10 dB/div Ref 30.00 dBm

Log

Trace 1 Pass

Mkr1 87.890 4 MHz 27.105 dBm

Center 87.9000 MHz Span 1.200 MHz

#Res BW 2.0 kHz #VBW 20 kHz Sweep 276.9 ms (1001 pts)

MSG STATUS

Agilent Spectrum Analyzer - Swept SA

Marker 1 89.90600000 MHz

PASS

PNO: Wide Trg: Free Run
IFGain: Low Atten: 40 dB

Avg Type: Log-Pwr
Avg/Hold: 55/100

TRACE 1 2 3 4 5 6
TYPE M M M M M M M M
DET P N N N N N

04:08:28 AM Jul 10, 2020

Peak Search

Next Peak

Next Pk Right

Next Pk Left

Marker Delta

Mkr→CR

Mkr→RefLv

More

1 of 2

10 dB/div
Log

Ref 30.00 dBm

Trace 1 Pass

Mkr1 89.906 0 MHz
27.006 dBm

Center 89.9000 MHz
#Res BW 2.0 kHz

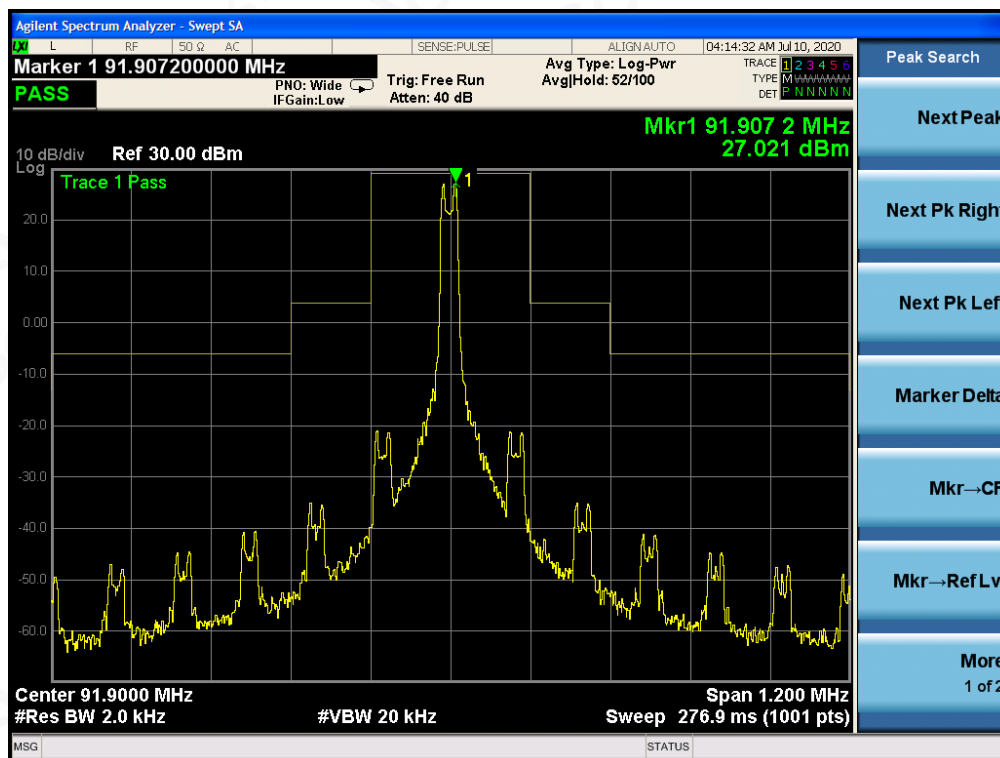
#VBW 20 kHz

Span 1.200 MHz
Sweep 276.9 ms (1001 pts)

