

Appendix A: Test Results of Conducted Test for LPA Mode by UFL

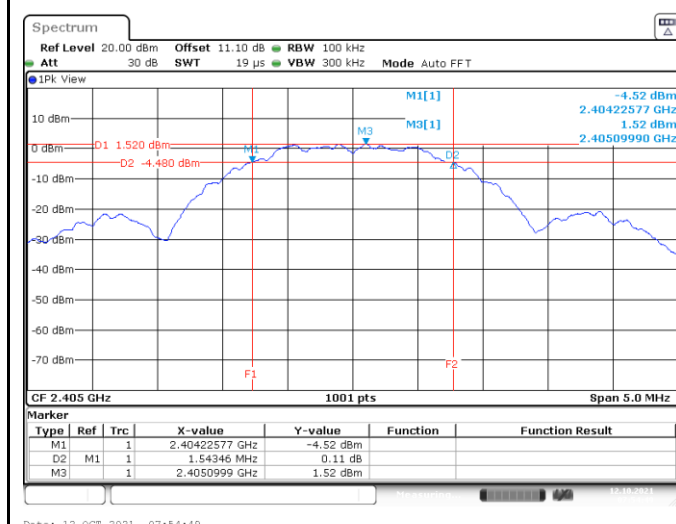
Antenna

Test Result of 6 dB Bandwidth

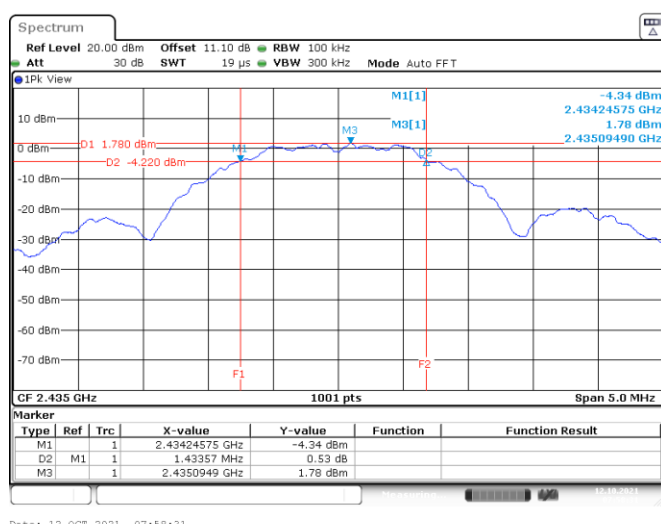
Zigbee_250kHz

Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2405	1543.46	> 500	Pass
Middle Channel	2435	1433.57	> 500	Pass
High Channel	2480	1458.54	> 500	Pass

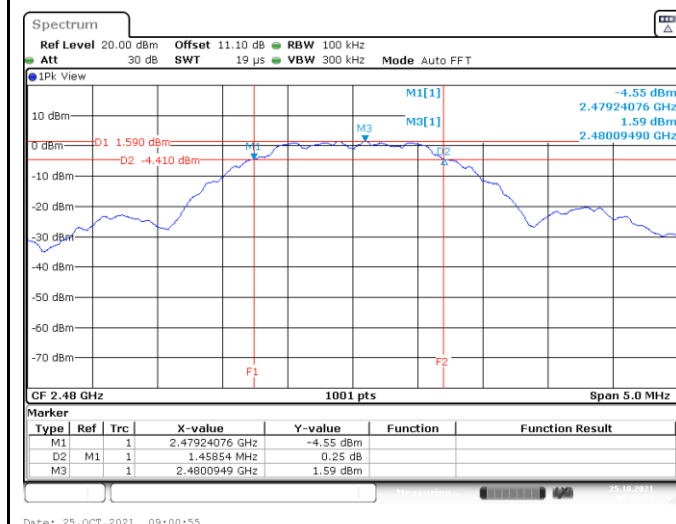
Low Channel



Middle Channel

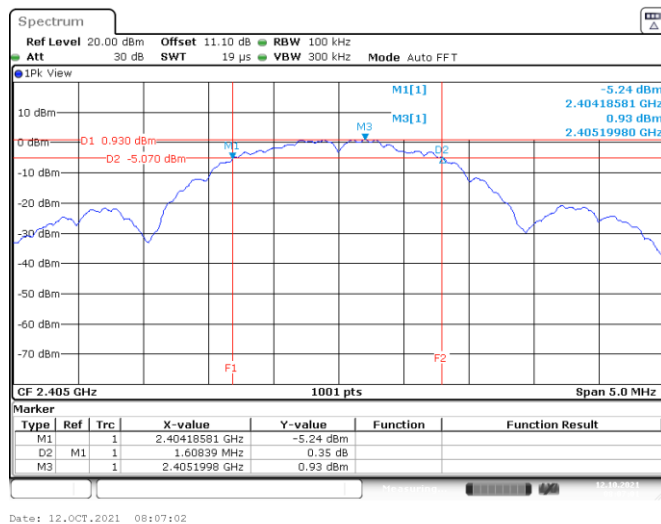
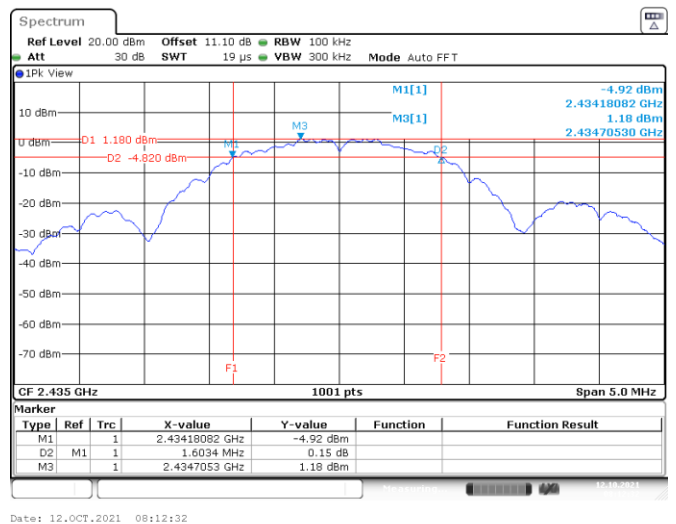
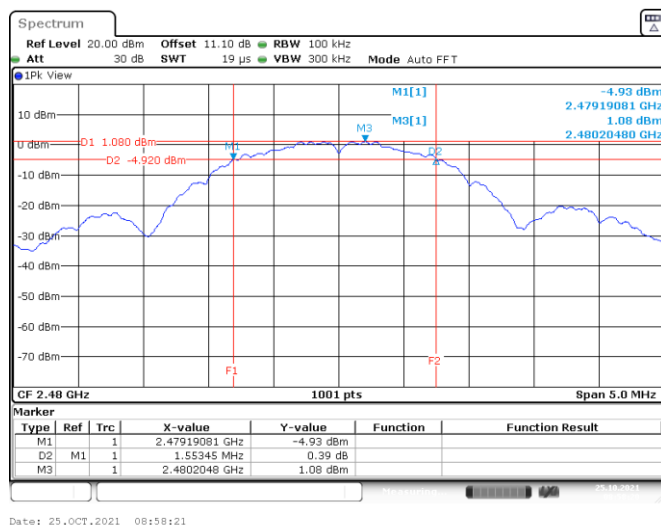


