

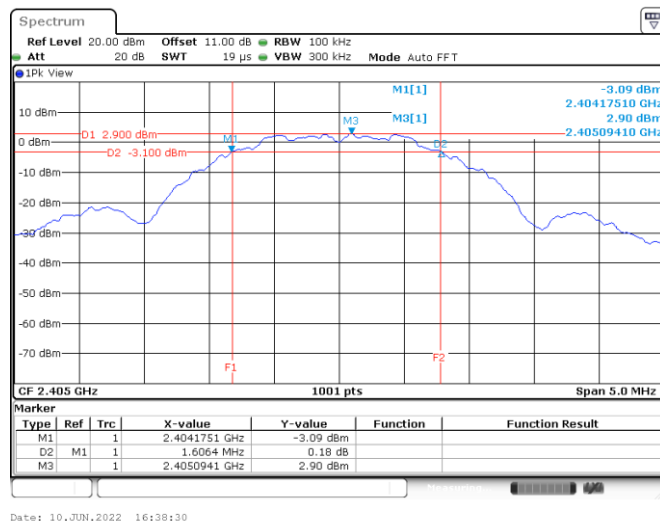
Appendix A: Test Results of Conducted Test by PCB (ECC Mode)

Test Result of 6 dB Bandwidth

Zigbee_250kHz

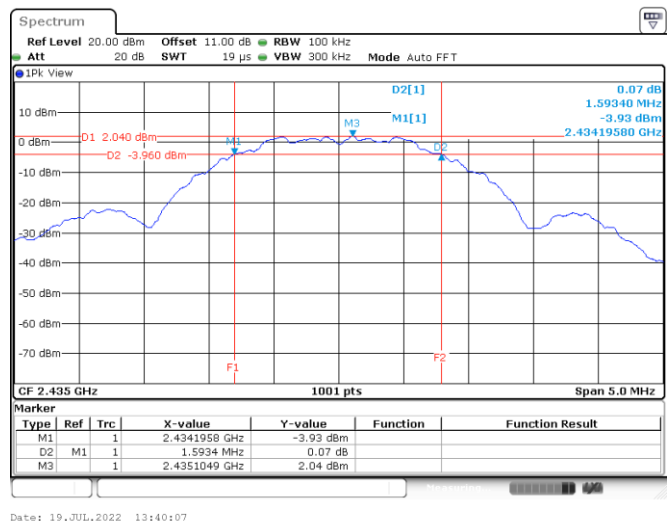
Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2405	1606.40	> 500	Pass
Middle Channel	2435	1593.40	> 500	Pass
High Channel	2480	1555.70	> 500	Pass

Low Channel



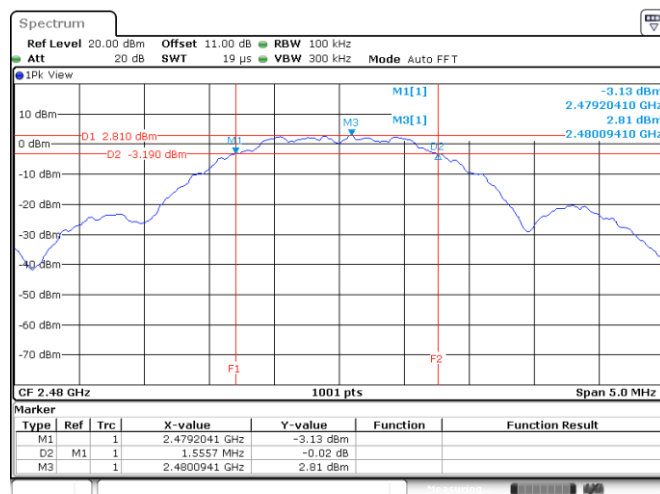
Date: 10.JUN.2022 16:38:30

Middle Channel



Date: 19.JUL.2022 13:40:07

High Channel

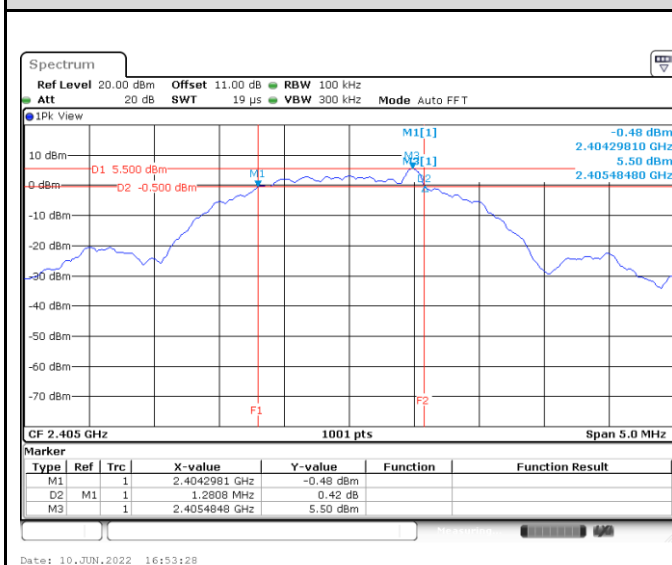


Date: 10.JUN.2022 16:44:44

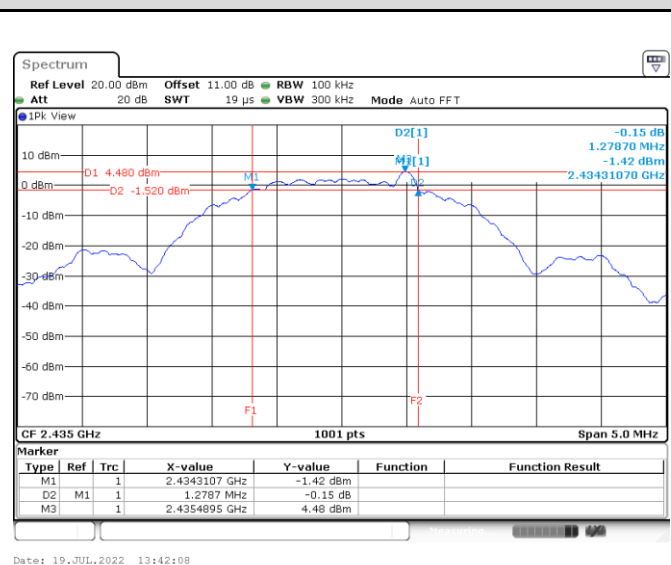
Zigbee_2Mbps

Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2405	1280.80	> 500	Pass
Middle Channel	2435	1278.70	> 500	Pass
High Channel	2480	1273.50	> 500	Pass

