

7.5.3.2 Test data for Antenna 1

-. Test Date : June 20, 2016

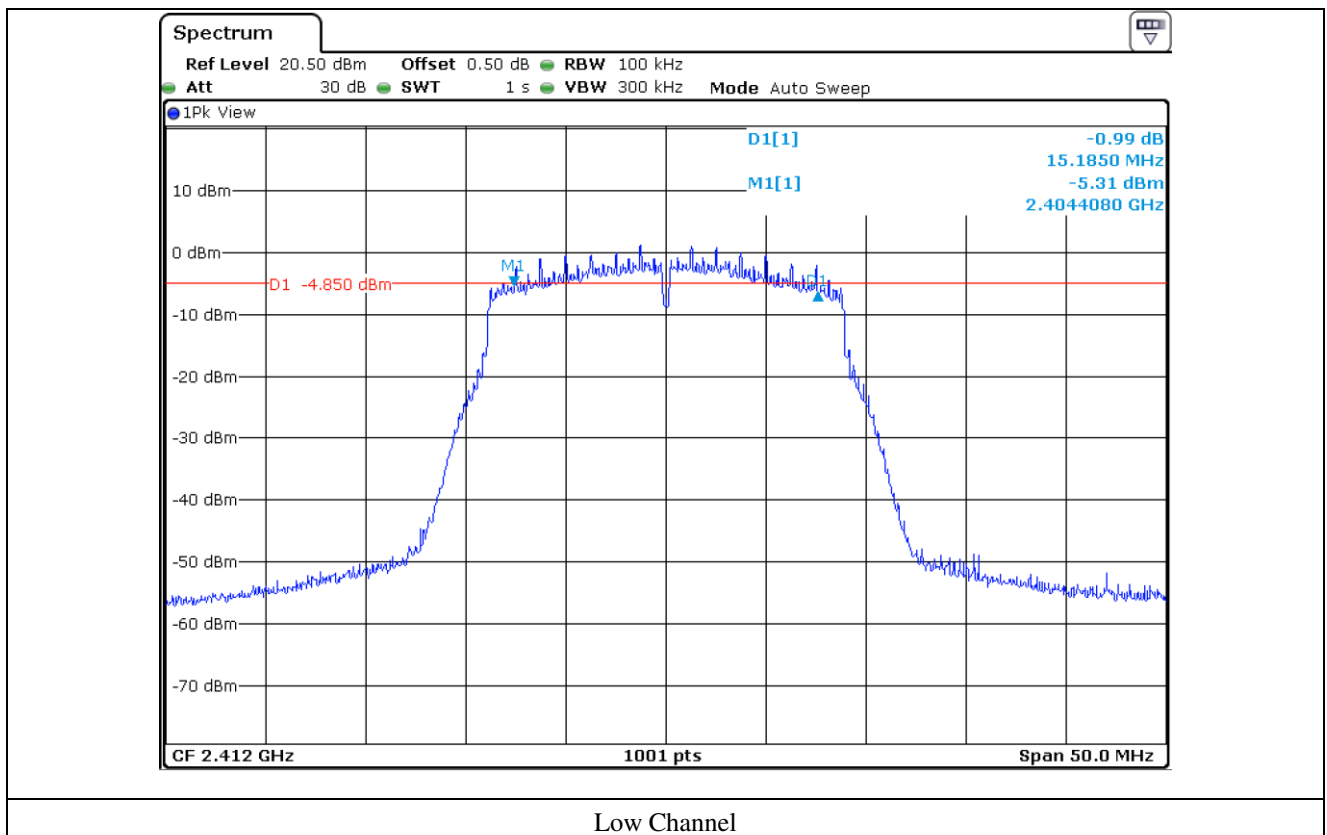
-. Test Result : Pass

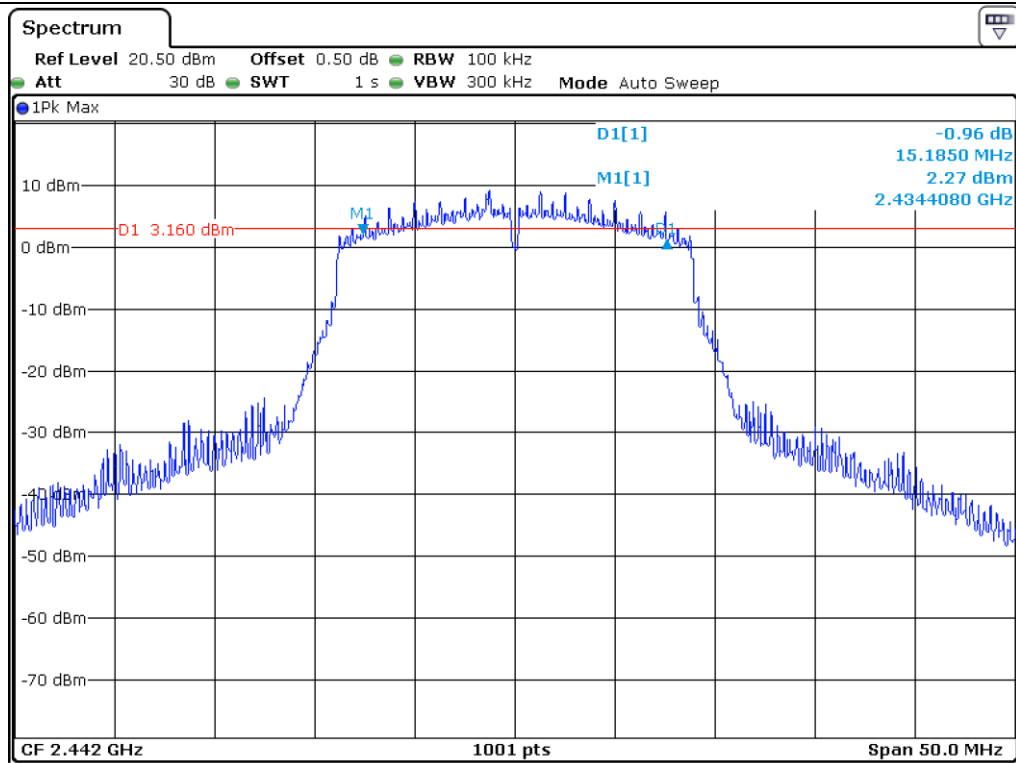
CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	LIMIT (MHz)	Margin(MHz)	
					FCC	IC
Low	2 412	15.19	17.48	0.5	14.69	16.98
Middle	2 442	15.19	17.48	0.5	14.69	16.98
High	2 462	15.19	17.48	0.5	14.69	16.98

Remark. Margin = Measured Value - Limit

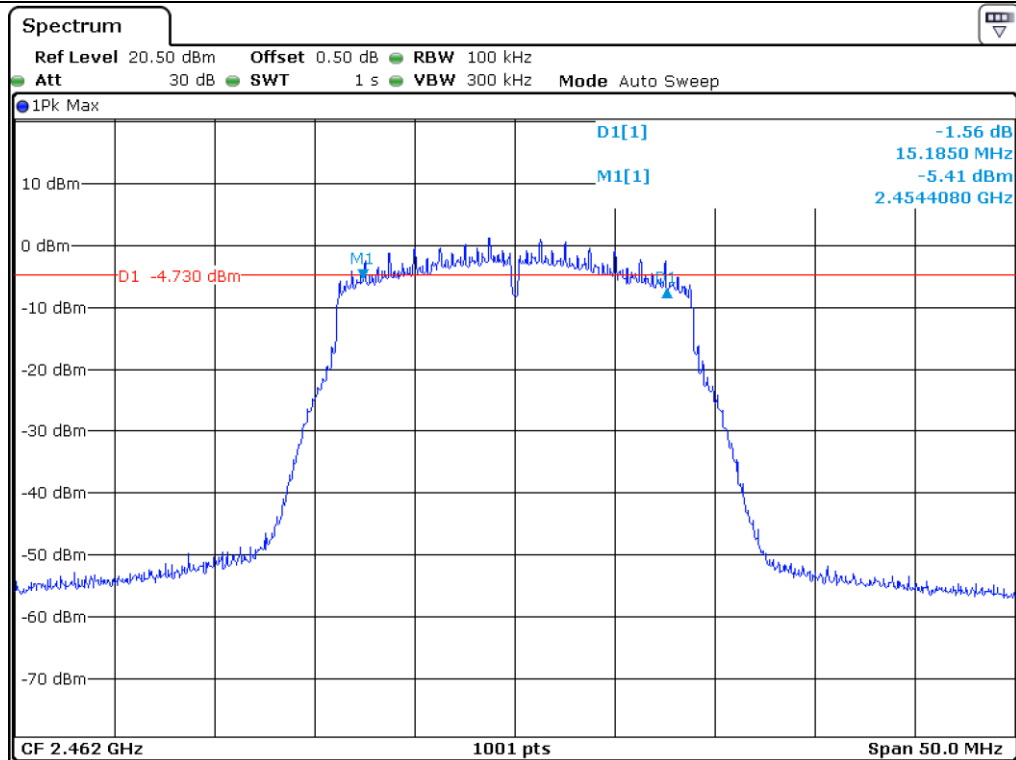


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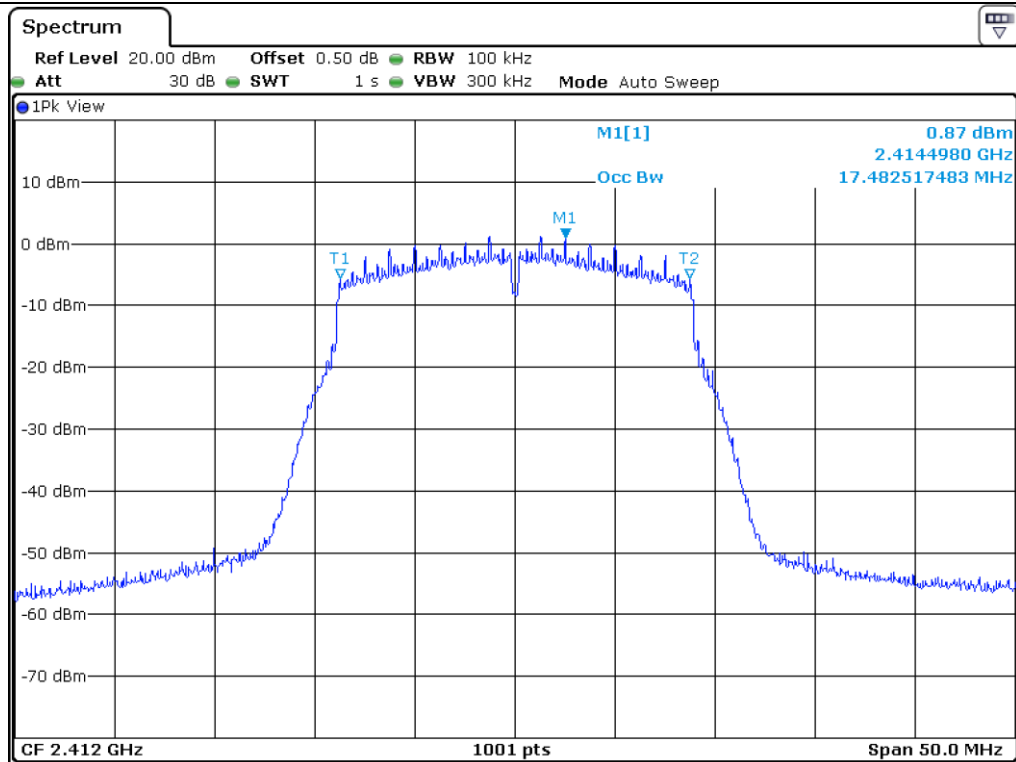




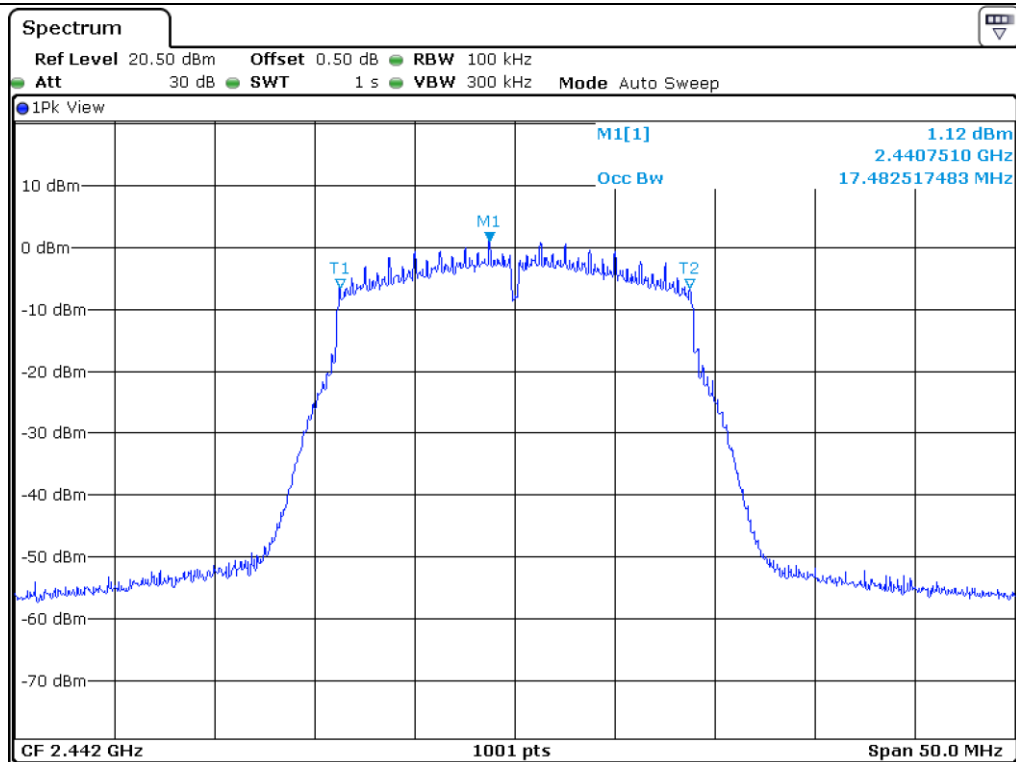
Middle Channel



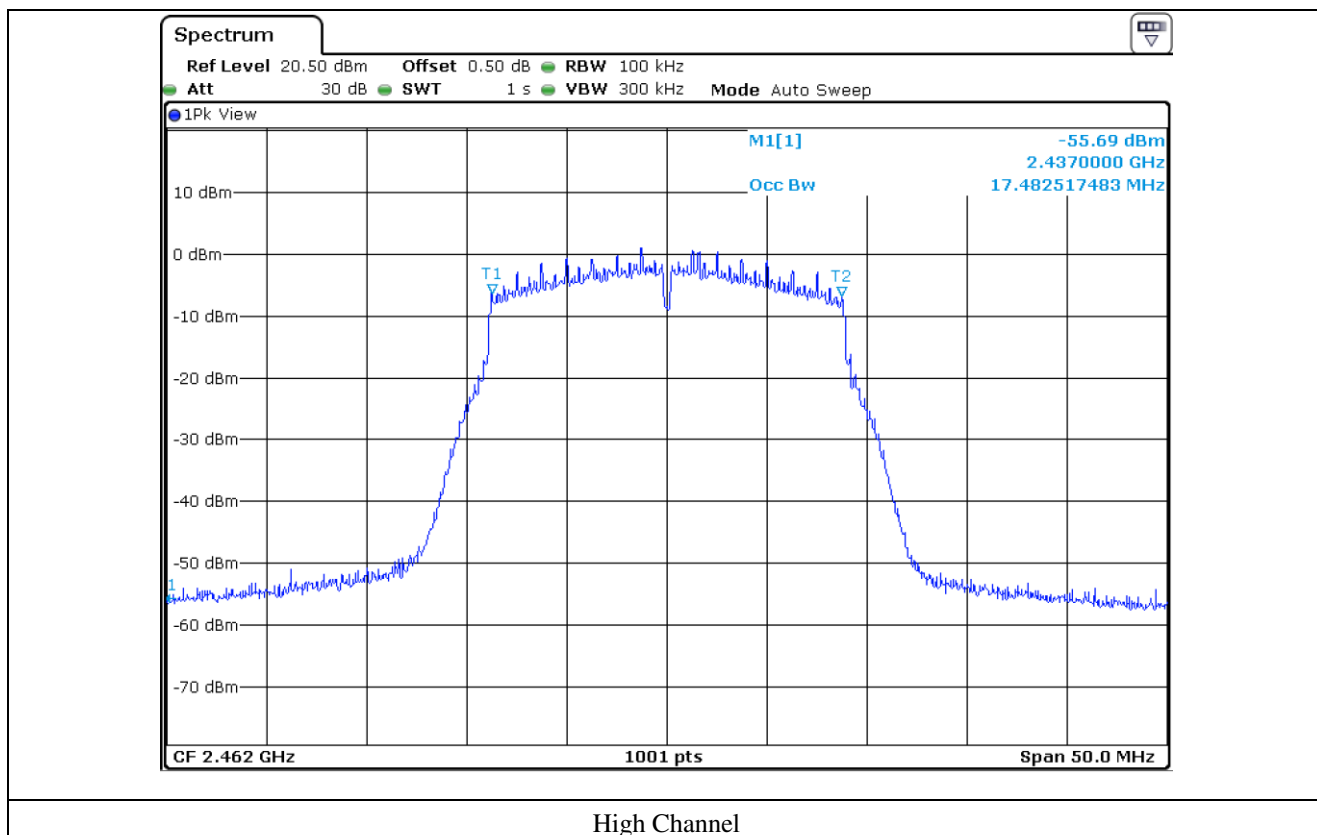
High Channel



Low Channel



Middle Channel



7.5.3.3 Test data for Antenna 2

-. Test Date : June 20, 2016

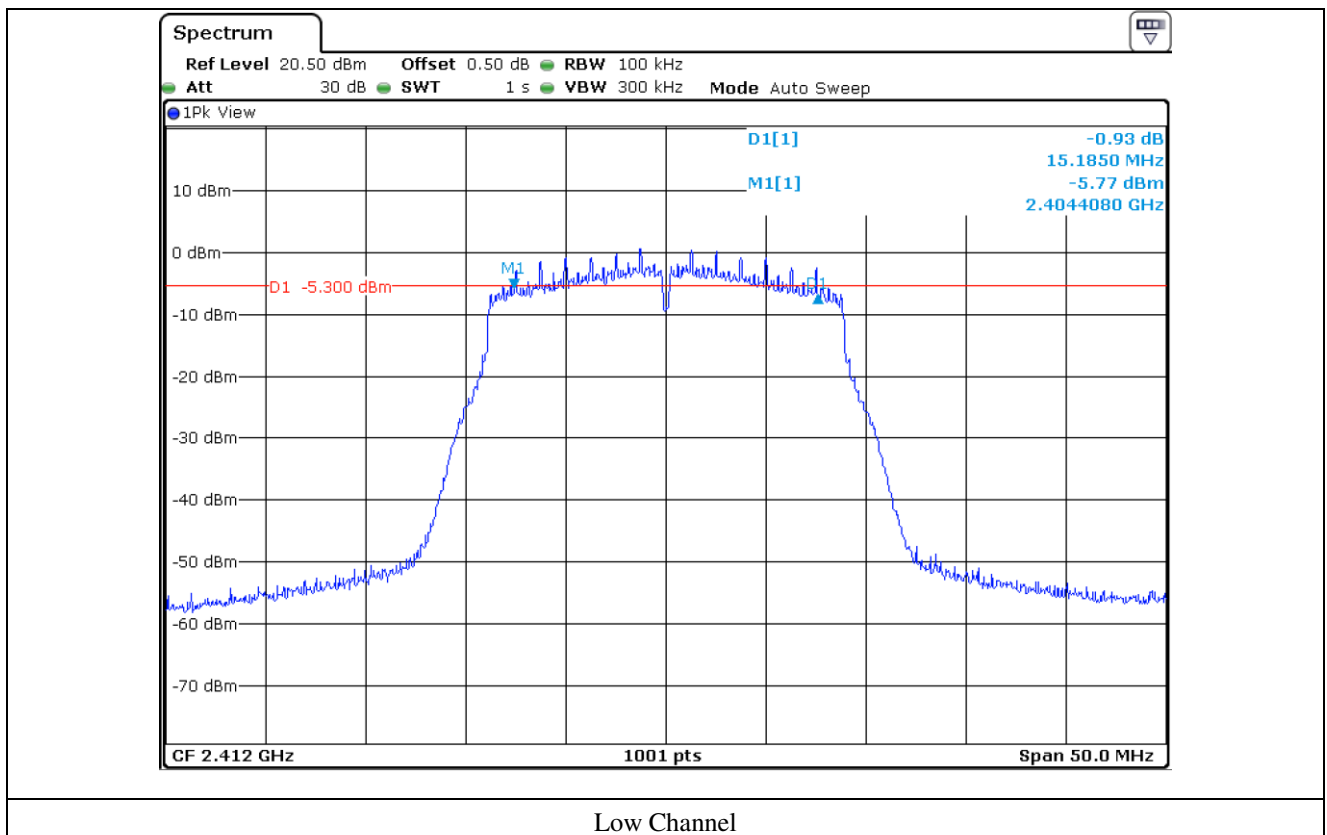
-. Test Result : Pass

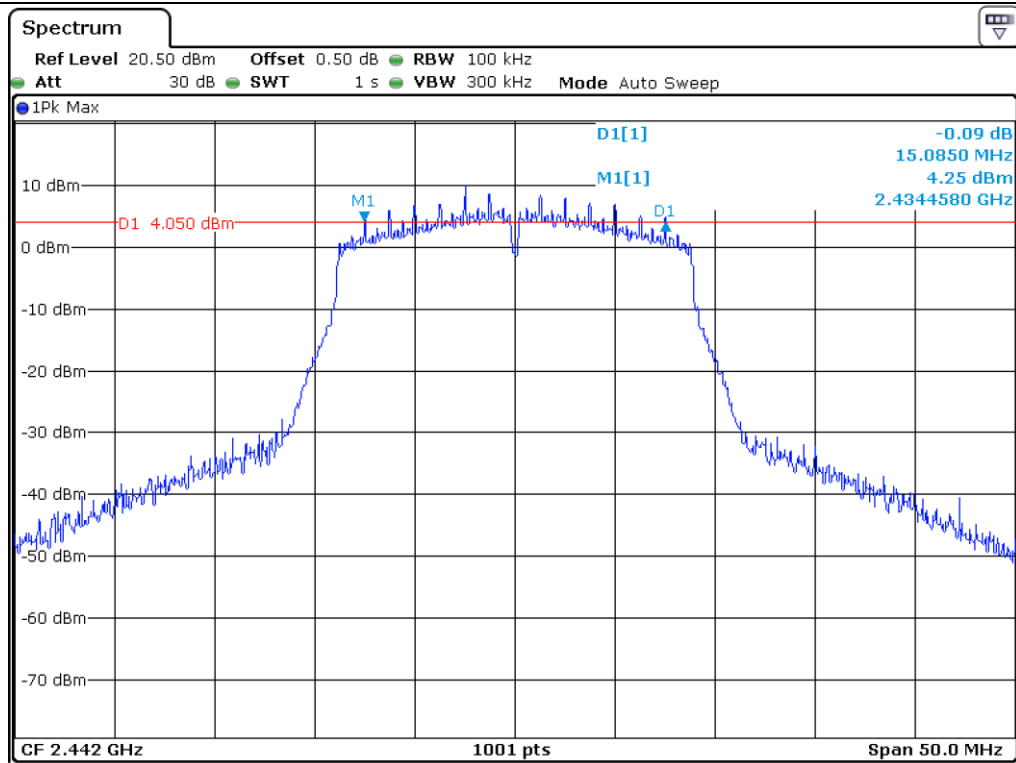
CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	LIMIT (MHz)	Margin(MHz)	
					FCC	IC
Low	2 412	15.19	17.48	0.5	14.69	16.98
Middle	2 442	15.09	17.48	0.5	14.59	16.98
High	2 462	15.19	17.48	0.5	14.69	16.98