High Channel



Zigbee_1Mbps

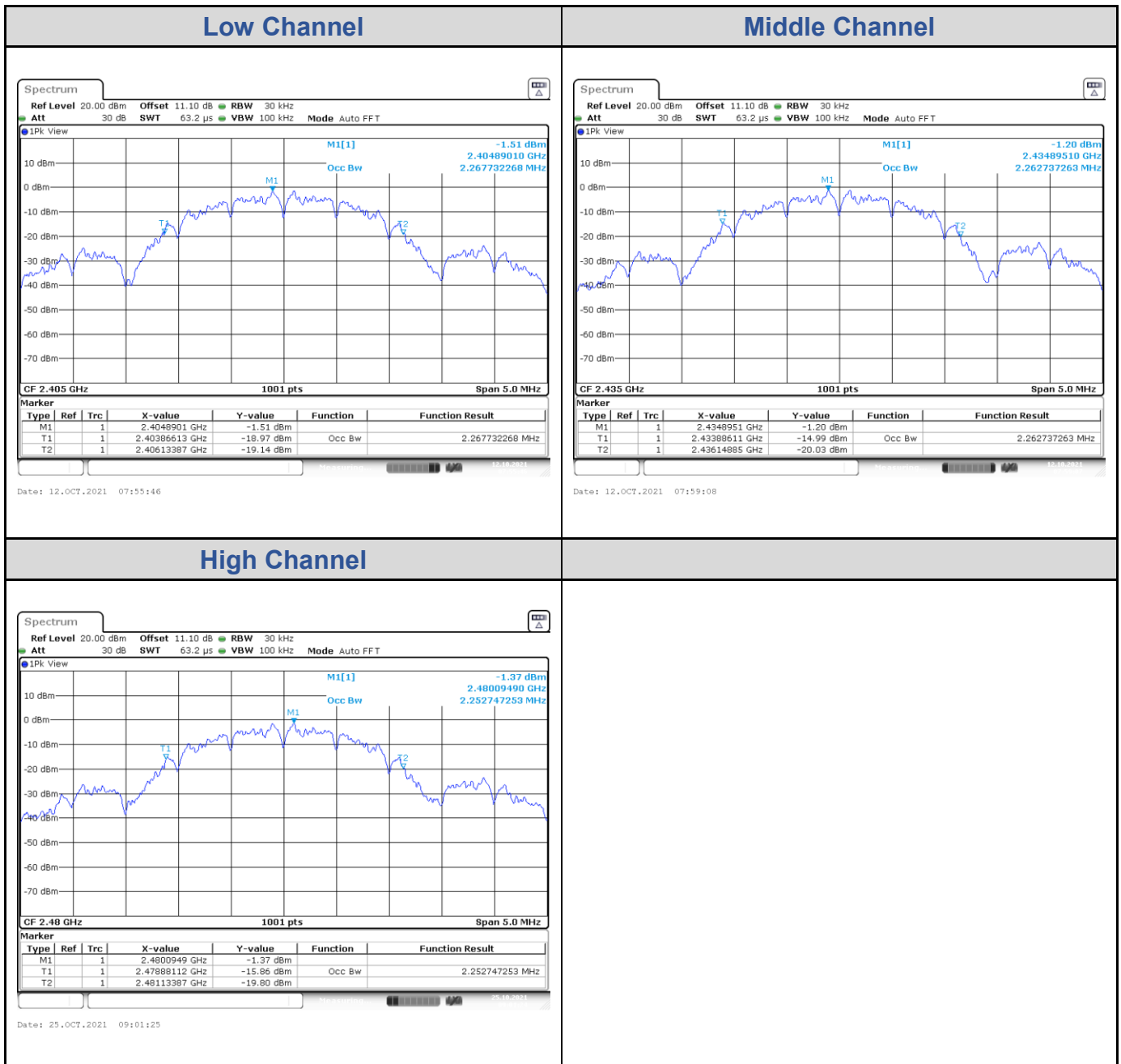
Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2405	1608.39	> 500	Pass
Middle Channel	2435	1603.40	> 500	Pass
High Channel	2480	1553.45	> 500	Pass

Low Channel

Middle Channel

High Channel


Test Result of 99% Occupied Bandwidth

Zigbee_250kHz

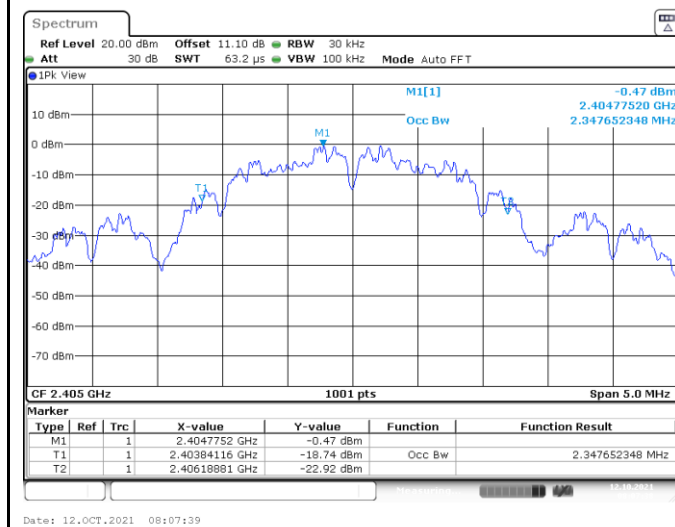
Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2405	2.27
Middle Channel	2435	2.26
High Channel	2480	2.25



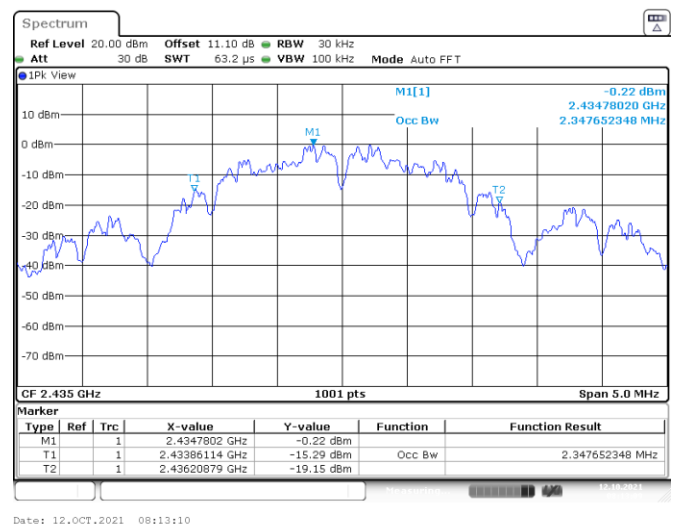
Zigbee_1Mbps

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2405	2.35
Middle Channel	2435	2.35
High Channel	2480	2.32

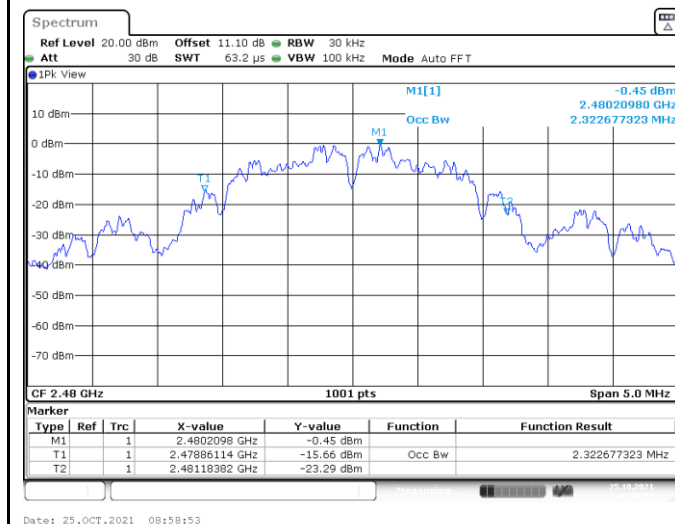
Low Channel



Middle Channel



High Channel

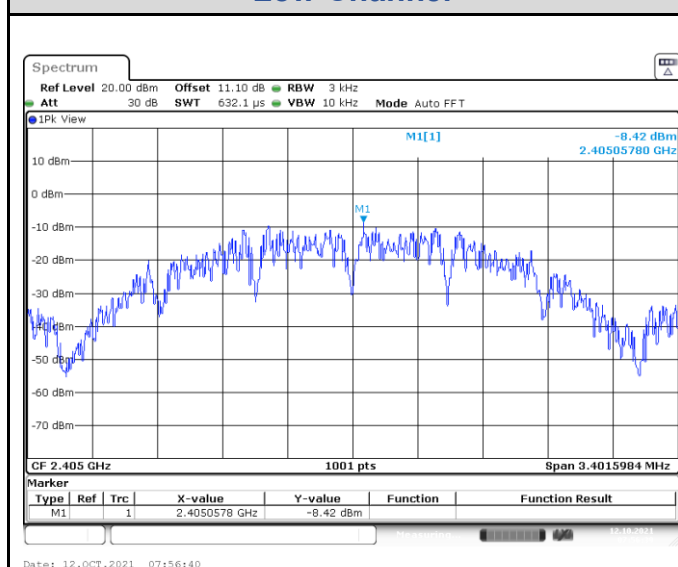


Test Result of Power Spectral Density

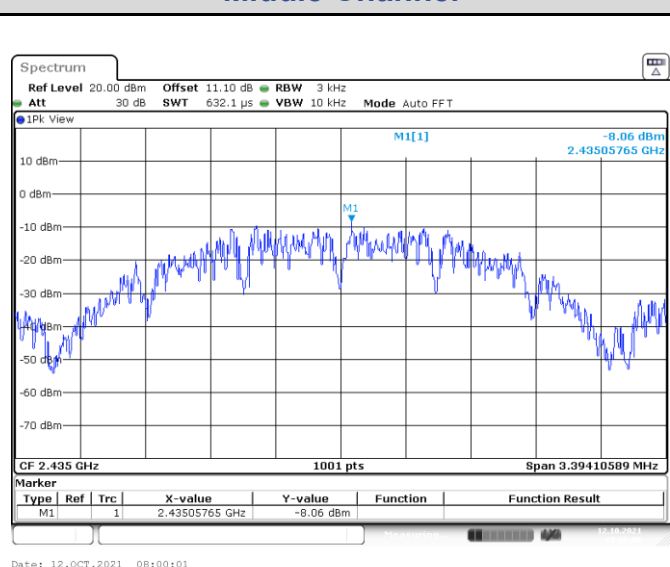
Zigbee_250kHz

Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2405	-8.42	8	Pass
Middle Channel	2435	-8.06	8	Pass
High Channel	2480	-8.04	8	Pass

