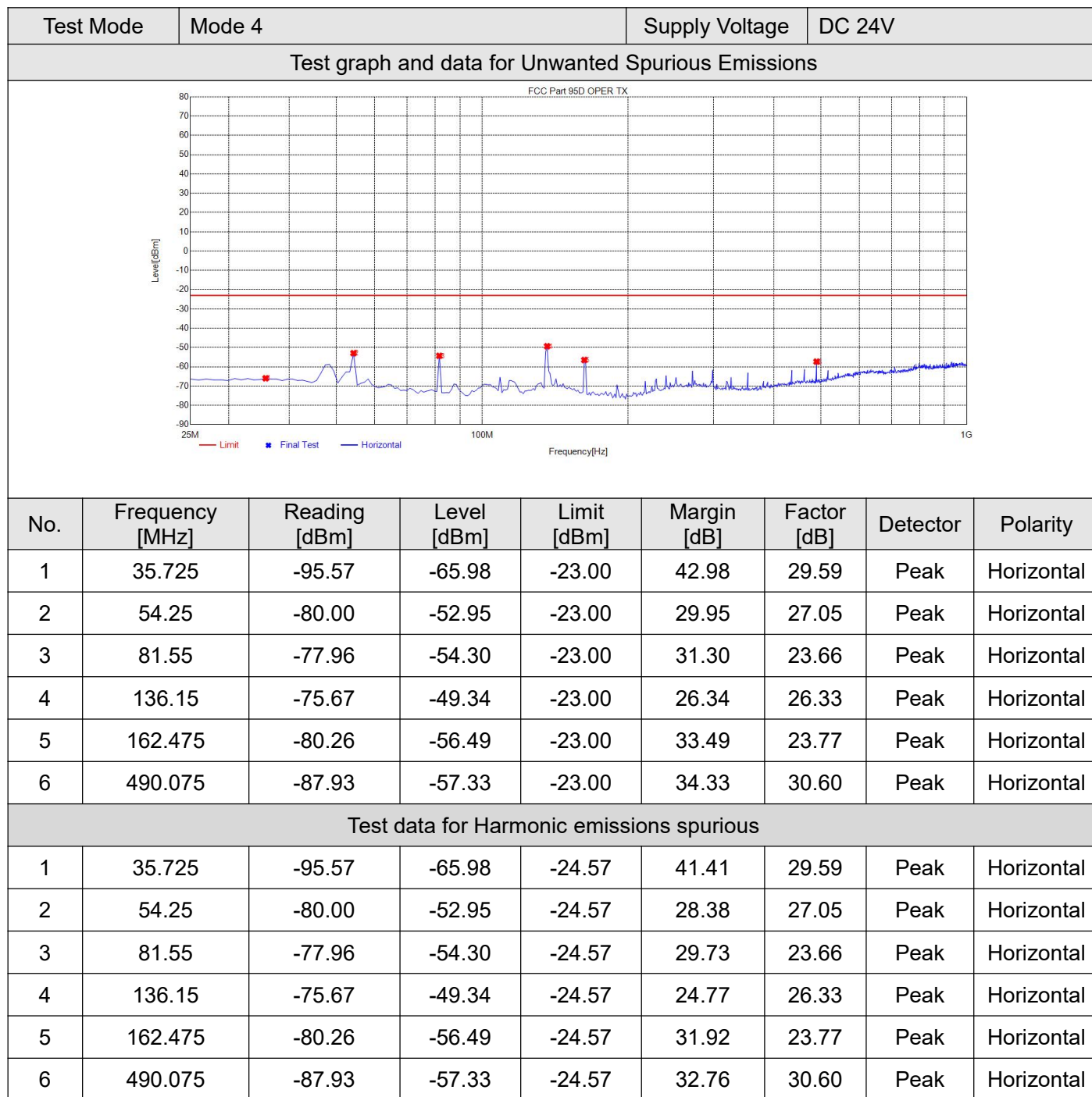


Test Mode	Mode 1	Supply Voltage	DC 24V
Test graph and data for Unwanted Spurious Emissions			
FCC Part 95D OPER TX			

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection 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. The test results 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 issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

Test Mode	Mode 1	Supply Voltage	DC 24V
Test graph and data for Unwanted Spurious Emissions			
FCC Part 95D OPER TX			

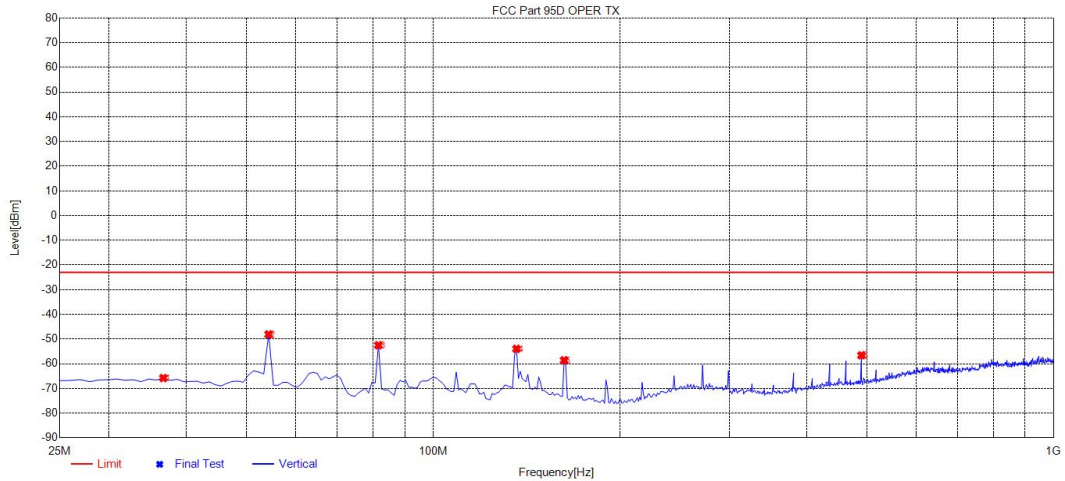
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Test Mode	Mode 4	Supply Voltage	DC 24V
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Test graph and data for Unwanted Spurious Emissions