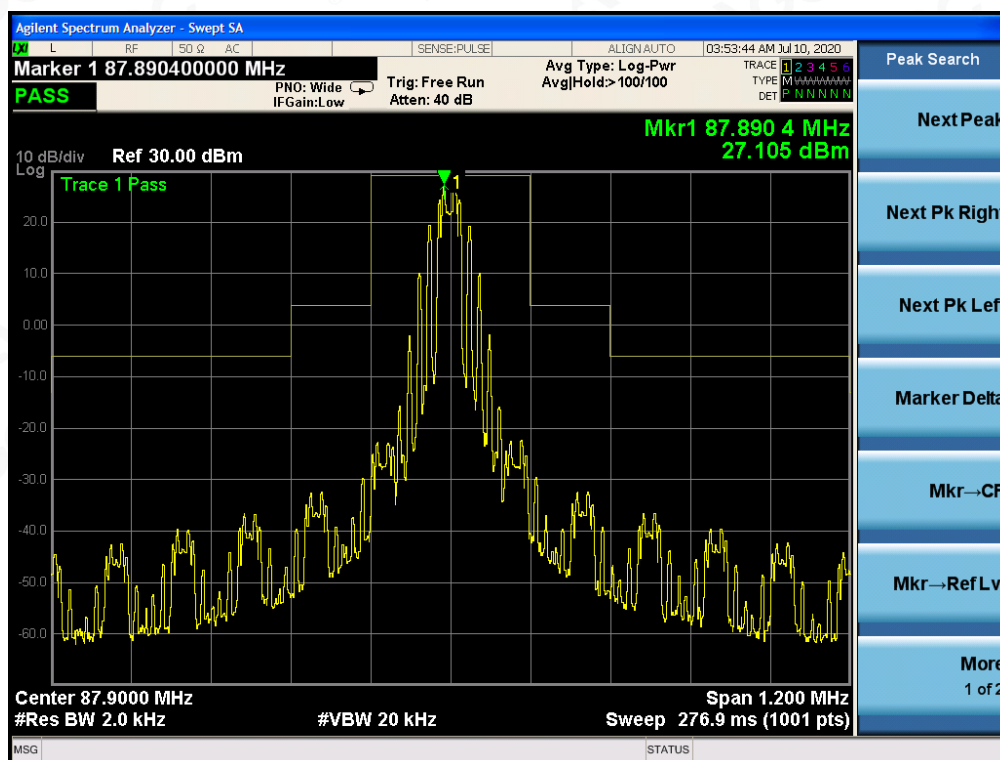
The image shows a screenshot of an Agilent Spectrum Analyzer. The main display area shows a spectrum plot with a yellow trace. A prominent peak is visible at 89.906 MHz, marked with a green arrow and labeled 'Mkr1 89.906 0 MHz' and '27.006 dBm'. The plot has a grid background. The y-axis is labeled '10 dB/div' and 'Log'. The x-axis is labeled 'Center 89.9000 MHz' and 'Span 1.200 MHz'. The sweep time is 'Sweep 276.9 ms (1001 pts)'. The resolution bandwidth is '#Res BW 2.0 kHz' and the video bandwidth is '#VBW 20 kHz'. The reference level is 'Ref 30.00 dBm'. The trace is labeled 'Trace 1 Pass'. The status bar at the bottom shows 'MSG' and 'STATUS'. On the right side, there is a vertical list of buttons: 'Peak Search', 'Next Peak', 'Next Pk Right', 'Next Pk Left', 'Marker Delta', 'Mkr→CR', 'Mkr→RefLv', and 'More'. The top of the screen shows the date and time '04:08:28 AM Jul 10, 2020' and the title 'Agilent Spectrum Analyzer - Swept SA'. The top left shows 'Marker 1 89.90600000 MHz' and 'PASS'. The top right shows 'Avg Type: Log-Pwr' and 'Avg/Hold: 55/100'. The top center shows 'PNO: Wide' and 'Trg: Free Run' and 'IFGain: Low' and 'Atten: 40 dB'. The top right also shows 'TRACE 1 2 3 4 5 6' and 'TYPE M M M M M M M M' and 'DET P N N N N N'.