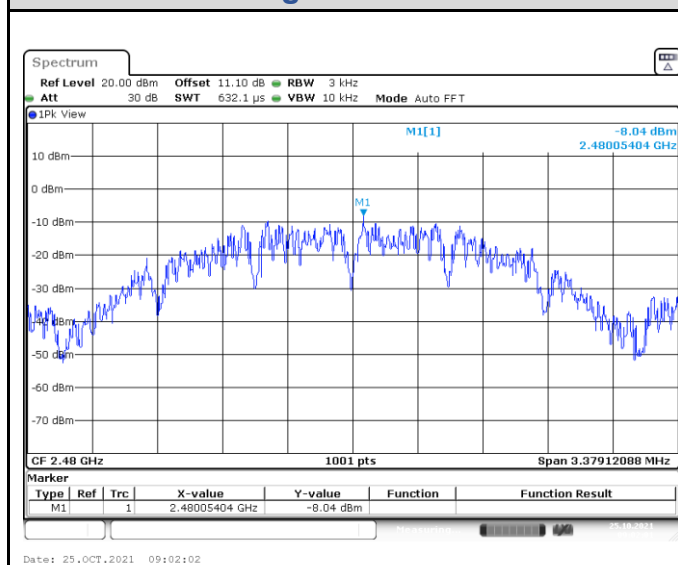
Low Channel



Middle Channel

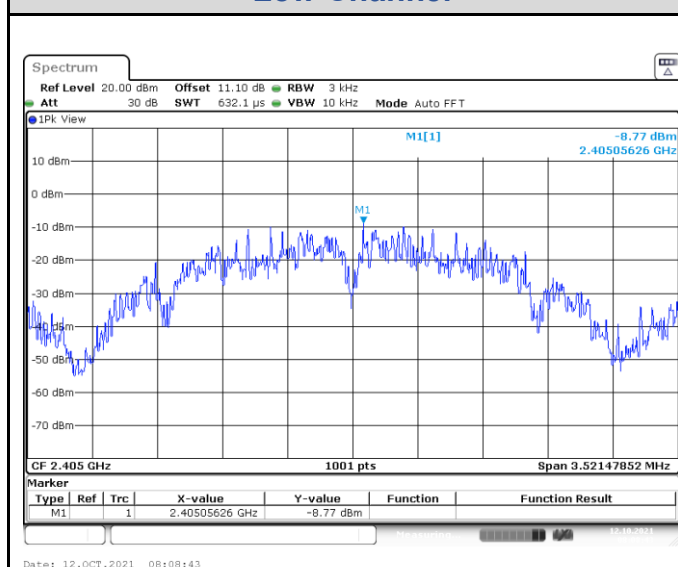
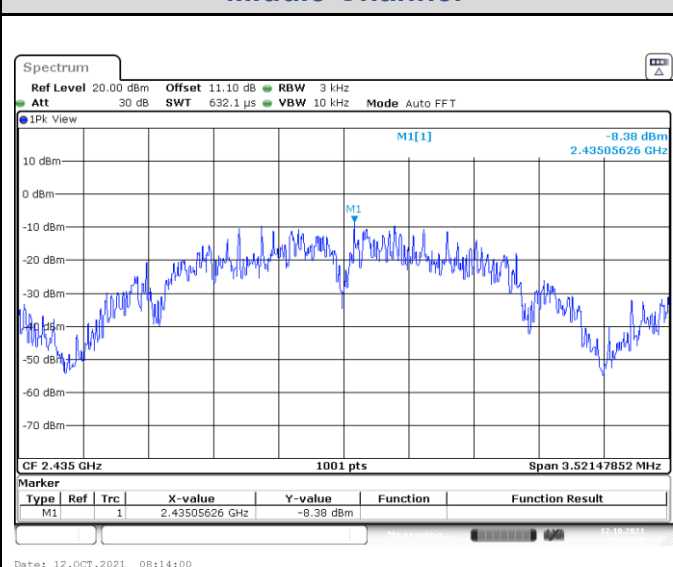
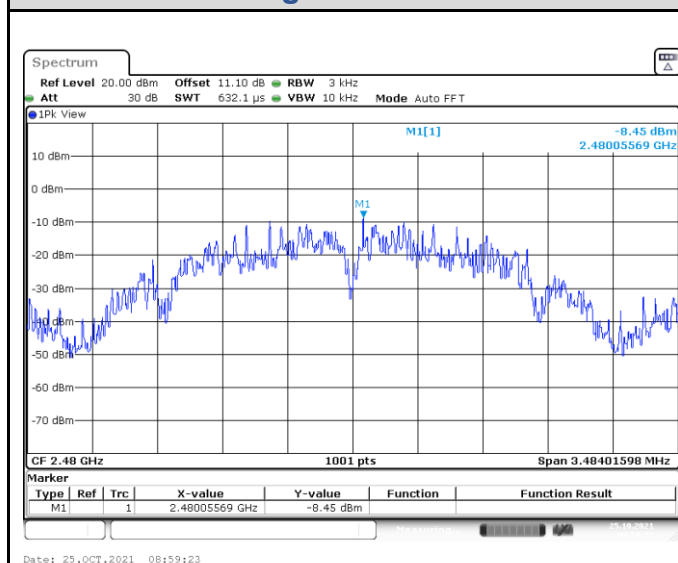