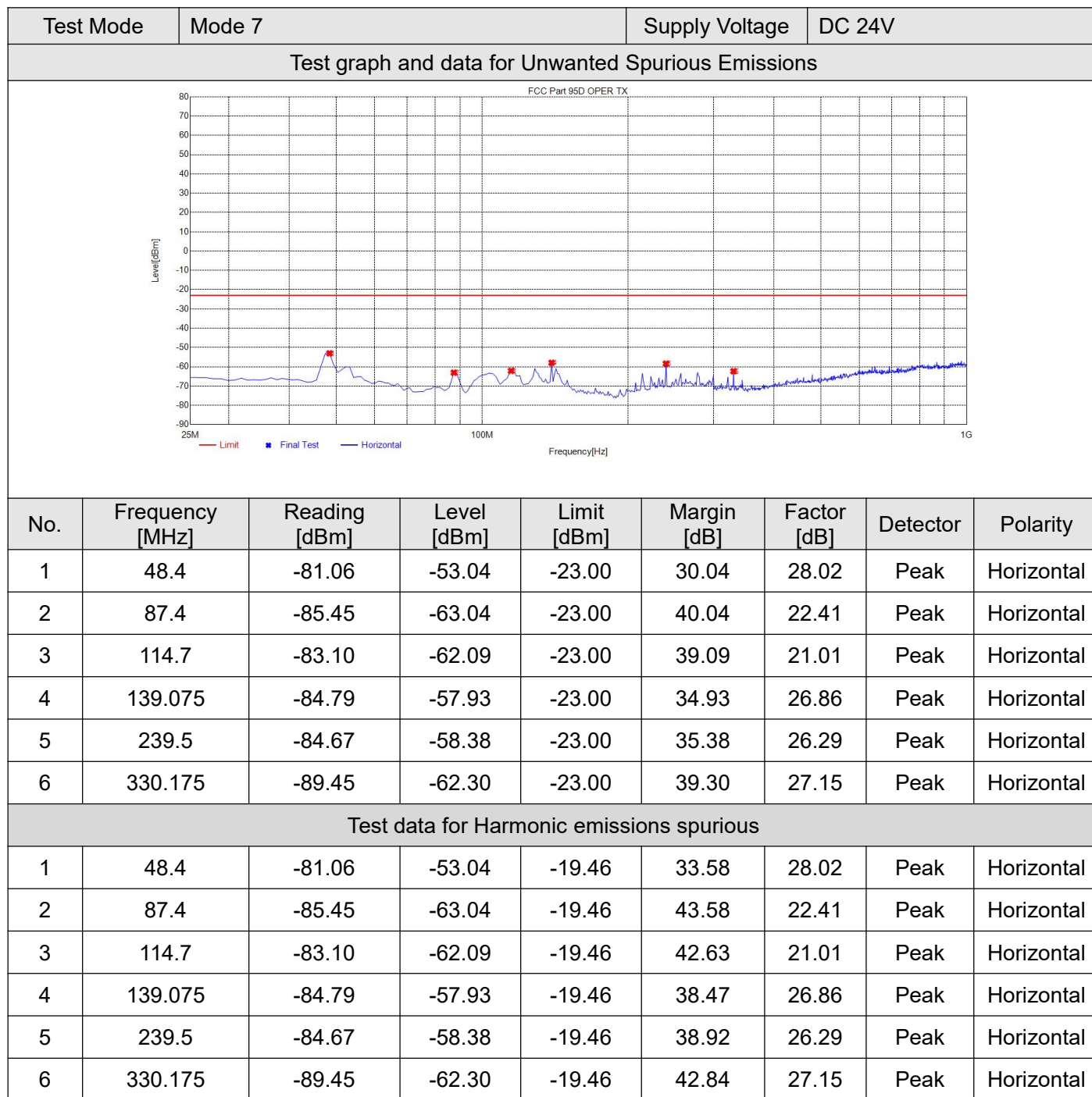


No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	36.7	-95.40	-65.77	-23.00	42.77	29.63	Peak	Vertical
2	54.25	-75.15	-48.10	-23.00	25.10	27.05	Peak	Vertical
3	81.55	-76.16	-52.50	-23.00	29.50	23.66	Peak	Vertical
4	136.15	-80.28	-53.95	-23.00	30.95	26.33	Peak	Vertical
5	162.475	-82.35	-58.58	-23.00	35.58	23.77	Peak	Vertical
6	490.075	-87.16	-56.56	-23.00	33.56	30.60	Peak	Vertical

Test data for Harmonic emissions spurious

1	36.7	-95.40	-65.77	-24.57	41.20	29.63	Peak	Vertical
2	54.25	-75.15	-48.10	-24.57	23.53	27.05	Peak	Vertical
3	81.55	-76.16	-52.50	-24.57	27.93	23.66	Peak	Vertical
4	136.15	-80.28	-53.95	-24.57	29.38	26.33	Peak	Vertical
5	162.475	-82.35	-58.58	-24.57	34.01	23.77	Peak	Vertical
6	490.075	-87.16	-56.56	-24.57	31.99	30.60	Peak	Vertical

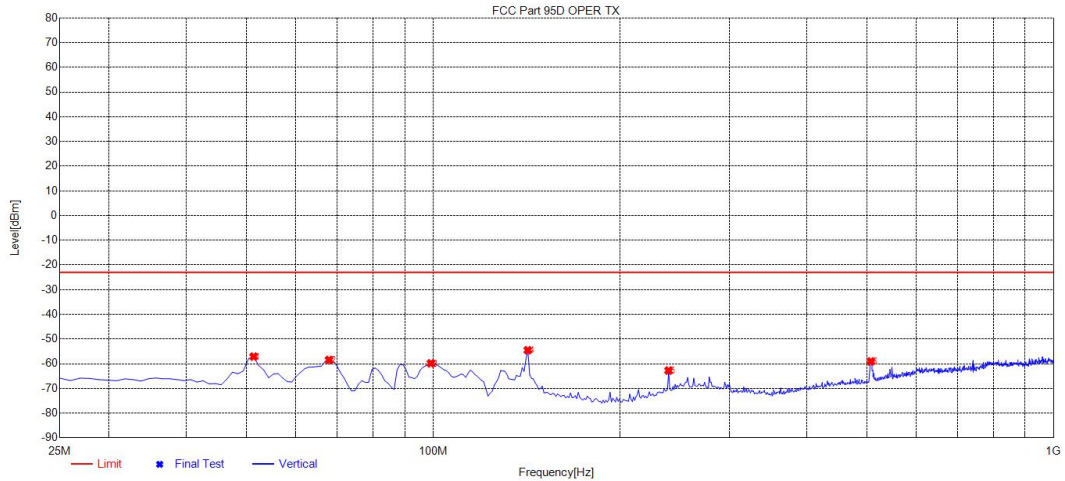
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Test Mode	Mode 7	Supply Voltage	DC 24V
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Test graph and data for Unwanted Spurious Emissions