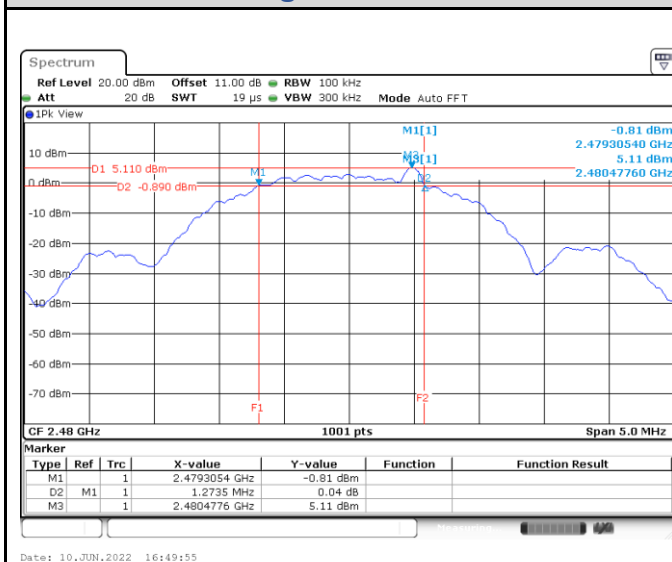
Low Channel



Middle Channel



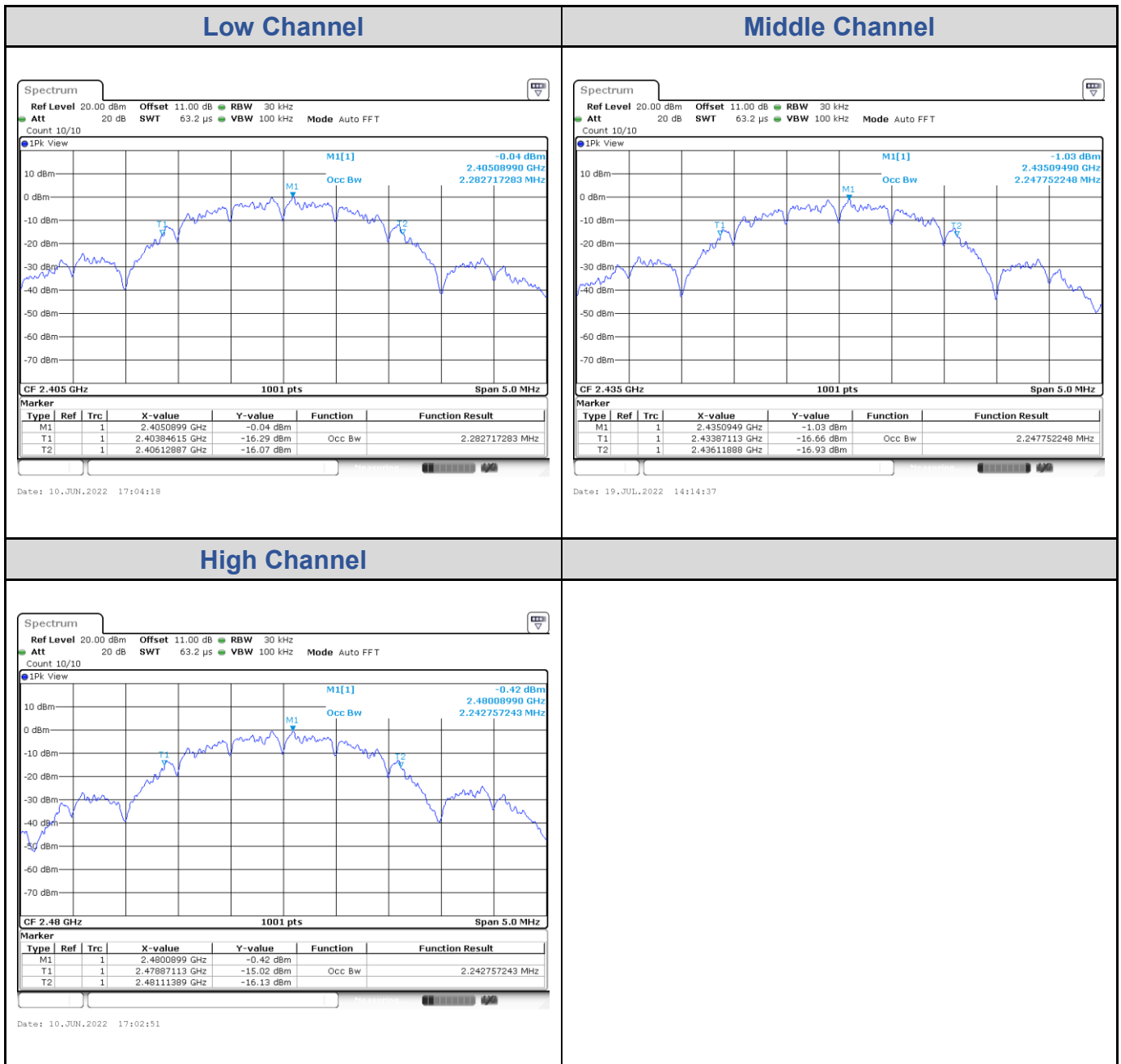
High Channel



Test Result of 99% Occupied Bandwidth

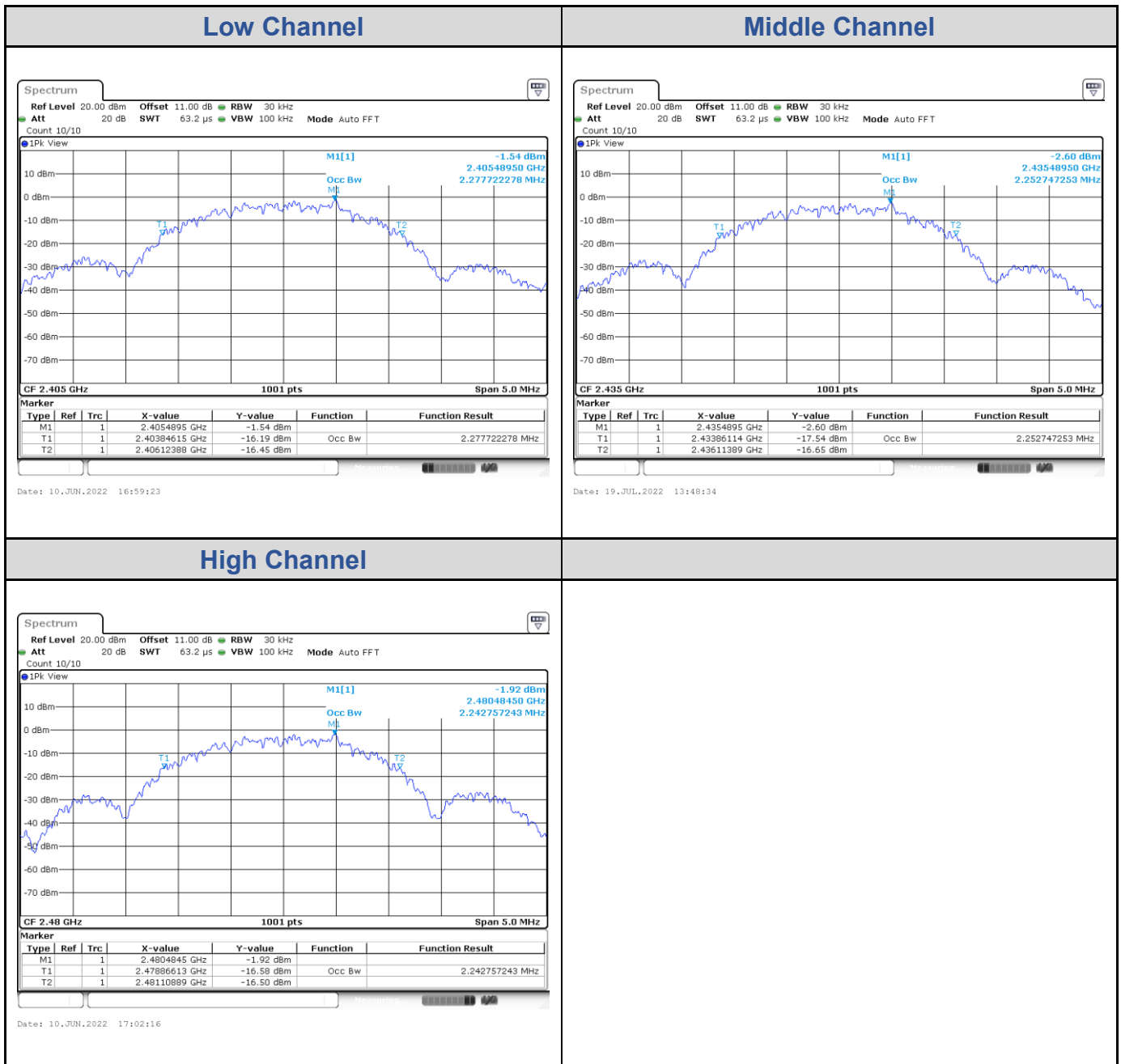
Zigbee_250kHz

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2405	2.28
Middle Channel	2435	2.25
High Channel	2480	2.24



Zigbee_2Mbps

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2405	2.28
Middle Channel	2435	2.25
High Channel	2480	2.24

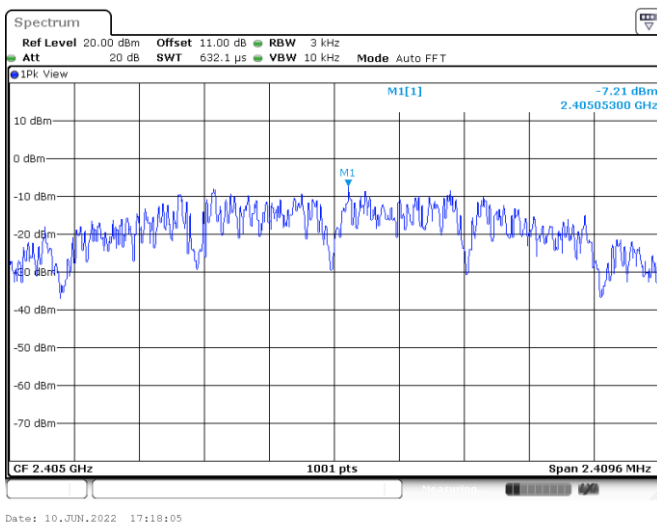


Test Result of Power Spectral Density

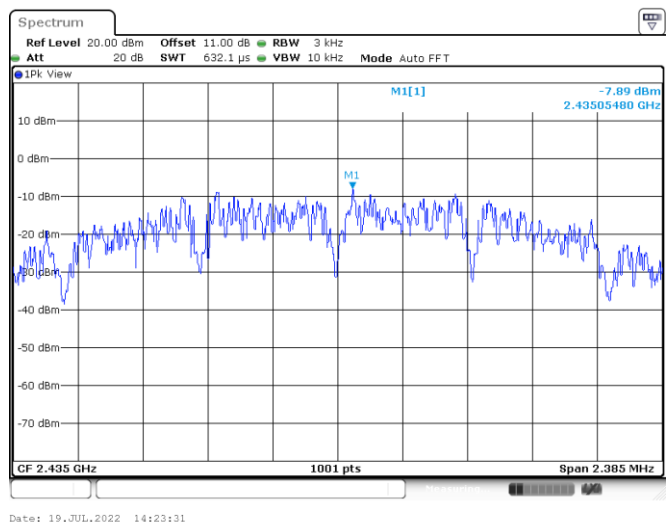
Zigbee_250kHz

Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2405	-7.21	8	Pass
Middle Channel	2435	-7.89	8	Pass
High Channel	2480	-7.25	8	Pass