High Channel



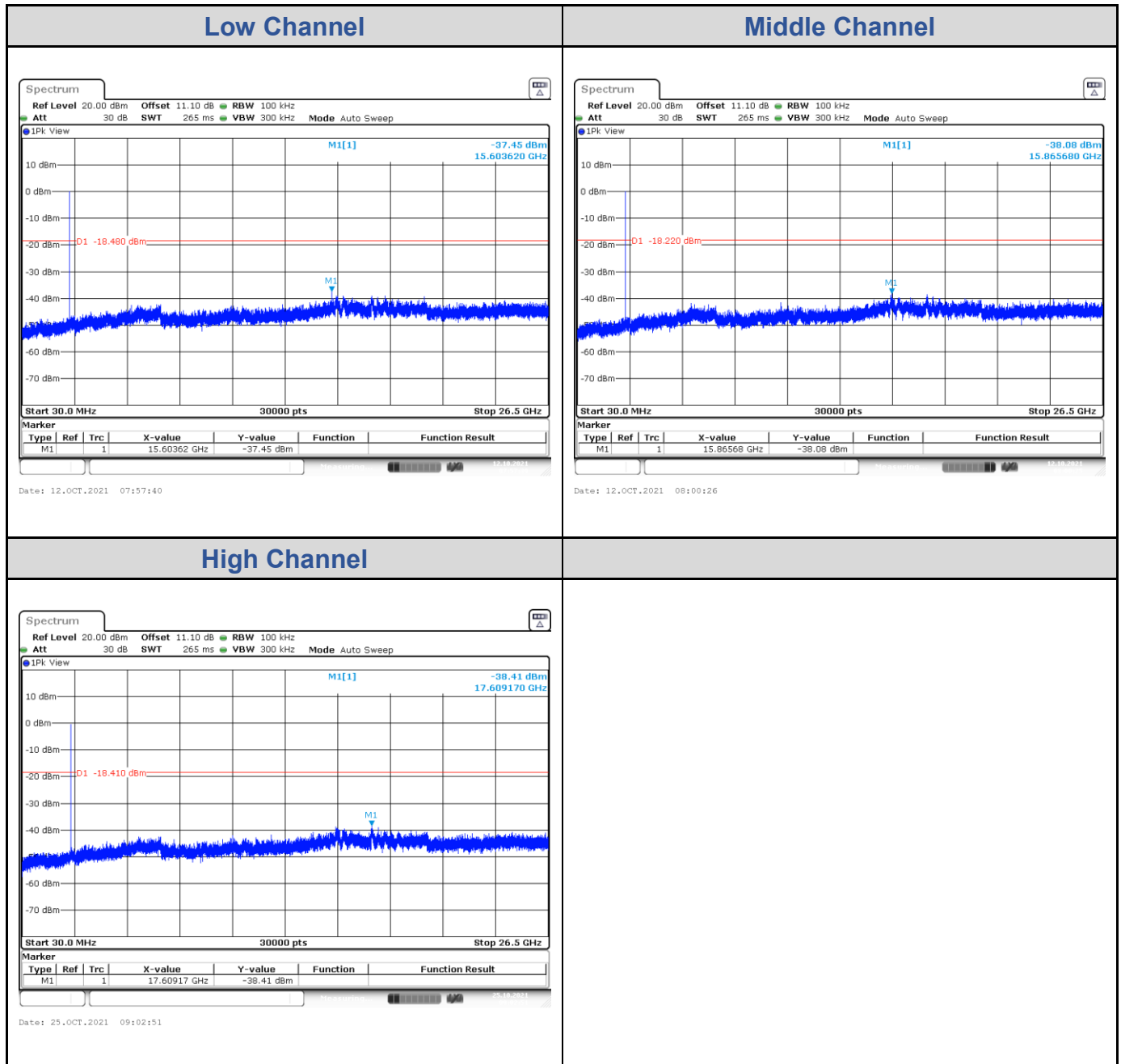
Zigbee_1Mbps

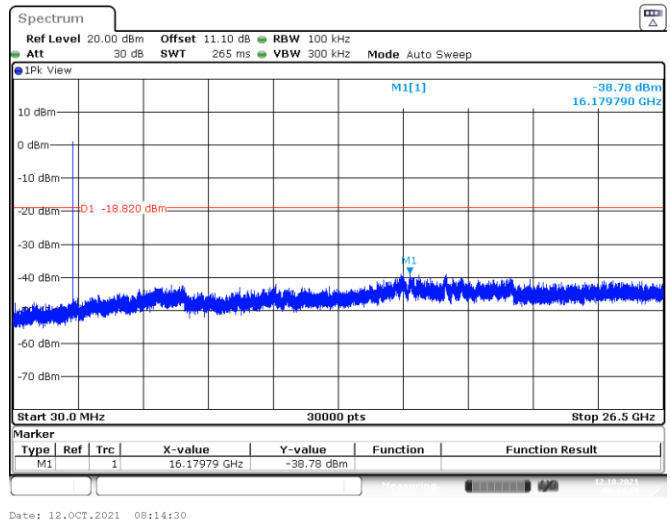
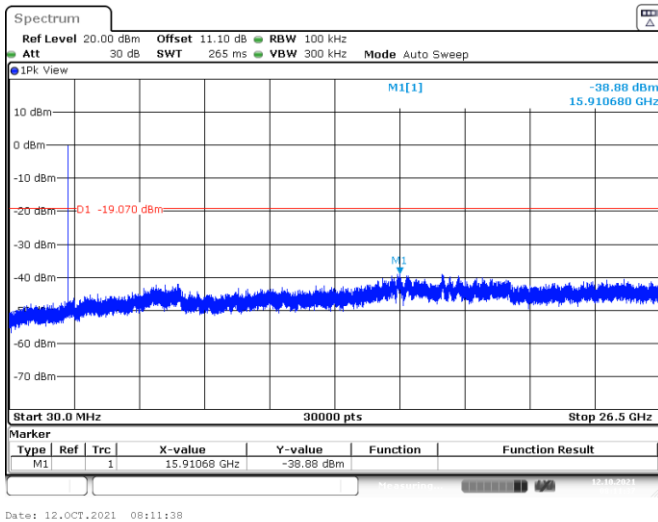
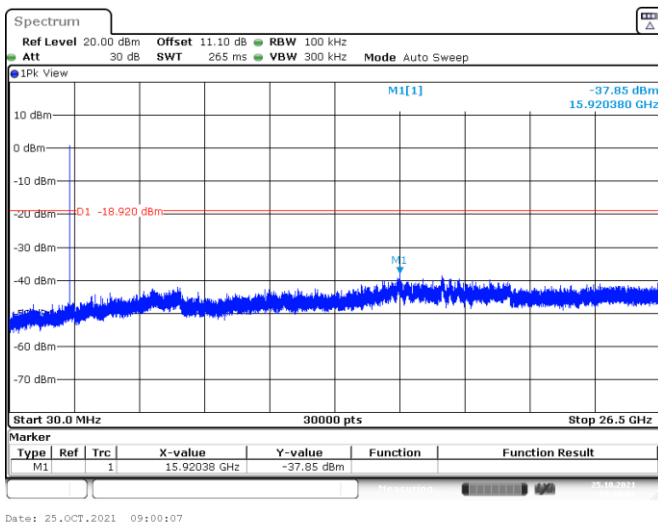
Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2405	-8.77	8	Pass
Middle Channel	2435	-8.38	8	Pass
High Channel	2480	-8.45	8	Pass

