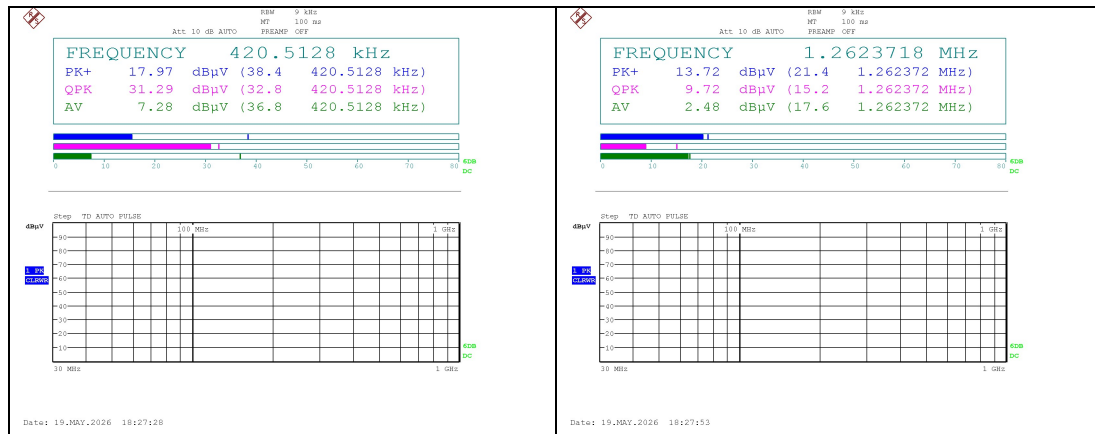
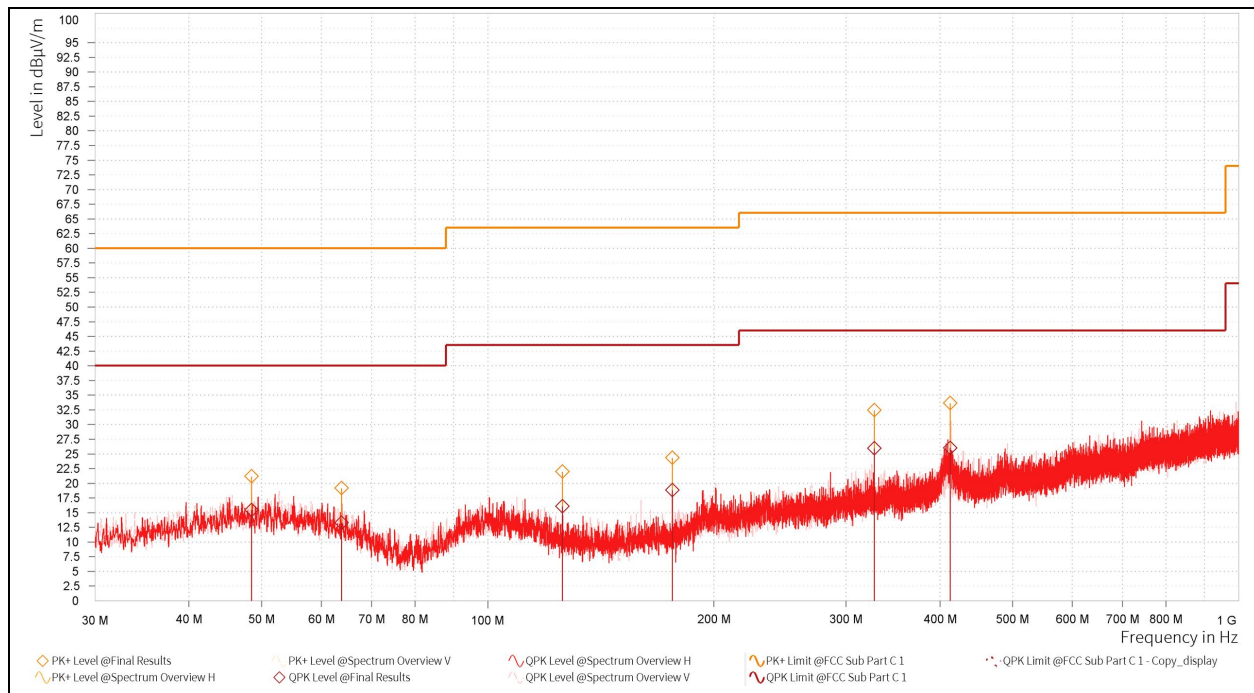