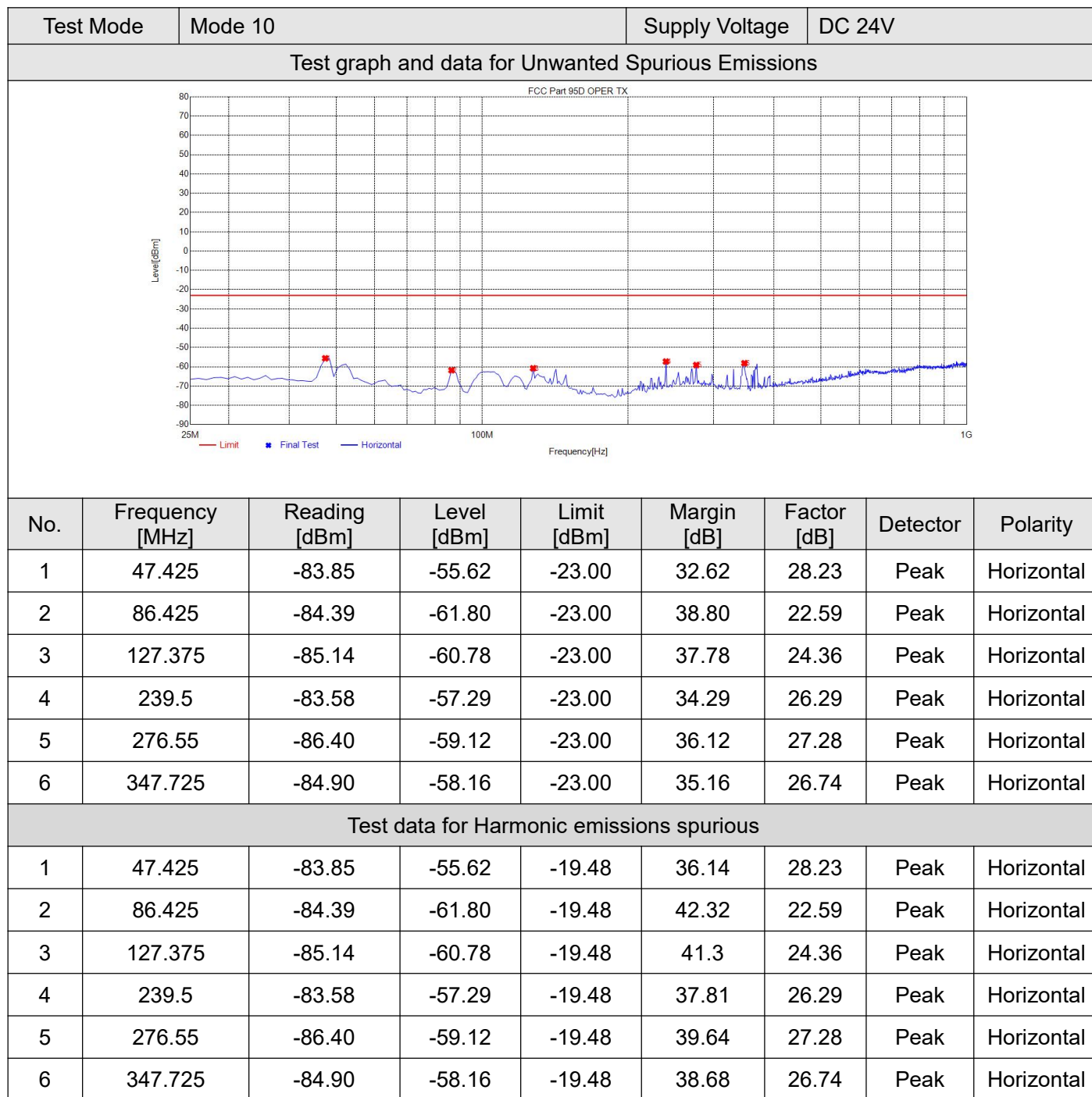


No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	51.325	-84.61	-57.11	-23.00	34.11	27.50	Peak	Vertical
2	67.9	-83.06	-58.45	-23.00	35.45	24.61	Peak	Vertical
3	99.1	-79.83	-59.83	-23.00	36.83	20.00	Peak	Vertical
4	142	-81.29	-54.52	-23.00	31.52	26.77	Peak	Vertical
5	239.5	-89.03	-62.74	-23.00	39.74	26.29	Peak	Vertical
6	507.625	-89.89	-59.04	-23.00	36.04	30.85	Peak	Vertical

Test data for Harmonic emissions spurious

1	51.325	-84.61	-57.11	-19.46	37.65	27.50	Peak	Vertical
2	67.9	-83.06	-58.45	-19.46	38.99	24.61	Peak	Vertical
3	99.1	-79.83	-59.83	-19.46	40.37	20.00	Peak	Vertical
4	142	-81.29	-54.52	-19.46	35.06	26.77	Peak	Vertical
5	239.5	-89.03	-62.74	-19.46	43.28	26.29	Peak	Vertical
6	507.625	-89.89	-59.04	-19.46	39.58	30.85	Peak	Vertical

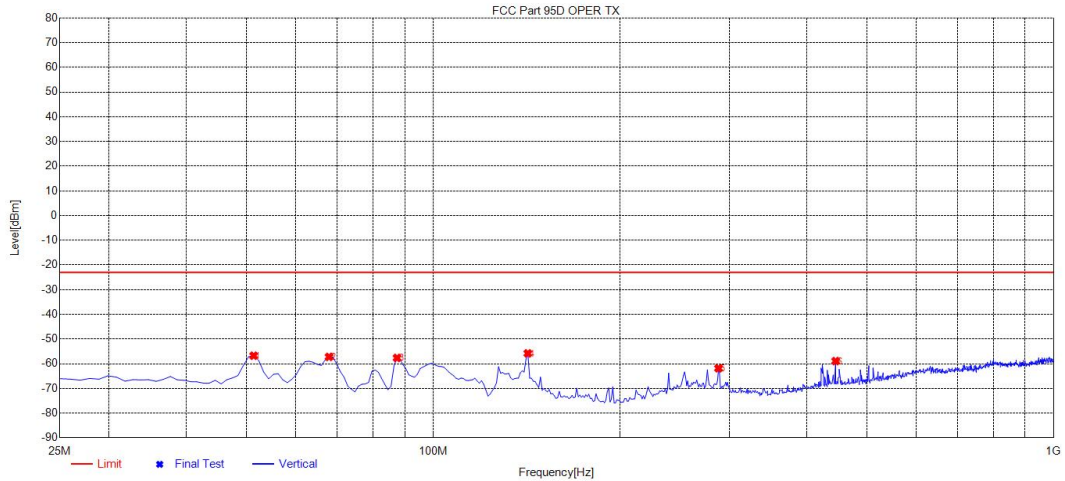
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Test Mode	Mode 10	Supply Voltage	DC 24V
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Test graph and data for Unwanted Spurious Emissions



No.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Detector	Polarity
1	51.325	-84.23	-56.73	-23.00	33.73	27.50	Peak	Vertical
2	67.9	-81.82	-57.21	-23.00	34.21	24.61	Peak	Vertical
3	87.4	-80.04	-57.63	-23.00	34.63	22.41	Peak	Vertical
4	142	-82.56	-55.79	-23.00	32.79	26.77	Peak	Vertical
5	288.25	-89.05	-61.81	-23.00	38.81	27.24	Peak	Vertical
6	445.225	-88.97	-58.91	-23.00	35.91	30.06	Peak	Vertical

Test data for Harmonic emissions spurious

1	51.325	-84.23	-56.73	-19.48	37.25	27.50	Peak	Vertical
2	67.9	-81.82	-57.21	-19.48	37.73	24.61	Peak	Vertical
3	87.4	-80.04	-57.63	-19.48	38.15	22.41	Peak	Vertical
4	142	-82.56	-55.79	-19.48	36.31	26.77	Peak	Vertical
5	288.25	-89.05	-61.81	-19.48	42.33	27.24	Peak	Vertical
6	445.225	-88.97	-58.91	-19.48	39.43	30.06	Peak	Vertical

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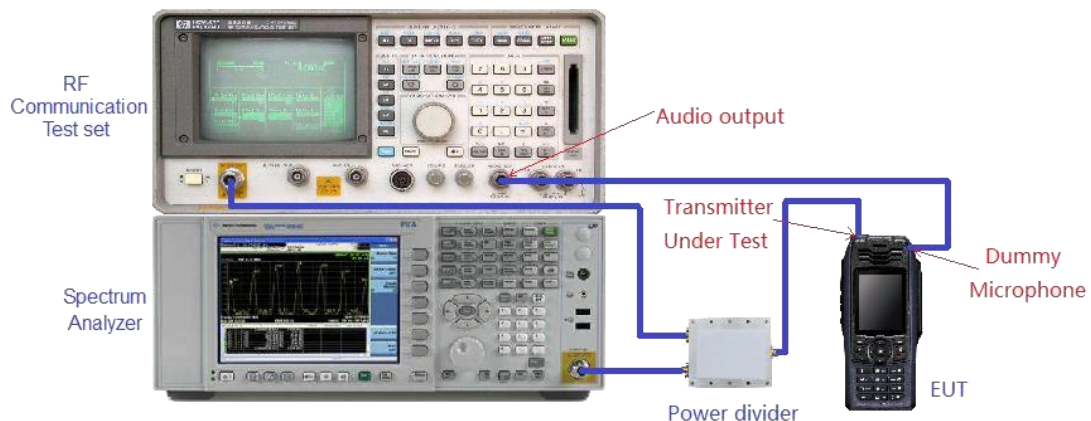
8.5 Emission Mask Measurement Part

The detailed procedure employed for Emission Mask measurements are specified as following:

-Connect the equipment as illustrated.