Low Channel

Middle Channel

High Channel


Test Result of Conducted Spurious Emissions, Tx Mode

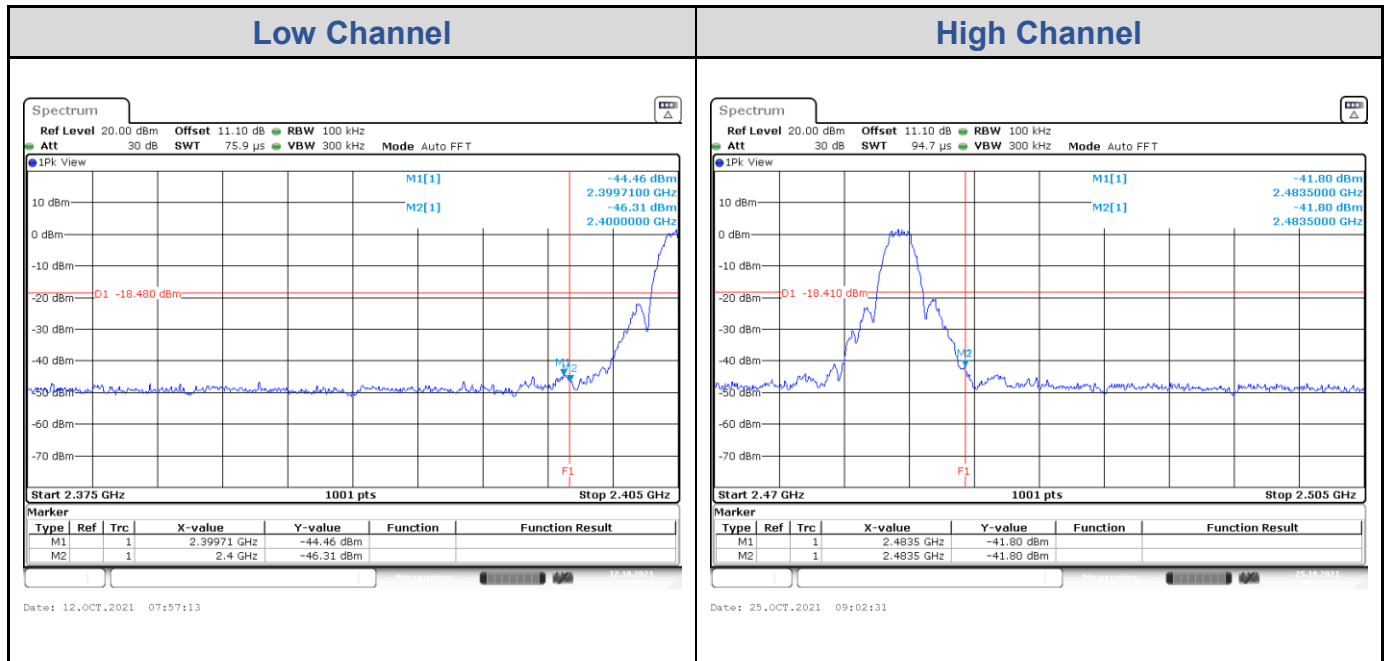
Zigbee_250kHz



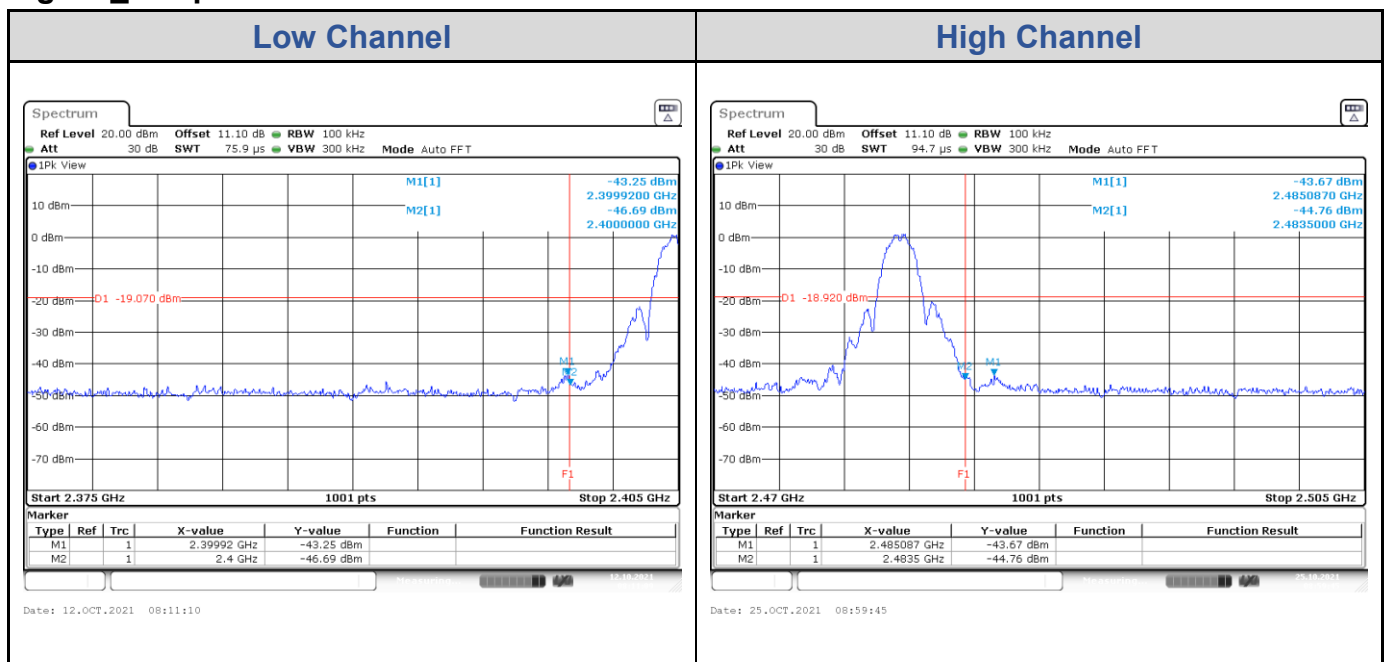
Zigbee_1Mbps
Low Channel
Middle Channel

High Channel


Test Result of Conducted Band Edge, Tx Mode

Zigbee_250kHz



Zigbee_1Mbps



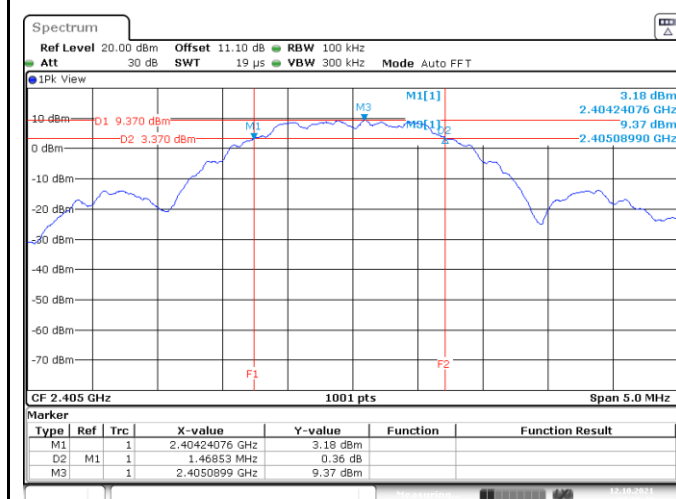
Test Results of Conducted Test for MPA Mode by UFL Antenna

Test Result of 6 dB Bandwidth

Zigbee_250kHz

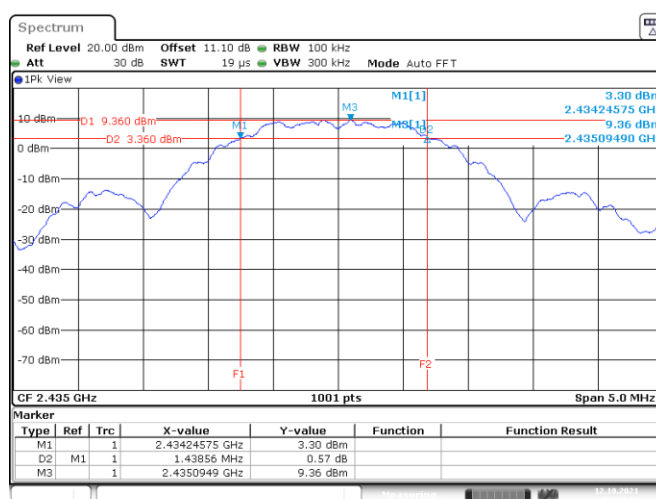
Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2405	1468.53	> 500	Pass
Middle Channel	2435	1438.56	> 500	Pass
High Channel	2480	1483.52	> 500	Pass