Remark. Margin = Measured Value - Limit

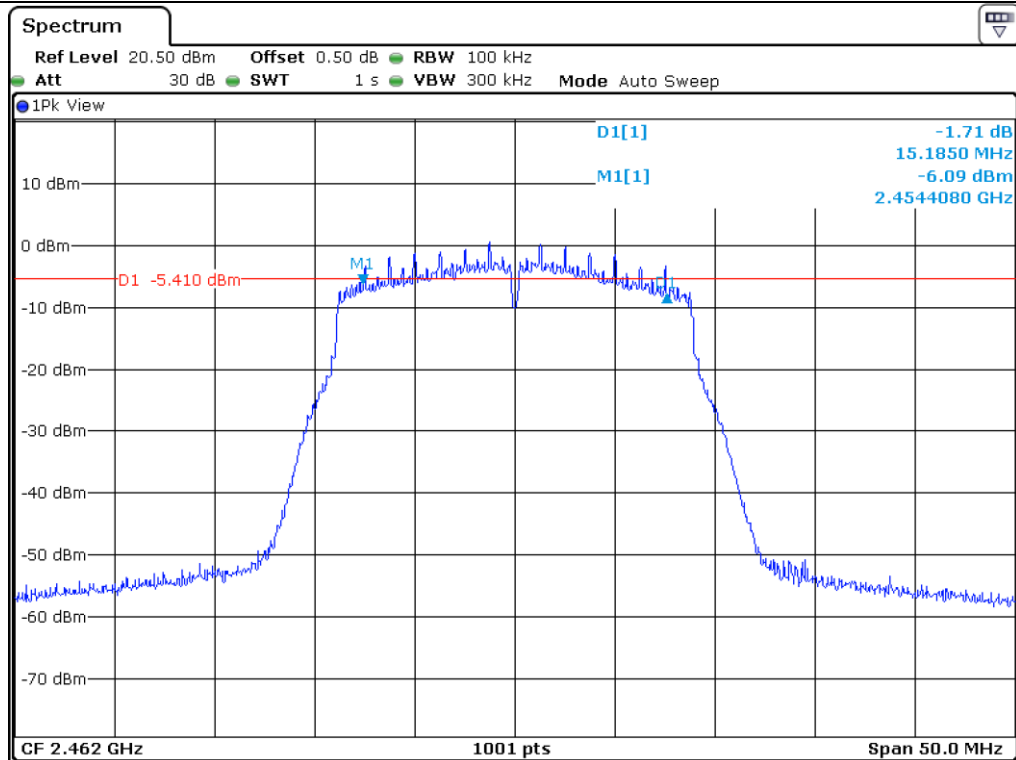


Tested by: Min-Gu, Ji / Project Engineer

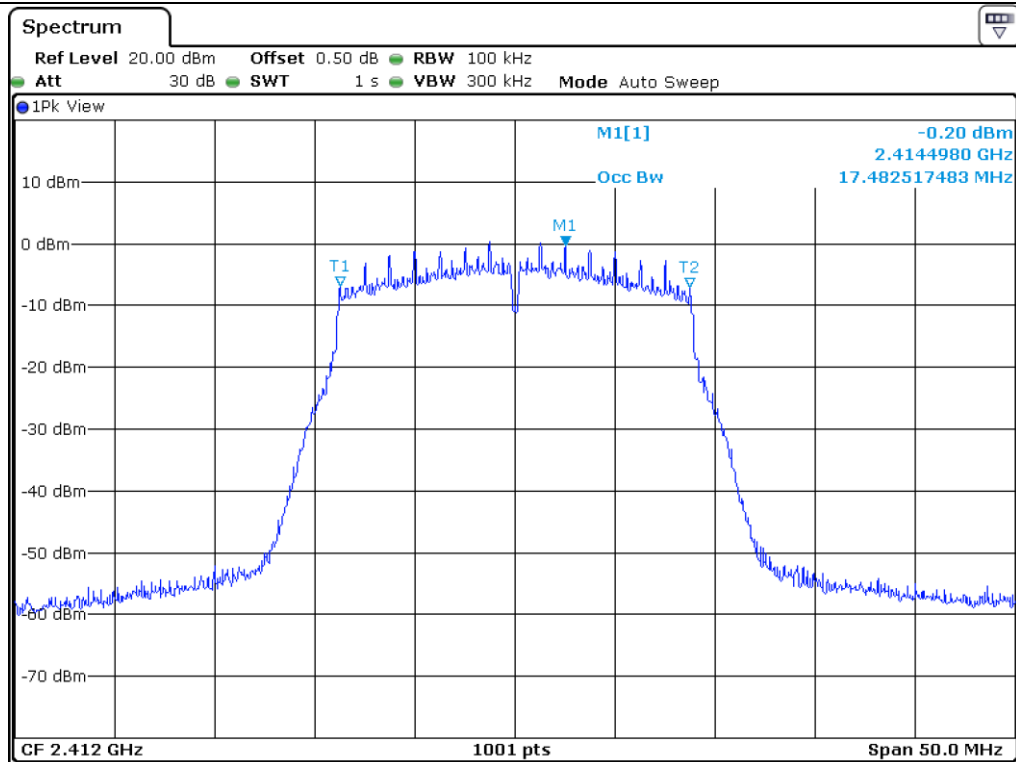




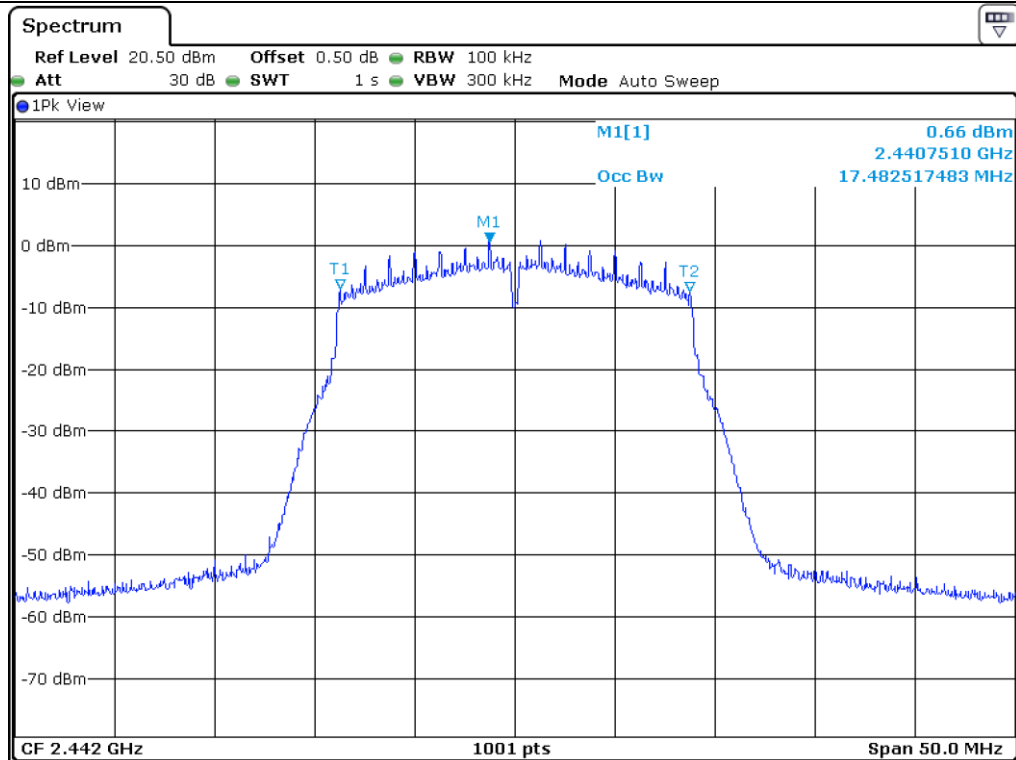
Middle Channel



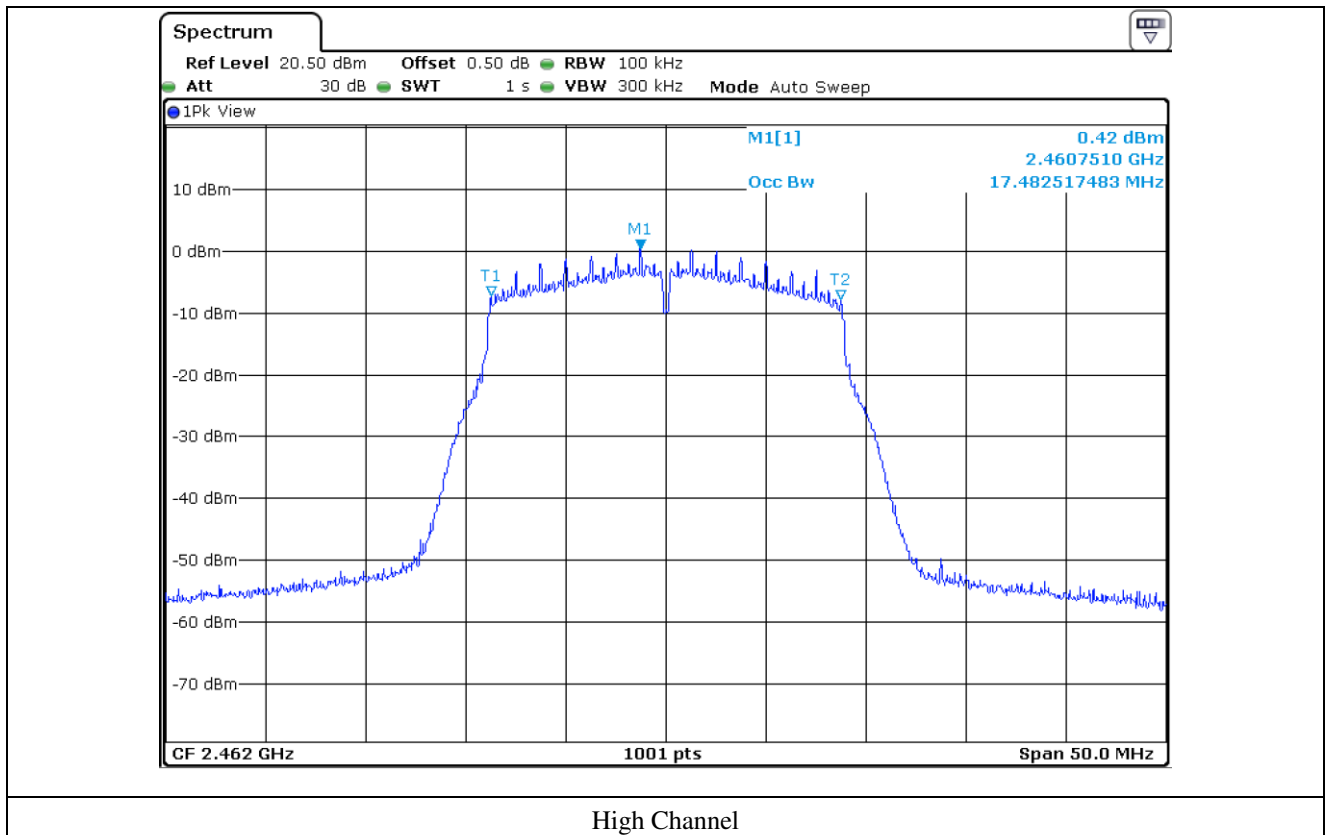
High Channel

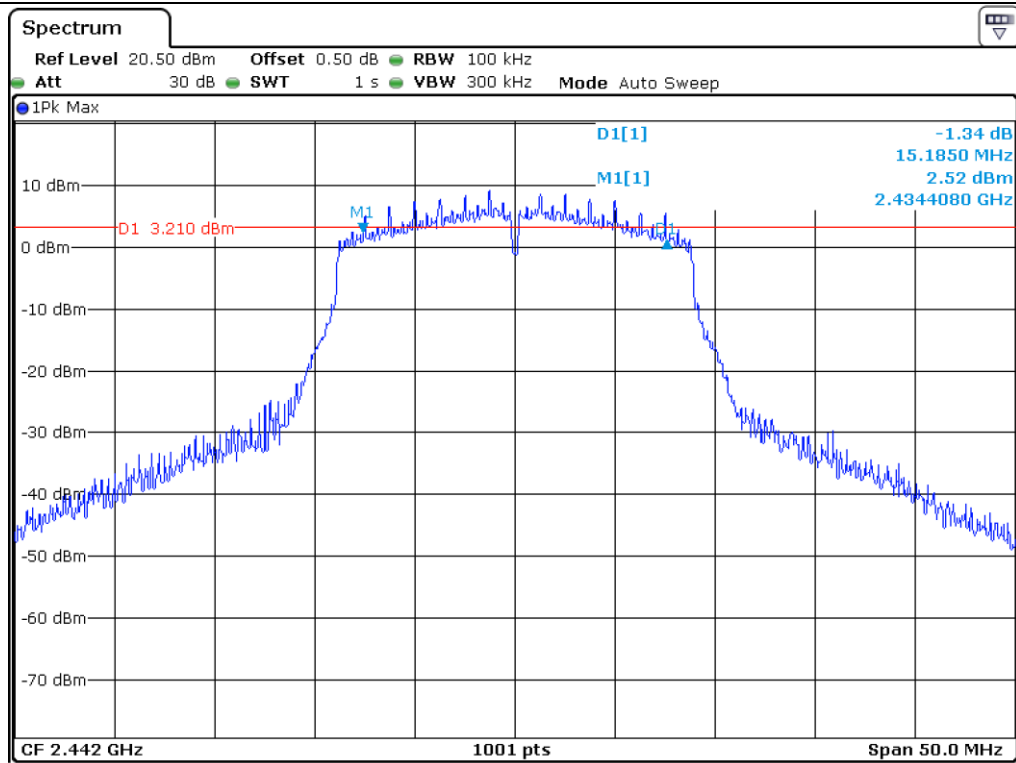


Low Channel

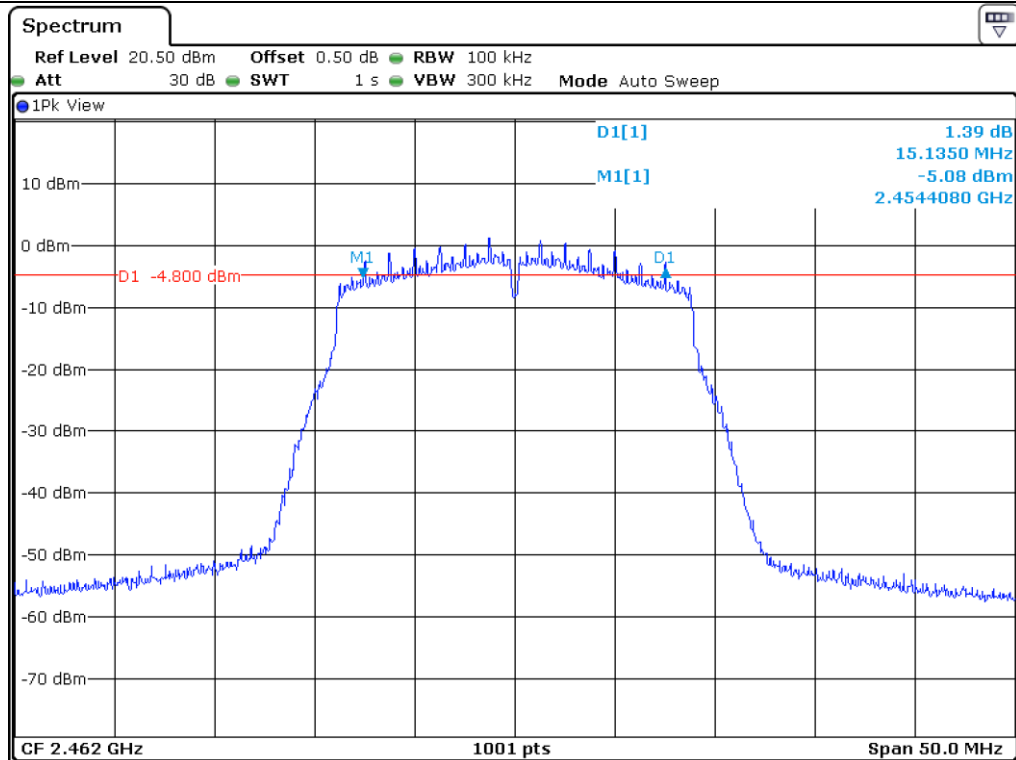


Middle Channel

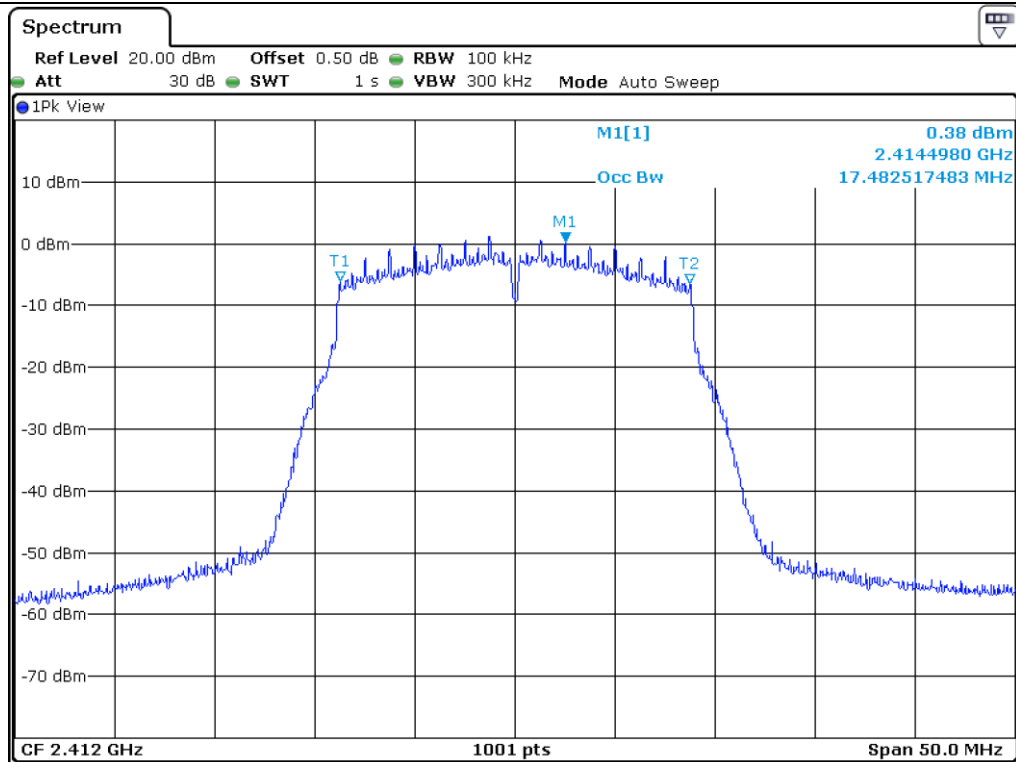




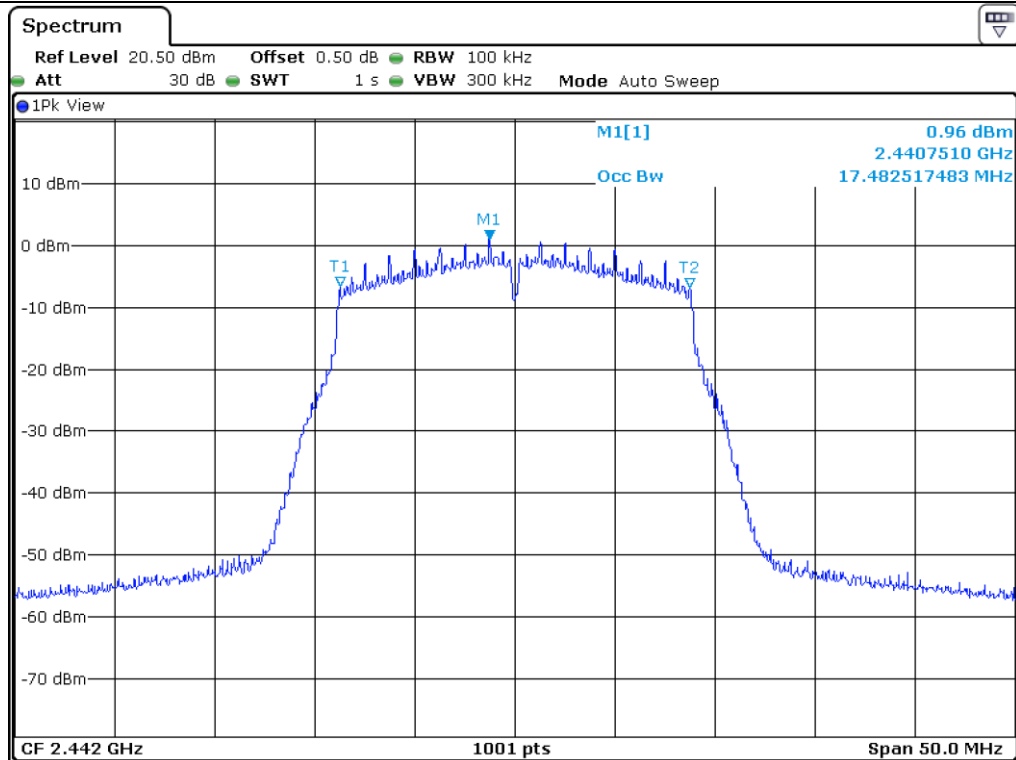
Middle Channel



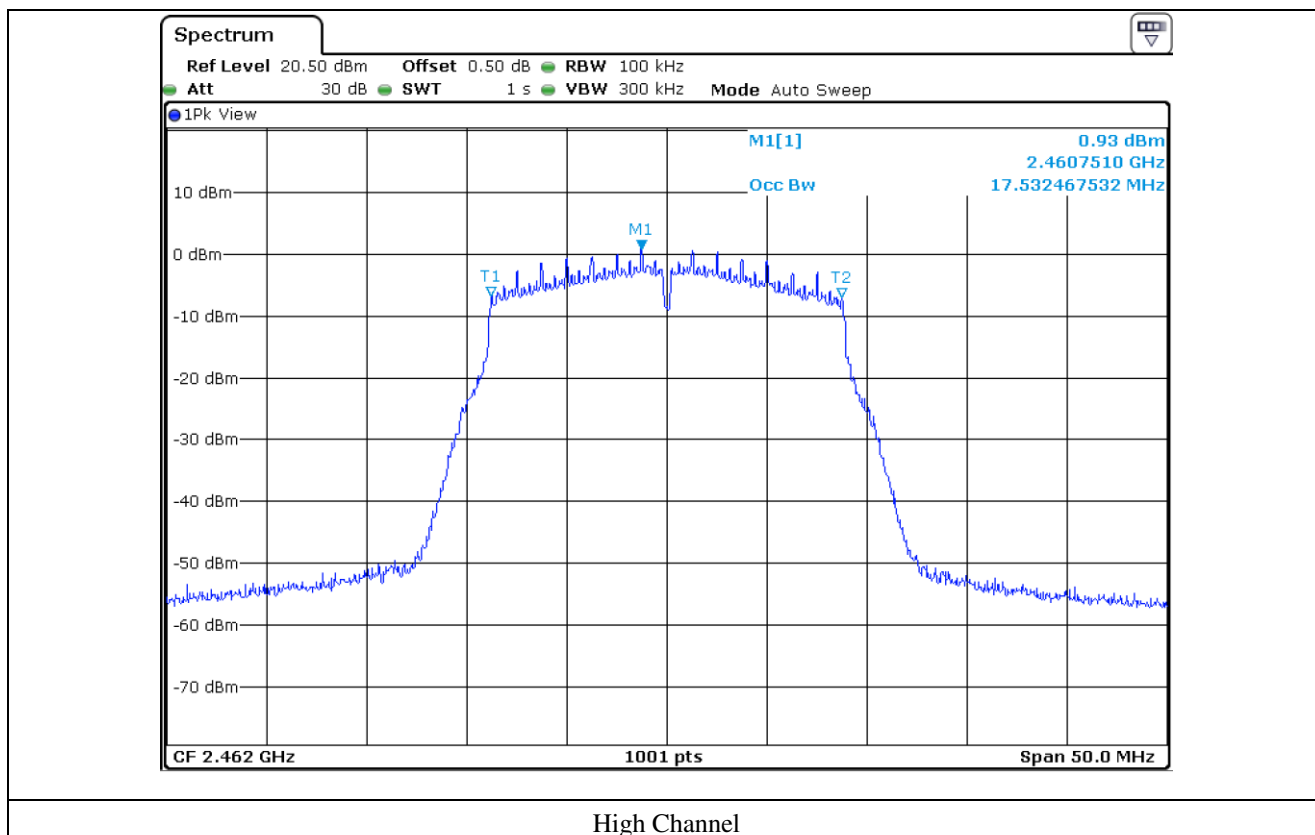
High Channel



Low Channel



Middle Channel



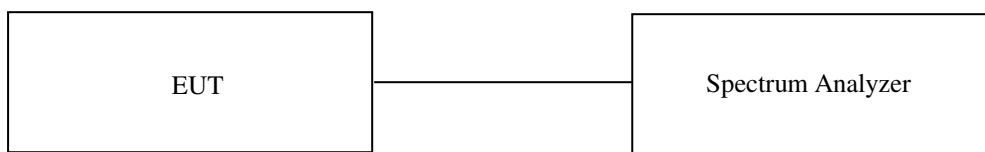
8. MAXIMUM PEAK OUTPUT POWER

8.1 Operating environment

Temperature : 25 °C
Relative humidity : 46 % R.H.

8.2 Test set-up

The maximum peak output power was measured with the spectrum analyzer connected to the antenna output of the EUT. The spectrum analyzer's internal channel power integration function is used to integrate the power over a bandwidth greater than or equal to the 99 % bandwidth. The EUT was operating in transmit mode at the appropriate center frequency.