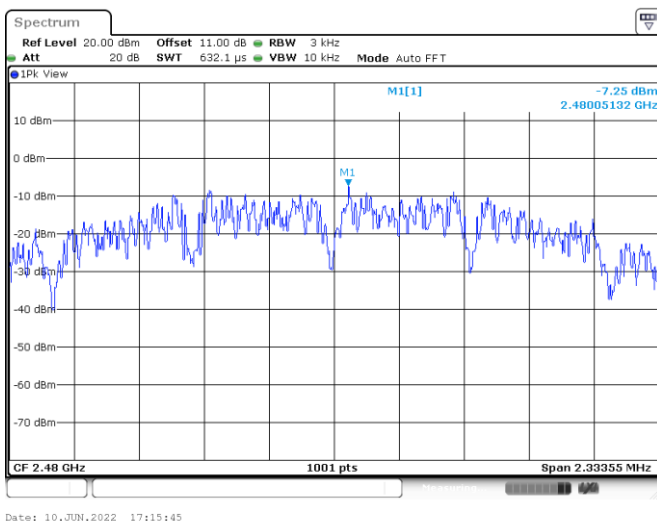
Low Channel



Middle Channel

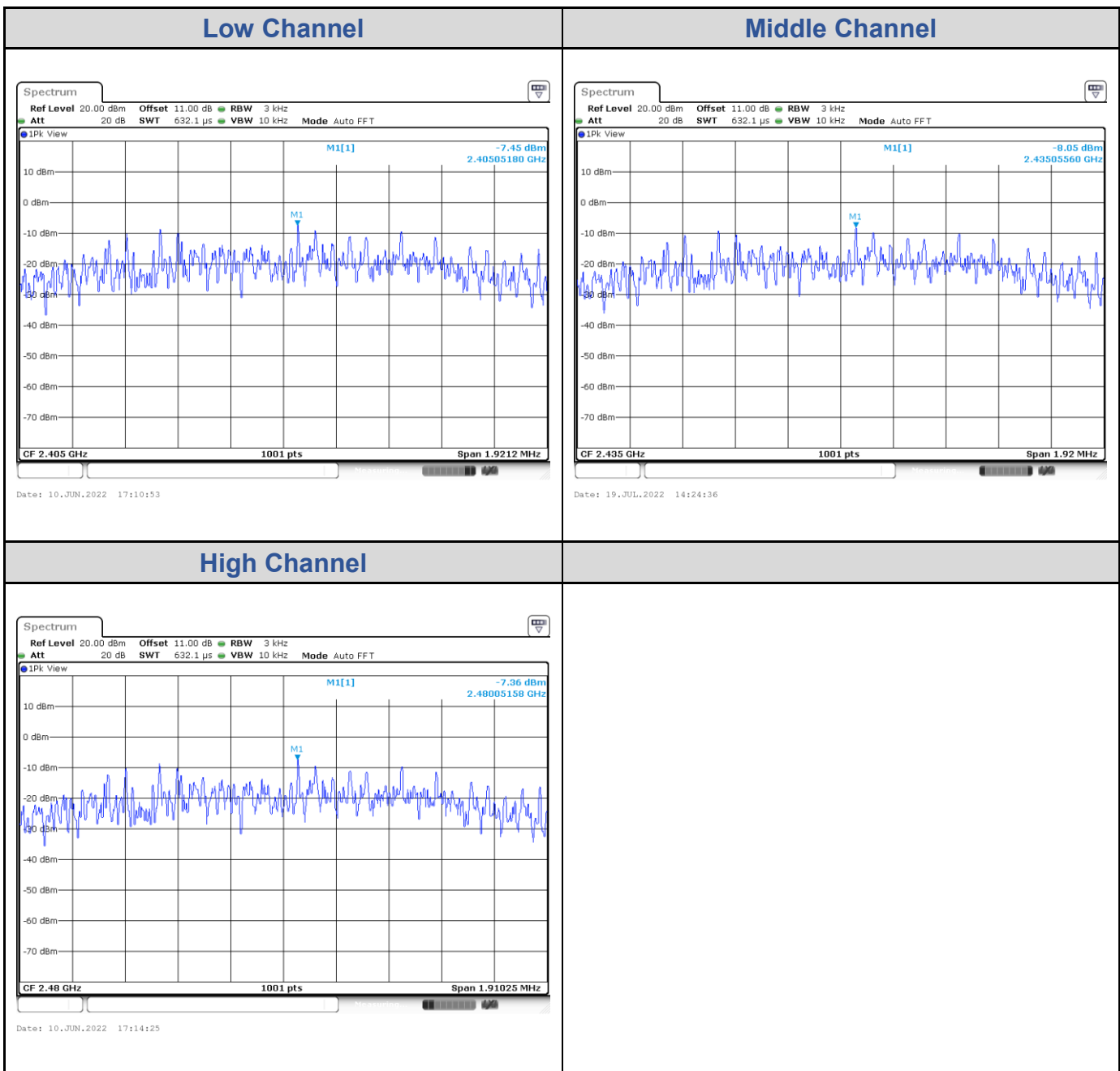


High Channel



Zigbee_2Mbps

Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2405	-7.45	8	Pass
Middle Channel	2435	-8.05	8	Pass
High Channel	2480	-7.36	8	Pass

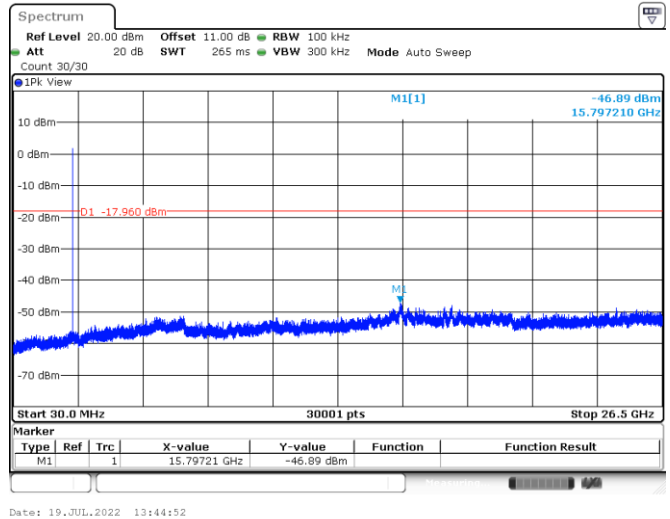
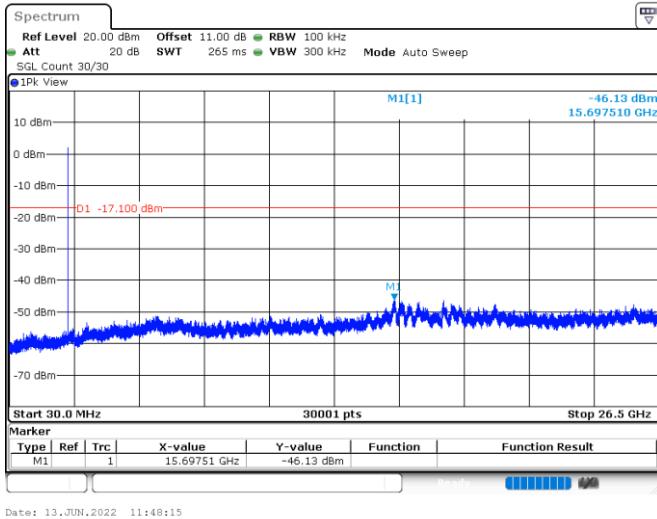