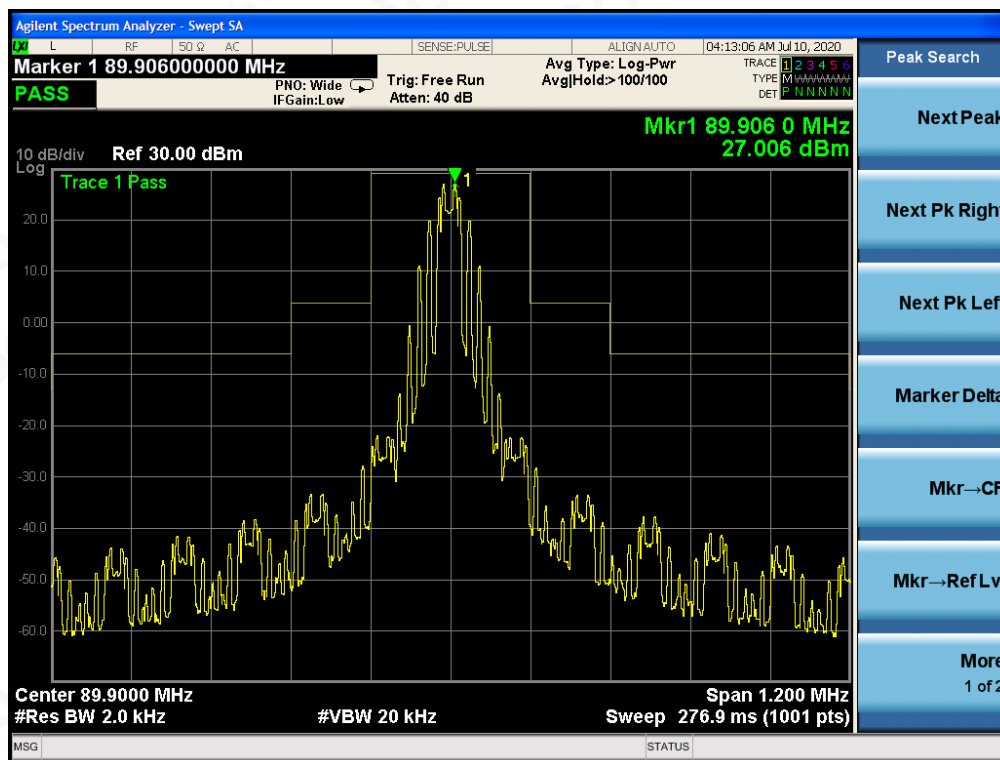
Input 1KHz signal High channel



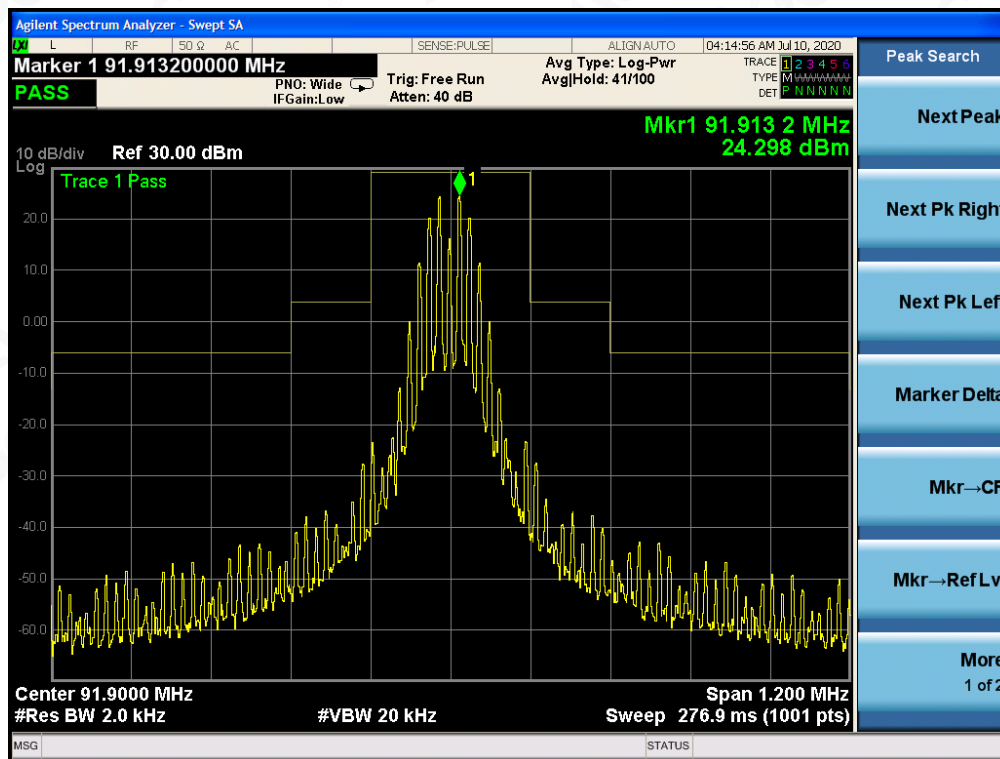
Input 15KHz signal Low channel



Input 15KHz signal Middle channel



Input 15KHz signal High channel

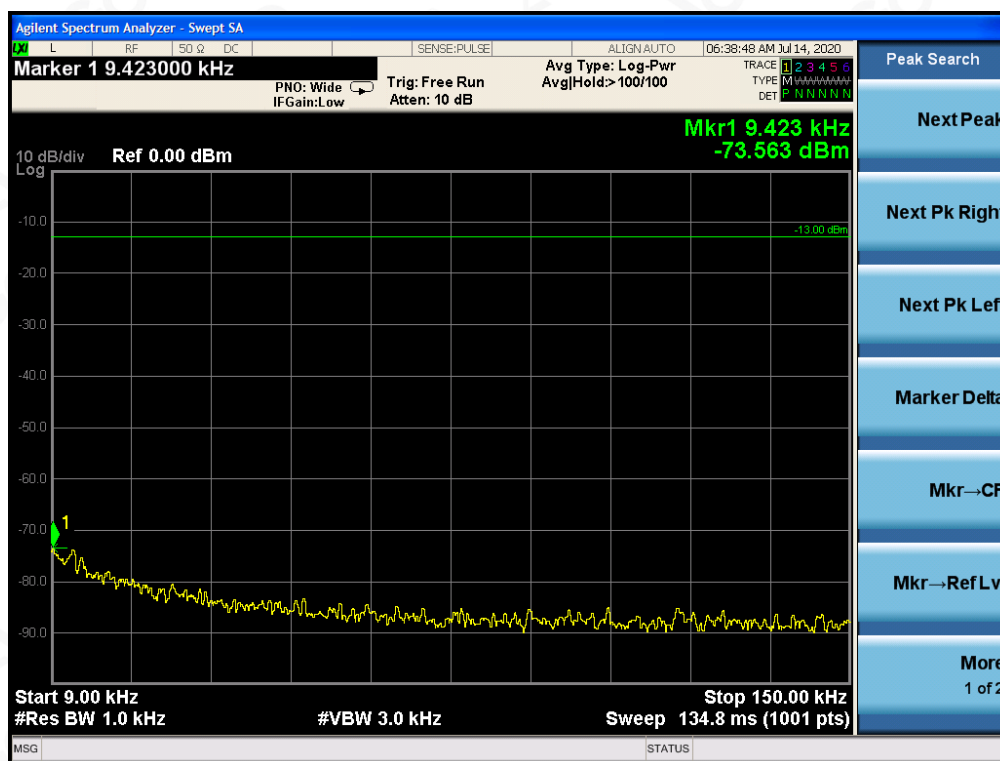


Note: The carrier power is the ref level, and The factor had been edited in the "Input Correction" of the Spectrum Analyzer.

