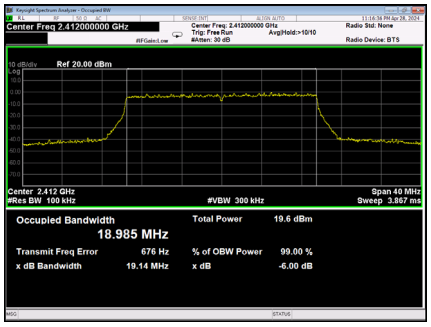
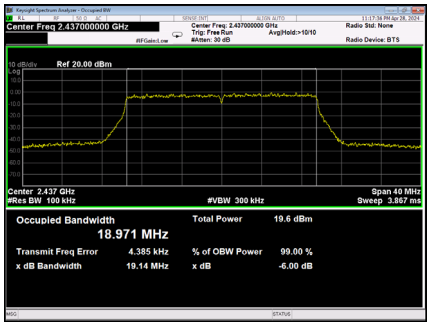
TX AX (HE20) Mode					
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Emission Bandwidth(MHz)	6dB Bandwidth Min. Limit(kHz)	Result
01	2412	18.985	18.988	500	PASS
06	2437	18.971	18.980	500	PASS
11	2462	18.985	18.990	500	PASS

6dB

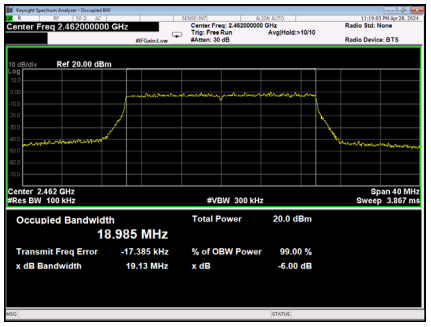
CH01



CH06

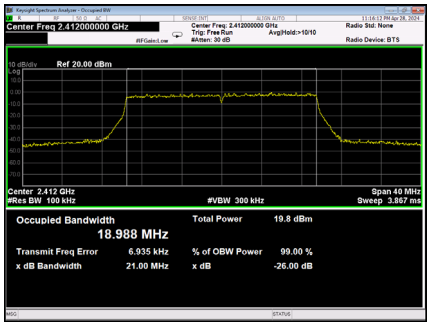


CH11

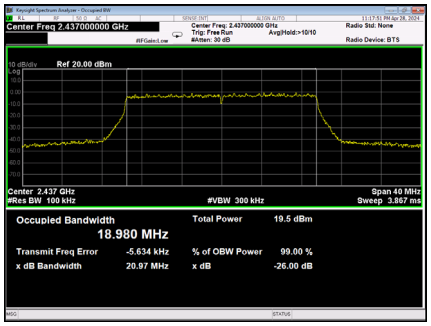


99%

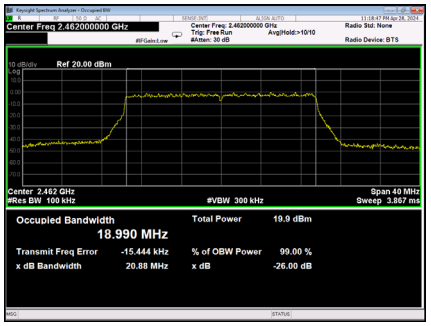
CH01



CH06



CH11



7. MAXIMUM OUTPUT POWER TEST

7.1 LIMIT

FCC Part15, Subpart C (15.247)&RSS-247		
Section	Test Item	Limit
15.247(b)(3) RSS-2475.4 (d)	Maximum Output Power	1 Watt or 30dBm

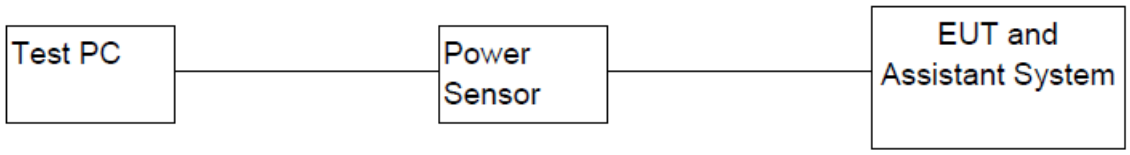
7.2 TEST PROCEDURE AND SETTING

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
b. The maximum conducted output power was performed in accordance with method 11.9.1.3 of ANSI C63.10-2013.and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