Test Result of Conducted Spurious Emissions, Tx Mode

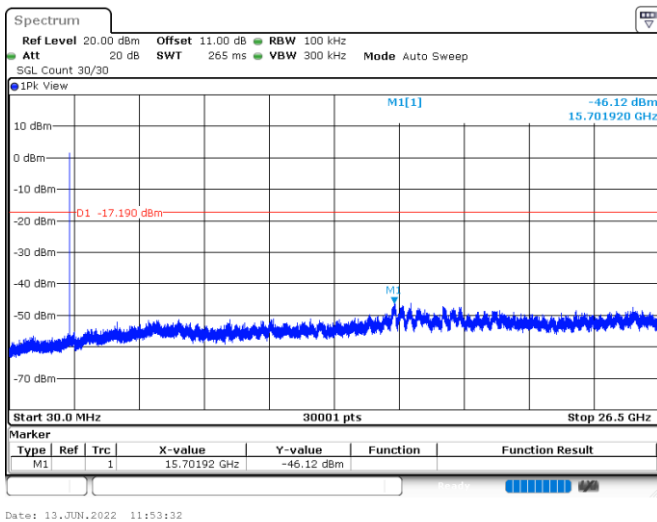
Zigbee_250kHz

Low Channel

Middle Channel



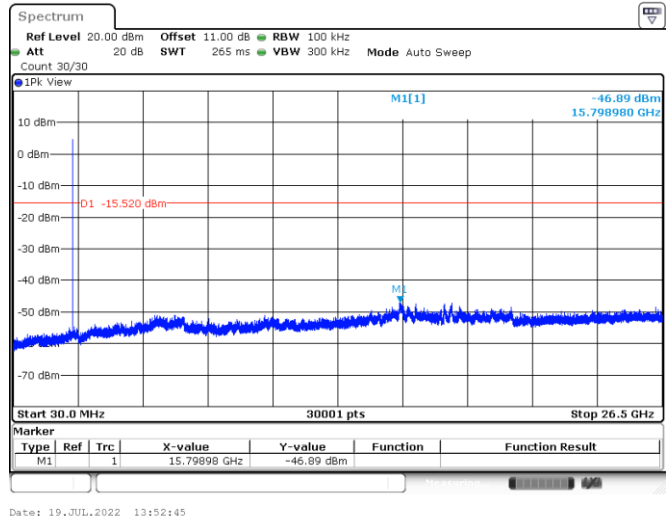
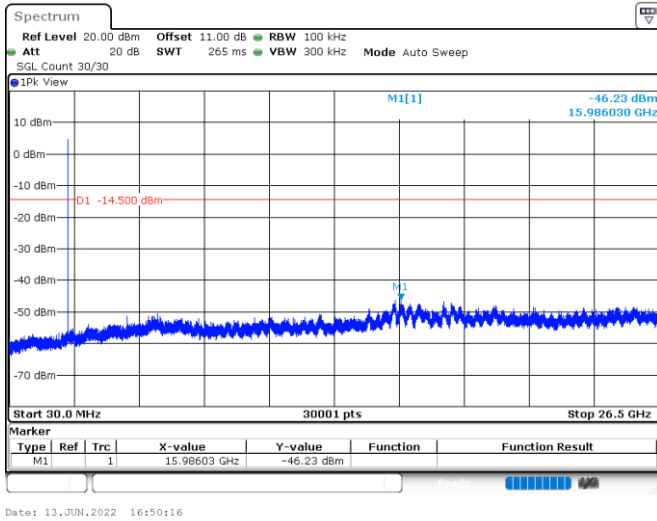
High Channel