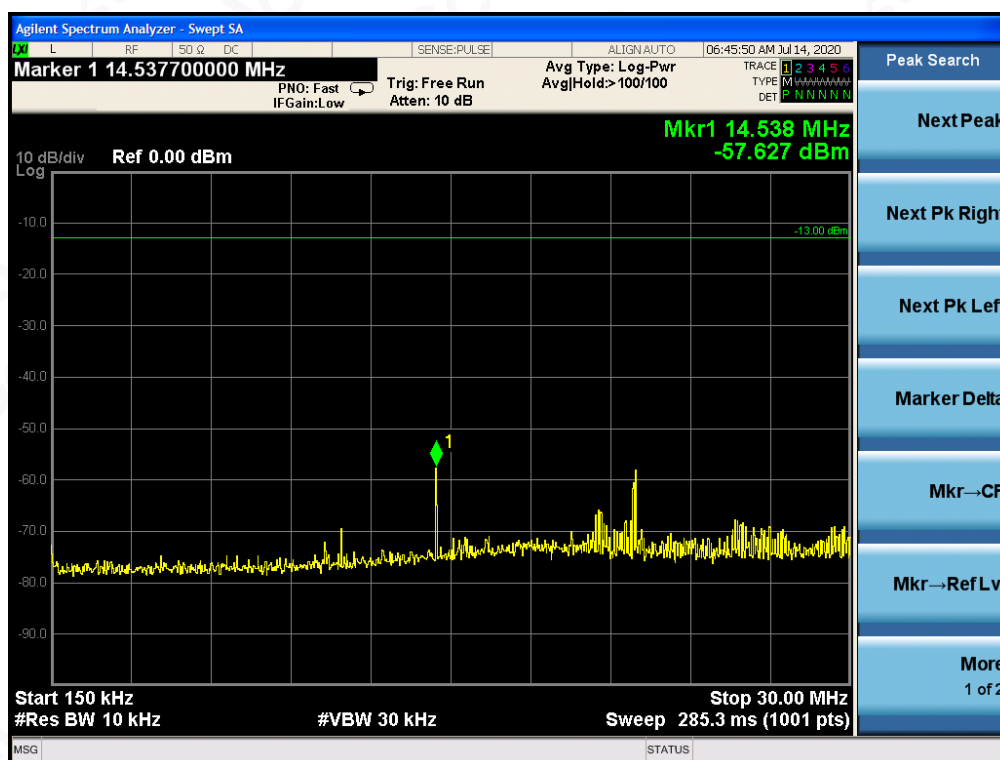


Spurs Low channel

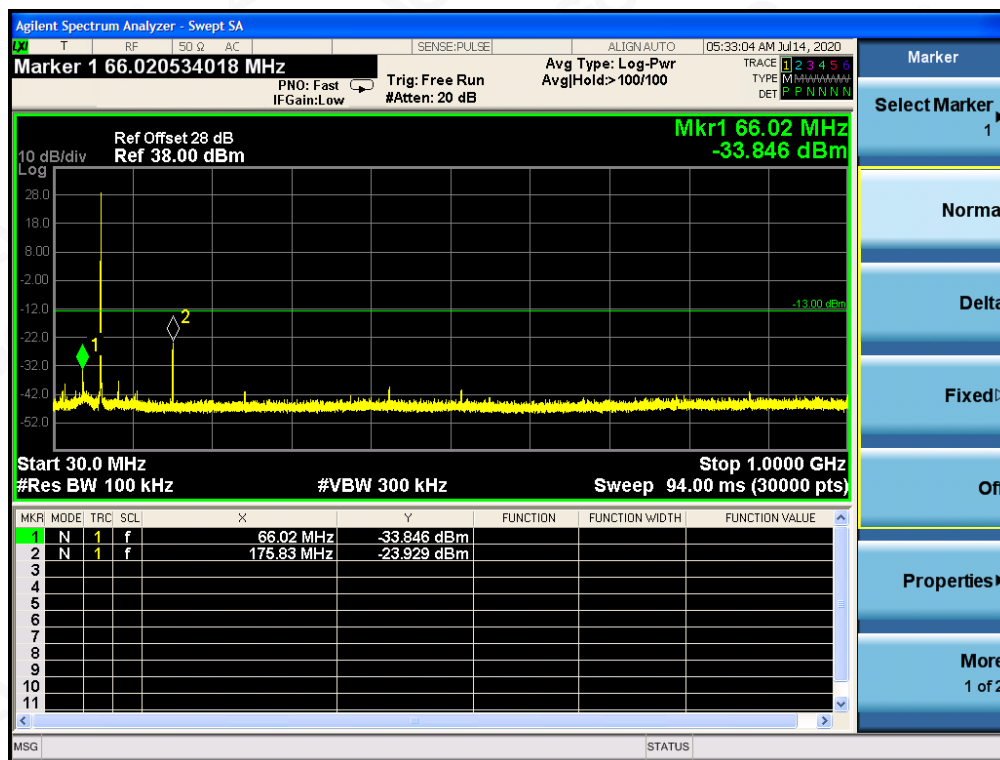
9KHz-150KHz



150KHz-30MHz

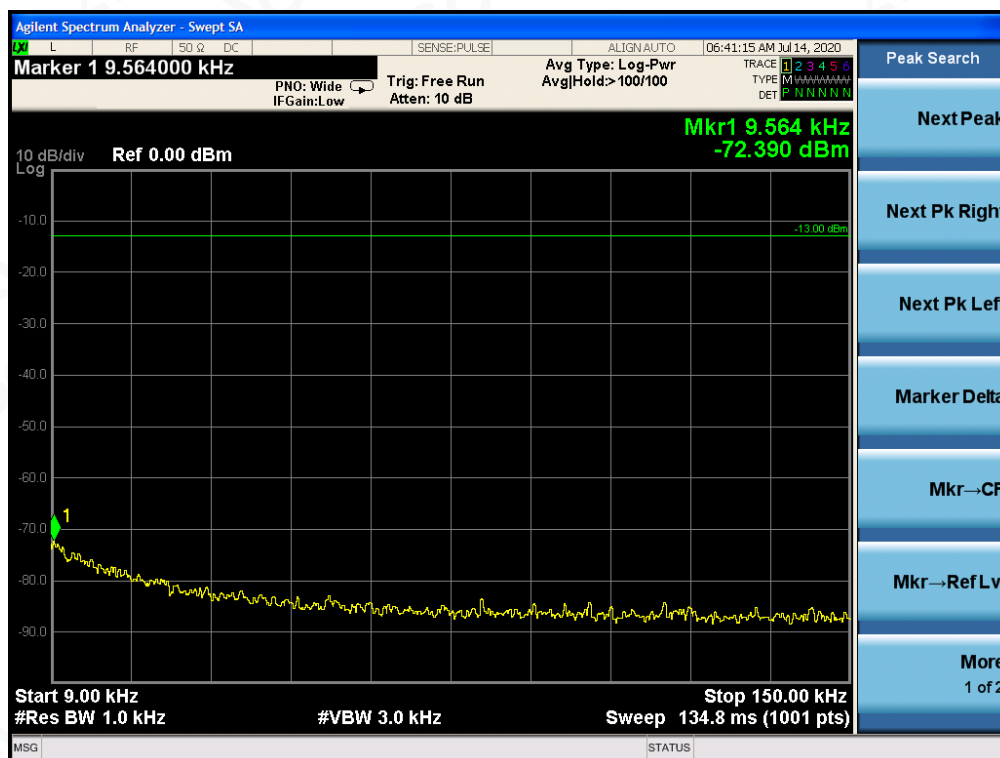


30MHz-1GHz

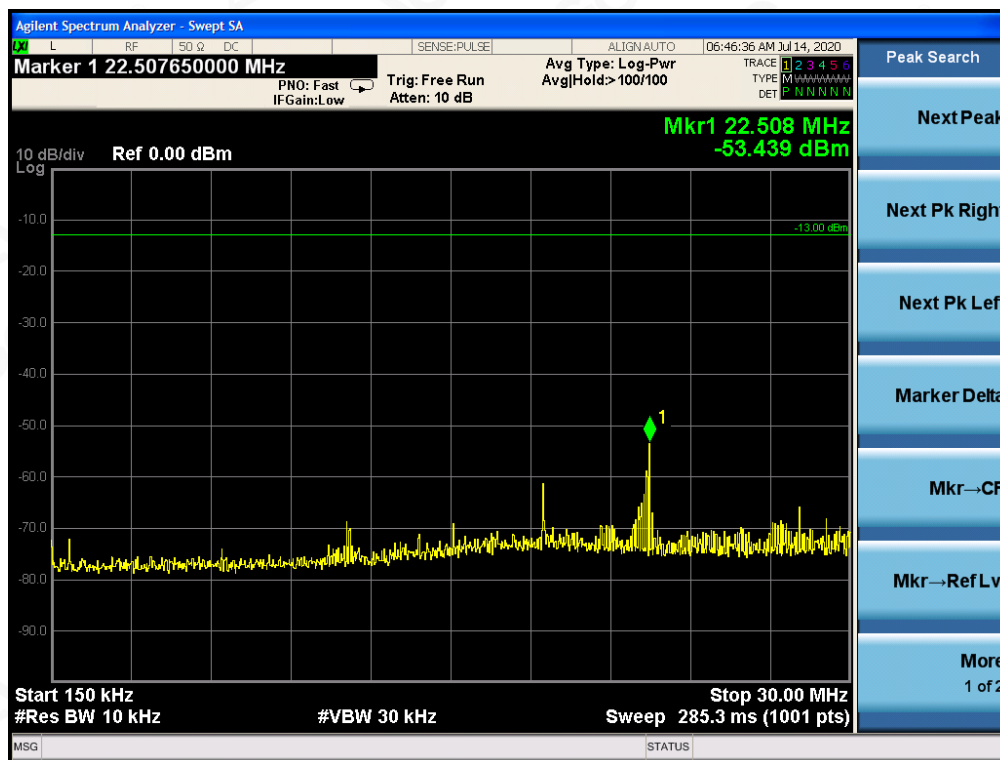


Spurs Middle channel

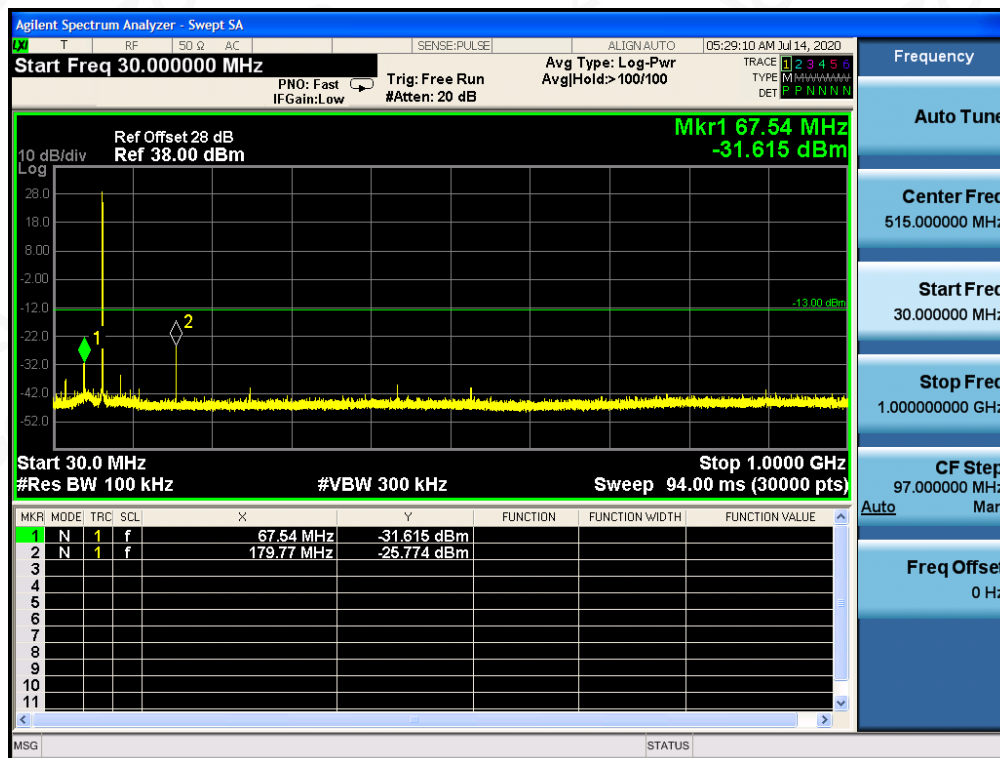
9KHz-150KHz



150KHz-30MHz

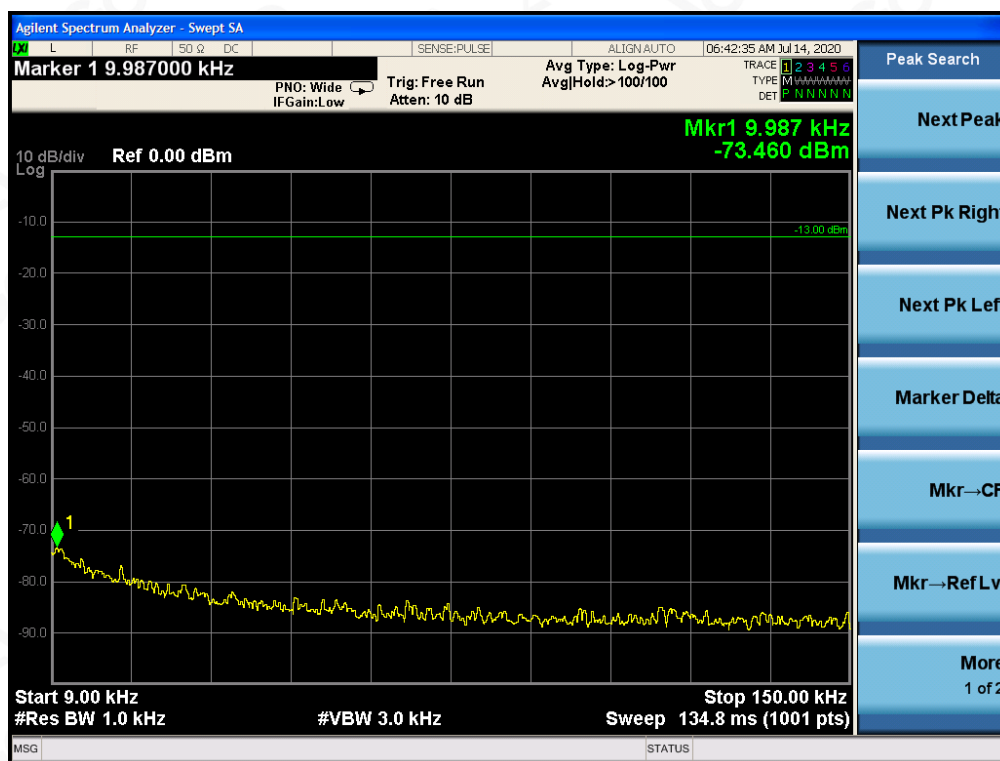


30MHz-1GHz

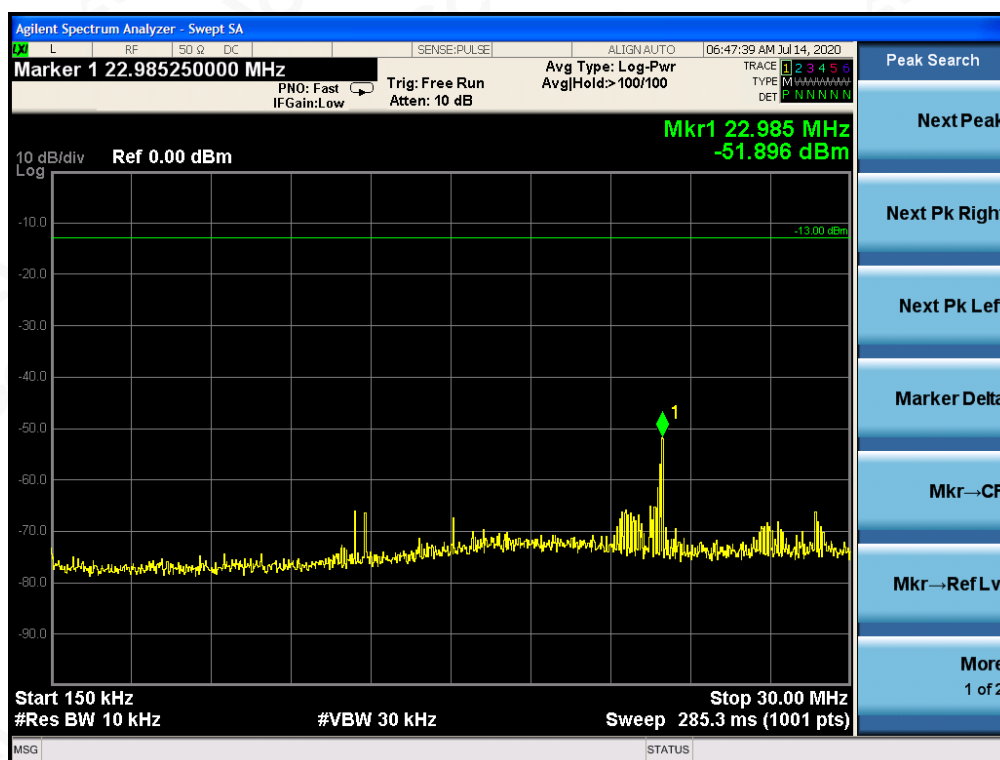


Spurs High channel