7.3 MEASUREMENT INSTRUMENTS LIST

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	Power Sensor	KEYSIGHT	U2021XA	MY55240009	05/22/2025
2	Attenuator	Mini-Circuits	BW-S10W2	101109	N/A
3	RF Cable	Micable	C10-01-01-1	100309	N/A
4	Test Software	KEYSIGHT	Power Panel	V3.11	N/A

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.5 unless otherwise a special operating condition is specified in the follows during the testing.

7.6 TESTRESULTS

TX B Mode_Ant 1				
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Result
01	2412	13.52	0.0225	PASS
06	2437	14.19	0.0262	PASS
11	2462	14.72	0.0297	PASS
Limit	30dBm / 1W			

TX B Mode_Ant 2				
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Result
01	2412	14.64	0.0291	PASS
06	2437	15.05	0.0320	PASS
11	2462	15.31	0.0340	PASS
Limit	30dBm / 1W			

TX G Mode_Ant 1				
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Result
01	2412	19.13	0.0819	PASS
06	2437	19.73	0.0940	PASS
11	2462	20.20	0.1047	PASS
Limit	30dBm / 1W			

TX G Mode_Ant 2				
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Result
01	2412	20.13	0.1030	PASS
06	2437	20.36	0.1086	PASS
11	2462	20.64	0.1159	PASS
Limit	30dBm / 1W			

TX N (HT20) _Ant 1				
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Result
01	2412	19.92	0.0982	PASS
06	2437	20.53	0.1130	PASS
11	2462	20.87	0.1222	PASS
Limit	30dBm / 1W			

TX N (HT20) _Ant 2				
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Result
01	2412	18.42	0.0695	PASS
06	2437	18.69	0.0740	PASS
11	2462	19.15	0.0822	PASS
Limit	30dBm / 1W			

TX N (HT20) _Total				
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Result
01	2412	22.24	0.1677	PASS
06	2437	22.72	0.1869	PASS
11	2462	23.10	0.2044	PASS
Limit	30dBm / 1W			

TX AX (HE20) _Ant 1				
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Result
01	2412	19.56	0.0904	PASS
06	2437	19.64	0.0920	PASS
11	2462	20.24	0.1057	PASS
Limit	30dBm / 1W			

TX AX (HE20) _Ant 2				
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Result
01	2412	20.53	0.1130	PASS
06	2437	20.63	0.1156	PASS
11	2462	21.36	0.1368	PASS
Limit	30dBm / 1W			

TX AX (HE20) _Total				
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Result
01	2412	23.08	0.2033	PASS
06	2437	23.17	0.2077	PASS
11	2462	23.85	0.2425	PASS
Limit	30dBm / 1W			

8. CONDUCTED SPURIOUS EMISSIONS

8.1 LIMIT

For FCC

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

For ISED

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

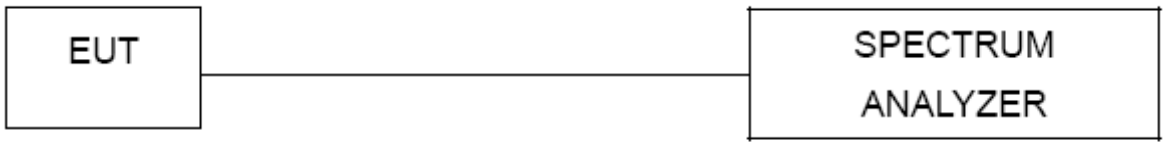
8.2 TEST PROCEDURE AND SETTING

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW= 100 kHz, VBW=300 kHz, Sweep time = Auto.