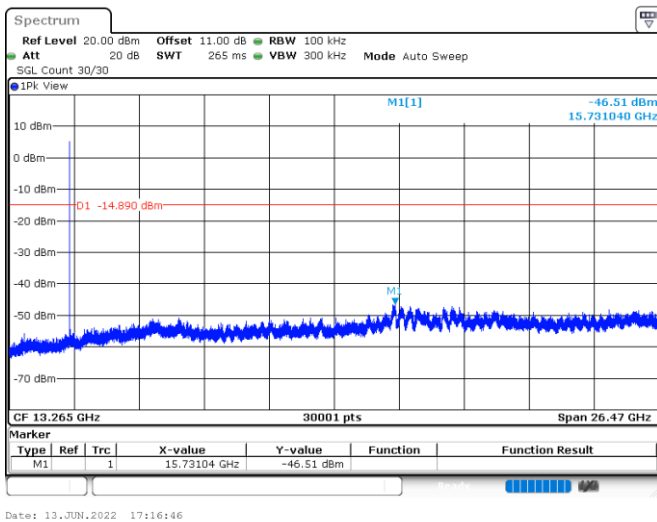
Zigbee_2Mbps

Low Channel

Middle Channel

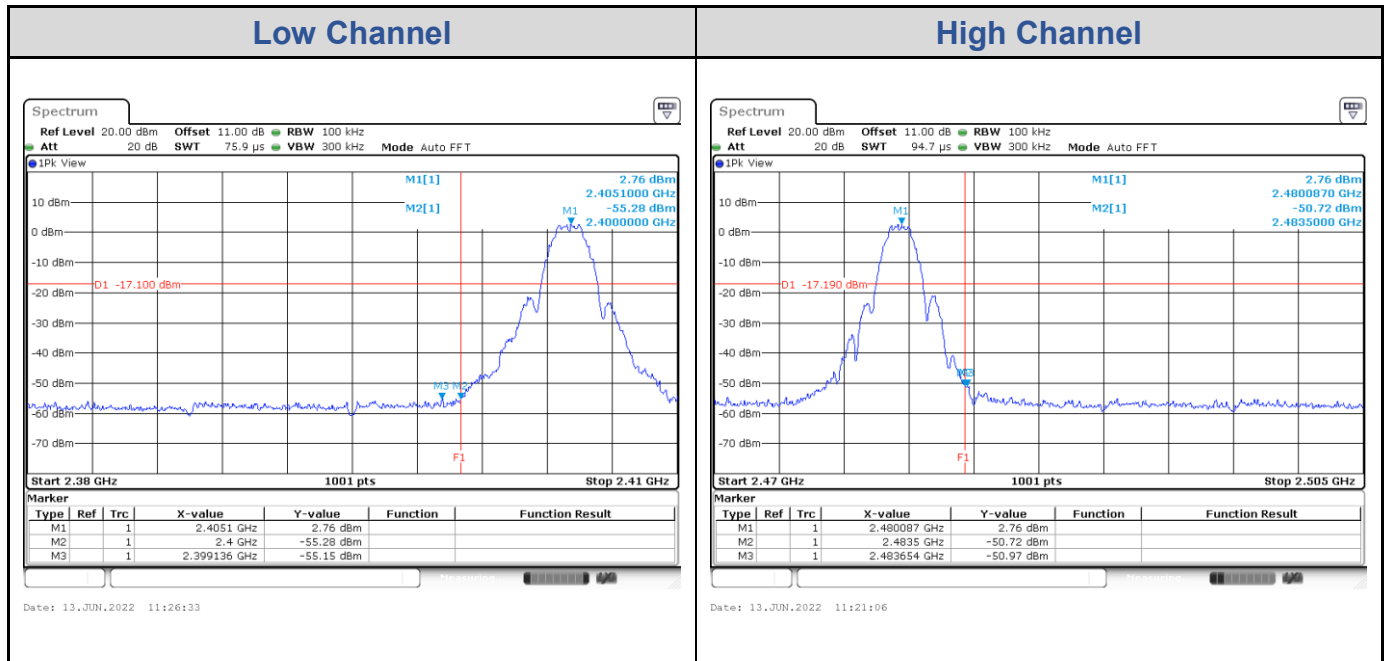


High Channel

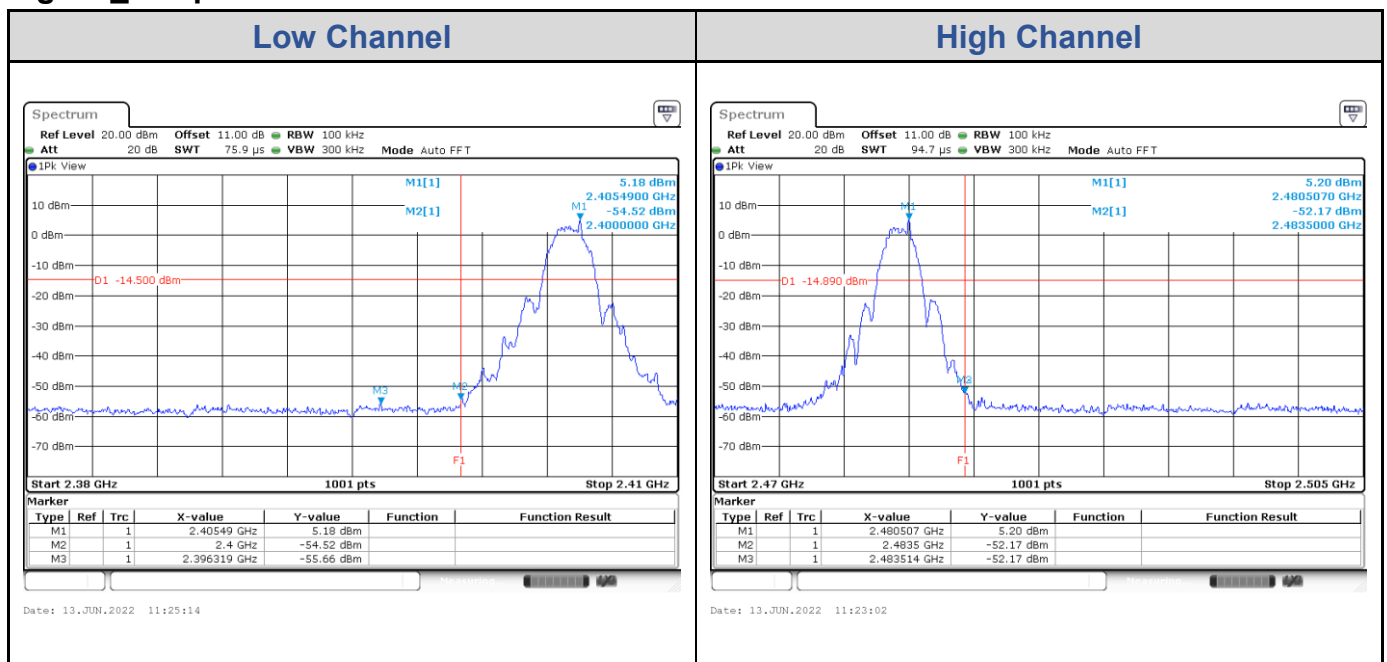


Test Result of Conducted Band Edge, Tx Mode

Zigbee_250kHz



Zigbee_2Mbps



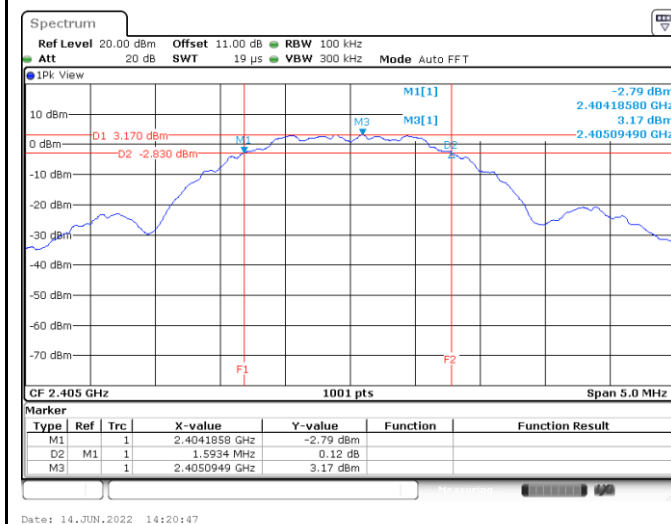
Test Results of Conducted Test by PCB (Non-ECC)

Test Result of 6 dB Bandwidth

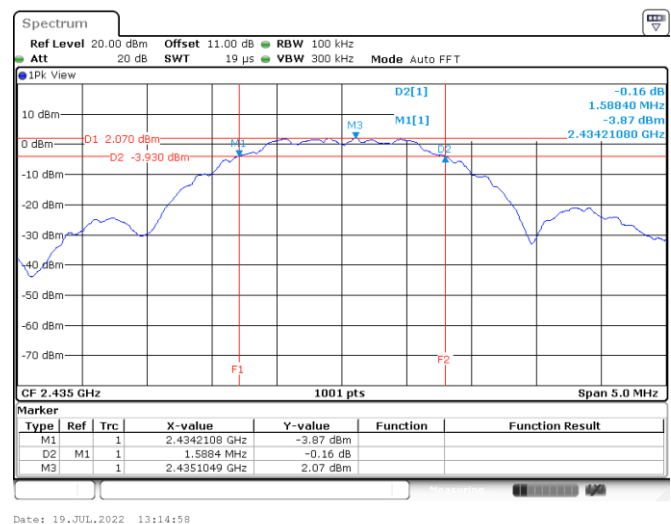
Zigbee_250kHz

Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2405	1593.40	> 500	Pass
Middle Channel	2435	1588.40	> 500	Pass
High Channel	2480	1588.40	> 500	Pass

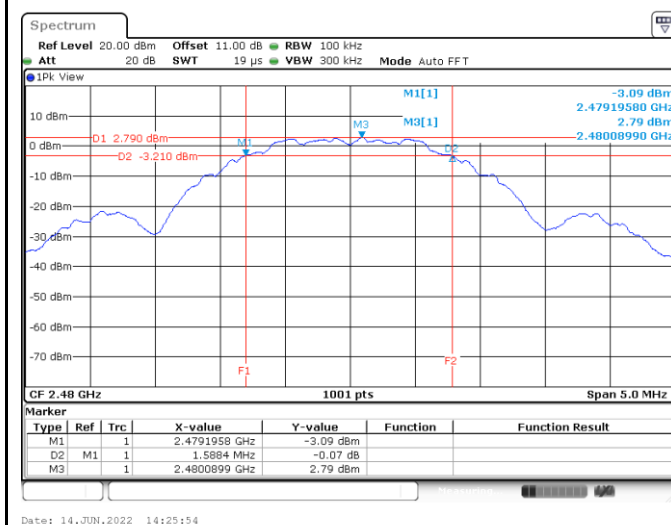
Low Channel



Middle Channel

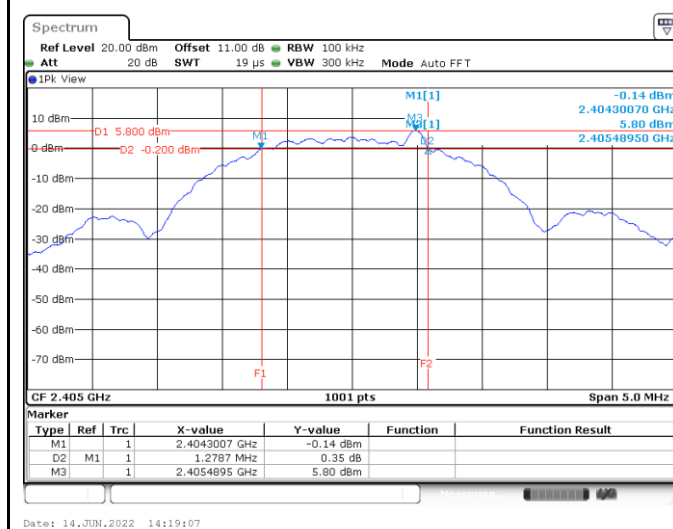
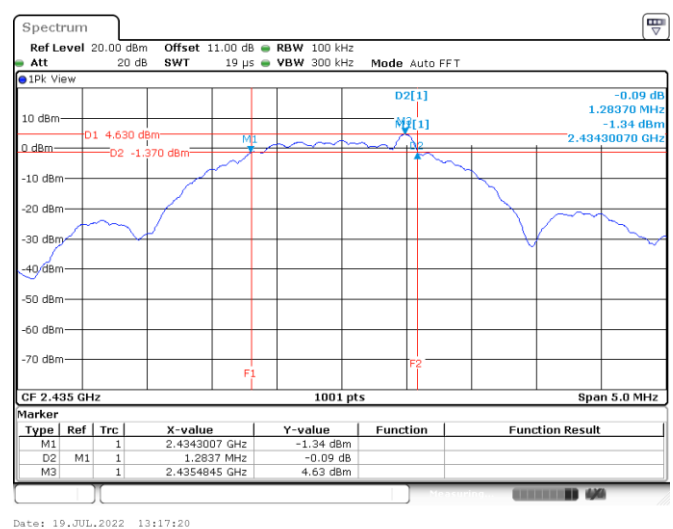
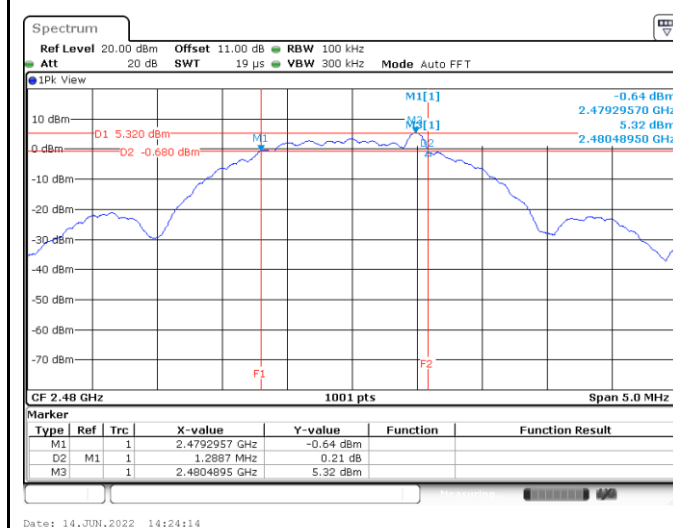