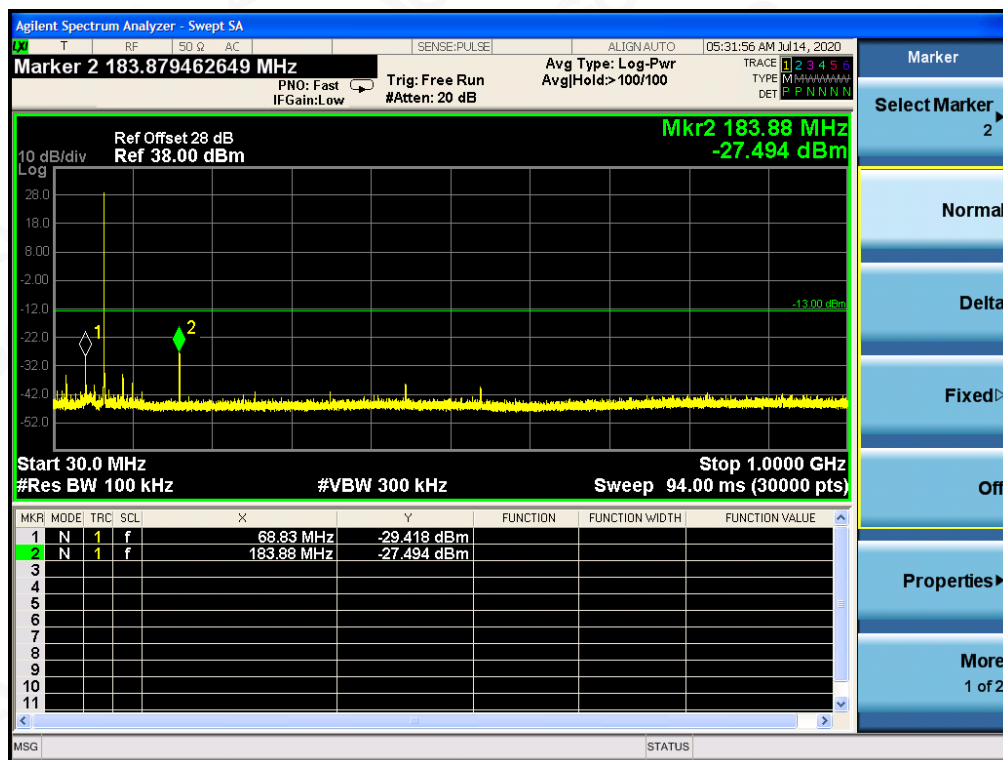
9KHz-150KHz



150KHz-30MHz



30MHz-1GHz



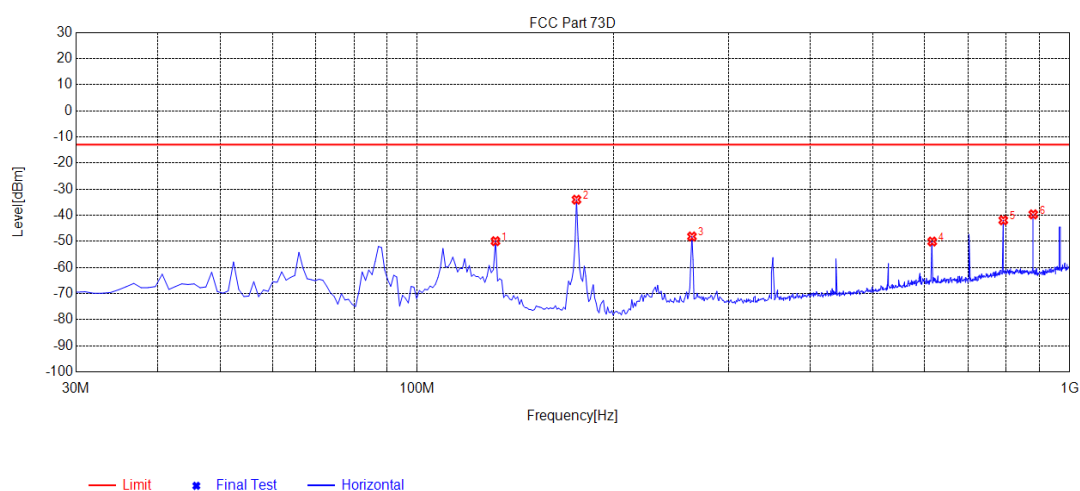
Note: The peak emissions without marker on the above plots are fundamental wave and need not to compare with the limit.

RADIATED EMISSION BELOW 30MHZ

Note: No other emissions found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION 30MHz- 1GHZ

EUT:	FM transmitter	Model Name.:	CZE-05B