8.3 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum analyzer	KEYSIGHT	N9010A	MY55150427	2025/05/22
2	Attenuator	Mini-Circuits	BW-S10W2	101109	N/A
3	RF Cable	Mi-cable	C10-01-01-1	100309	N/A

8.4 TEST SETUP



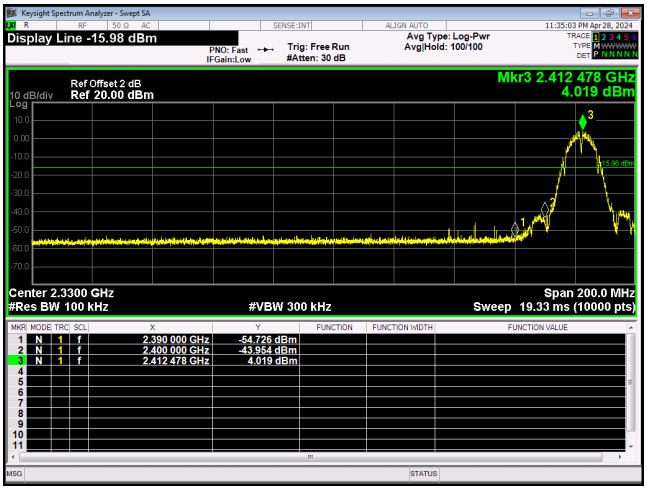
8.5EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.5unless otherwise a special operating condition is specified in the follows during the testing.