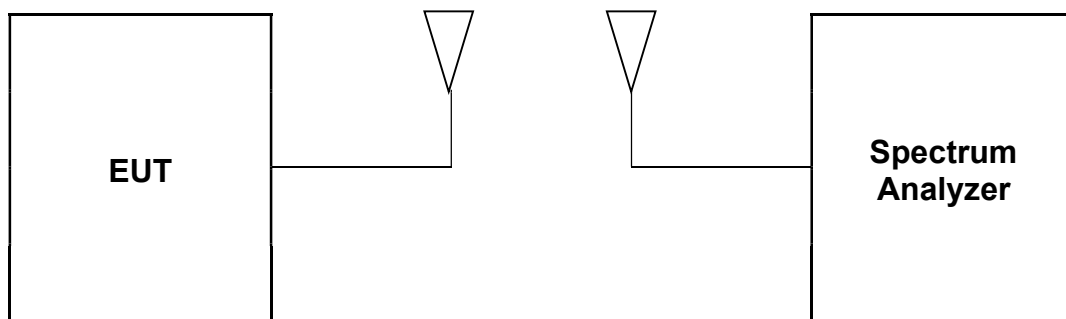


Above 30 MHz



3. 20 dB Bandwidth

3.1. Test Setup



3.2. Limit

None; for reporting purposed only

3.3. Test Procedure

- a. Span = set to capture all products of the modulation process, including the emission skirts.
 RBW = 200 Hz, VBW > 3xRBW, Sweep = auto, Detector = peak, Trace = max hold.
- b. The marker-to-peak function to set the mark to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is 20 dB bandwidth of the emission.

3.4. Test Result

Ambient temperature : (23 ± 1) °C
Relative humidity : 47 %

Ant.1

Test Condition: 5 W Operating mode with client device

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
128 kHz	With client device (1 % battery status of client device)	0.529	Reporting proposed only

Test Condition: 7.5 W Operating mode with client device

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
128 kHz	With client device (1 % battery status of client device)	0.529	Reporting proposed only

Test Condition: 15 W Operating mode with client device

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
128 kHz	With client device (1 % battery status of client device)	0.529	Reporting proposed only

Ant.2

Test Condition: 5 W Operating mode with client device

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
128 kHz	With client device (1 % battery status of client device)	0.529	Reporting proposed only

Test Condition: 7.5 W Operating mode with client device

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
128 kHz	With client device (1 % battery status of client device)	0.529	Reporting proposed only

Test Condition: 15 W Operating mode with client device

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
128 kHz	With client device (1 % battery status of client device)	0.529	Reporting proposed only

Ant.1 + Ant.2

Test Condition: 5 W + 5 W Operating mode with client device

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
128 kHz	With client device (1 % battery status of client device)	0.529	Reporting proposed only

Test Condition: 7.5 W + 7.5 W Operating mode with client device

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
128 kHz	With client device (1 % battery status of client device)	0.529	Reporting proposed only

Test Condition: 15 W + 15 W Operating mode with client device

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
128 kHz	With client device (1 % battery status of client device)	0.529	Reporting proposed only