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1010 hPa	Test Voltage:	Normal
Test Mode:	Mode 1	Polarization:	Horizontal

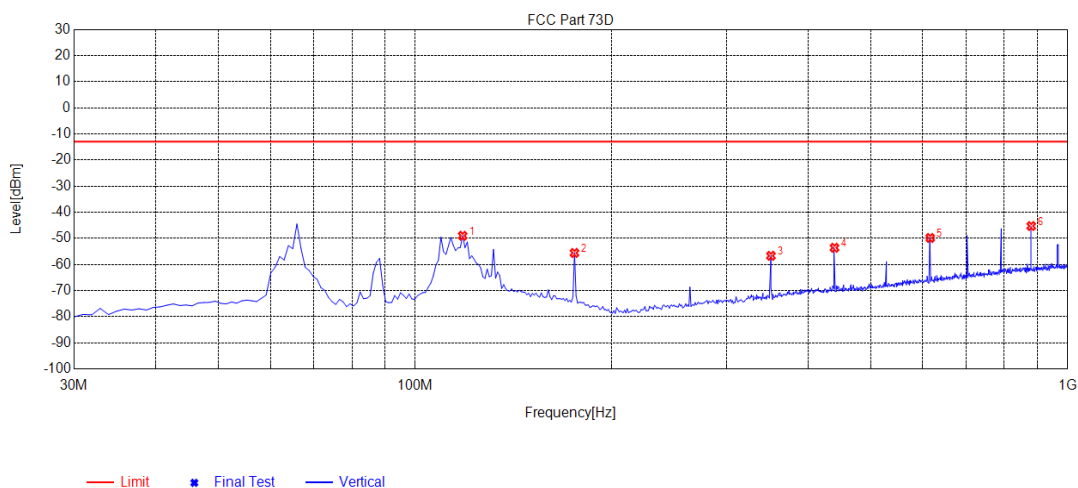


NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	131.8500	-74.76	-49.95	-13.00	36.95	Horizontal
2	175.5000	-60.54	-34.05	-13.00	21.05	Horizontal
3	263.7700	-77.78	-48.16	-13.00	35.16	Horizontal
4	615.8800	-86.98	-50.09	-13.00	37.09	Horizontal
5	791.4500	-82.09	-41.95	-13.00	28.95	Horizontal
6	879.7200	-79.72	-39.68	-13.00	26.68	Horizontal

RESULT: PASS



EUT:	FM transmitter	Model Name.:	CZE-05B
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1010 hPa	Test Voltage:	Normal
Test Mode:	Mode 1	Polarization:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	118.2700	-78.73	-49.02	-13.00	36.02	Vertical
2	175.5000	-83.70	-55.60	-13.00	42.60	Vertical
3	351.0700	-86.69	-56.69	-13.00	43.69	Vertical
4	439.3400	-86.16	-53.62	-13.00	40.62	Vertical
5	615.8800	-85.85	-49.86	-13.00	36.86	Vertical
6	879.7200	-85.41	-45.29	-13.00	32.29	Vertical

RESULT: PASS

Note: 1. Factor = Antenna Factor + Cable loss, Margin = Result - Limit.

The "Factor" value can be calculated automatically by software of measurement system.

2. All test modes had been pre-tested. Only the worst case mode 1 was recorded in the report.



APPENDIX A: PHOTOGRAPHS OF TEST SETUP

RADIATED EMISSION TEST SETUP