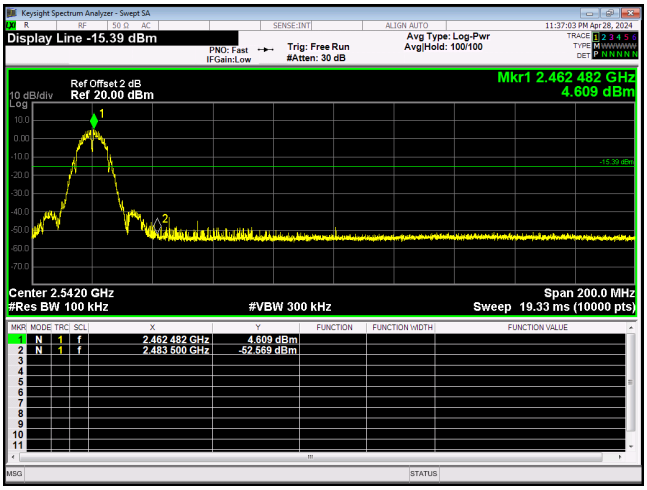
8.6 TESTRESULTS

TX B Mode_Ant 1

Bandedge-CH01

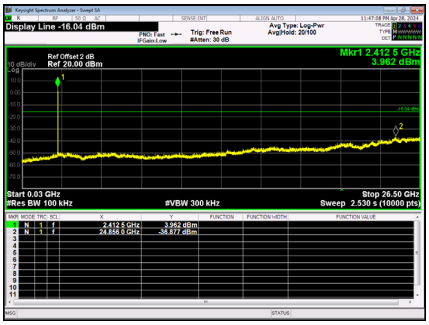


Bandedge-CH11

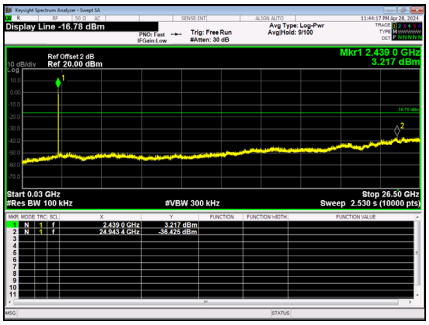


10th Harmonic of the fundamental frequency

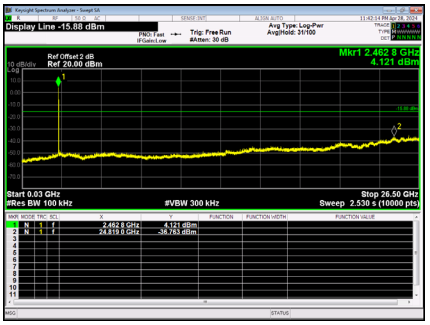
CH01



CH06

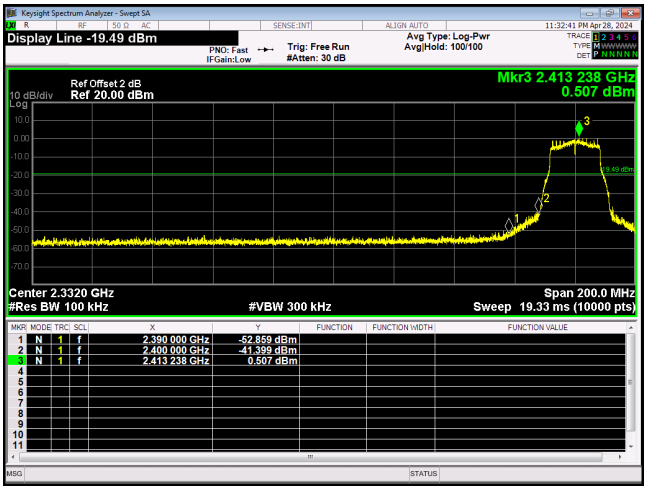


CH11

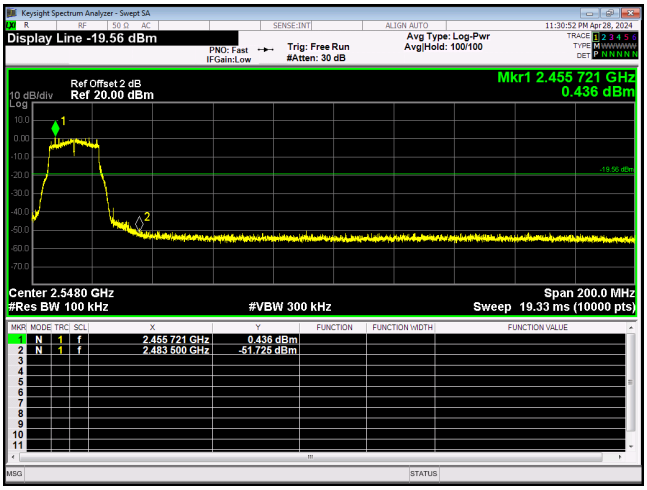


TX G Mode_Ant 1