Low Channel



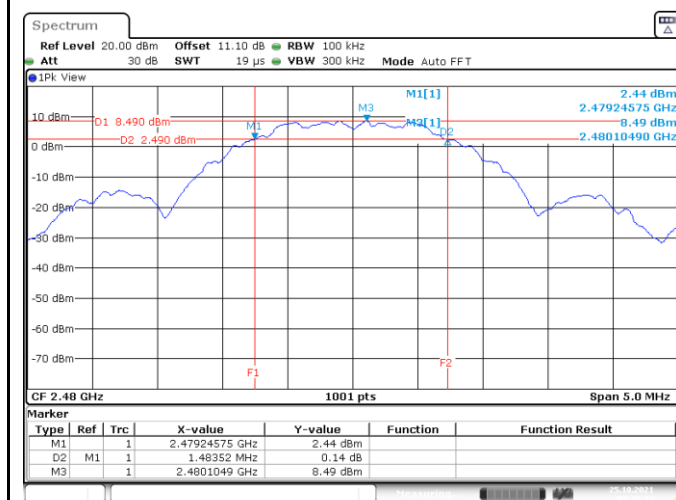
Date: 12.OCT.2021 07:19:49

Middle Channel



Date: 12.OCT.2021 07:24:17

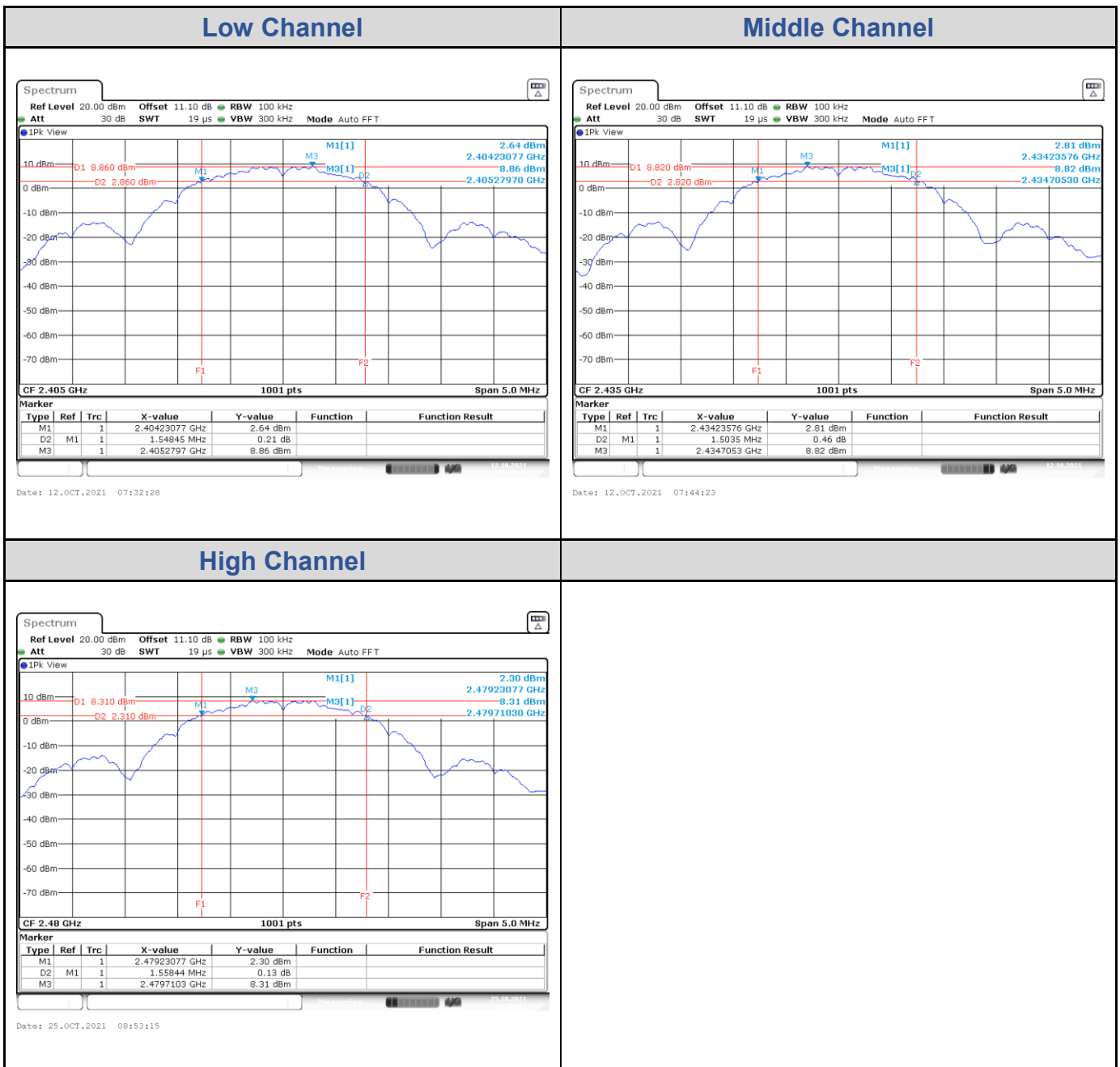
High Channel



Date: 25.OCT.2021 08:49:44

Zigbee_1Mbps

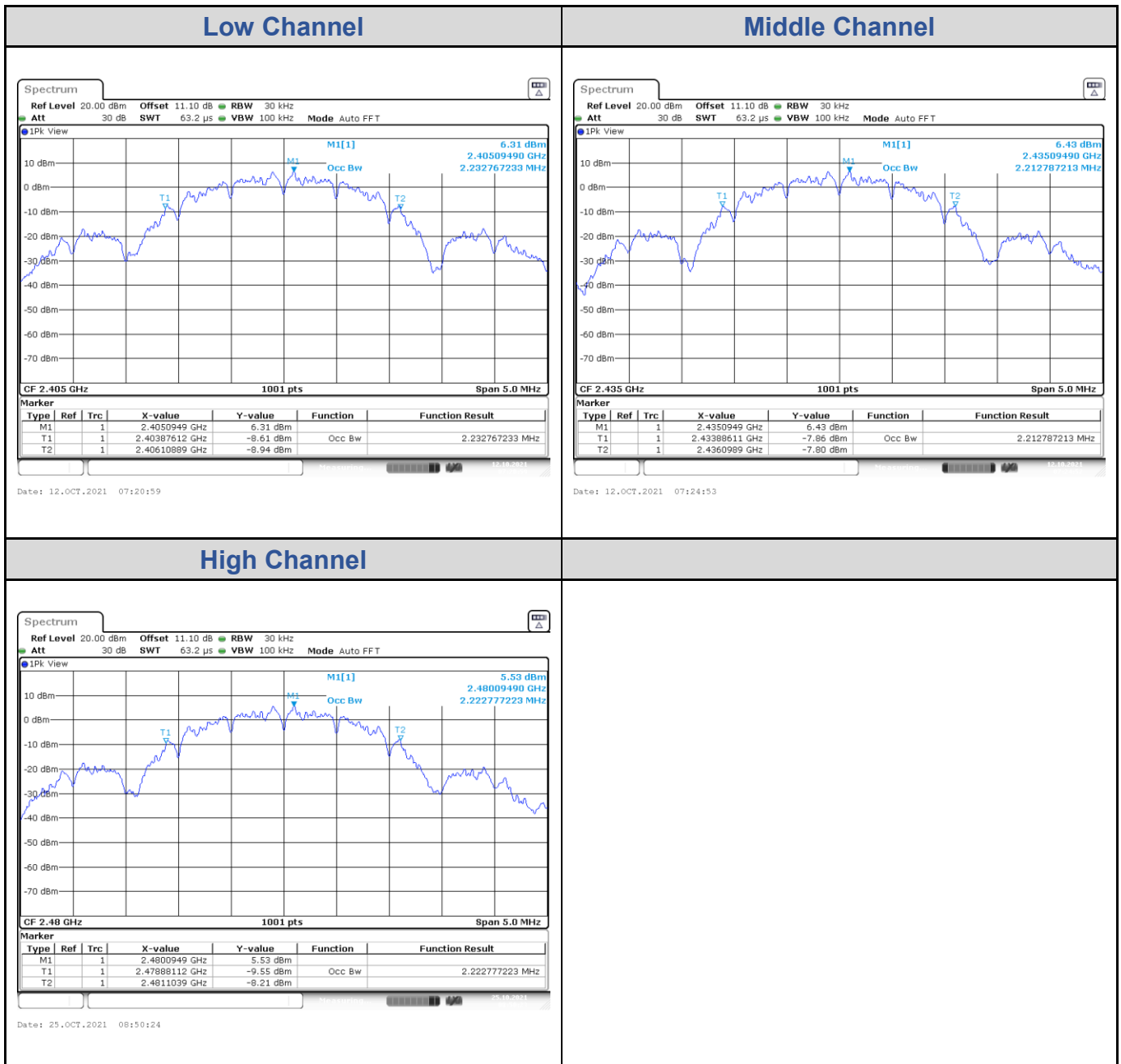
Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2405	1548.45	> 500	Pass
Middle Channel	2435	1503.50	> 500	Pass
High Channel	2480	1558.44	> 500	Pass



Test Result of 99% Occupied Bandwidth

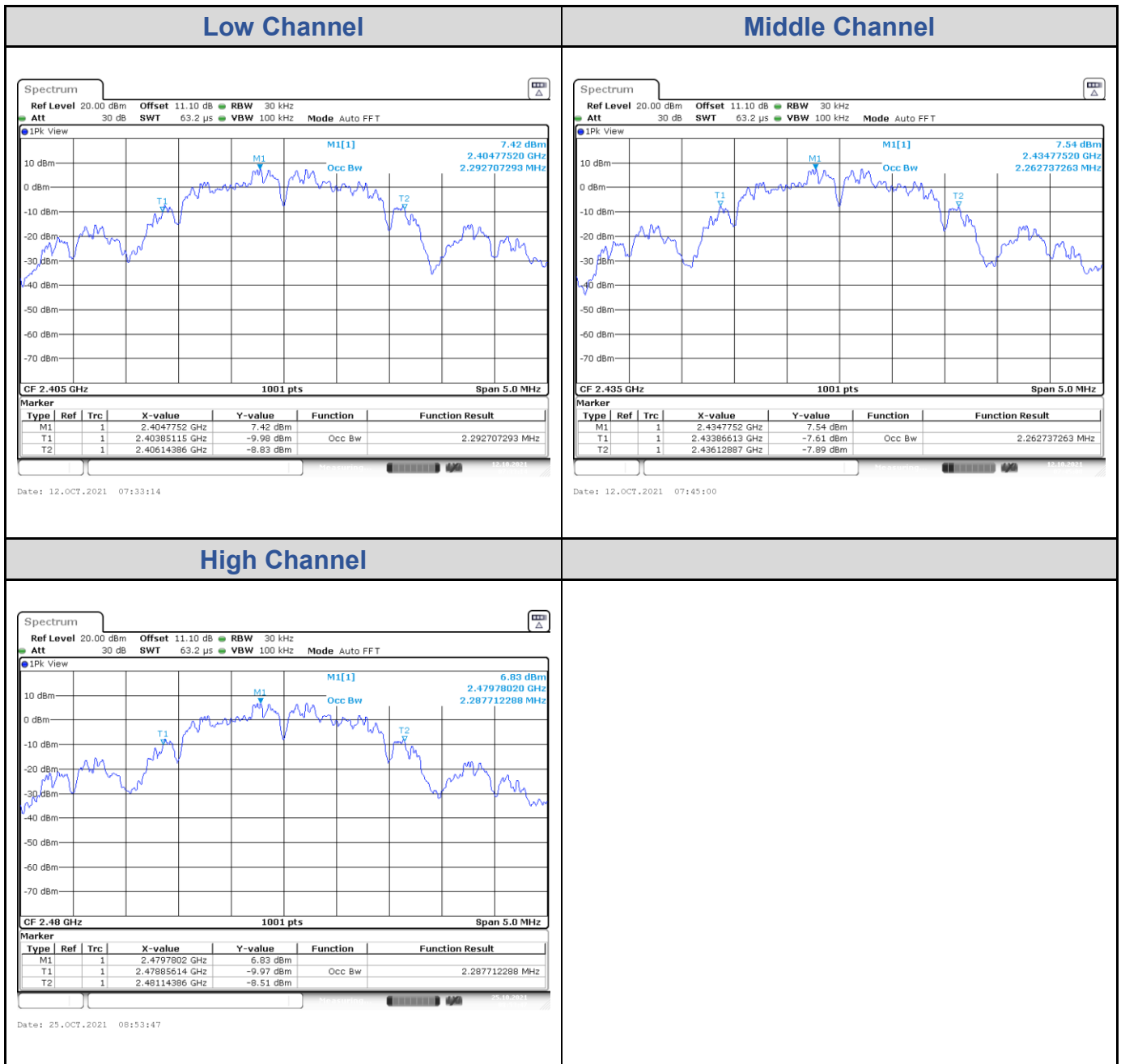
Zigbee_250kHz

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2405	2.23
Middle Channel	2435	2.21
High Channel	2480	2.22



Zigbee_1Mbps

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2405	2.29
Middle Channel	2435	2.26
High Channel	2480	2.29