High Channel



Zigbee_2Mbps

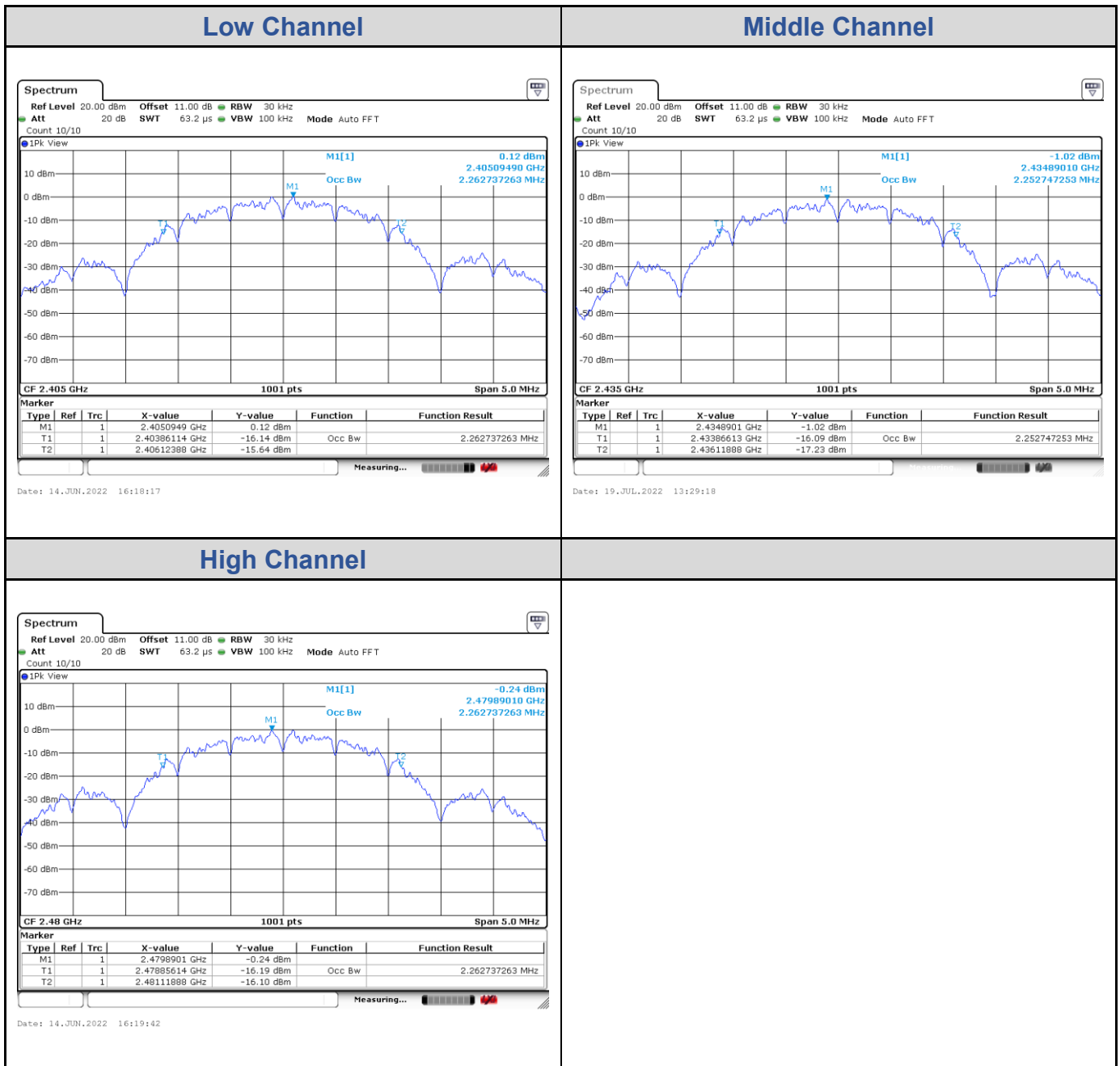
Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2405	1278.70	> 500	Pass
Middle Channel	2435	1283.70	> 500	Pass
High Channel	2480	1288.70	> 500	Pass

Low Channel

Middle Channel

High Channel


Test Result of 99% Occupied Bandwidth

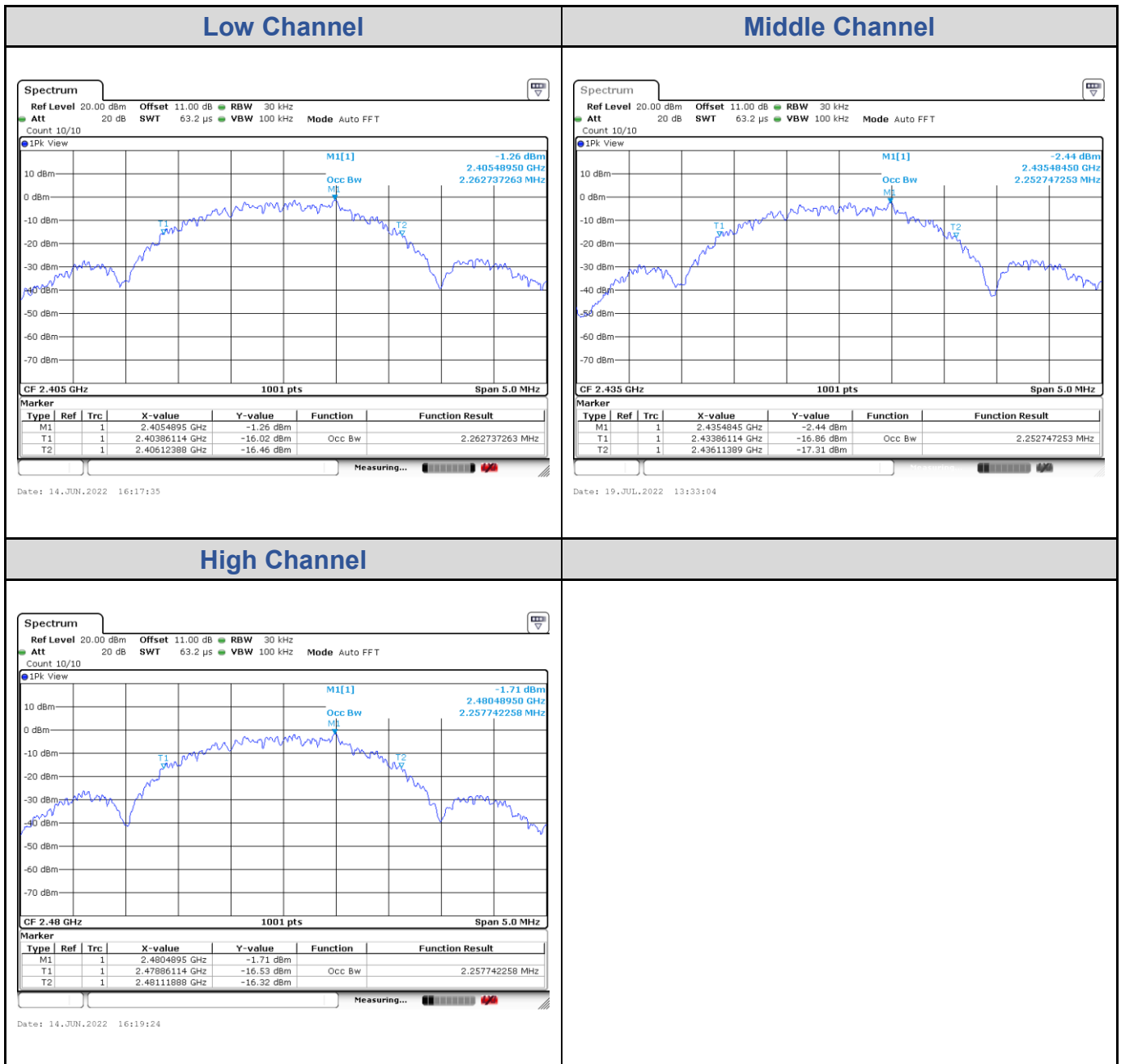
Zigbee_250kHz

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2405	2.26
Middle Channel	2435	2.25
High Channel	2480	2.26



Zigbee_2Mbps

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2405	2.26
Middle Channel	2435	2.25
High Channel	2480	2.26