Test Condition: Idle mode

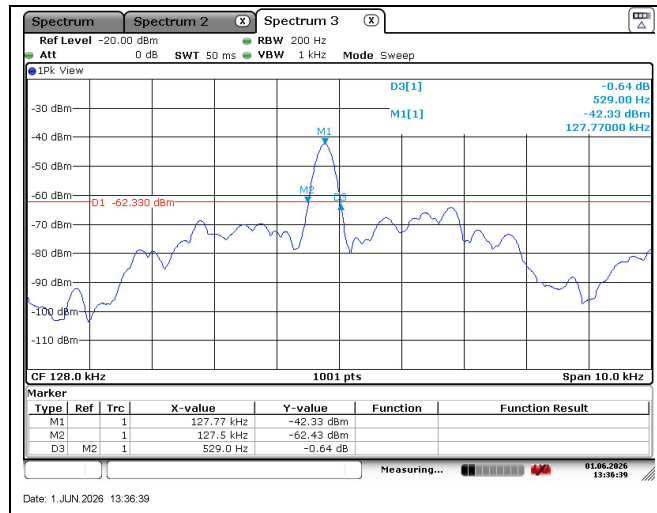
Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
128 kHz	Without client device	0.769	Reporting proposed only

- Test plots

Ant.1

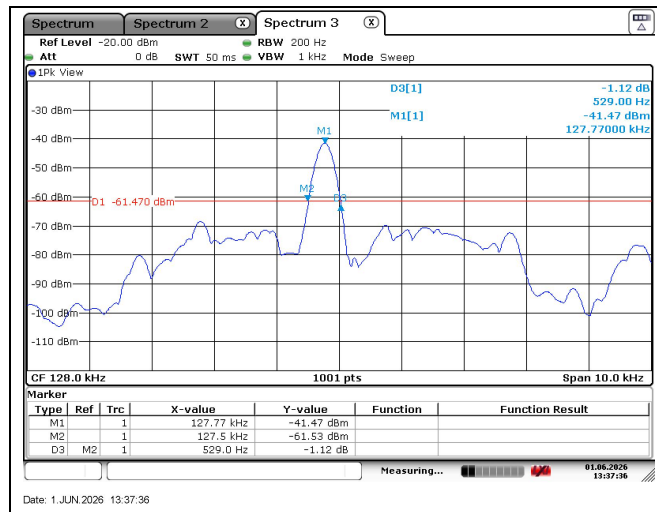
Test Condition: 5 W Operating mode with client device

Operating Frequency: 128 kHz



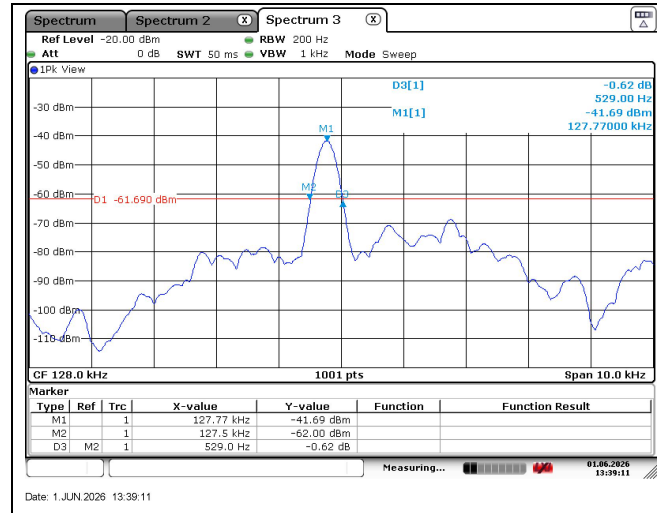
Test Condition: 7.5 W Operating mode with client device