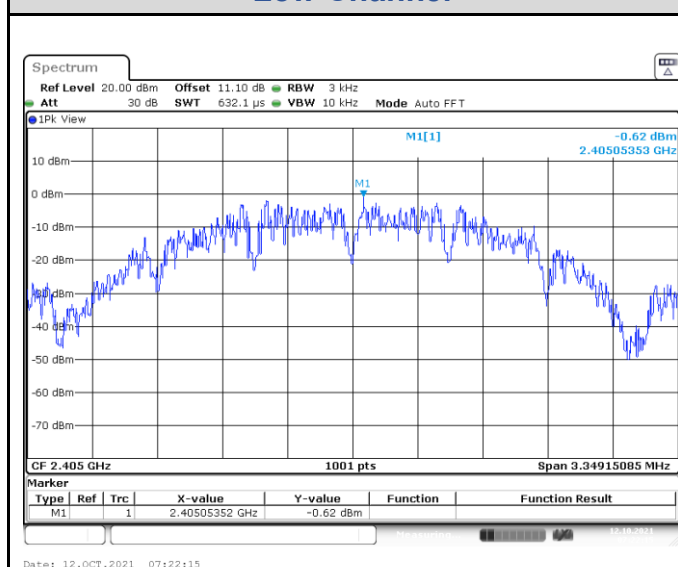


Test Result of Power Spectral Density

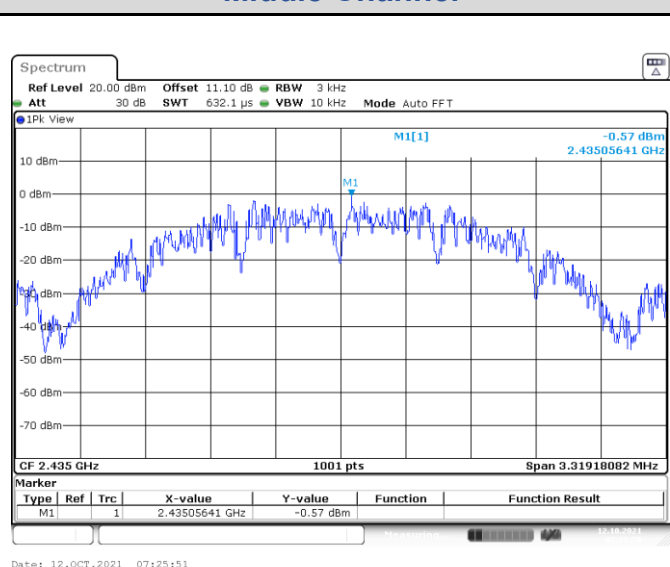
Zigbee_250kHz

Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2405	-0.62	8	Pass
Middle Channel	2435	-0.57	8	Pass
High Channel	2480	-1.38	8	Pass

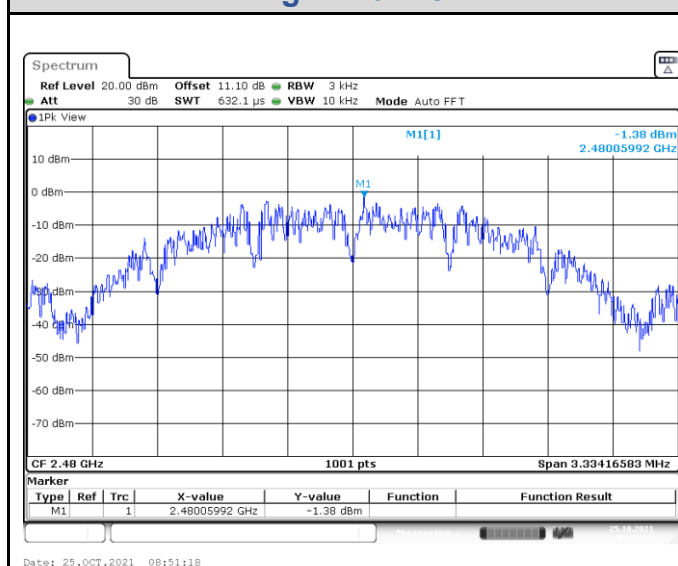
Low Channel



Middle Channel

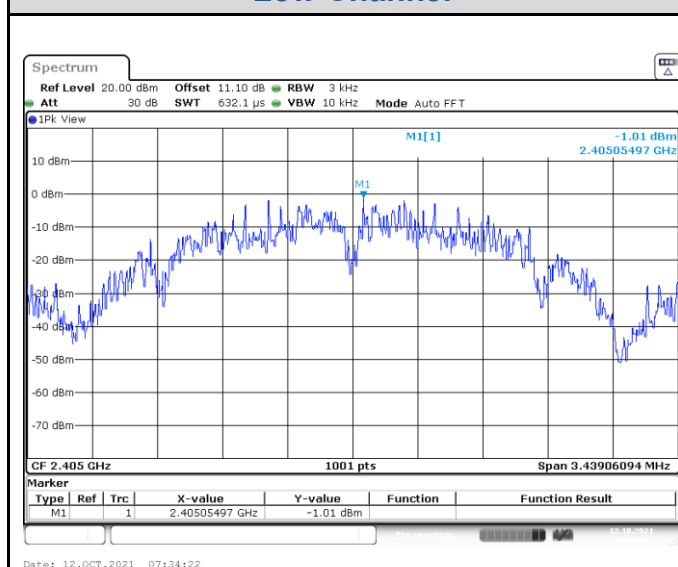
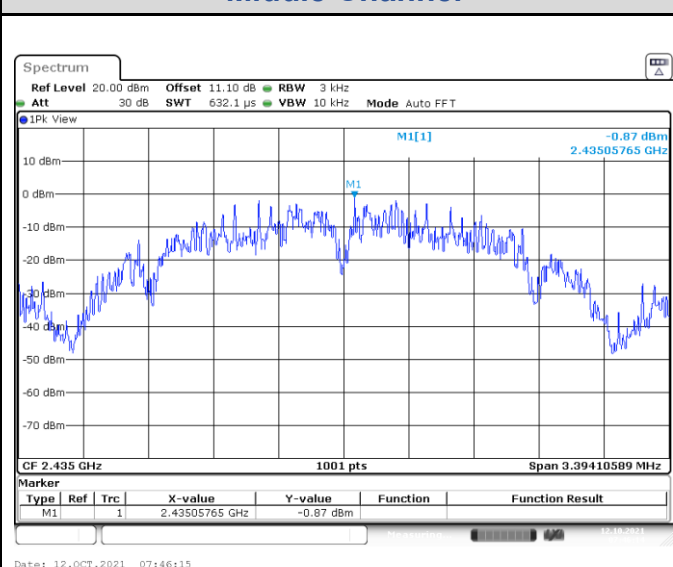
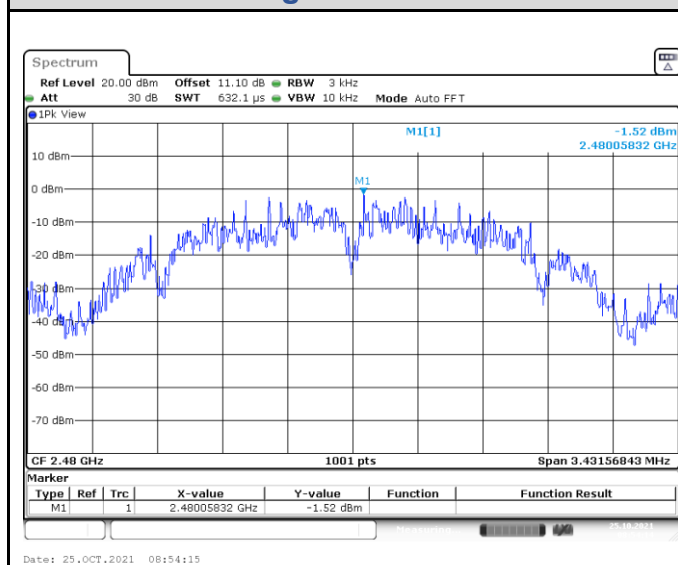