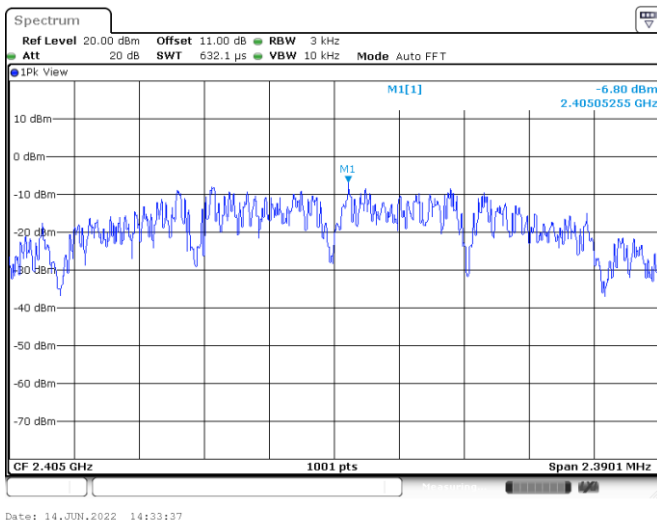


Test Result of Power Spectral Density

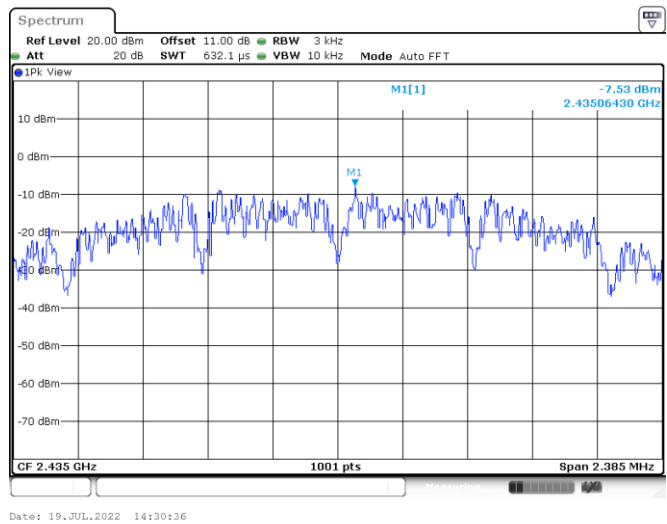
Zigbee_250kHz

Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2405	-6.80	8	Pass
Middle Channel	2435	-7.53	8	Pass
High Channel	2480	-6.90	8	Pass

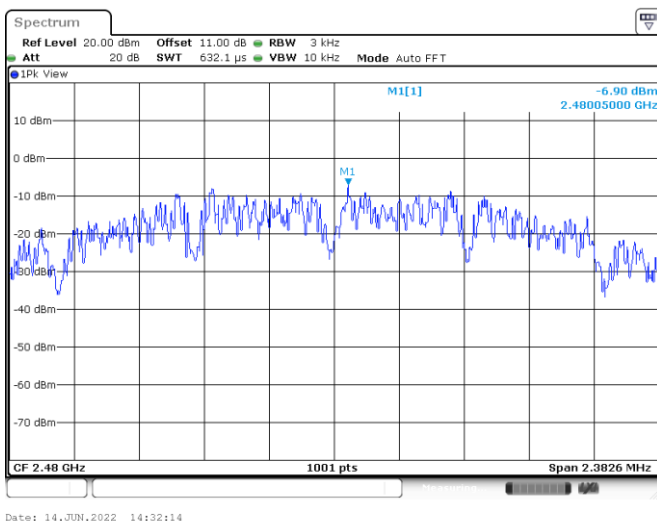
Low Channel



Middle Channel

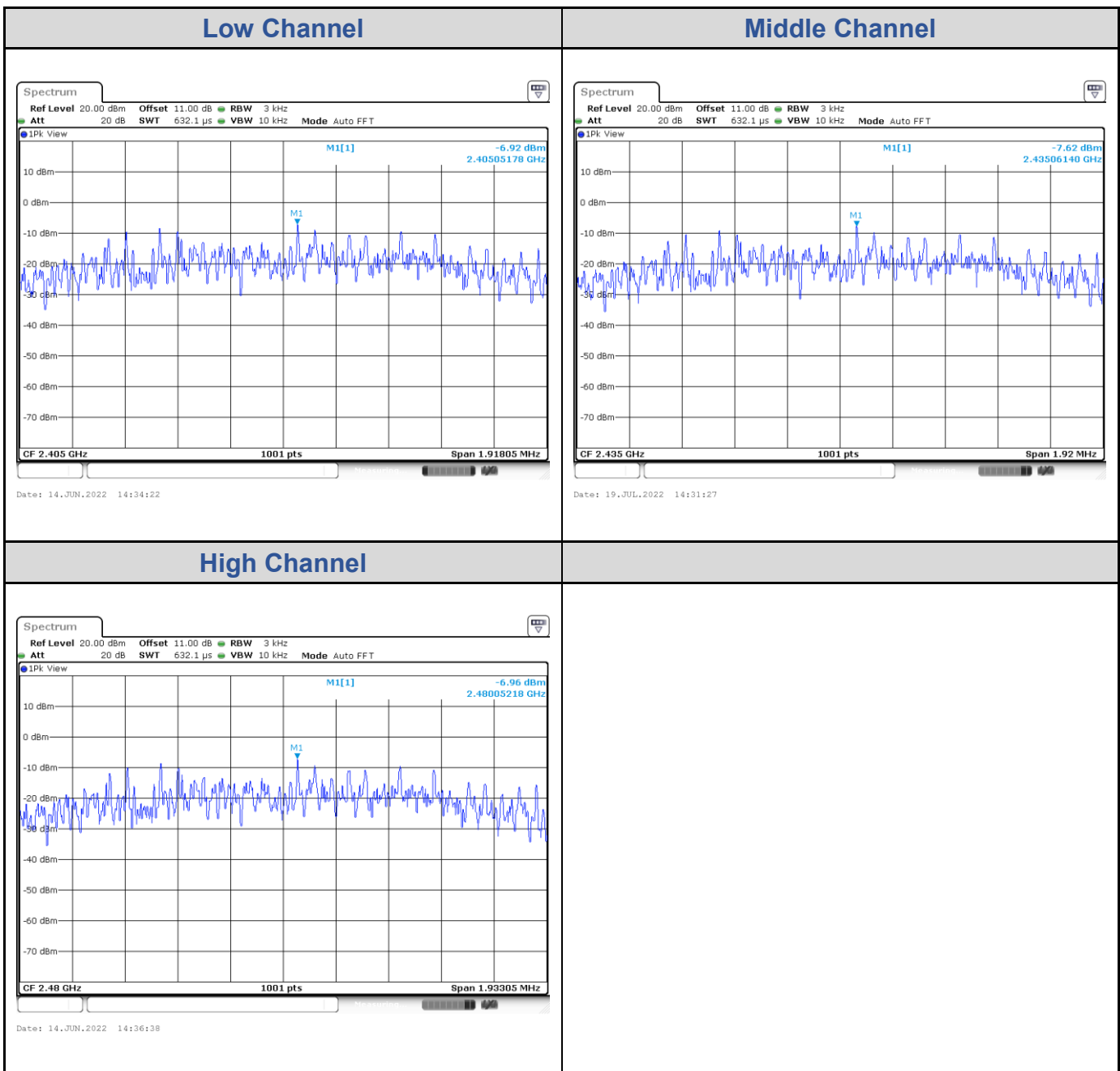


High Channel



Zigbee_2Mbps

Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2405	-6.92	8	Pass
Middle Channel	2435	-7.62	8	Pass
High Channel	2480	-6.96	8	Pass

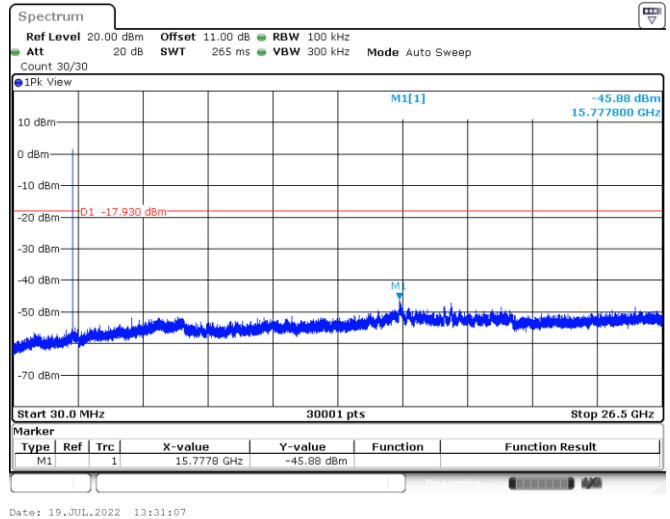
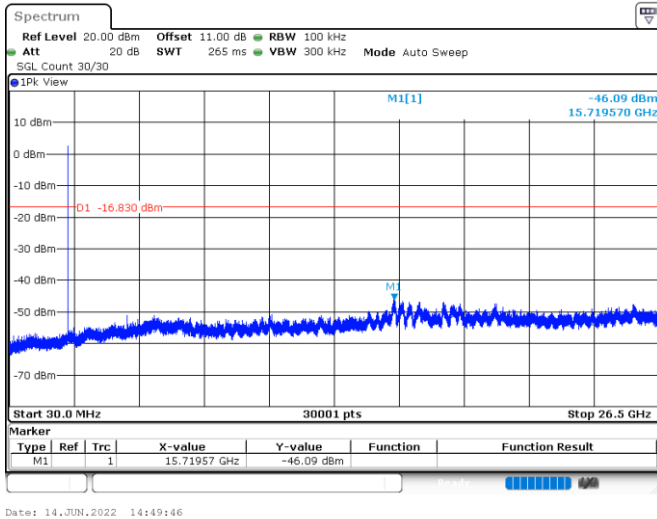