8.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	FSV40	Rohde & Schwarz	Signal Analyzer	101009	May. 31, 2016 (1Y)

All test equipment used is calibrated on a regular basis.

8.4 Test data for Monitoring Port

8.4.1 Test data for 802.11b WLAN Mode

8.4.1.1 Test data for Antenna 0

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	8.04	15.06	30	14.94
MIDDLE	2 442	7.94	21.18	30	8.82
HIGH	2 462	8.09	17.54	30	12.46

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

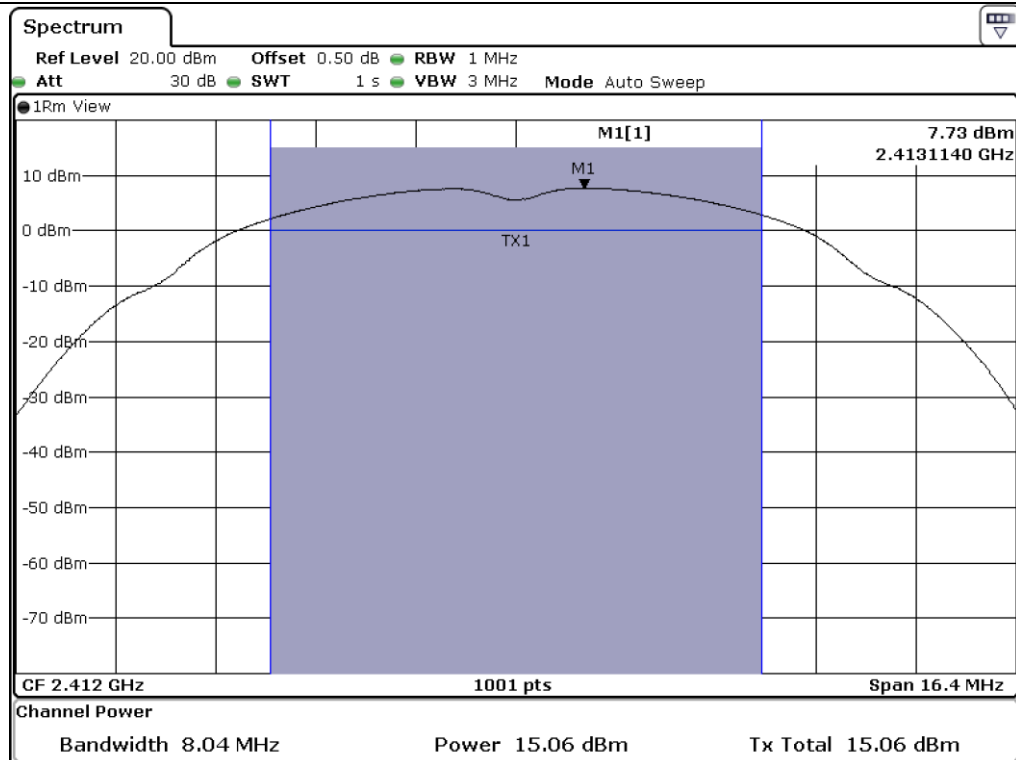
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	10.29	15.99	30	14.01
MIDDLE	2 442	10.34	20.67	30	9.33
HIGH	2 462	10.29	16.87	30	13.13

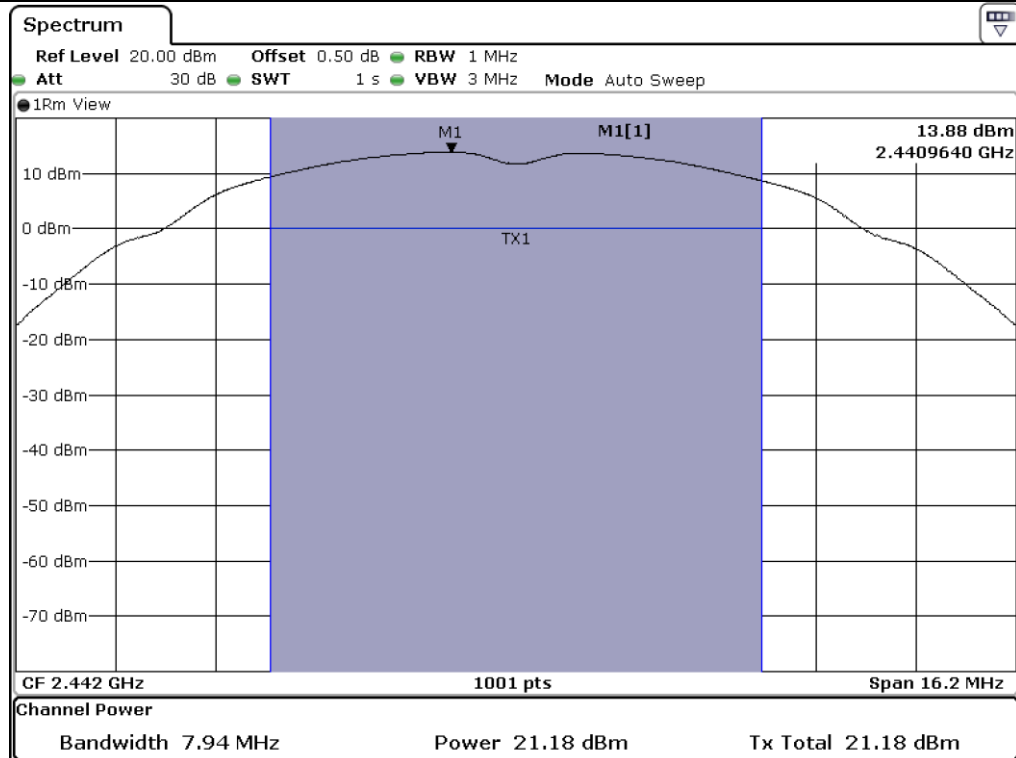
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



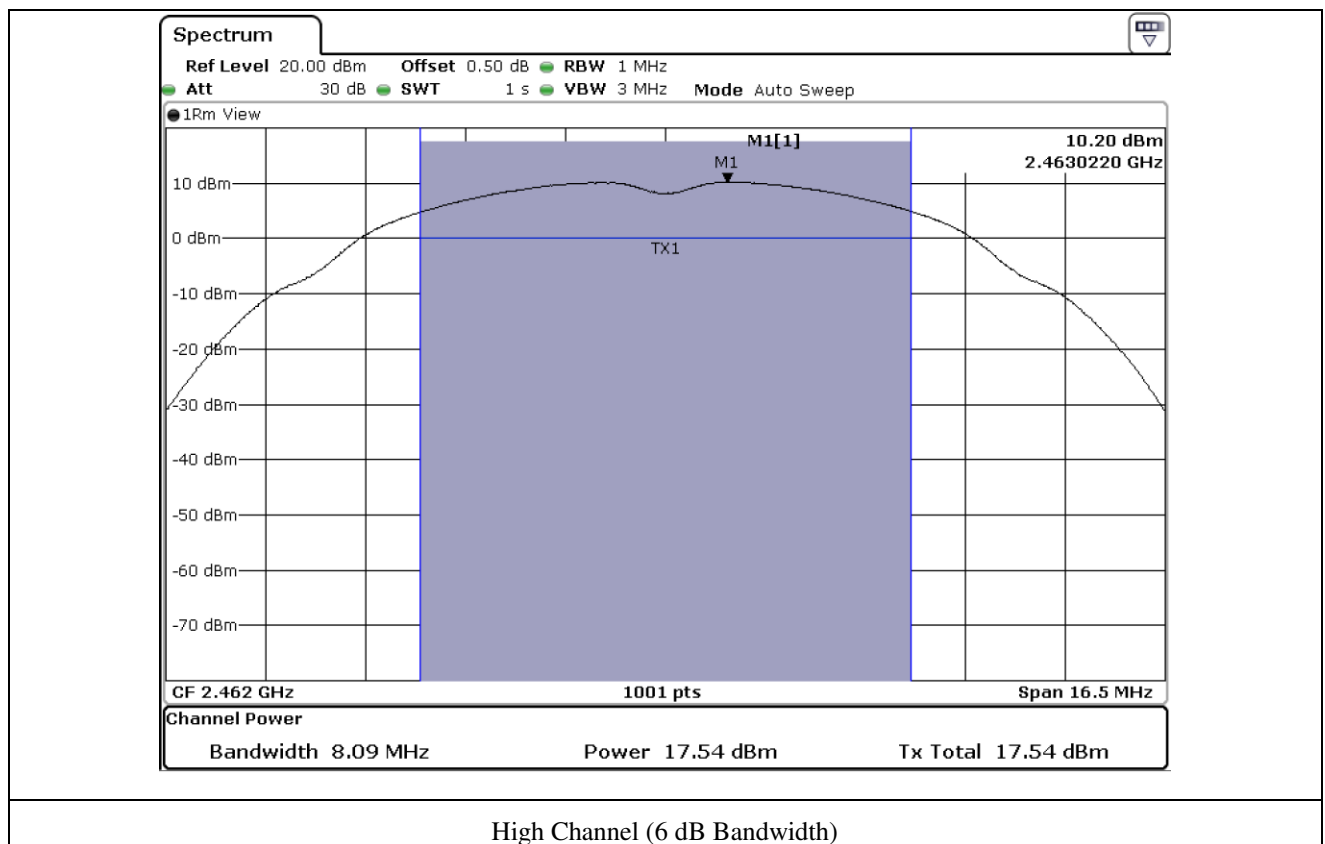
Tested by: Min-Gu, Ji / Project Engineer

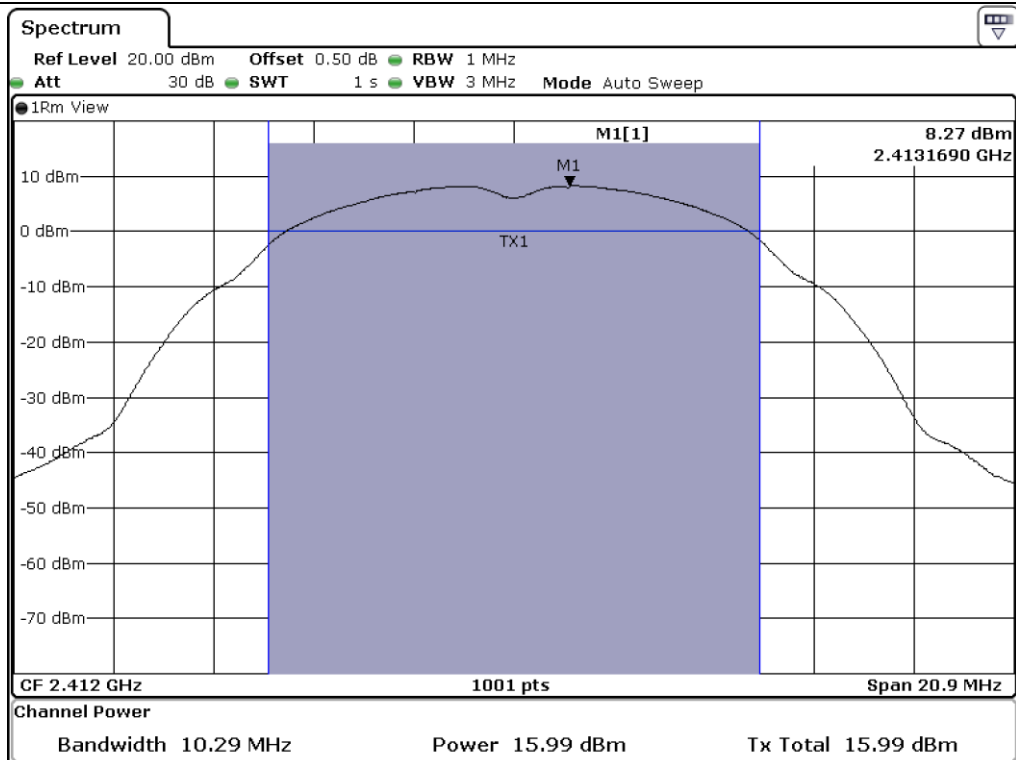


Low Channel (6 dB Bandwidth)

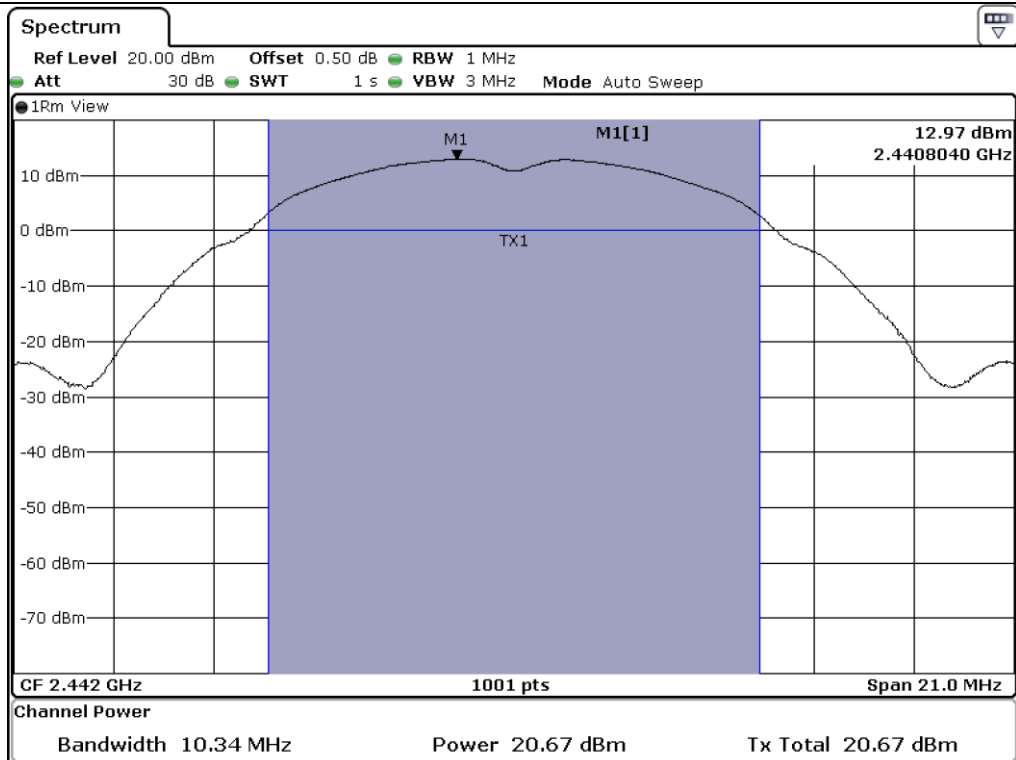


Middle Channel (6 dB Bandwidth)