Operating Frequency: 128 kHz



Test Condition: 15 W Operating mode with client device

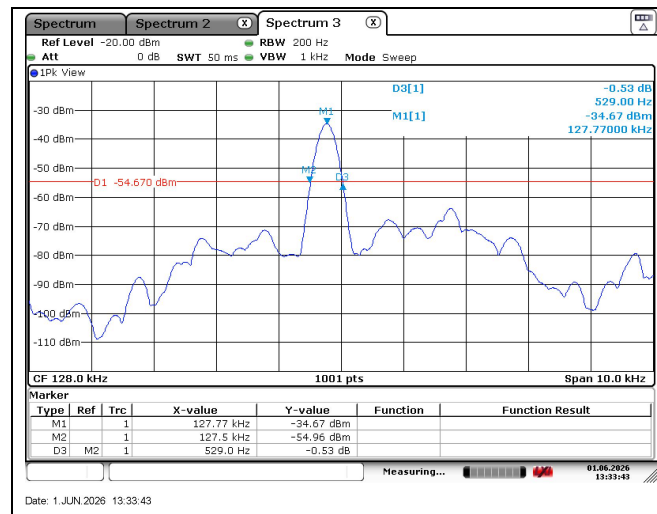
Operating Frequency: 128 kHz



Ant.2

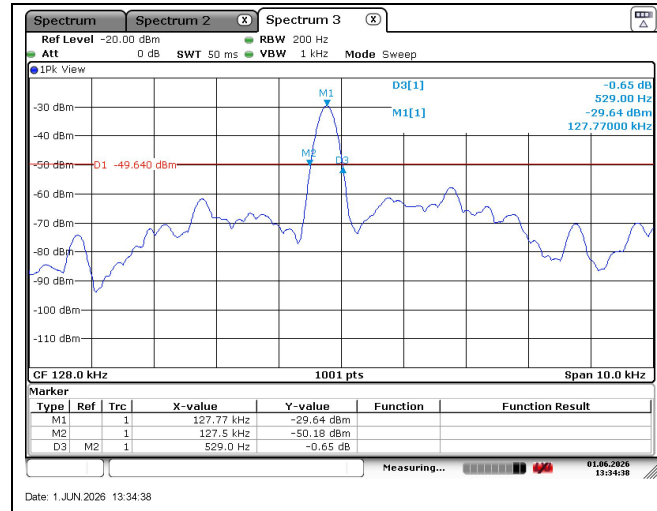
Test Condition: 5 W Operating mode with client device

Operating Frequency: 128 kHz



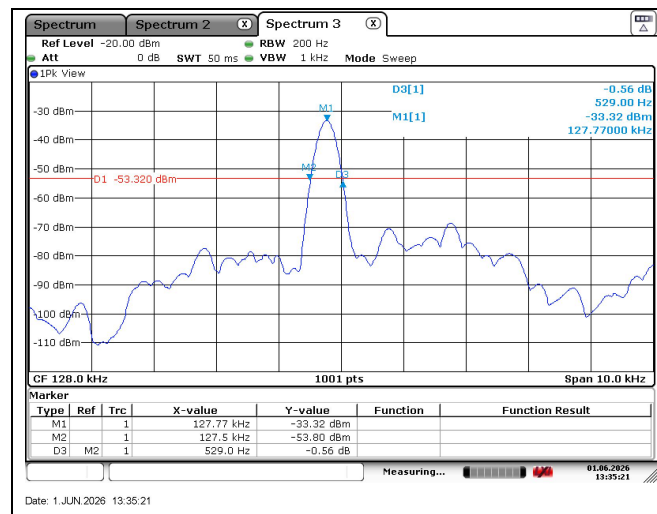
Test Condition: 7.5 W Operating mode with client device