Test Result of Conducted Spurious Emissions, Tx Mode

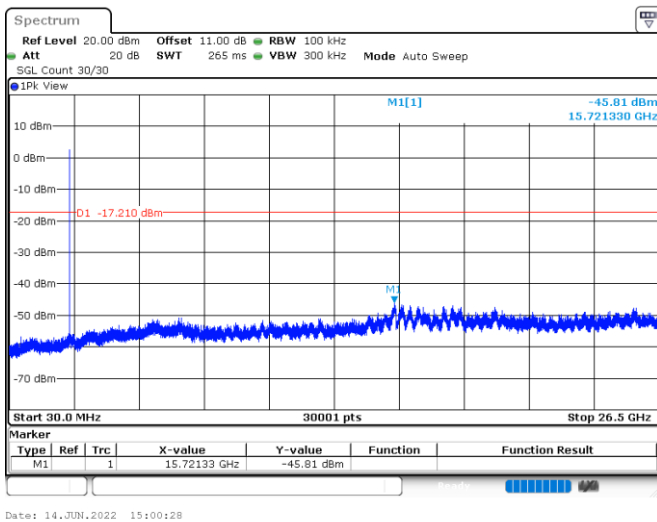
Zigbee_250kHz

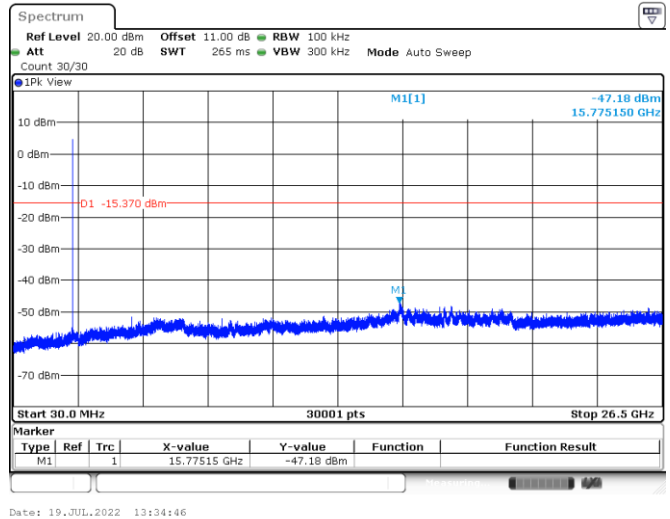
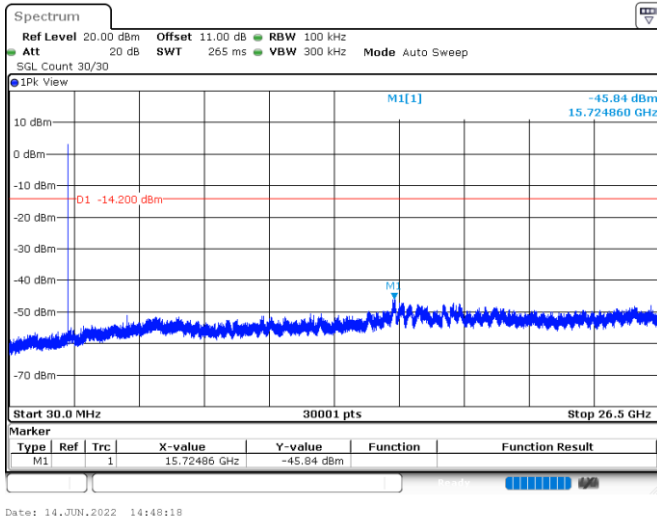
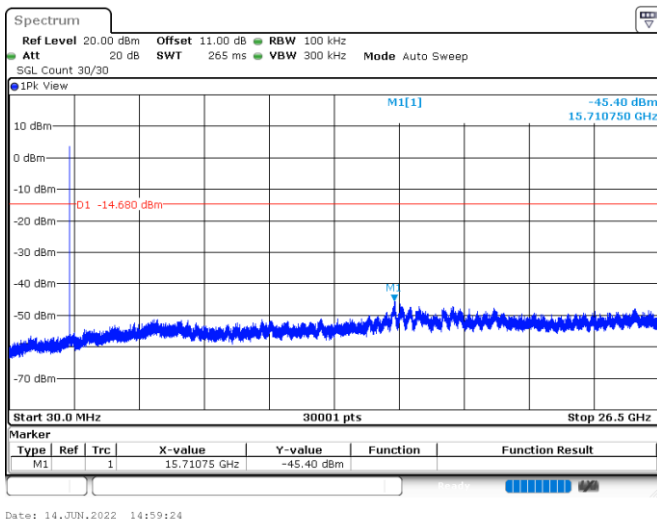
Low Channel

Middle Channel



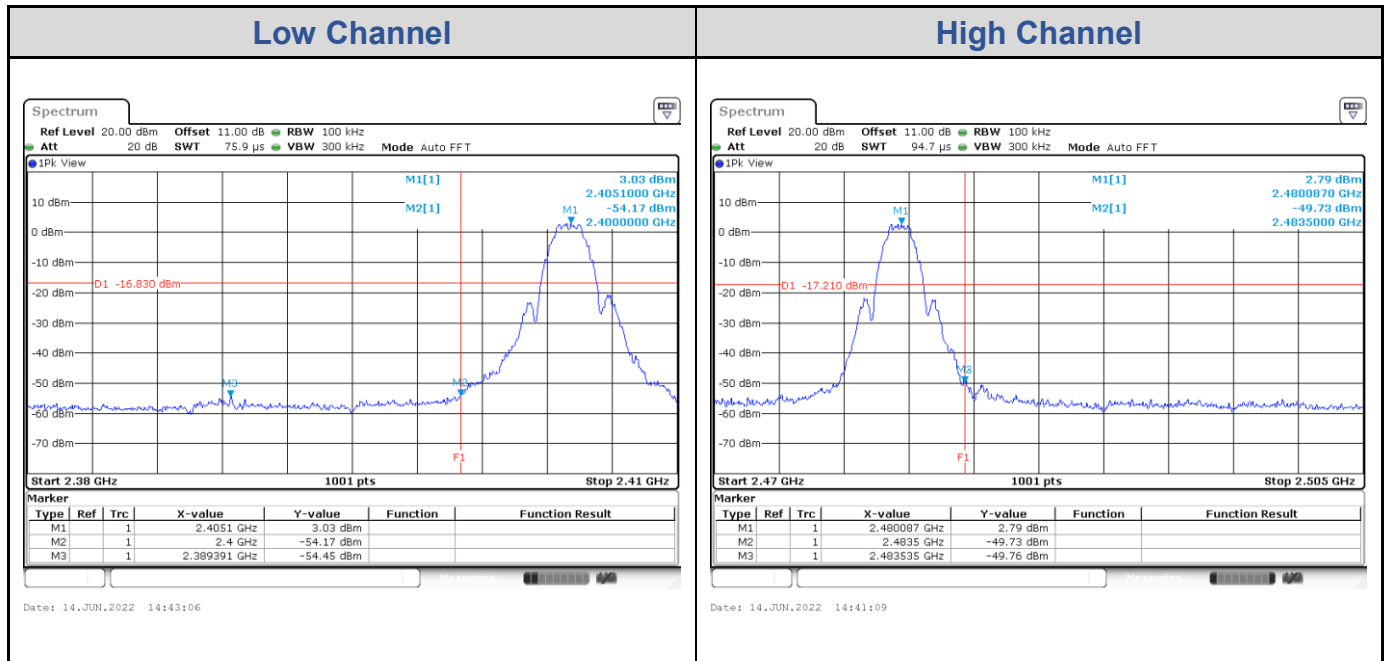
High Channel



Zigbee_2Mbps
Low Channel
Middle Channel

High Channel


Test Result of Conducted Band Edge, Tx Mode

Zigbee_250kHz



Zigbee_2Mbps