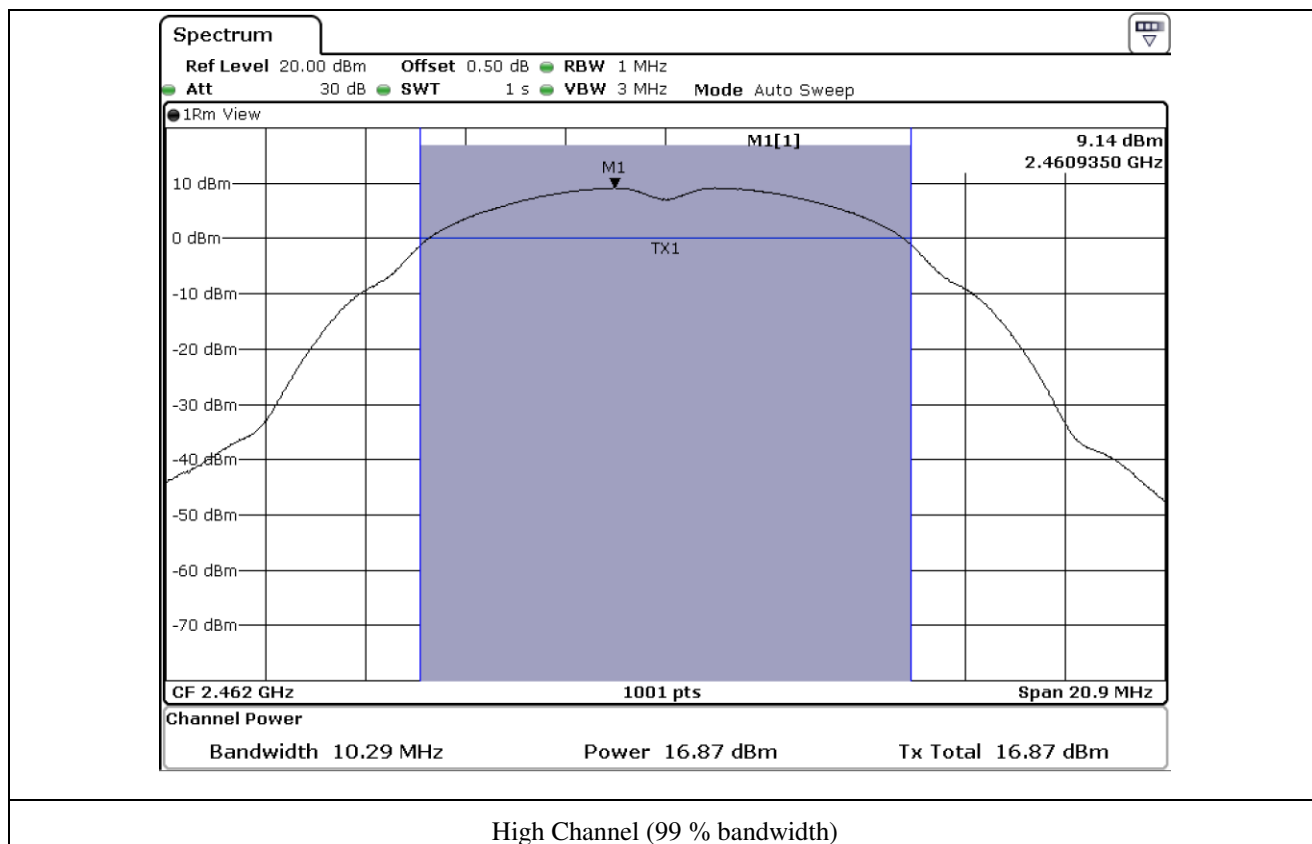




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.4.1.2 Test data for Antenna 1

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	8.09	16.17	30	13.83
MIDDLE	2 442	8.09	21.19	30	8.81
HIGH	2 462	8.09	17.76	30	12.24

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

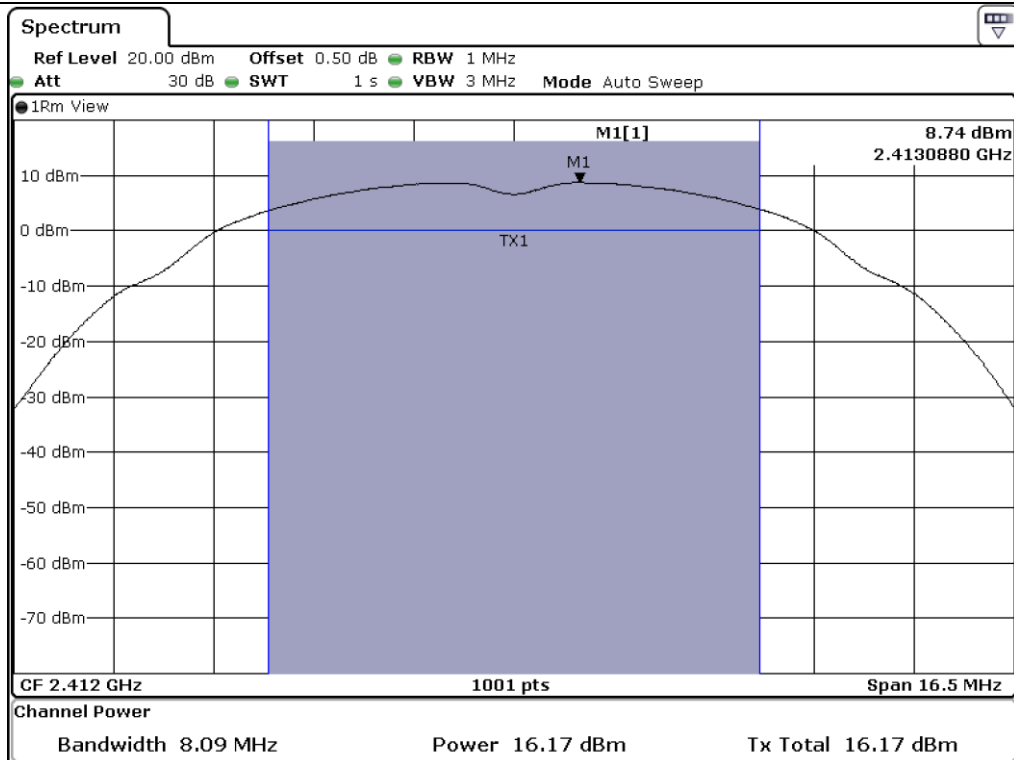
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	10.19	15.96	30	14.04
MIDDLE	2 442	10.29	20.78	30	9.22
HIGH	2 462	10.19	17.21	30	12.79

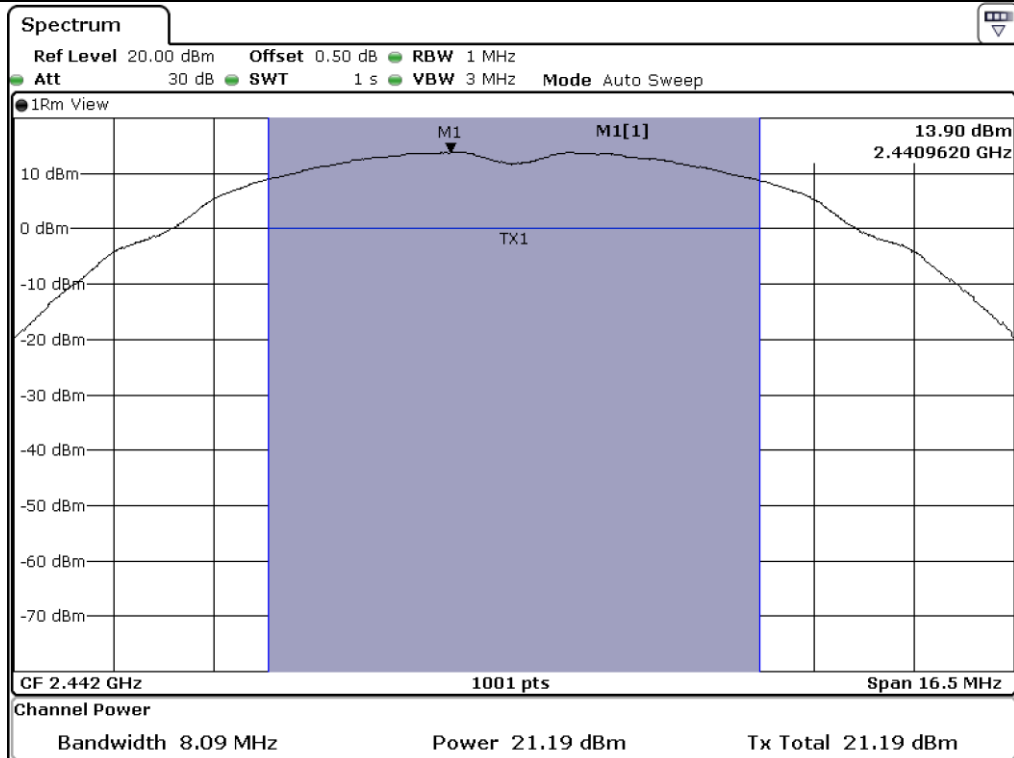
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



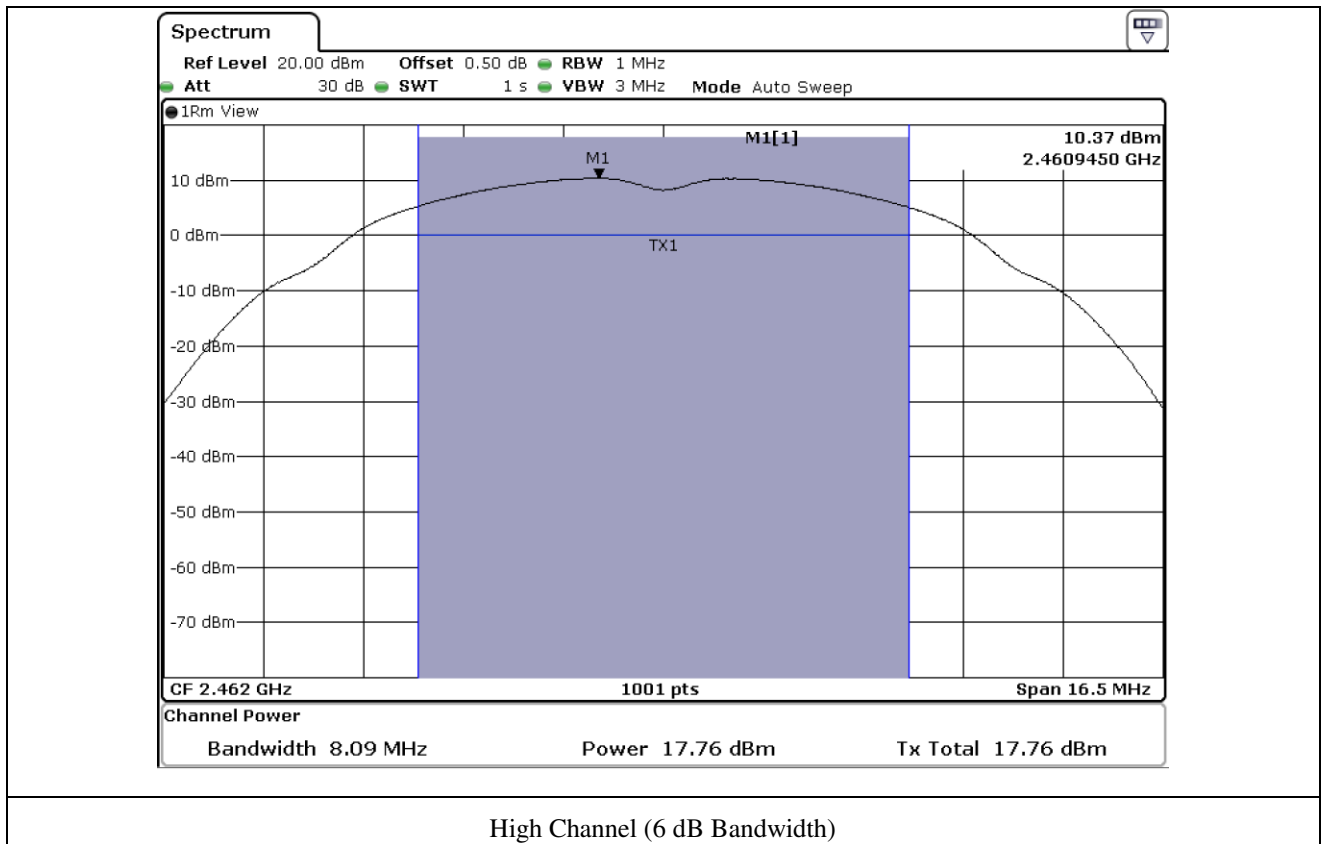
Tested by: Min-Gu, Ji / Project Engineer

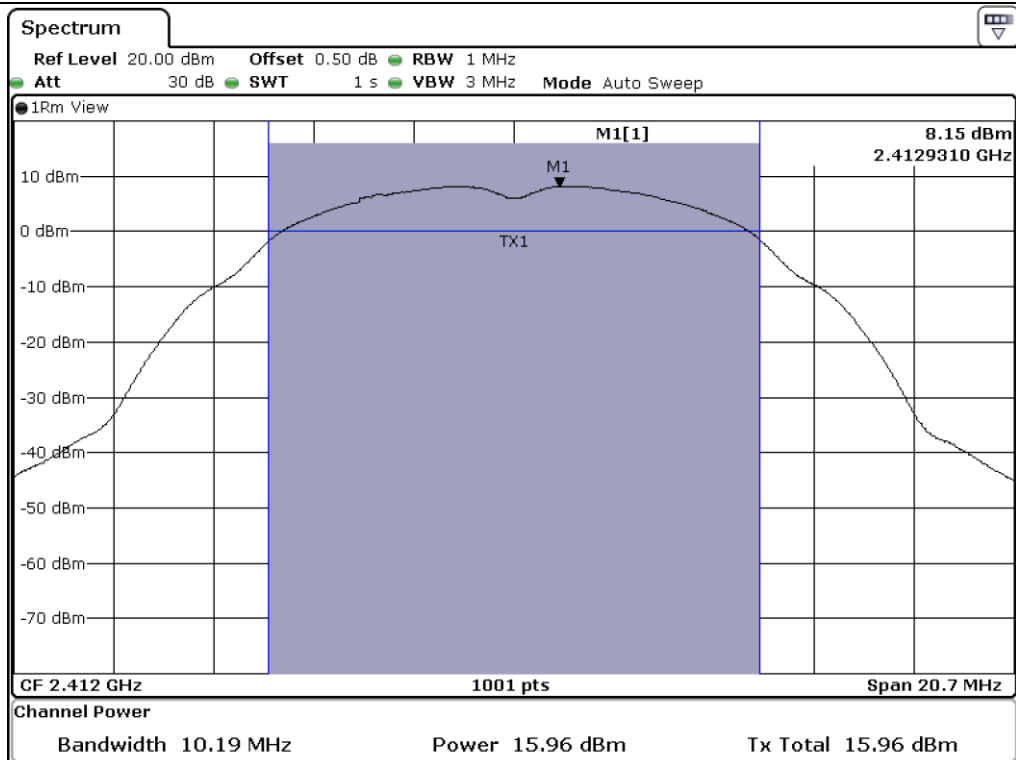


Low Channel (6 dB Bandwidth)

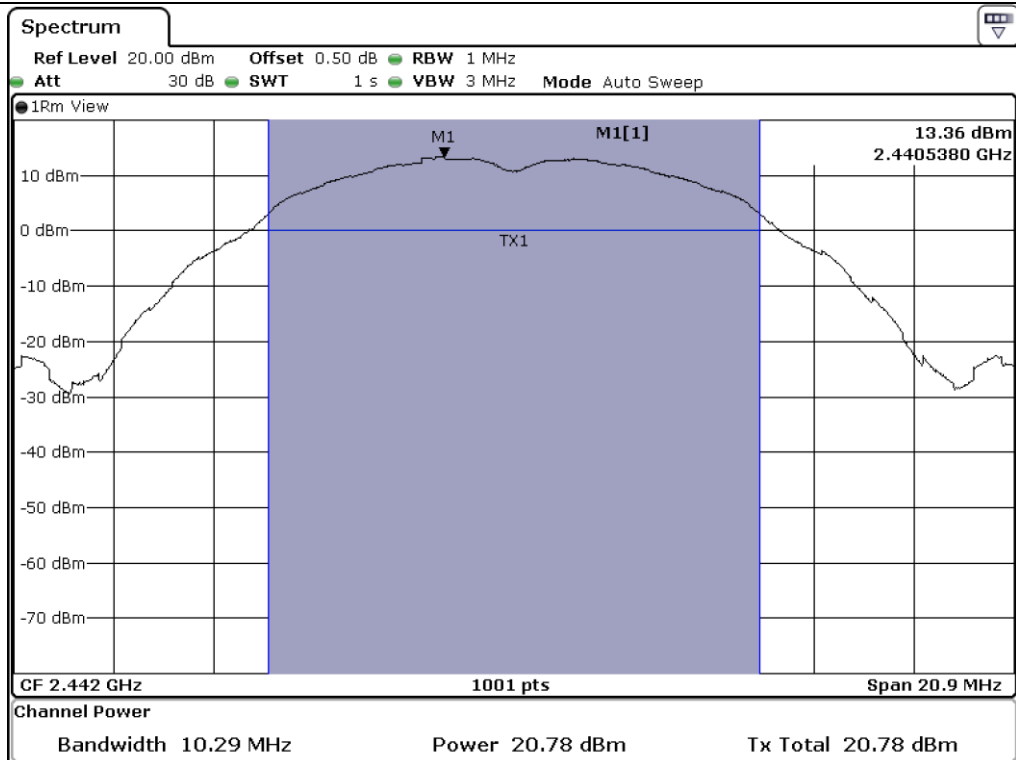


Middle Channel (6 dB Bandwidth)

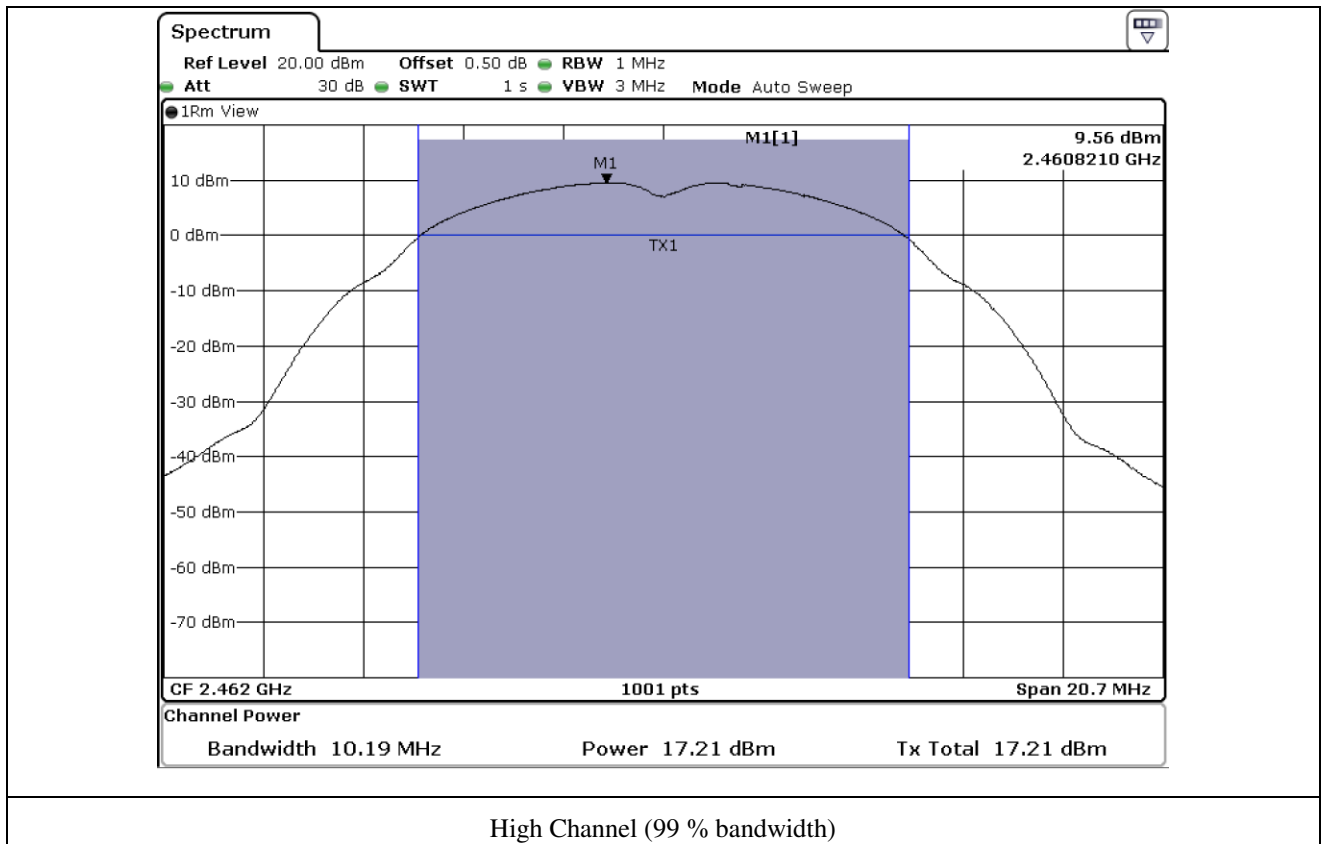




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.4.1.3 Test data for Multiple transmit

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	CALCULATED OUTPUT POWER (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	8.09	18.66	30	11.34
MIDDLE	2 442	8.09	24.20	30	5.80
HIGH	2 462	8.09	20.66	30	9.34

Remark 1 : Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2 : Calculated Output Power= $10\log (10^{(\text{Antenna0 Output Power}/10)}+10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

Remark 3 : Limit = 30 dBm – Exceeds Antenna gain

Remark 4 : Exceeds Antenna gain = $10\log (10^{(\text{Antenna0 Output Power}/10)}+10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	CALCULATED OUTPUT POWER (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	10.29	18.99	30	11.01
MIDDLE	2 442	10.34	23.74	30	6.26
HIGH	2 462	10.29	20.05	30	9.95

Remark 1 : Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2 : Calculated Output Power= $10\log (10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

Remark 3 : Limit = 30 dBm – Exceeds Antenna gain

Remark 4 : Exceeds Antenna gain = $10\log (10^{(\text{Antenna0 Output Power}/10)}+10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$