Bandedge-CH01



Bandedge-CH11



10th Harmonic of the fundamental frequency

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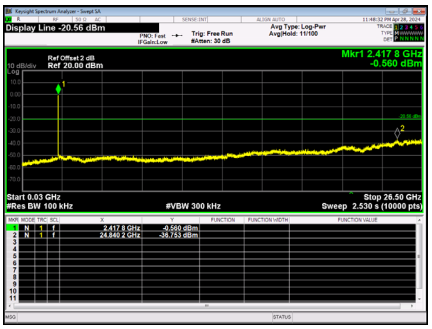

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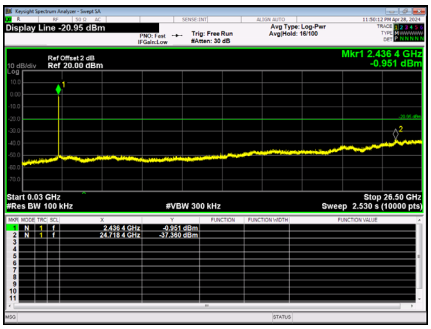

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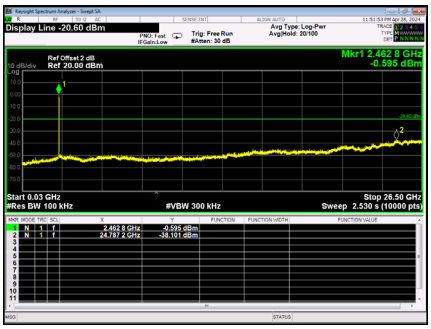
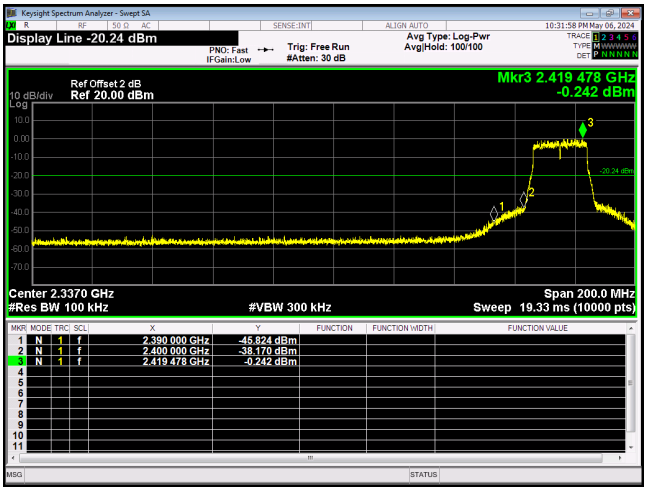