-Spectrum set as follow:

1. Centre frequency = fundamental frequency, Span=150kHz for 12.5kHz and 25kHz channel spacing, RBW=300Hz, VBW=1000Hz for 12.5kHz, RBW=300Hz, VBW=1000Hz for 25kHz, Sweep = auto, Detector function = peak, Trace = max hold
2. Key the transmitter, and set the level of the unmodulated carrier to a full scale reference line. This is the 0dB reference for the measurement.
3. Modulate the transmitter with a 2500 Hz sine wave at an input level 16 dB greater than that necessary to produce 50% of rated system deviation (Rated system deviation is 2.5 kHz for 12.5kHz channel spacing). The input level shall be established at the frequency of maximum response of the audio modulating circuit.
4. Transmitters employing digital modulation techniques that bypass the limiter and the audio low-pass filter shall be modulated as specified by the manufacturer.
5. Measure and record the results in the test report.

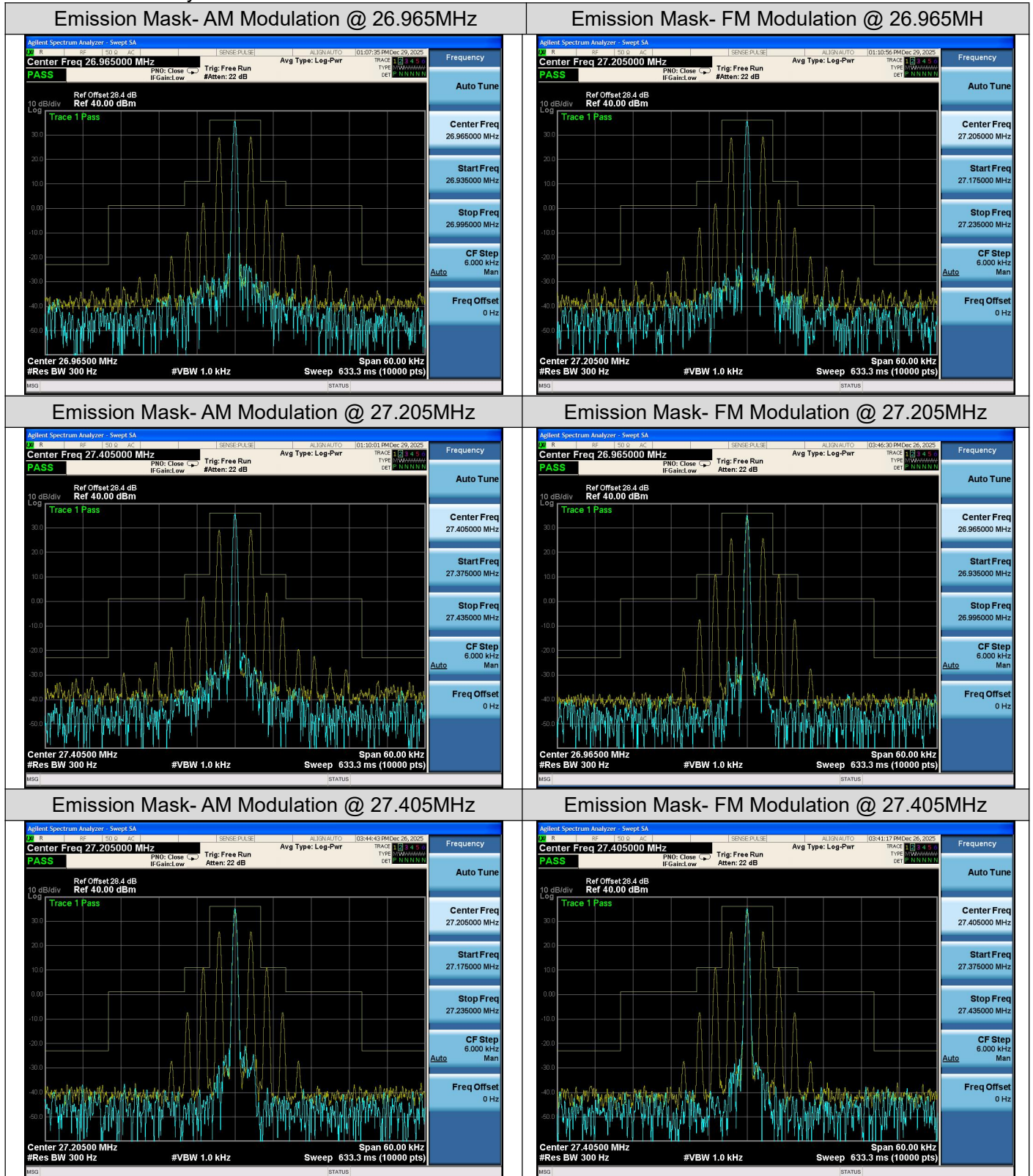


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Attestation of Global Compliance(Shenzhen)Co., Ltd
Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd
Tel: +86-755 2523 4088 E-mail: aac@aaccert.com Web: <http://www.aaccert.com/>

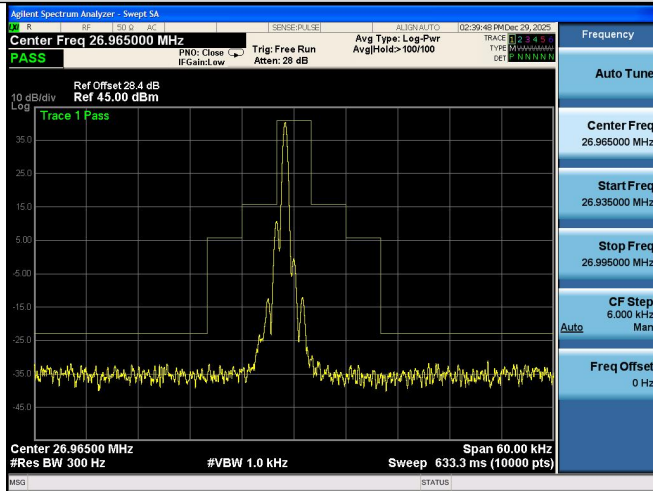
Test plot as follows:

- For DC 12V System:

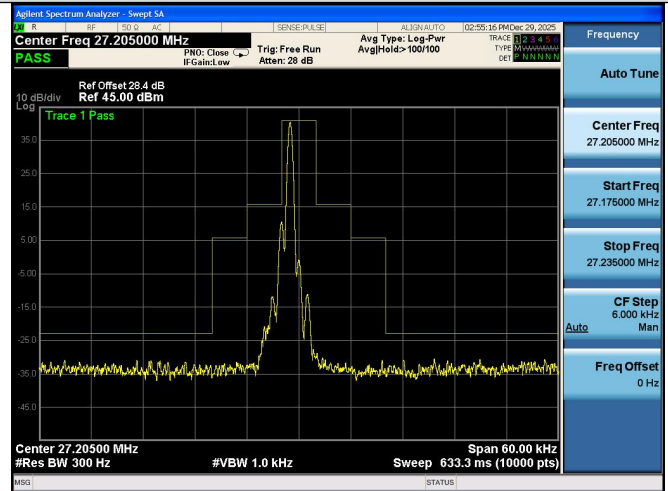


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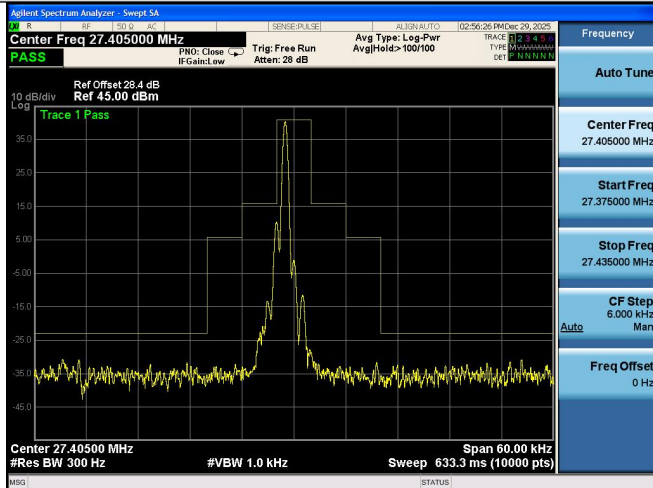
Emission Mask- LSB Modulation @ 26.965MHz



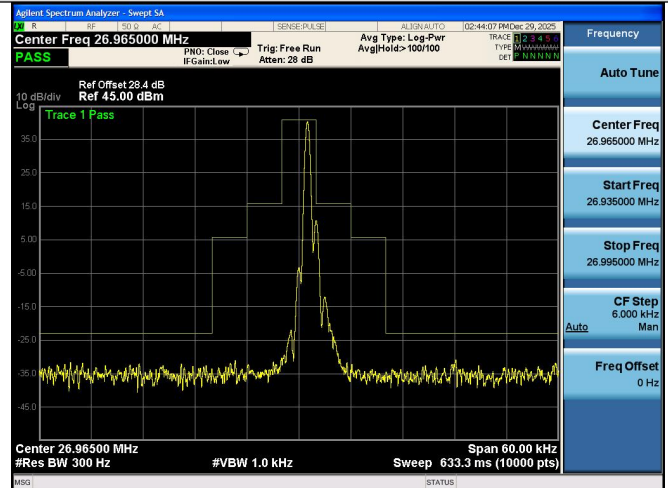
Emission Mask- LSB Modulation @ 26.965MH



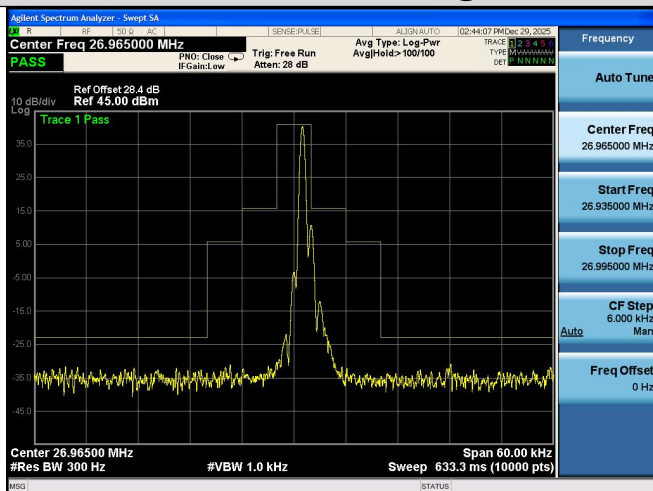
Emission Mask- LSB Modulation @ 27.205MHz



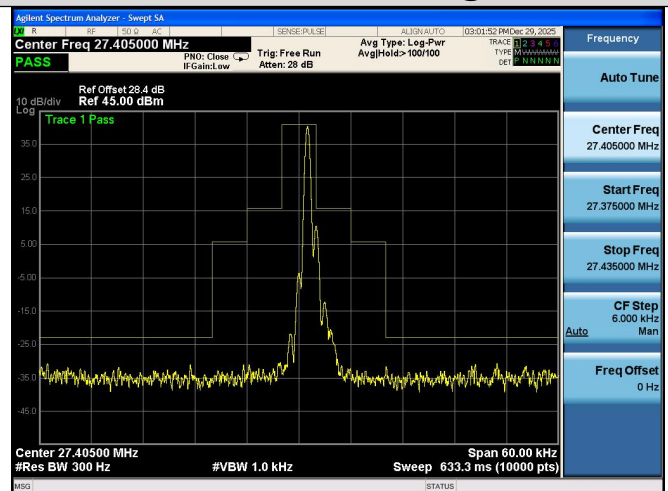
Emission Mask- USB Modulation @ 27.205MHz



Emission Mask- USB Modulation @ 27.405MHz



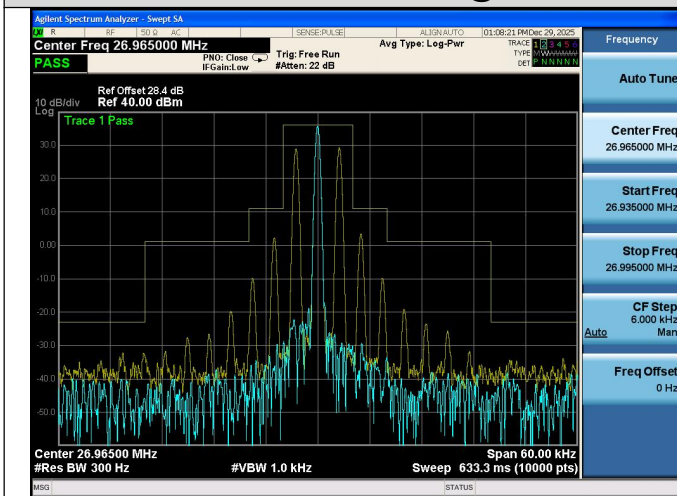
Emission Mask- USB Modulation @ 27.405MHz



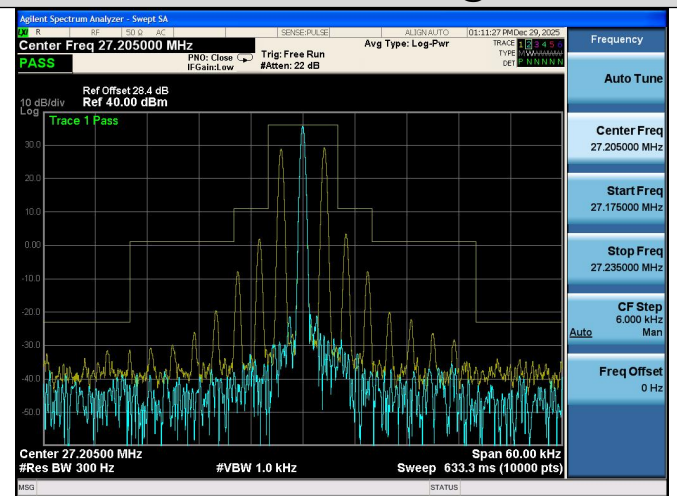
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- For DC 24V System:

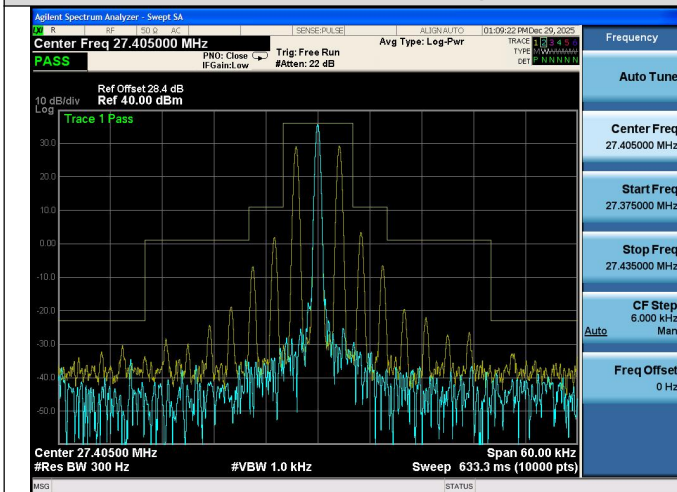
Emission Mask- AM Modulation @ 26.965MHz



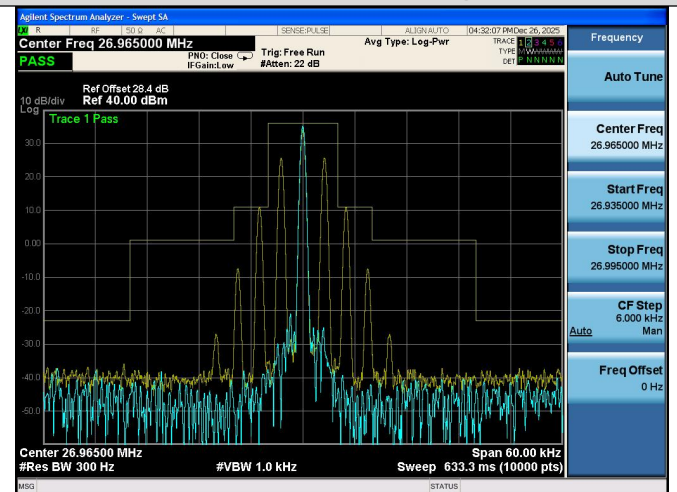
Emission Mask- FM Modulation @ 26.965MHz



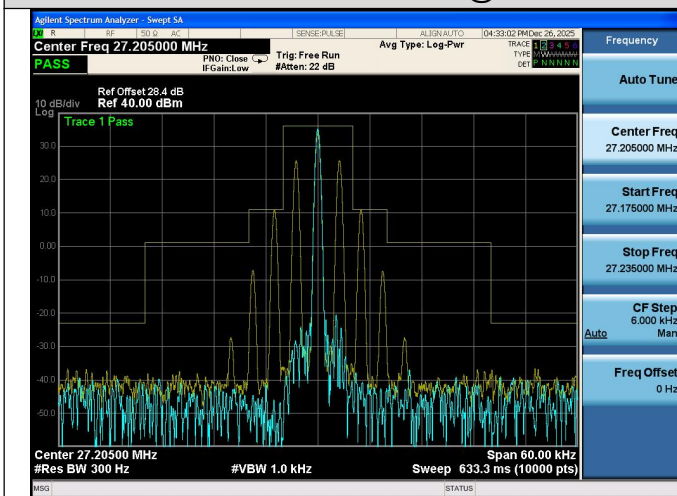
Emission Mask- AM Modulation @ 27.205MHz



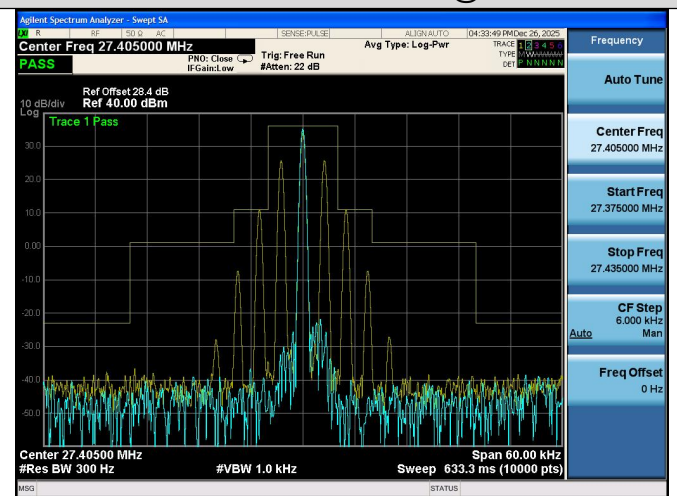
Emission Mask- FM Modulation @ 27.205MHz



Emission Mask- AM Modulation @ 27.405MHz

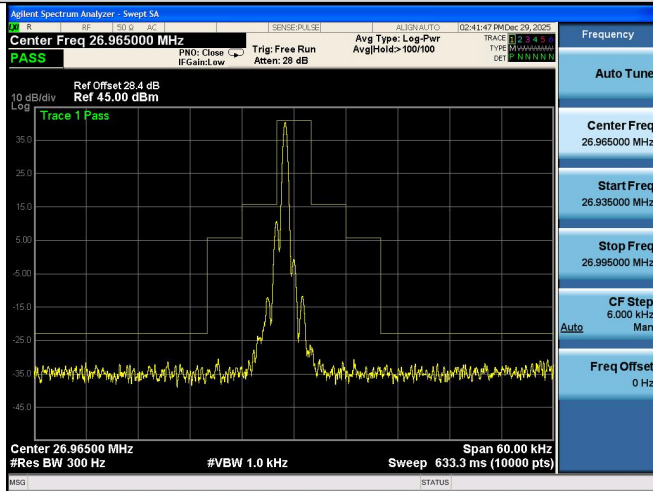


Emission Mask- FM Modulation @ 27.405MHz

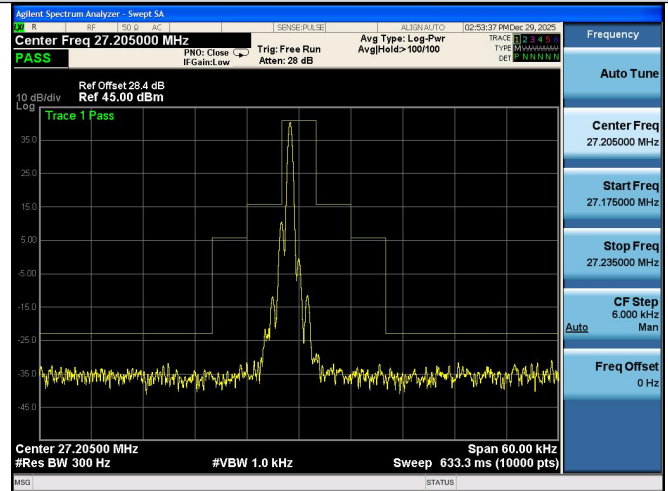


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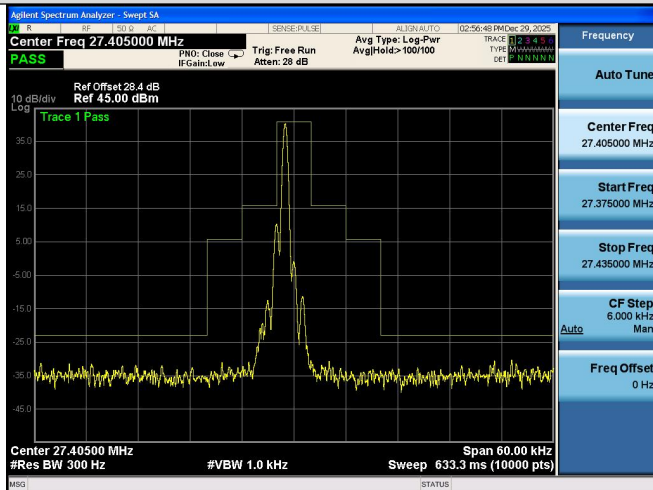
Emission Mask- LSB Modulation @ 26.965MHz