Tested by: Min-Gu, Ji / Project Engineer

8.4.2 Test data for 802.11g WLAN Mode

8.4.2.1 Test data for Antenna 0

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	15.53	13.16	29.03	15.87
MIDDLE	2 442	15.19	20.21	29.03	8.82
HIGH	2 462	15.44	14.48	29.03	14.55

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

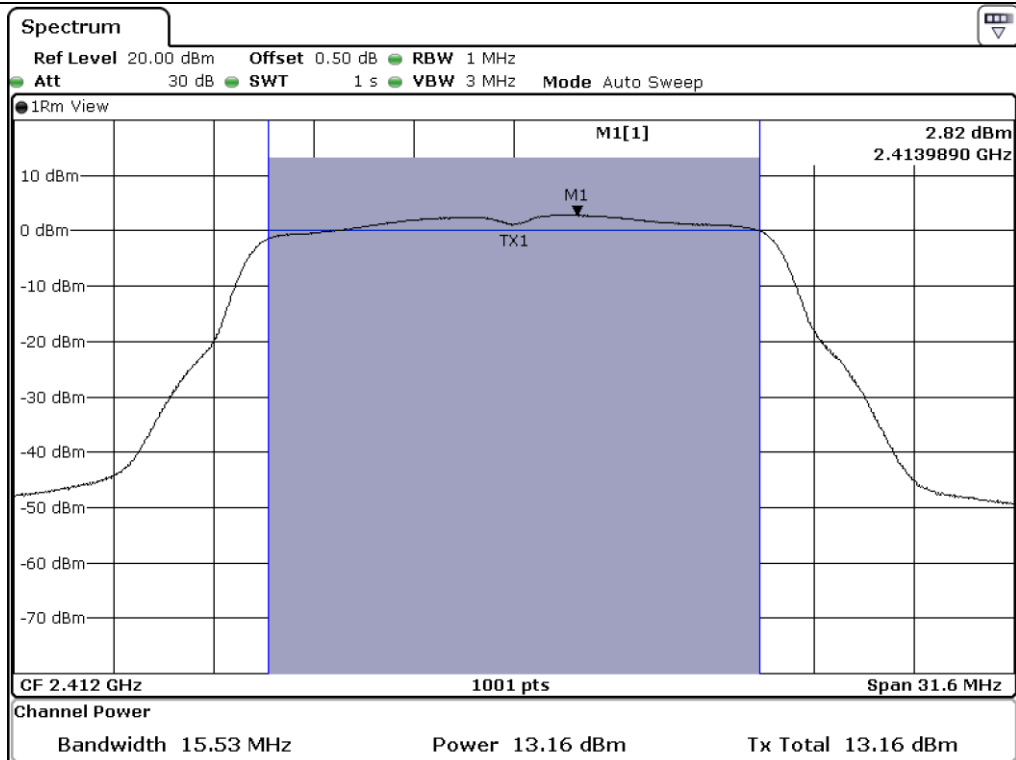
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	16.33	12.88	30	17.12
MIDDLE	2 442	16.43	18.87	30	11.13
HIGH	2 462	16.33	13.88	30	16.12

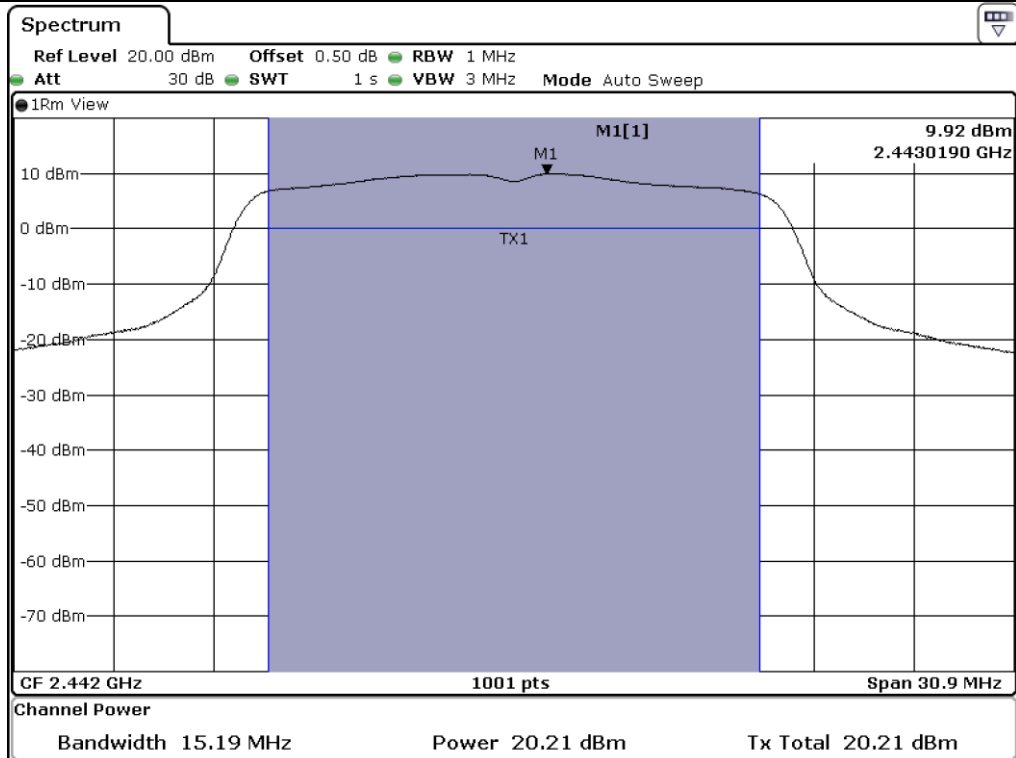
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



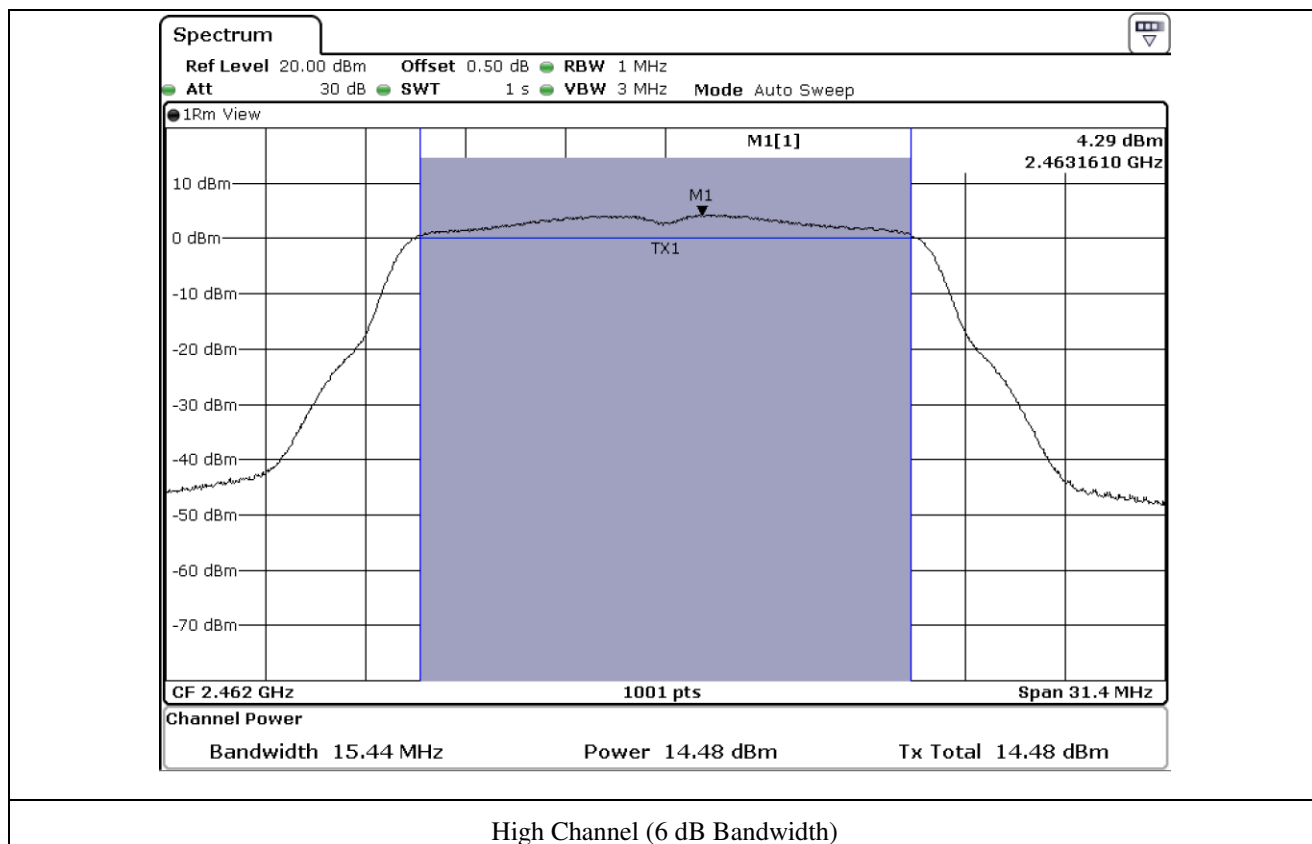
Tested by: Min-Gu, Ji / Project Engineer

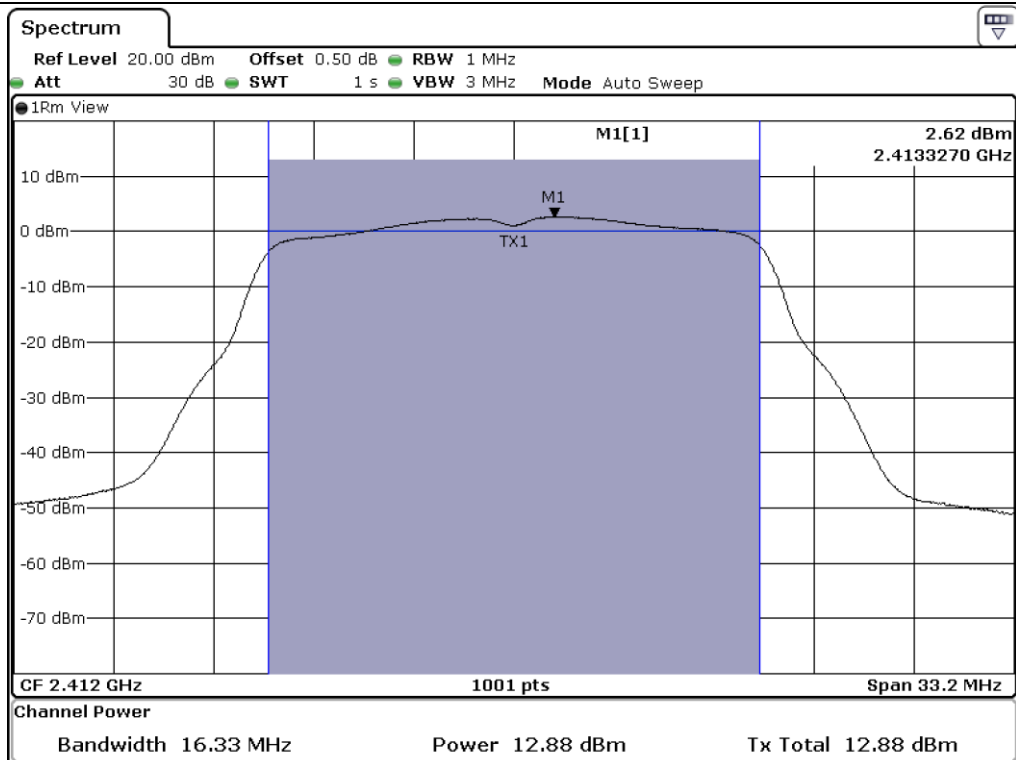


Low Channel (6 dB Bandwidth)

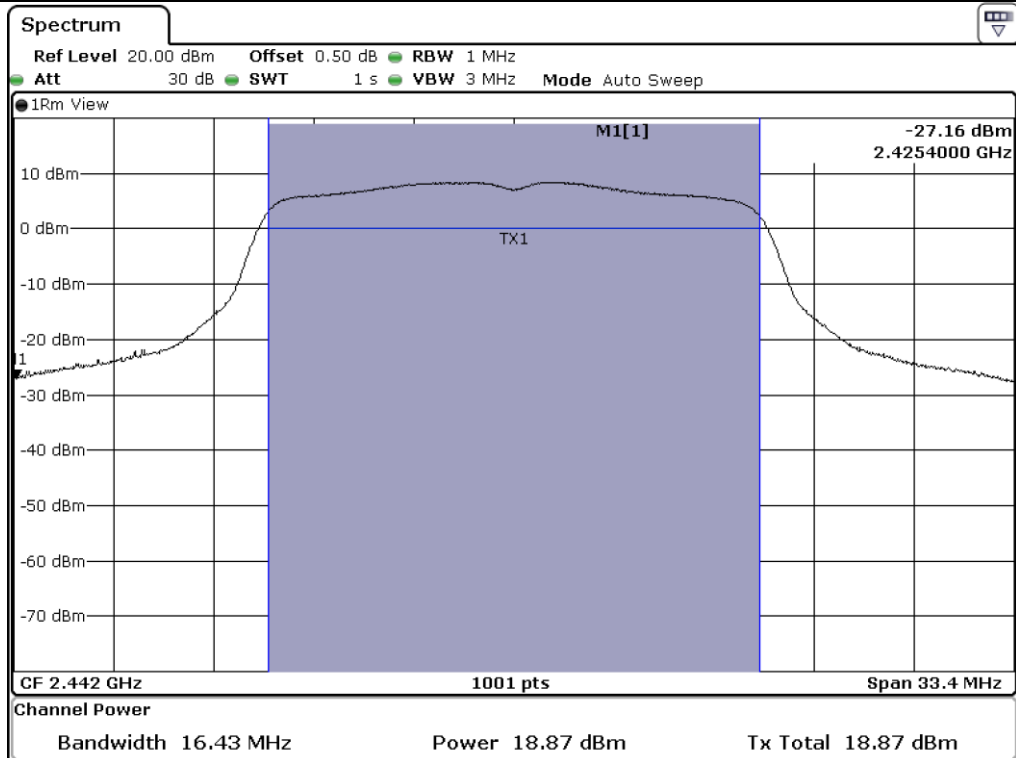


Middle Channel (6 dB Bandwidth)

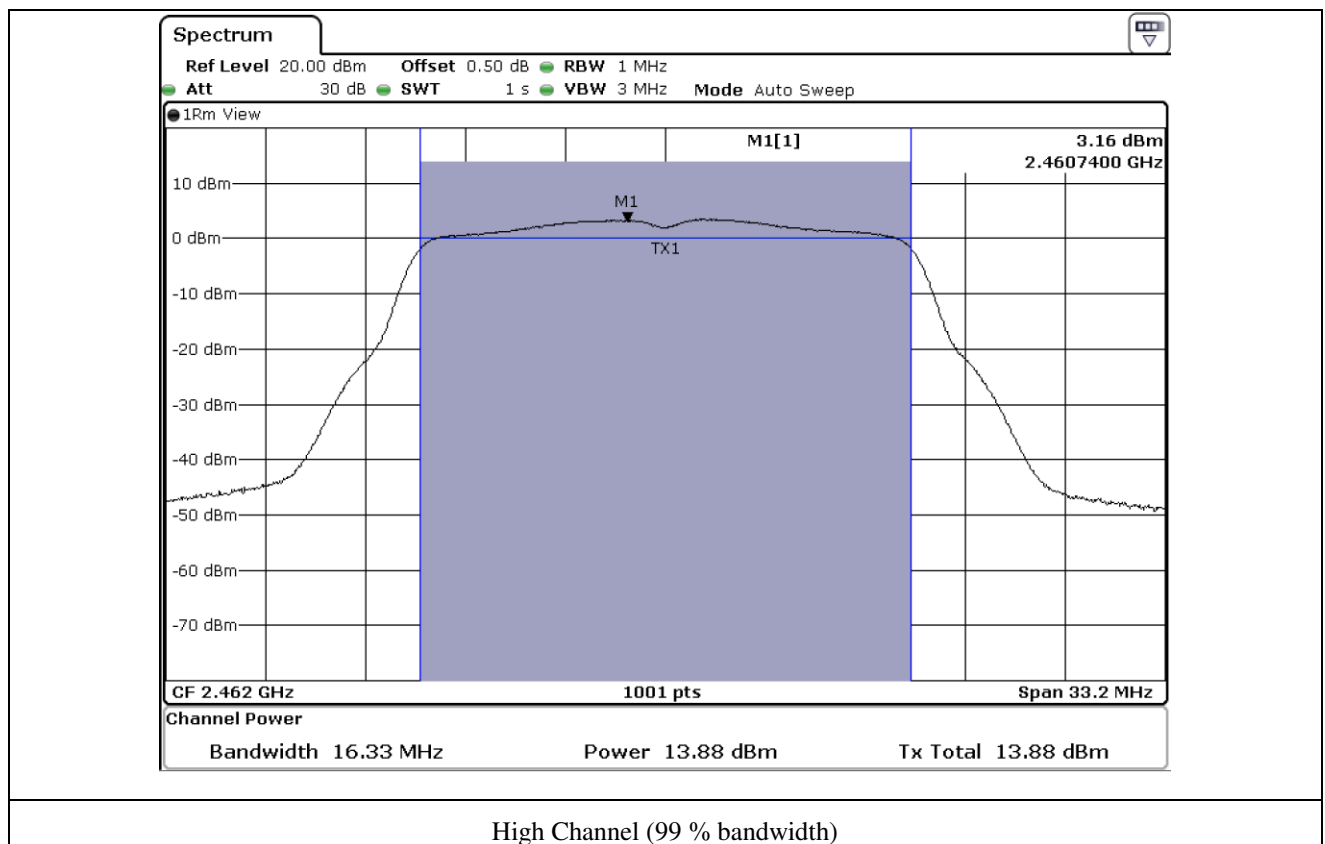




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.4.2.2 Test data for Antenna 1

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	15.88	13.10	30	16.90
MIDDLE	2 442	15.19	19.23	30	10.77
HIGH	2 462	15.68	14.42	30	15.58

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

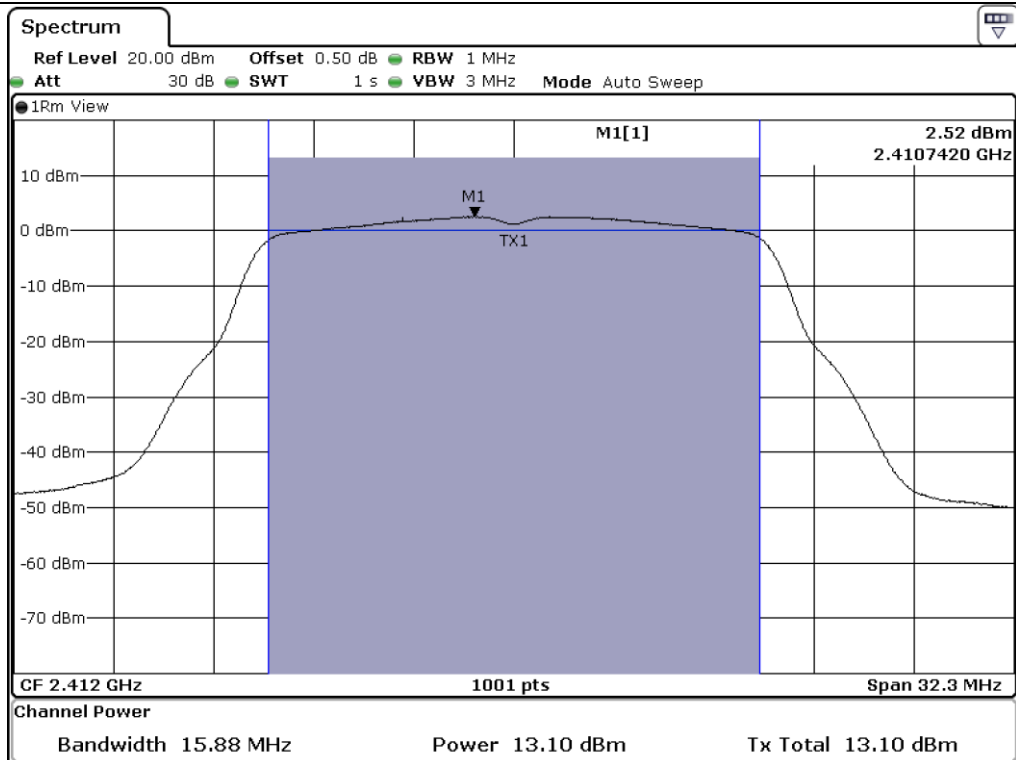
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	16.33	12.57	30	17.43
MIDDLE	2 442	16.38	18.65	30	11.35
HIGH	2 462	16.33	13.65	30	16.35