TX N (HT20) Mode _Ant 1

Bandedge-CH01



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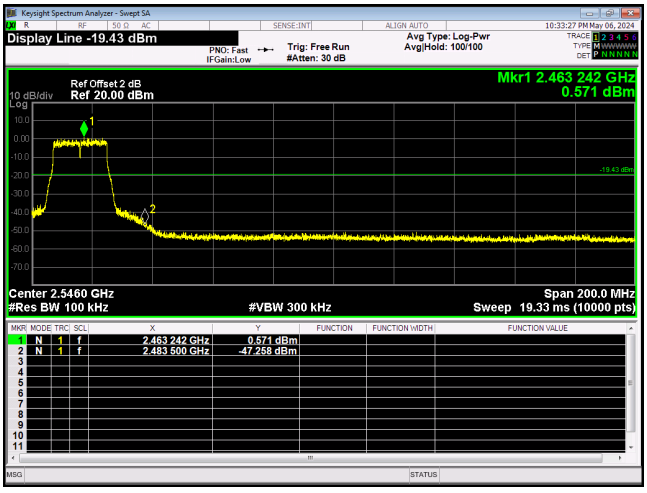
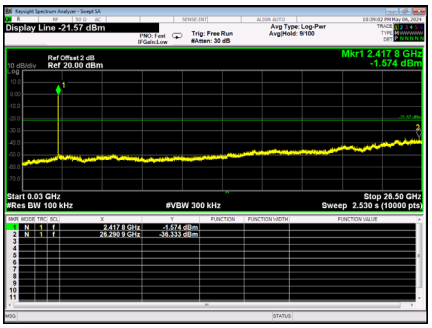
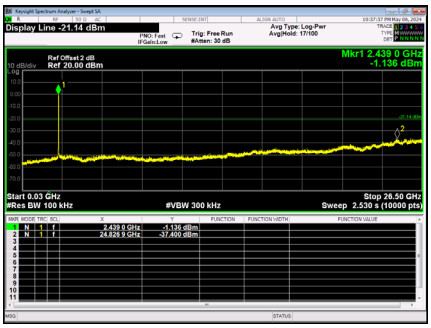