High Channel



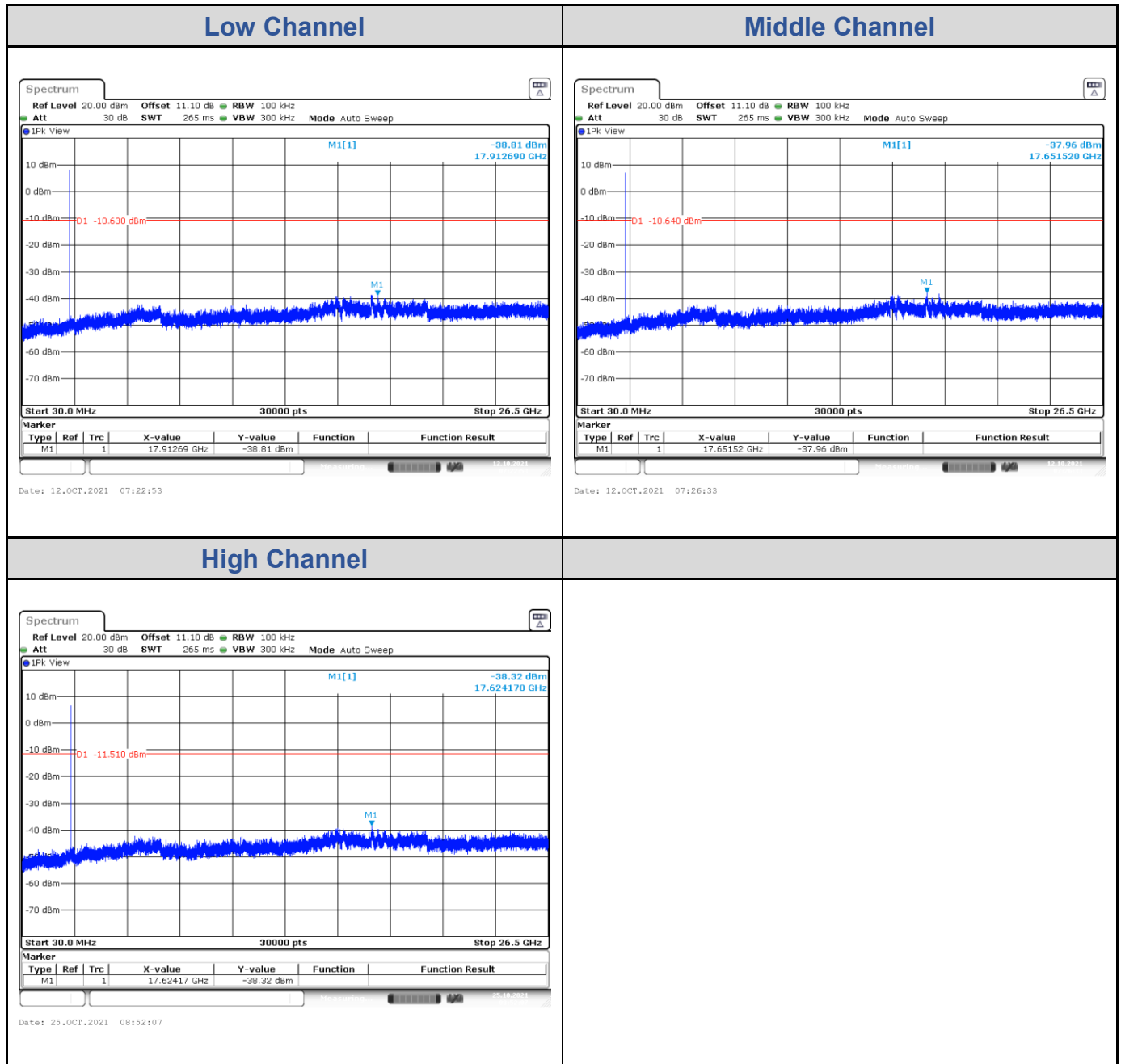
Zigbee_1Mbps

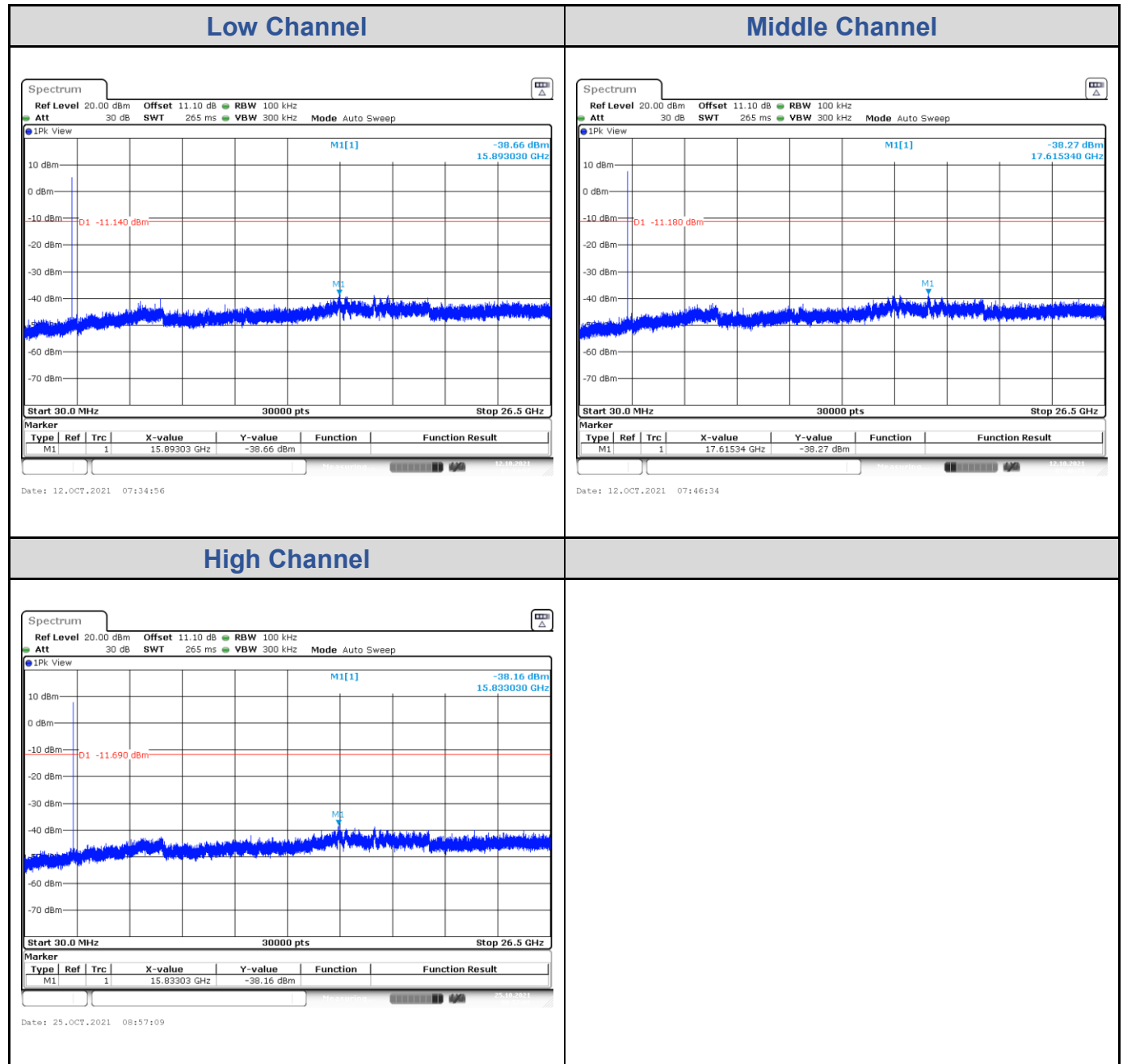
Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	2405	-1.01	8	Pass
Middle Channel	2435	-0.87	8	Pass
High Channel	2480	-1.52	8	Pass

Low Channel

Middle Channel

High Channel


Test Result of Conducted Spurious Emissions, Tx Mode

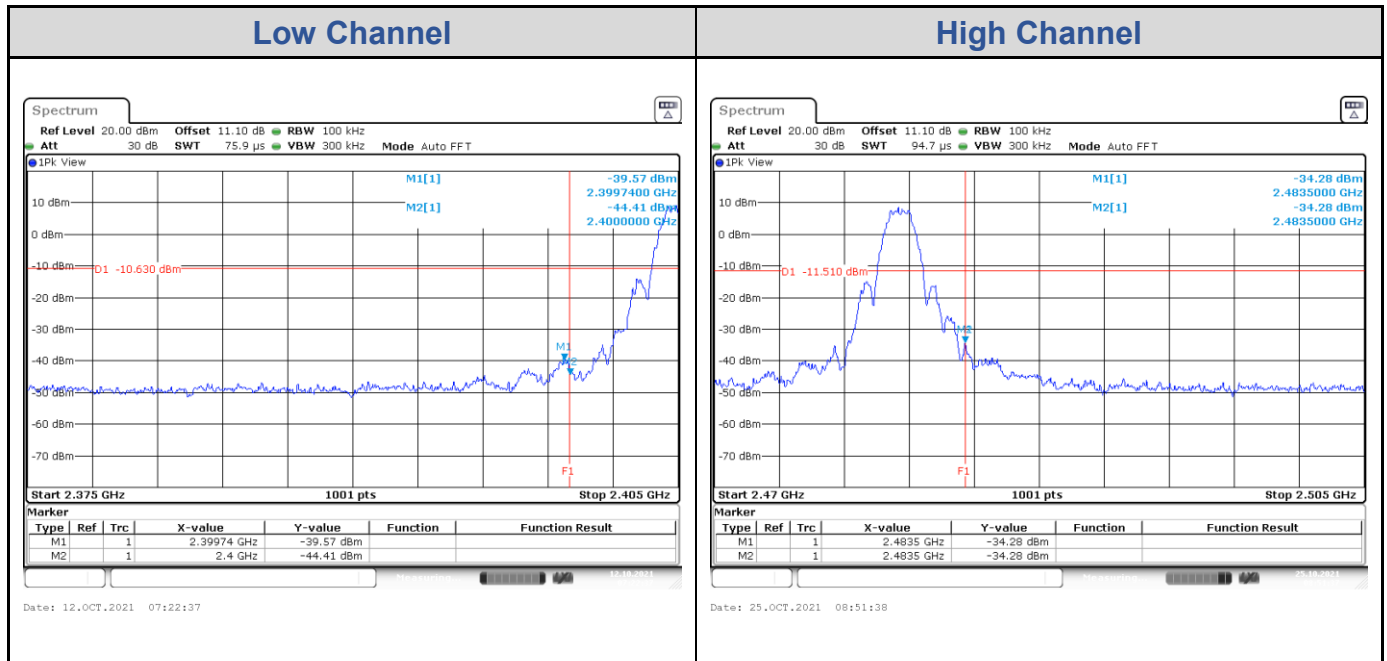
Zigbee_250kHz



Zigbee_1Mbps
Low Channel
Middle Channel


Test Result of Conducted Band Edge, Tx Mode

Zigbee_250kHz



Zigbee_1Mbps