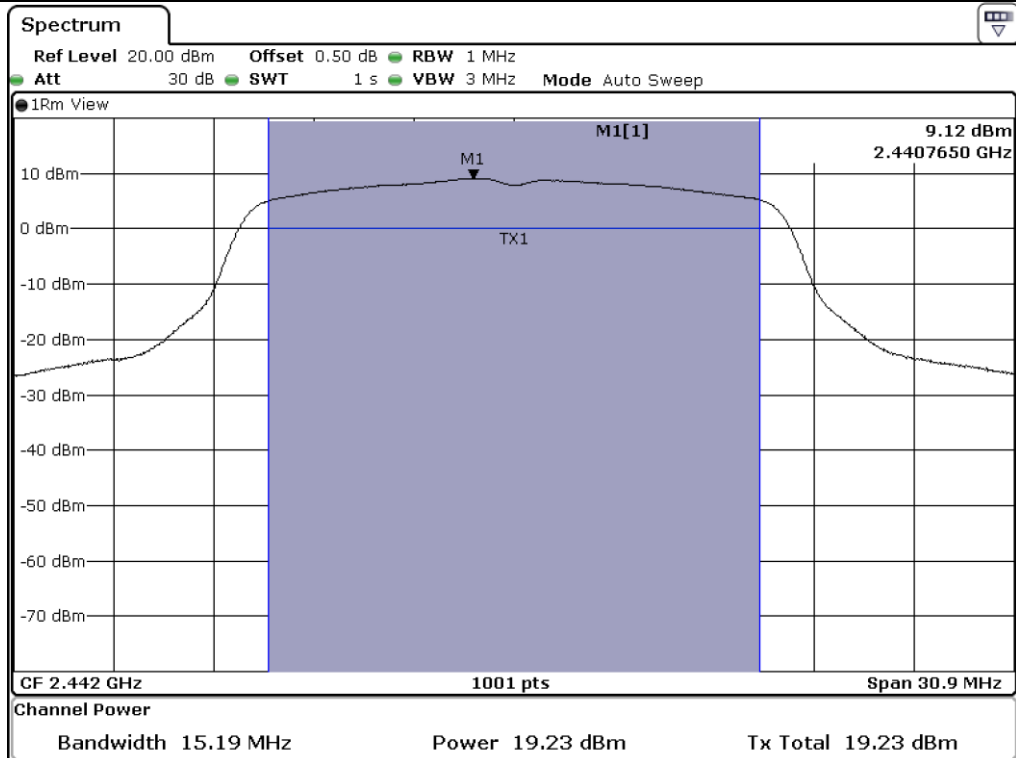
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



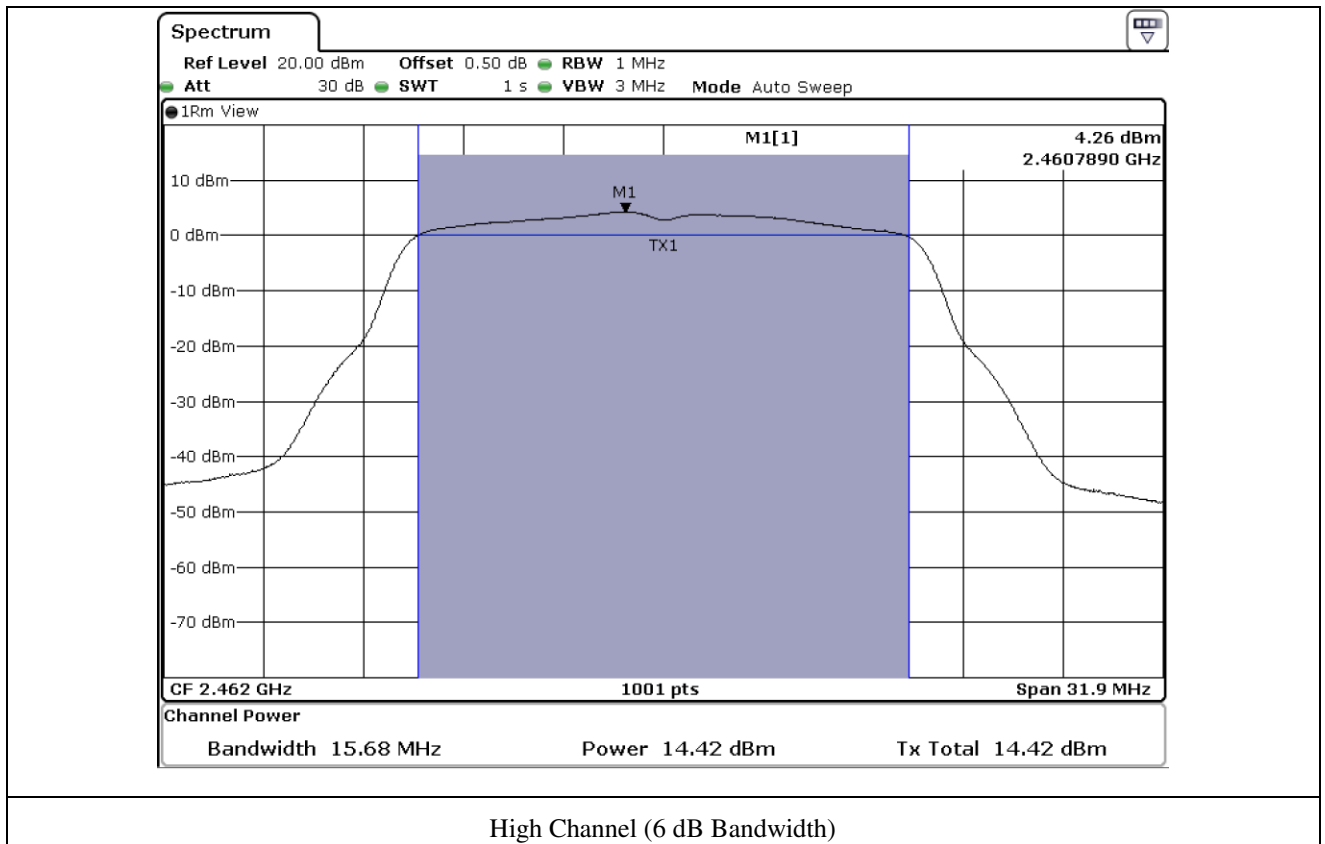
Tested by: Min-Gu, Ji / Project Engineer

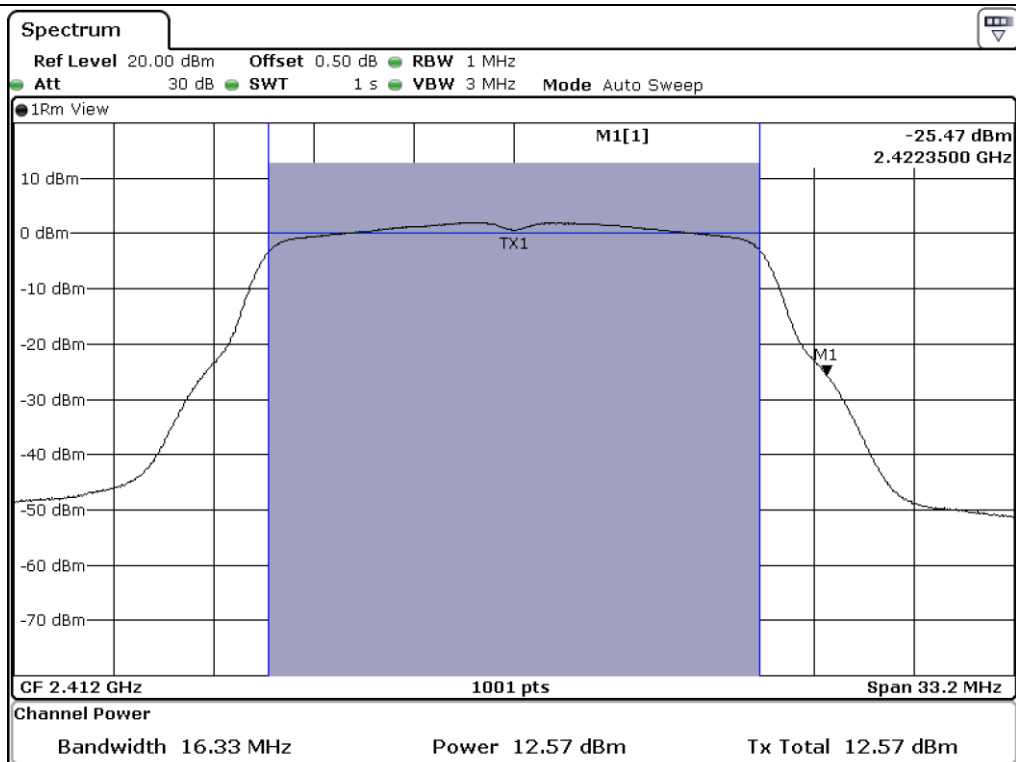


Low Channel (6 dB Bandwidth)

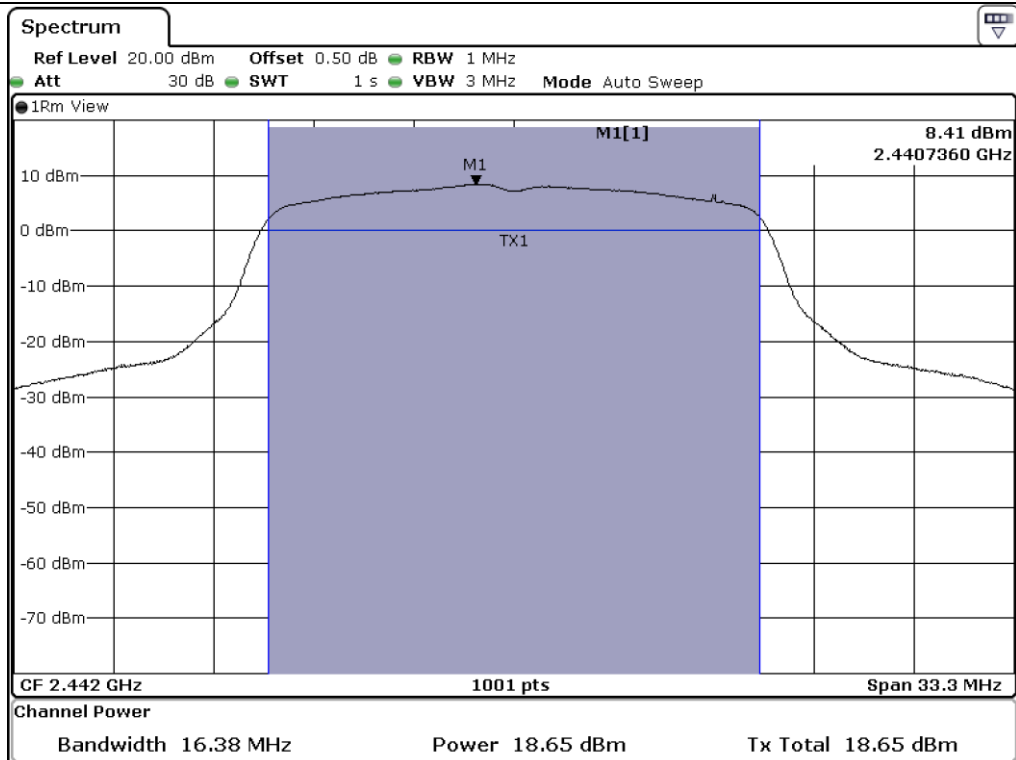


Middle Channel (6 dB Bandwidth)

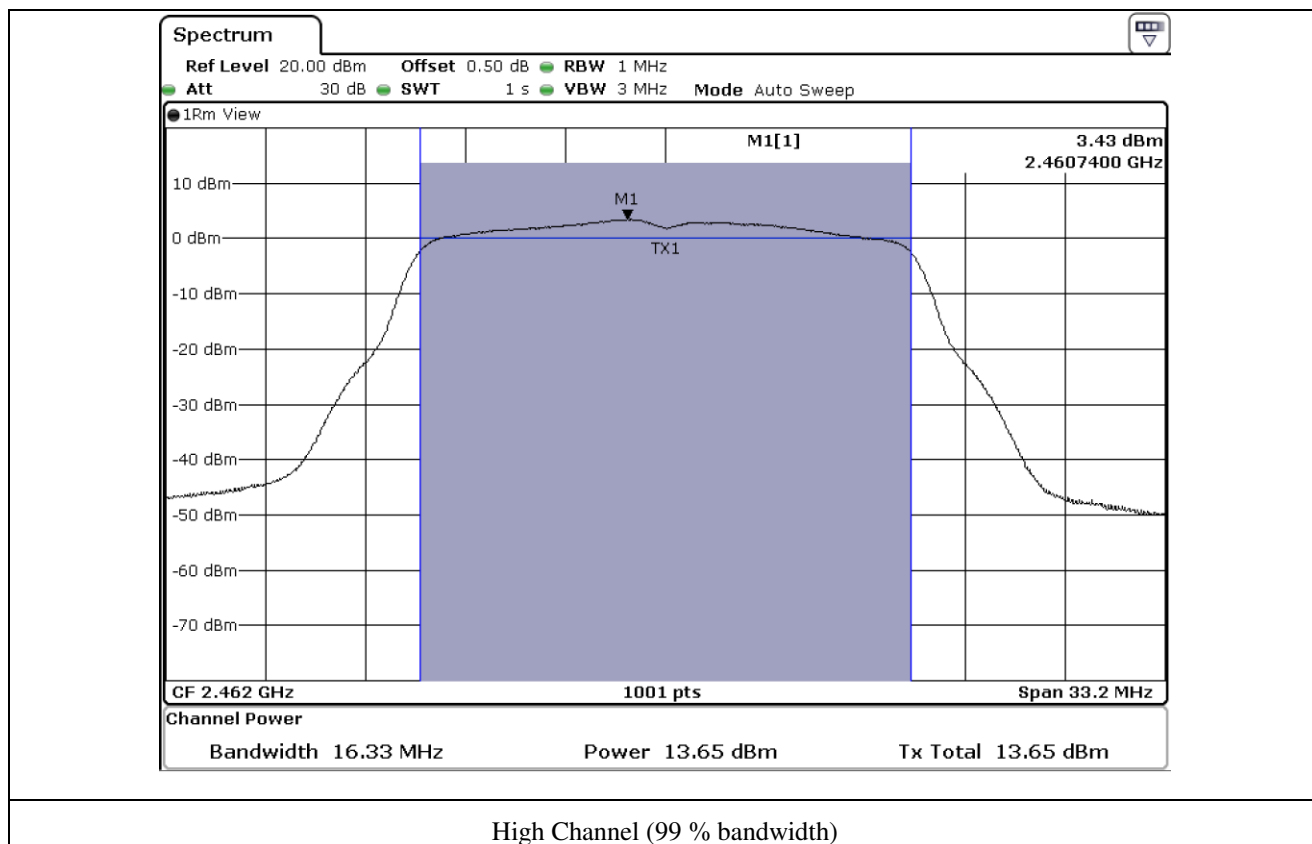




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.4.2.3 Test data for Multiple transmit

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	CALCULATED OUTPUT POWER (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	15.88	16.14	30	13.86
MIDDLE	2 442	15.19	22.76	30	7.24
HIGH	2 462	15.68	17.46	30	12.54

Remark 1 : Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2 : Calculated Output Power= $10\log (10^{(\text{Antenna0 Output Power}/10)}+10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

Remark 3 : Limit = 30 dBm – Exceeds Antenna gain

Remark 4 : Exceeds Antenna gain = $10\log (10^{(\text{Antenna0 Output Power}/10)}+10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	CALCULATED OUTPUT POWER (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	16.33	15.74	30	14.26
MIDDLE	2 442	16.43	21.77	30	8.23
HIGH	2 462	16.33	16.78	30	13.22

Remark 1 : Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2 : Calculated Output Power= $10\log (10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

Remark 3 : Limit = 30 dBm – Exceeds Antenna gain

Remark 4 : Exceeds Antenna gain = $10\log (10^{(\text{Antenna0 Output Power}/10)}+10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$



Tested by: Min-Gu, Ji / Project Engineer

8.5 Test data for Service Port

8.5.1 Test data for 802.11b WLAN Mode

8.5.1.1 Test data for Antenna 0

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	8.09	16.64	30	13.36
MIDDLE	2 442	8.04	19.15	30	10.85
HIGH	2 462	8.04	16.87	30	13.13

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

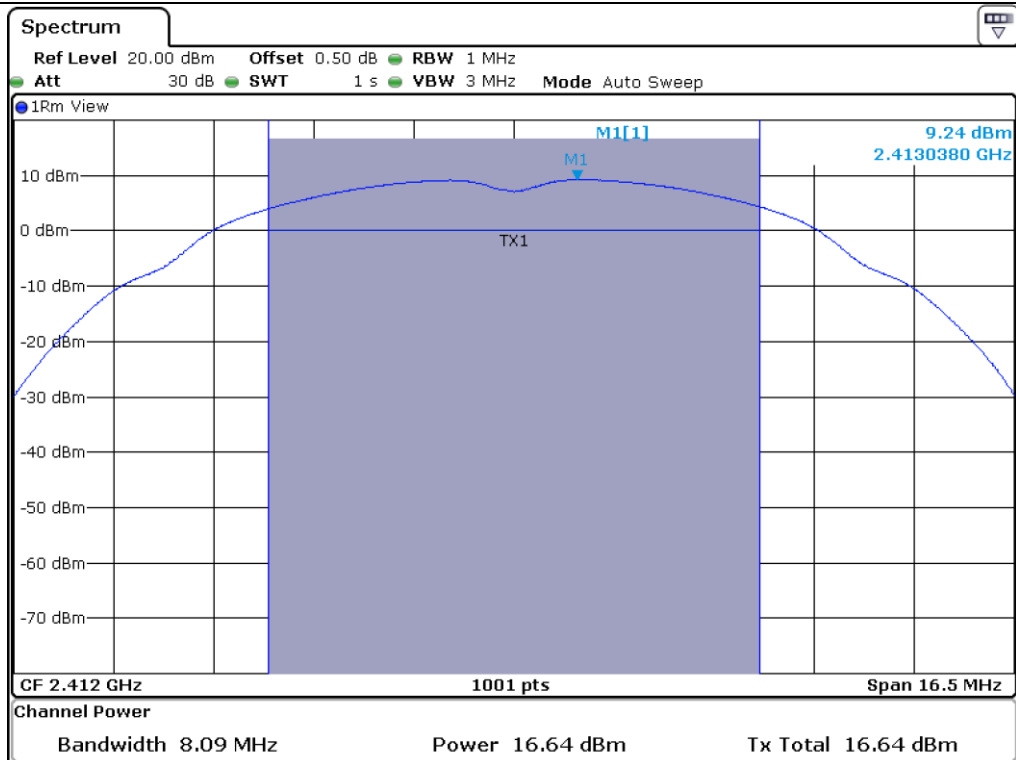
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	10.19	16.83	30	13.17
MIDDLE	2 442	10.19	19.23	30	10.77
HIGH	2 462	10.14	17.03	30	12.97

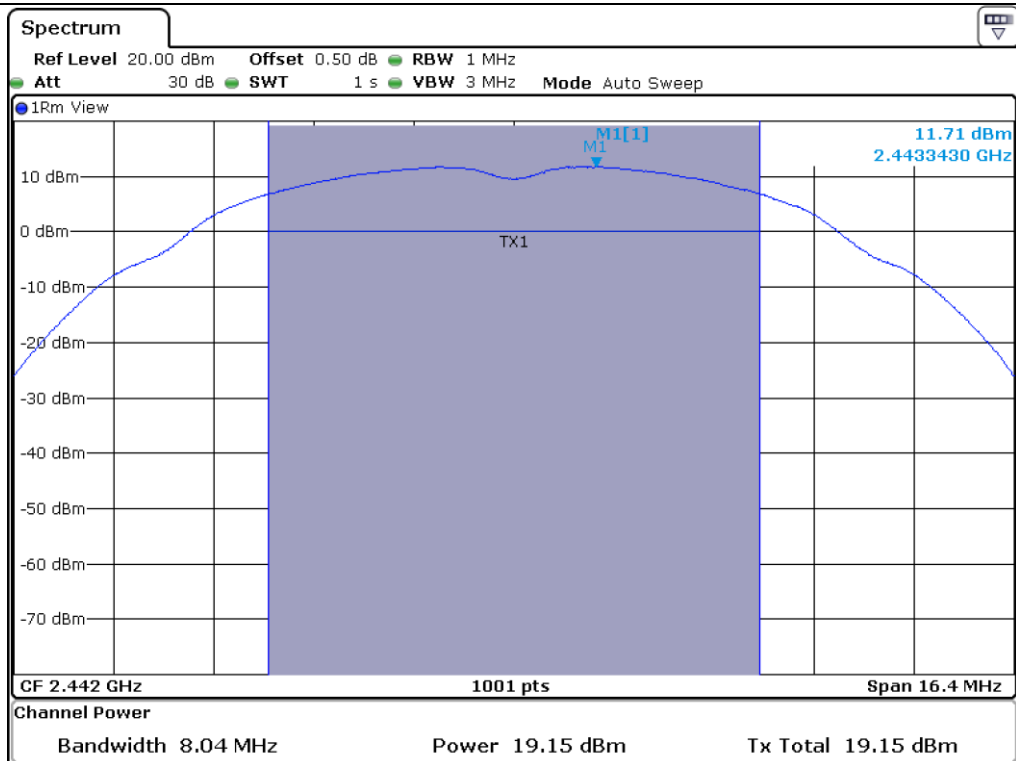
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