10th Harmonic of the fundamental frequency

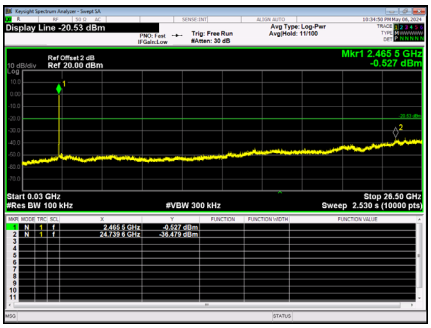
CH01



CH06

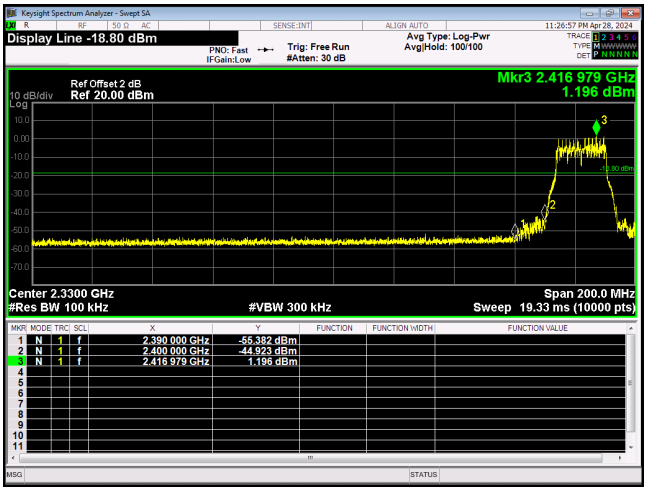


CH11

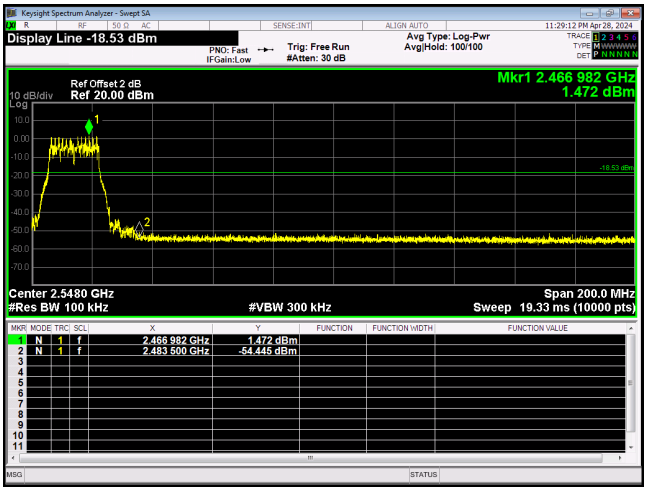


TX N (HT20) Mode _Ant 2

Bandedge-CH01

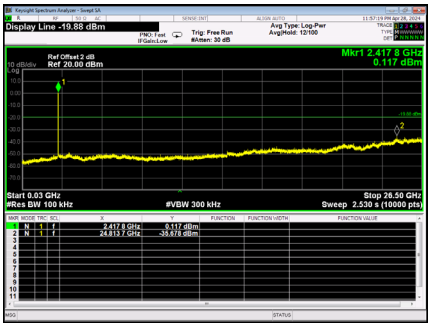


Bandedge-CH11

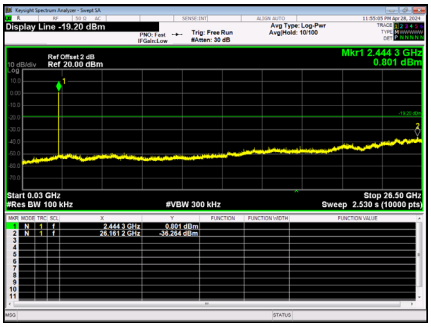


10th Harmonic of the fundamental frequency

CH01



CH06



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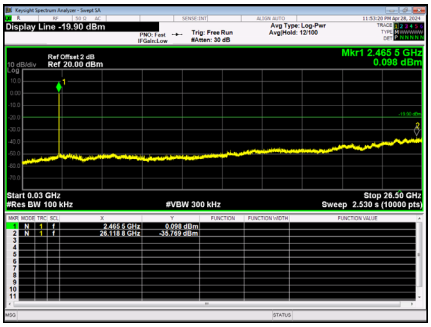
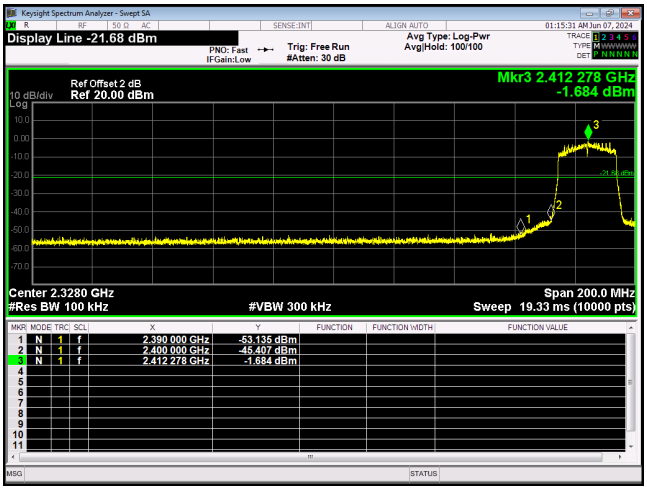
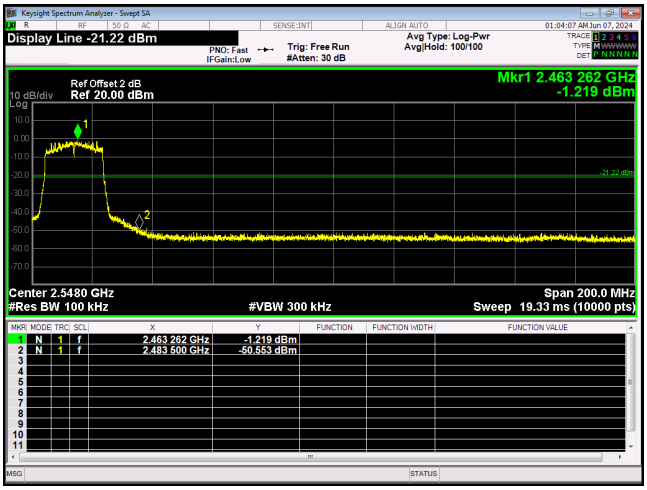