Operating Frequency: 128 kHz



Test Condition: 15 W Operating mode with client device

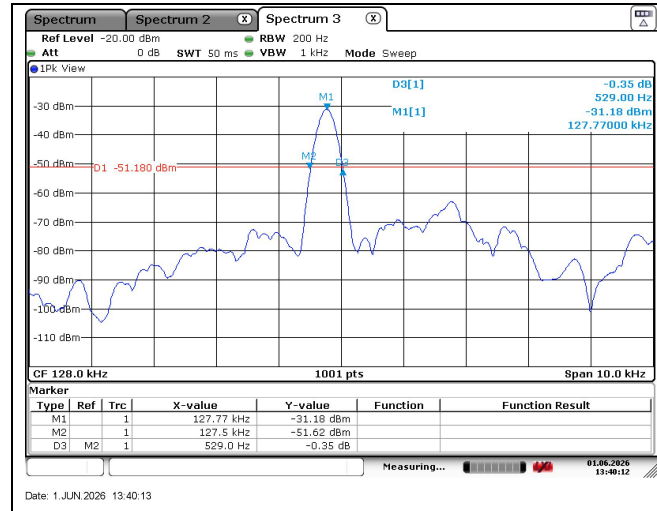
Operating Frequency: 128 kHz



Ant.1 + Ant.2

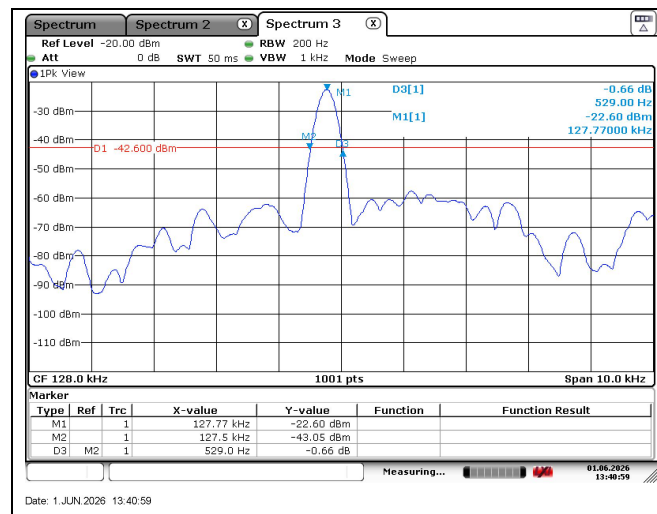
Test Condition: 5 W + 5 W Operating mode with client device

Operating Frequency: 128 kHz



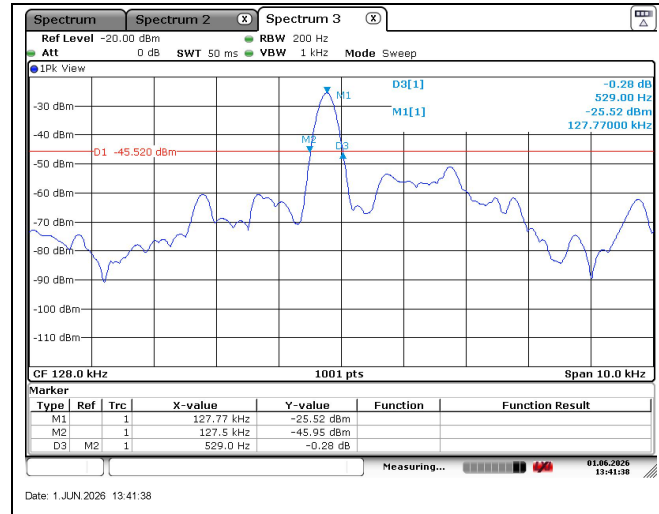
Test Condition: 7.5 W + 7.5 W Operating mode with client device

Operating Frequency: 128 kHz



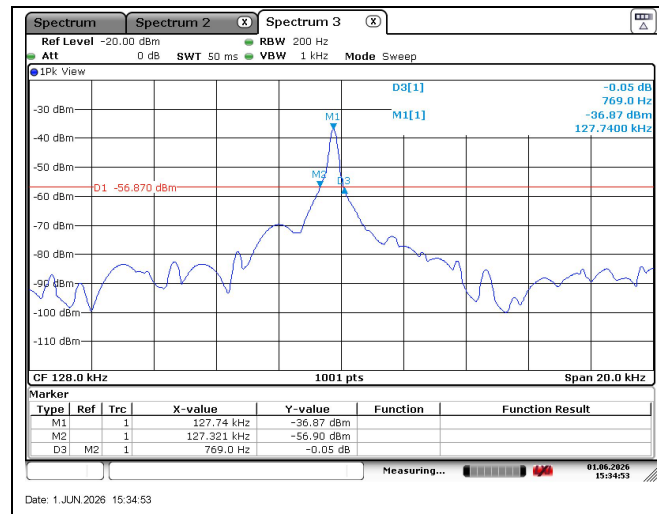
Test Condition: 15 W + 15 W Operating mode with client device

Operating Frequency: 128 kHz



Test Condition: Idle mode

Operating Frequency: 128 kHz



4. Antenna Requirement

4.1. Standard Applicable

For intentional device, according to FCC 47 CFR Section §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

- End of the Test Report -