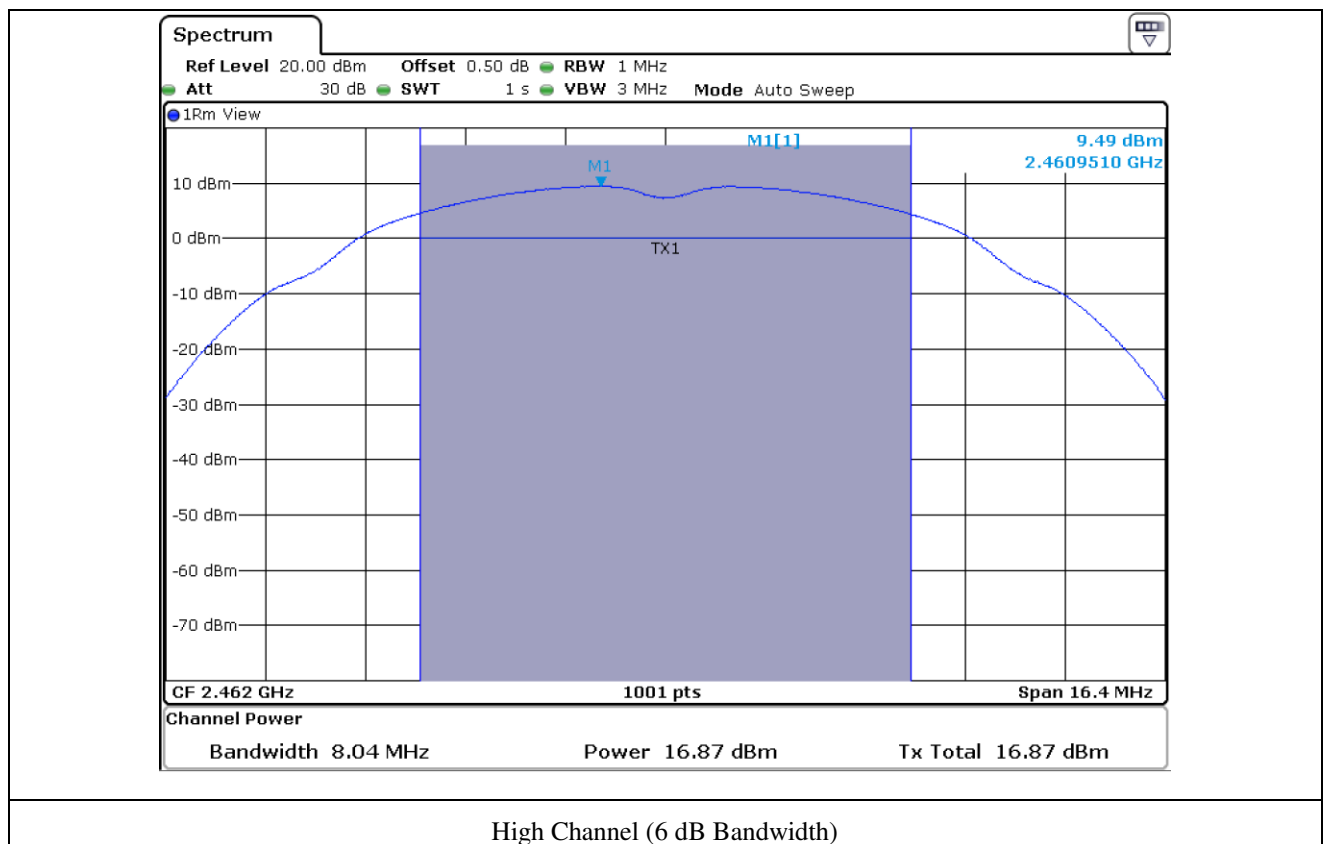
Tested by: Min-Gu, Ji / Project Engineer

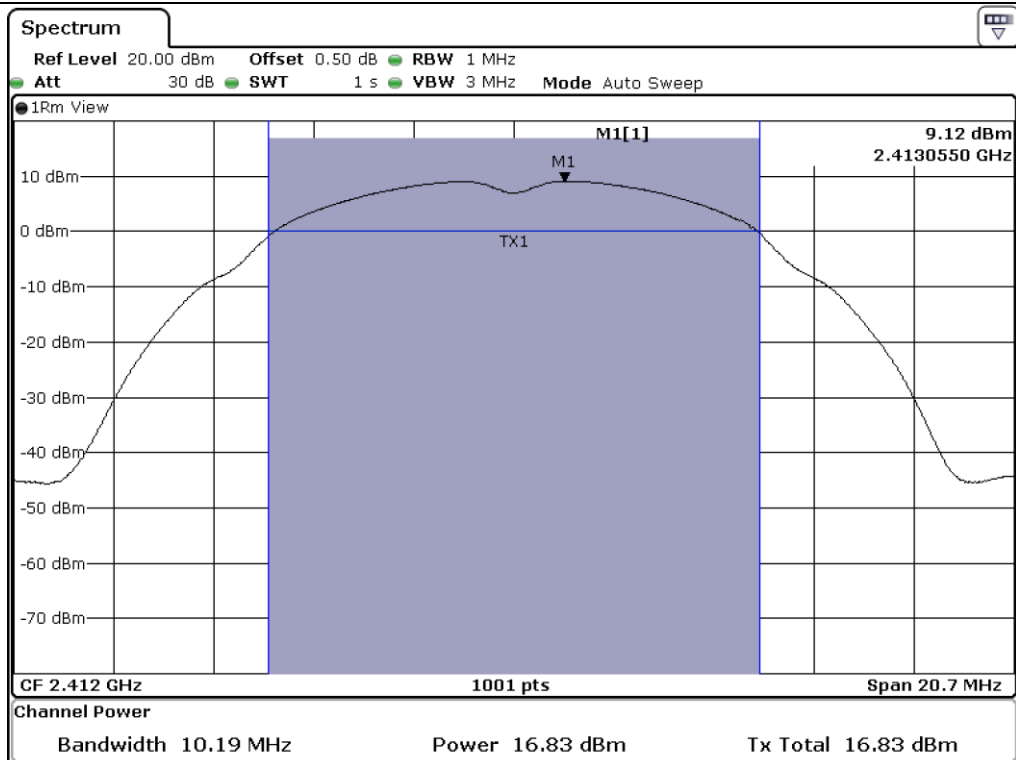


Low Channel (6 dB Bandwidth)

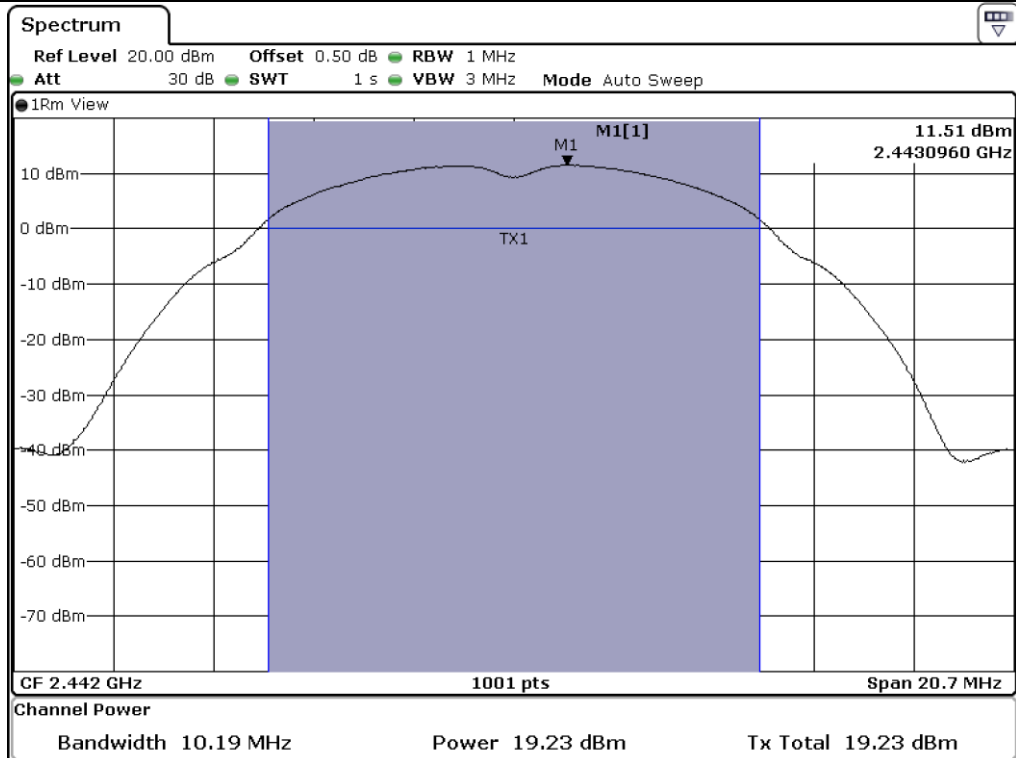


Middle Channel (6 dB Bandwidth)

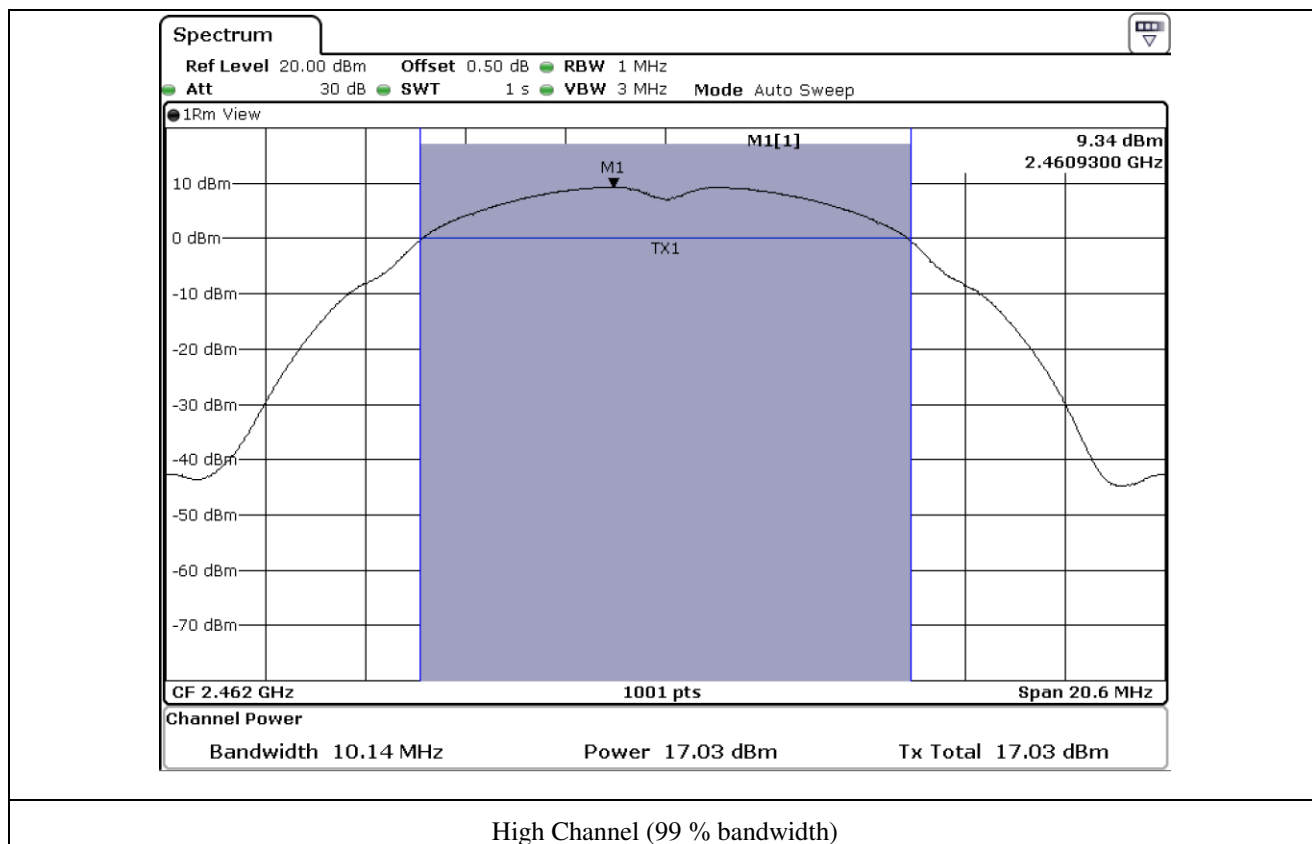




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.5.1.2 Test data for Antenna 1

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	7.99	17.22	30	12.78
MIDDLE	2 442	8.04	19.34	30	10.66
HIGH	2 462	8.09	17.13	30	12.87

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

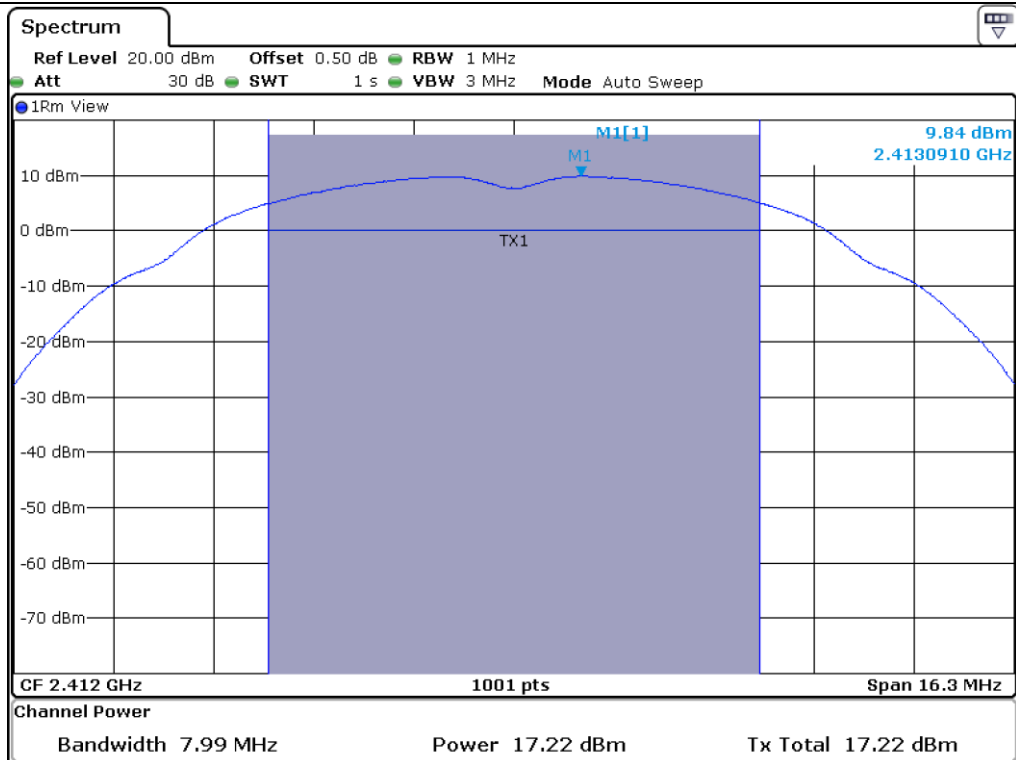
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	10.14	17.34	30	12.66
MIDDLE	2 442	10.14	19.67	30	10.33
HIGH	2 462	10.14	17.40	30	12.60

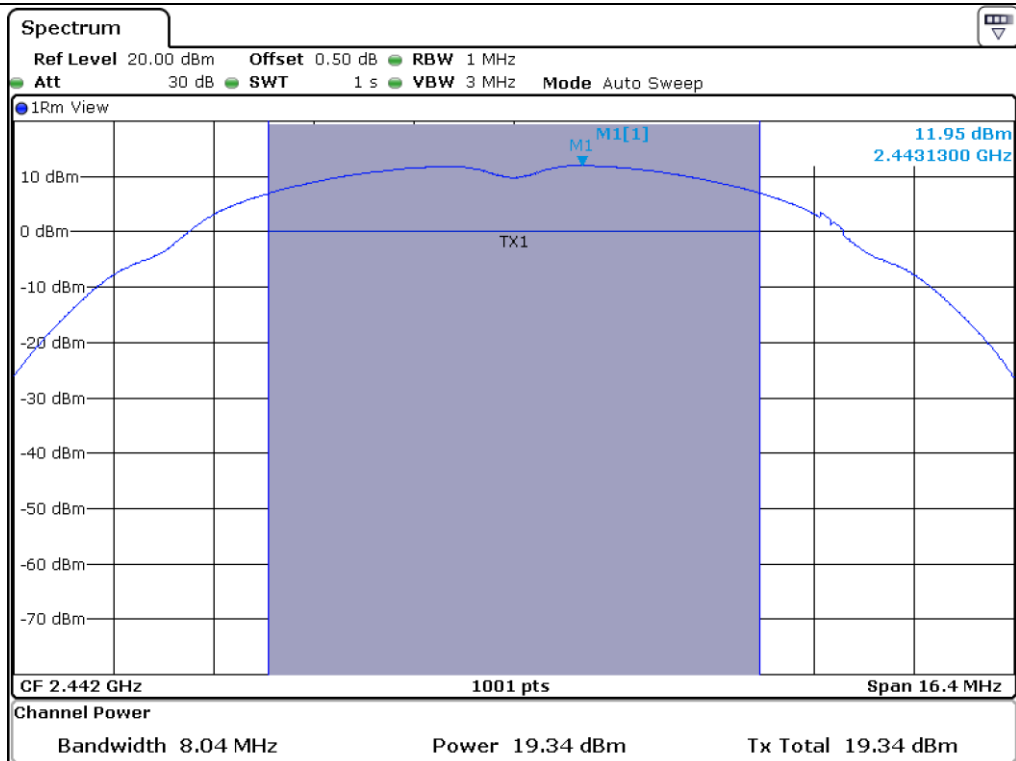
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



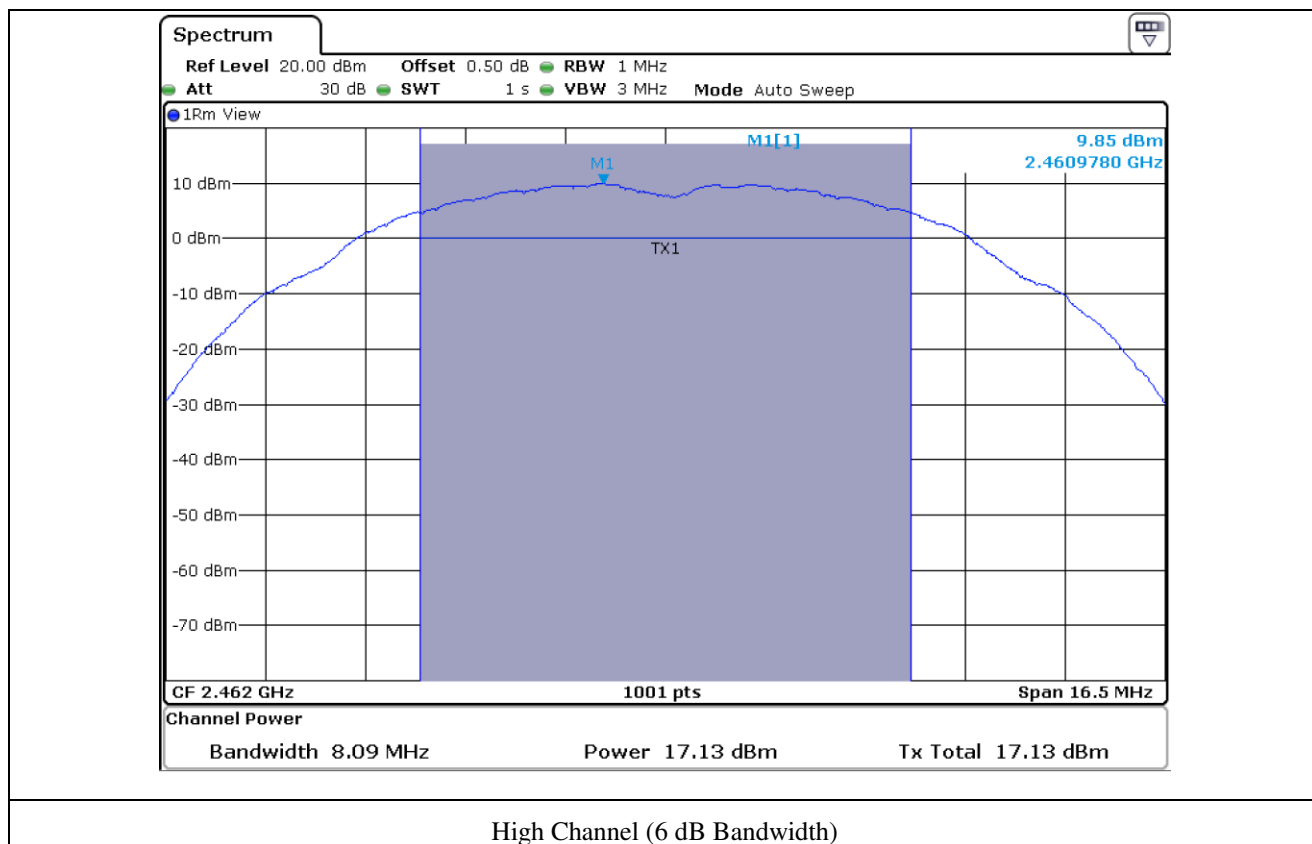
Tested by: Min-Gu, Ji / Project Engineer