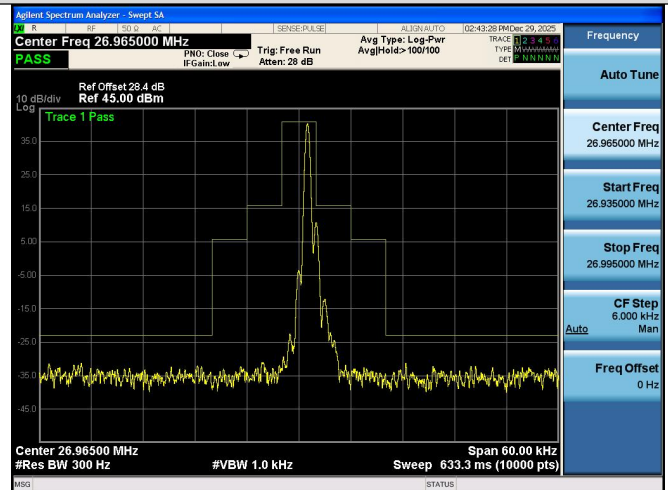
Emission Mask- LSB Modulation @ 26.965MH



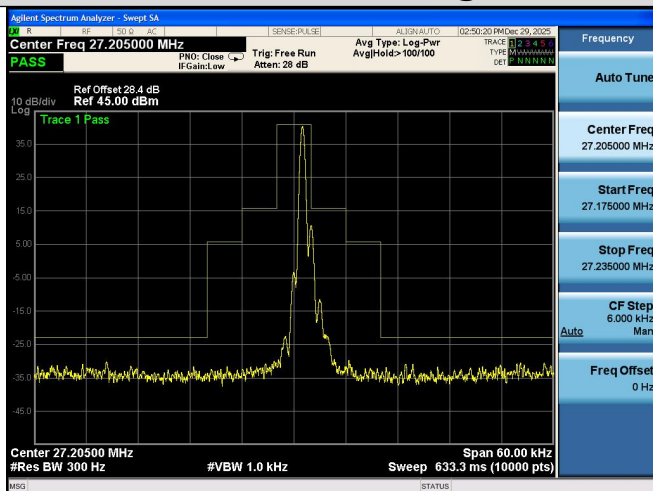
Emission Mask- LSB Modulation @ 27.205MHz



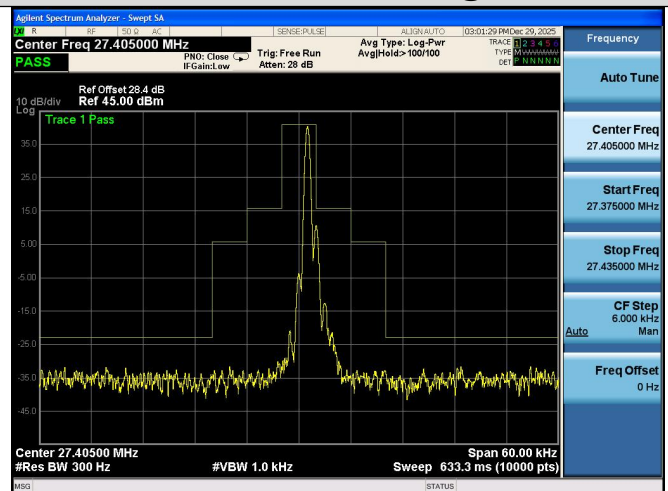
Emission Mask- USB Modulation @ 27.205MHz



Emission Mask- USB Modulation @ 27.405MHz



Emission Mask- USB Modulation @ 27.405MHz



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9. Maximum Transmitter Power

9.1 Provisions Applicable

According to FCC§2.1046(a) and §95.967 the following requirements are required:

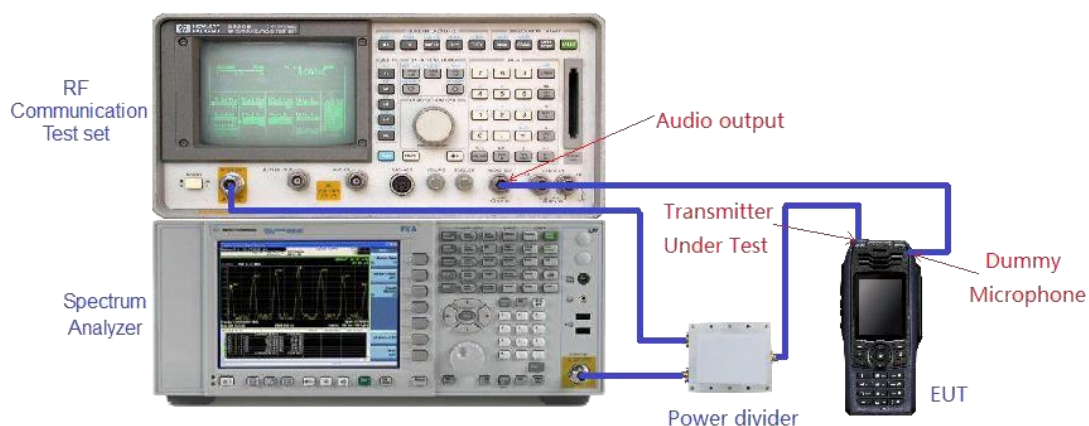
The maximum transmit power limits for each CBRS transmitter type are as follows:

- (a) When transmitting amplitude modulated (AM) voice signals or frequency modulated (FM) voice signals, the mean carrier power must not exceed 4 Watts
- (b) When transmitting single sideband (SSB) voice signals, the peak envelope power must not exceed 12 Watts.

9.2 Measurement Procedure

- Conducted RF Output Power:
 1. The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.
 2. The DUT was connected to a Spectrum Analyzer (SA) via a 30dB attenuator connected to the DUT's antenna port. The
 3. SA was configured as above using the Automatic 6dB Cursor Bandwidth measurement. The output power of the DUT was set to the manufacturer's highest output power setting at the Low, Mid and High frequency channels as permitted by the device.
 4. The DUT was set to transmit at its maximum Duty Cycle.
 5. Spectrum set as follow:
 6. Centre frequency = fundamental frequency, Span=150kHz , RBW=30kHz, VBW=30kHz ;
 7. Sweep = auto, Detector function = peak, Trace = max hold
 8. The final recorded maximum power is reported
- Calculation Formula: $CP = R + A + L$
 - CP: The final Conducted Power
 - R: The reading value from spectrum analyzer
 - A: The attenuation value of the used attenuator
 - L: The loss of all connection cables