TX AX (HE20) Mode _Ant 1

Bandedge-CH01

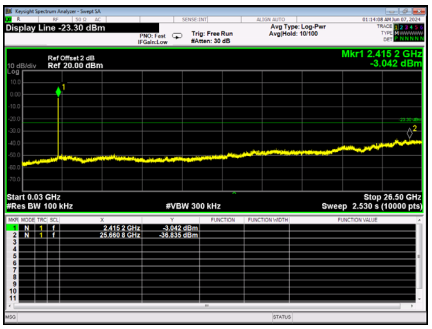


Bandedge-CH11

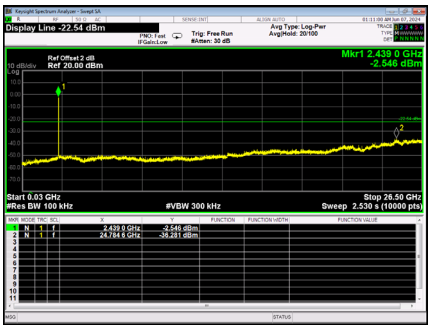


10th Harmonic of the fundamental frequency

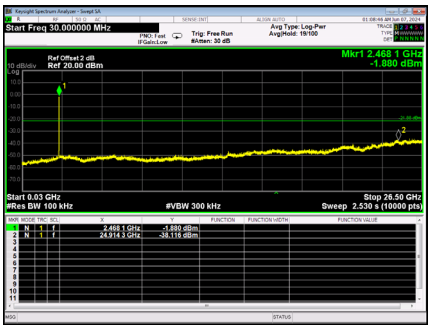
CH01



CH06

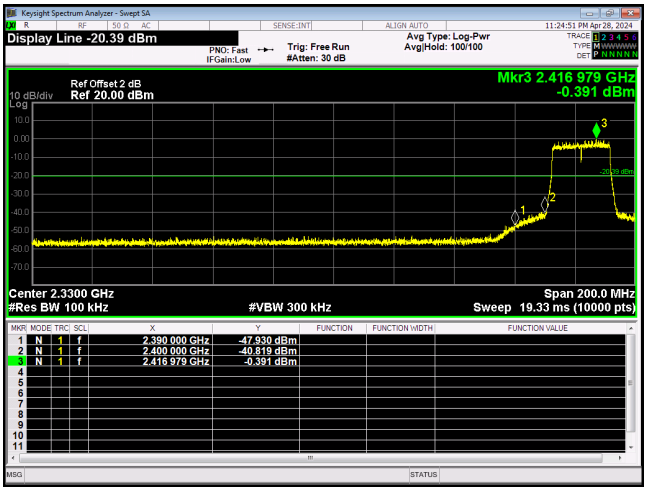


CH11

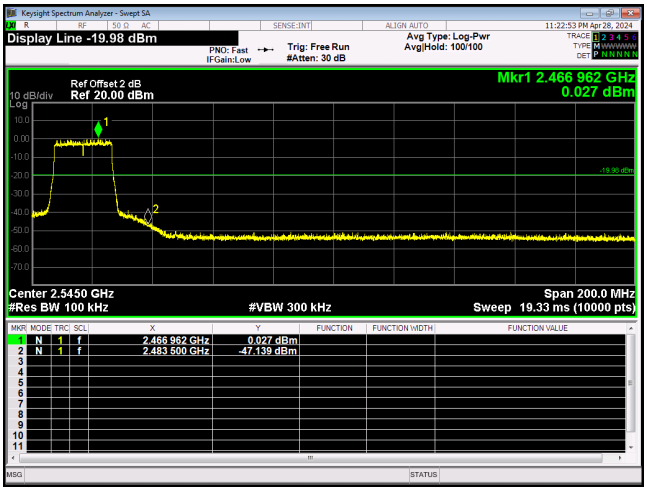


TX AX (HE20) Mode _Ant 2

Bandedge-CH01

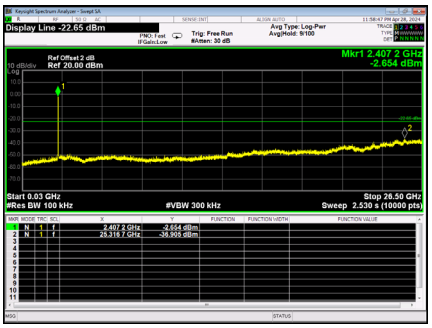


Bandedge-CH11

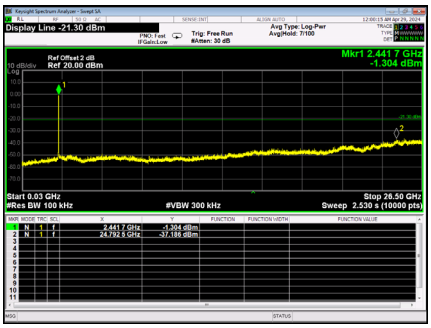


10th Harmonic of the fundamental frequency

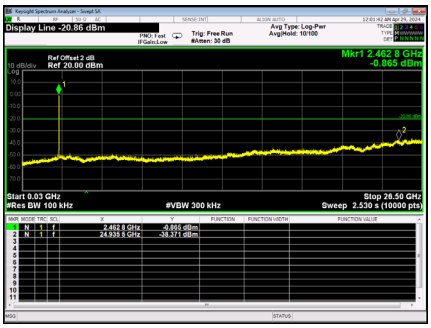
CH01



CH06



CH11



9. POWER SPECTRAL DENSITY TEST

9.1 LIMIT

FCC Part15, Subpart C (15.247)&RSS-247		
Section	Test Item	Limit
15.247(e) RSS-2475.2 (b)	Power Spectral Density	8 dBm (in any 3 kHz)

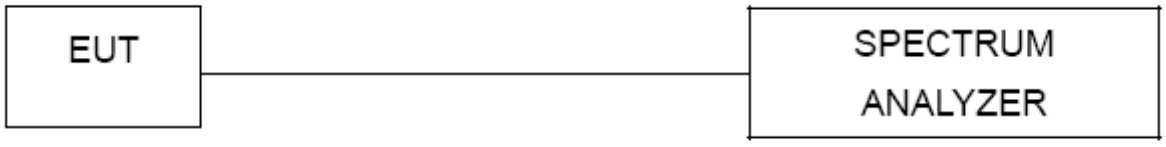
9.2 TEST PROCEDURE AND SETTING

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW=3 kHz, VBW=10 kHz, Sweep time = Auto.
c. The Power Spectral Density was performed in accordance with method11.10.2 of ANSI C63.10-2013.

9.3 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum analyzer	KEYSIGHT	N9010A	MY55150427	2025/05/22
2	Attenuator	Mini-Circuits	BW-S10W2	101109	N/A
3	RF Cable	Mi-cable	C10-01-01-1	100309	N/A

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.5 unless otherwise a special operating condition is specified in the follows during the testing.