9.3 Measurement Setup



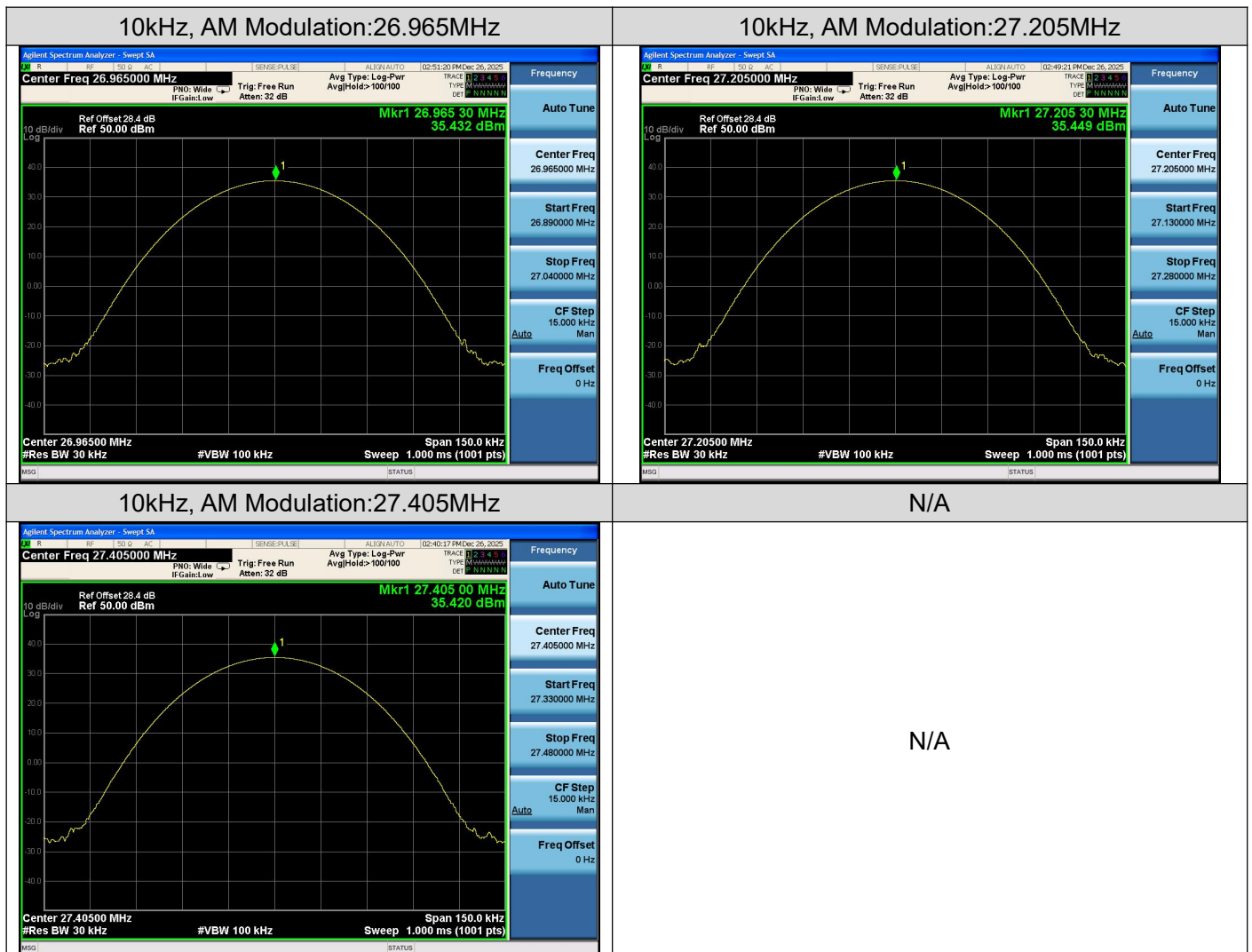
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9.4 Measurement Result

- For DC 12V System:

Conducted Power Measurement Results			
Test Mode	Channel Separation	Test Channel	Measurement Result 4W(36.02dBm)
CBRS TX_AM	10 kHz	26.965 MHz	35.43
		27.205 MHz	35.45
		27.405 MHz	35.42

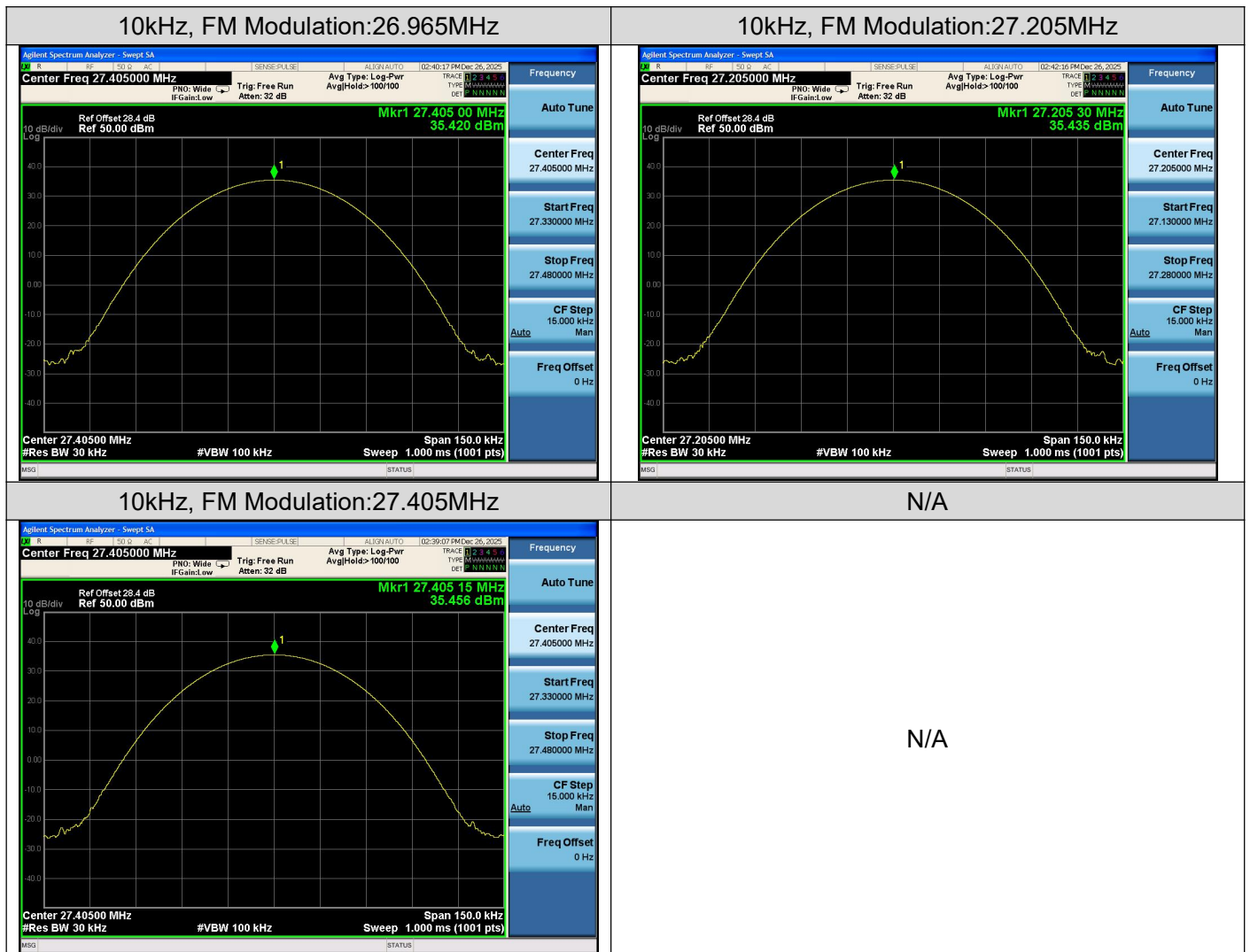
Test plot as follows:



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Conducted Power Measurement Results			
Test Mode	Channel Separation	Test Channel	Measurement Result 4W(36.02dBm)
CBRS TX_FM	10 kHz	26.965 MHz	35.46
		27.205 MHz	35.44
		27.405 MHz	35.46

Test plot as follows:



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