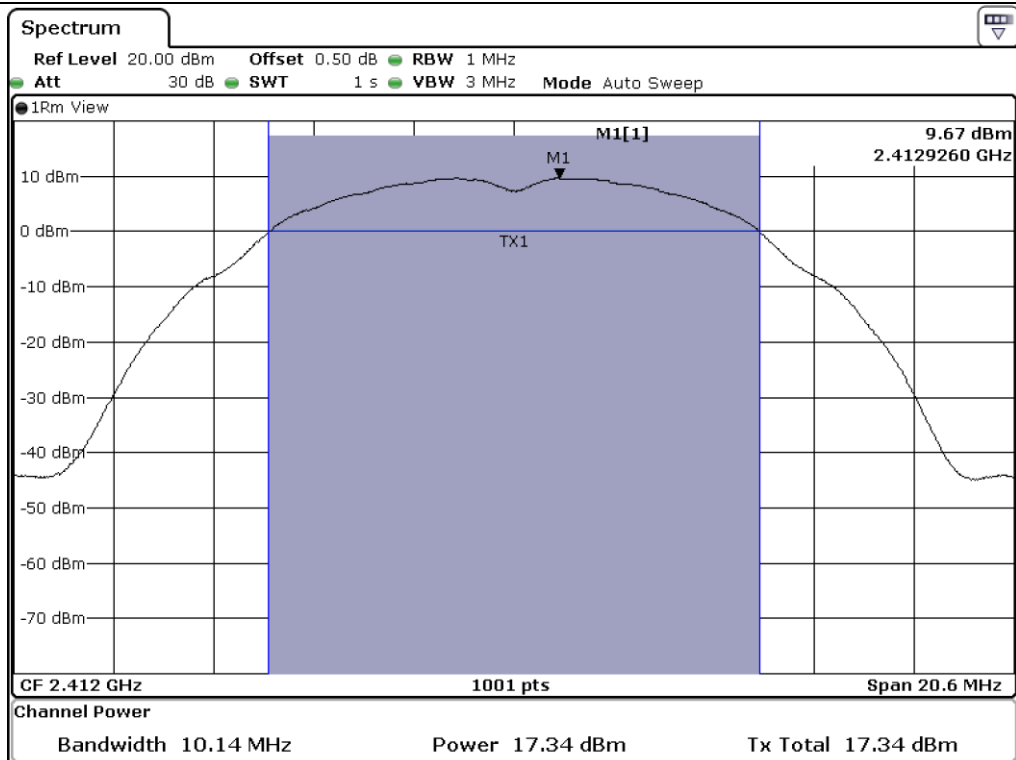


Low Channel (6 dB Bandwidth)

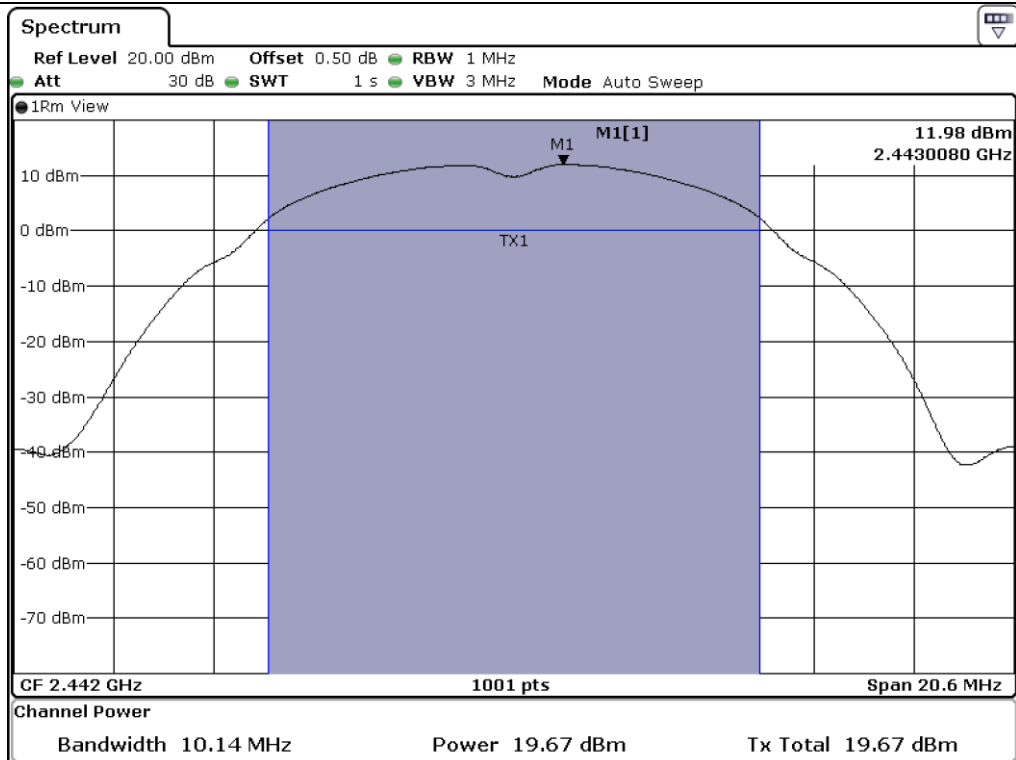


Middle Channel (6 dB Bandwidth)

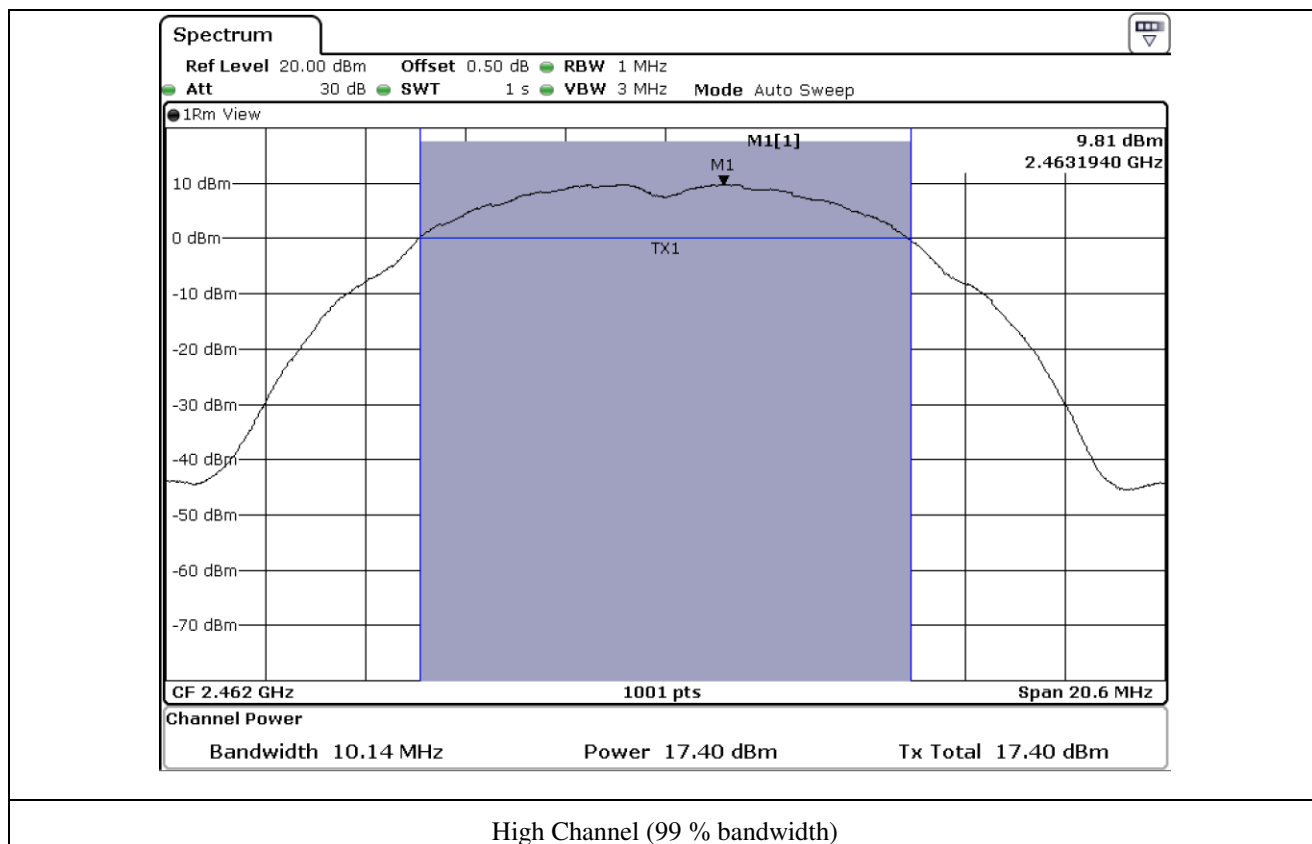




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.5.1.3 Test data for Antenna 2

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	8.04	16.24	30	13.76
MIDDLE	2 442	8.04	18.50	30	11.50
HIGH	2 462	8.04	16.37	30	13.63

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

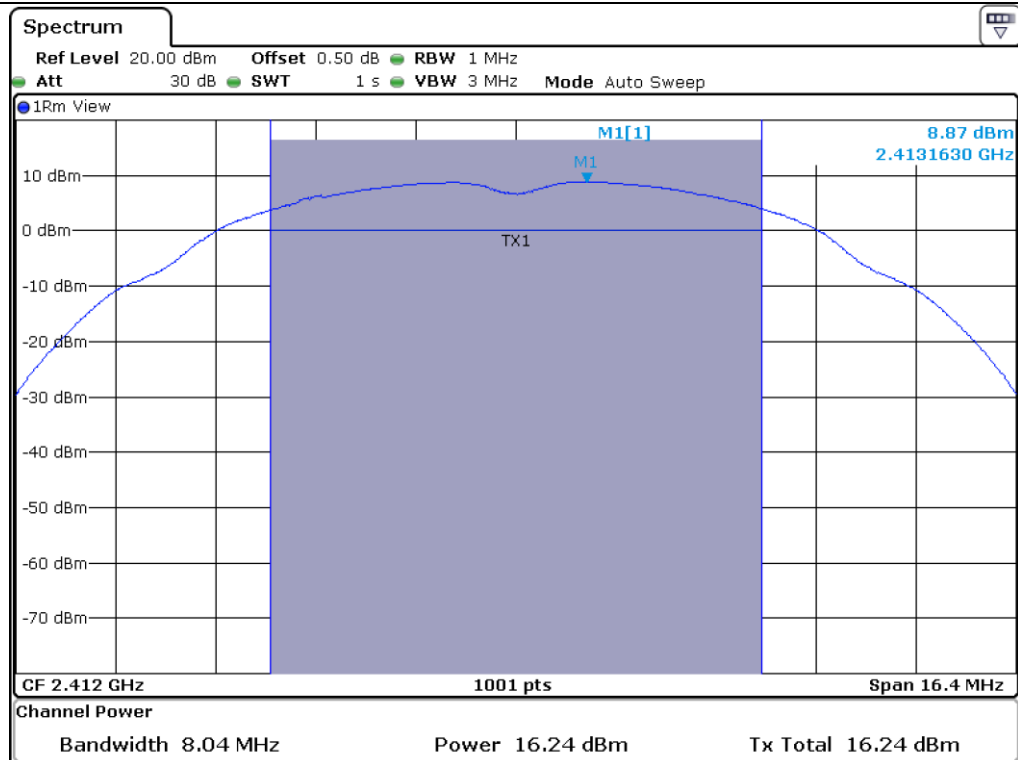
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	10.14	16.63	30	13.37
MIDDLE	2 442	10.14	18.85	30	11.15
HIGH	2 462	10.14	16.85	30	13.15

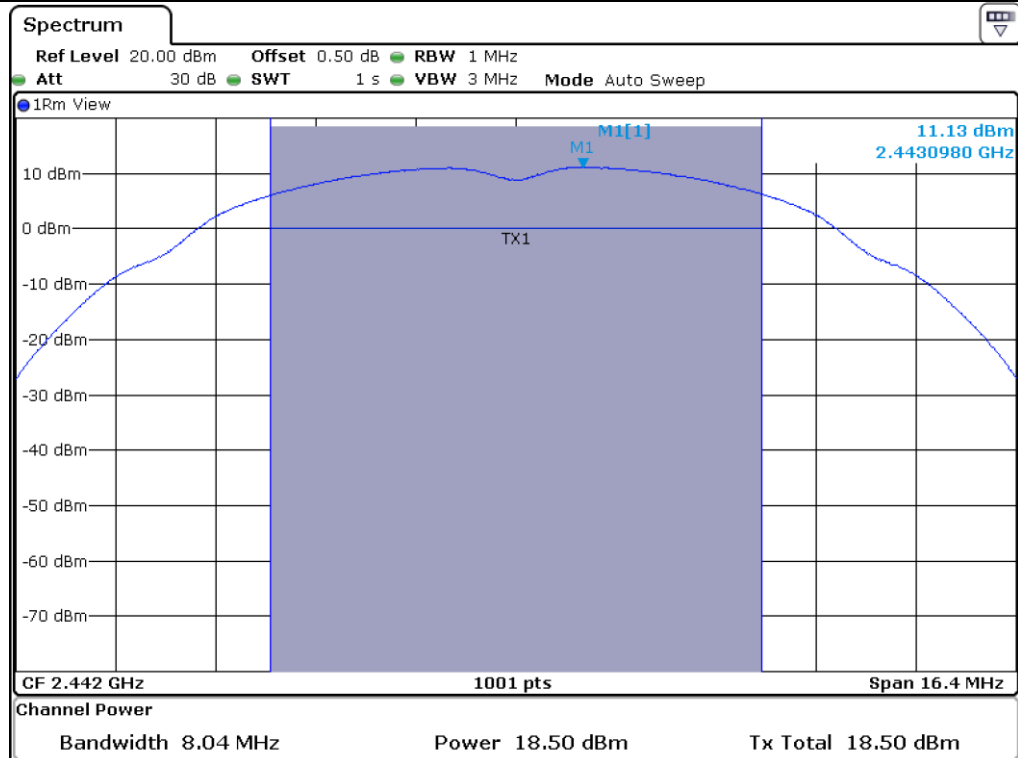
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



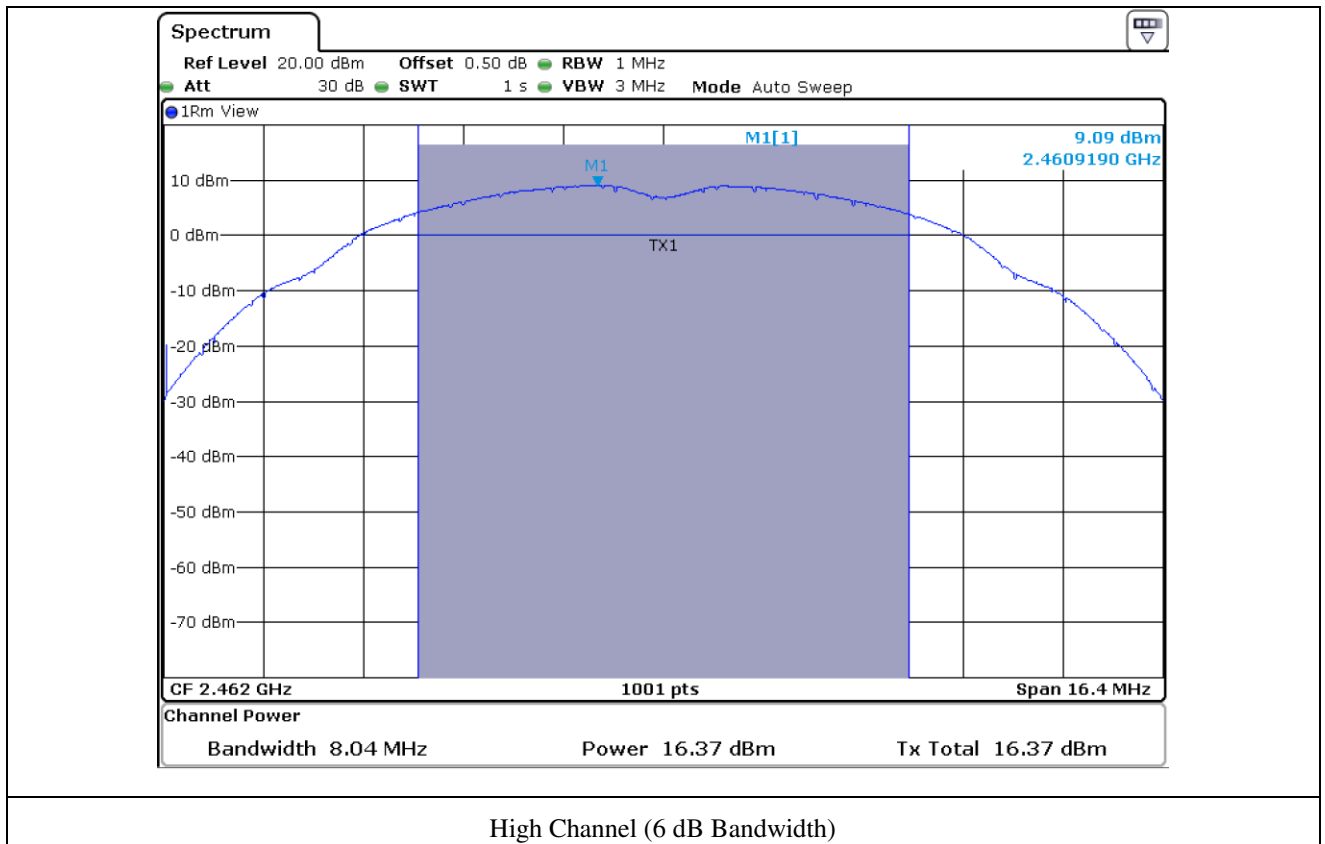
Tested by: Min-Gu, Ji / Project Engineer

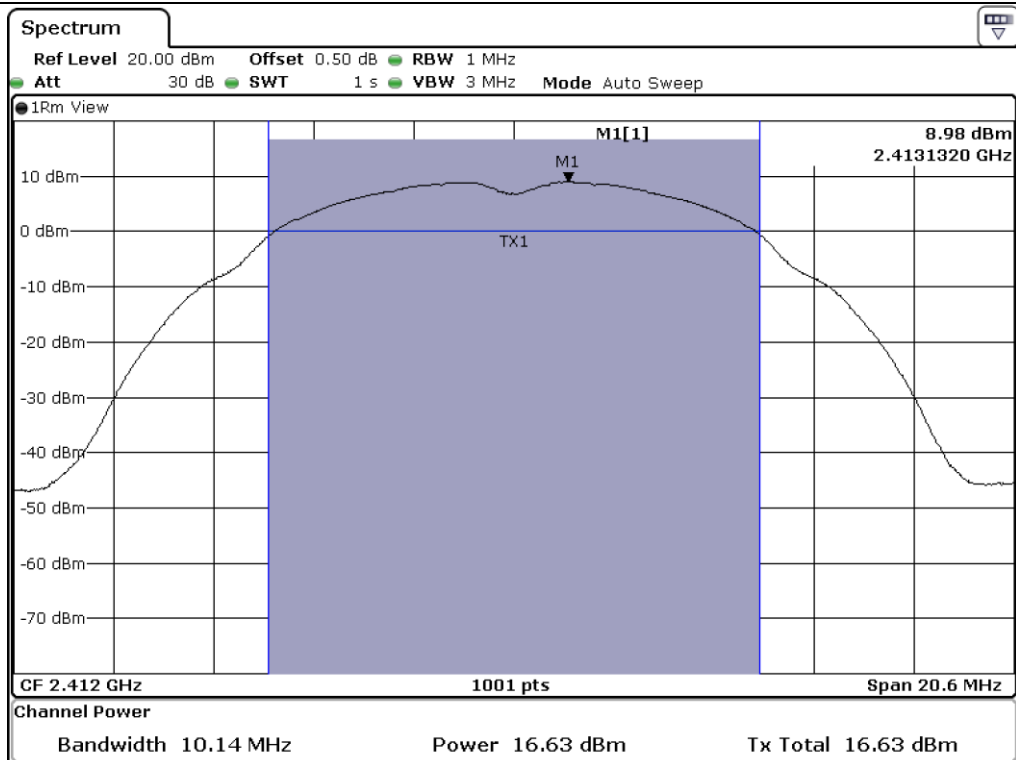


Low Channel (6 dB Bandwidth)

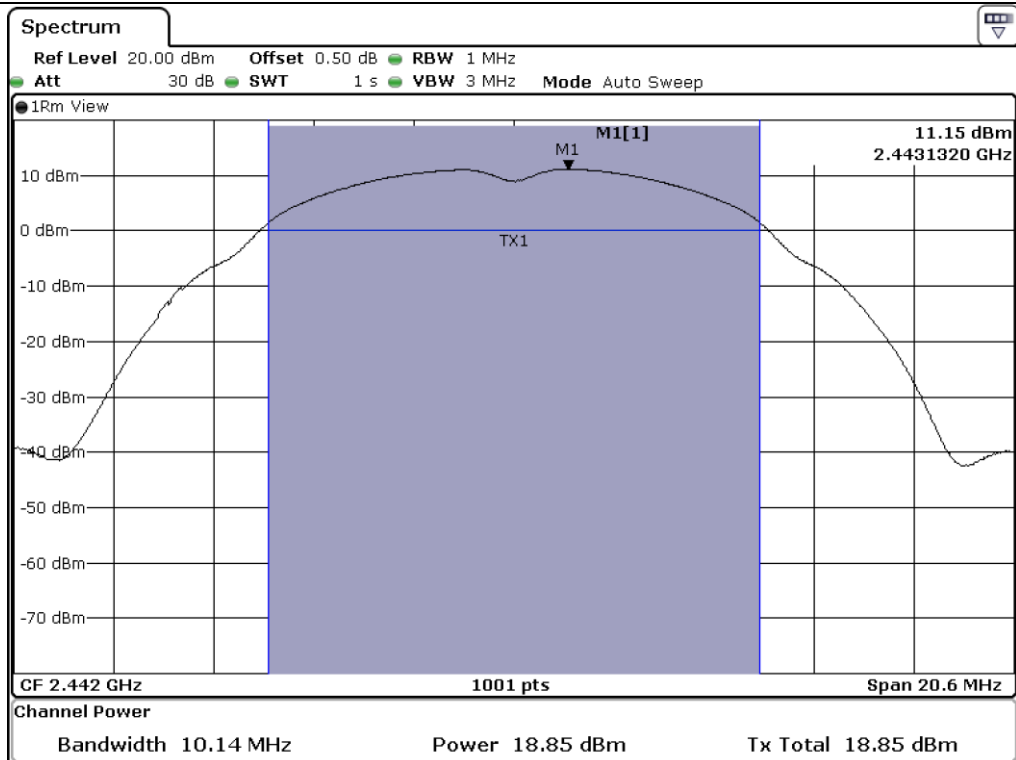


Middle Channel (6 dB Bandwidth)

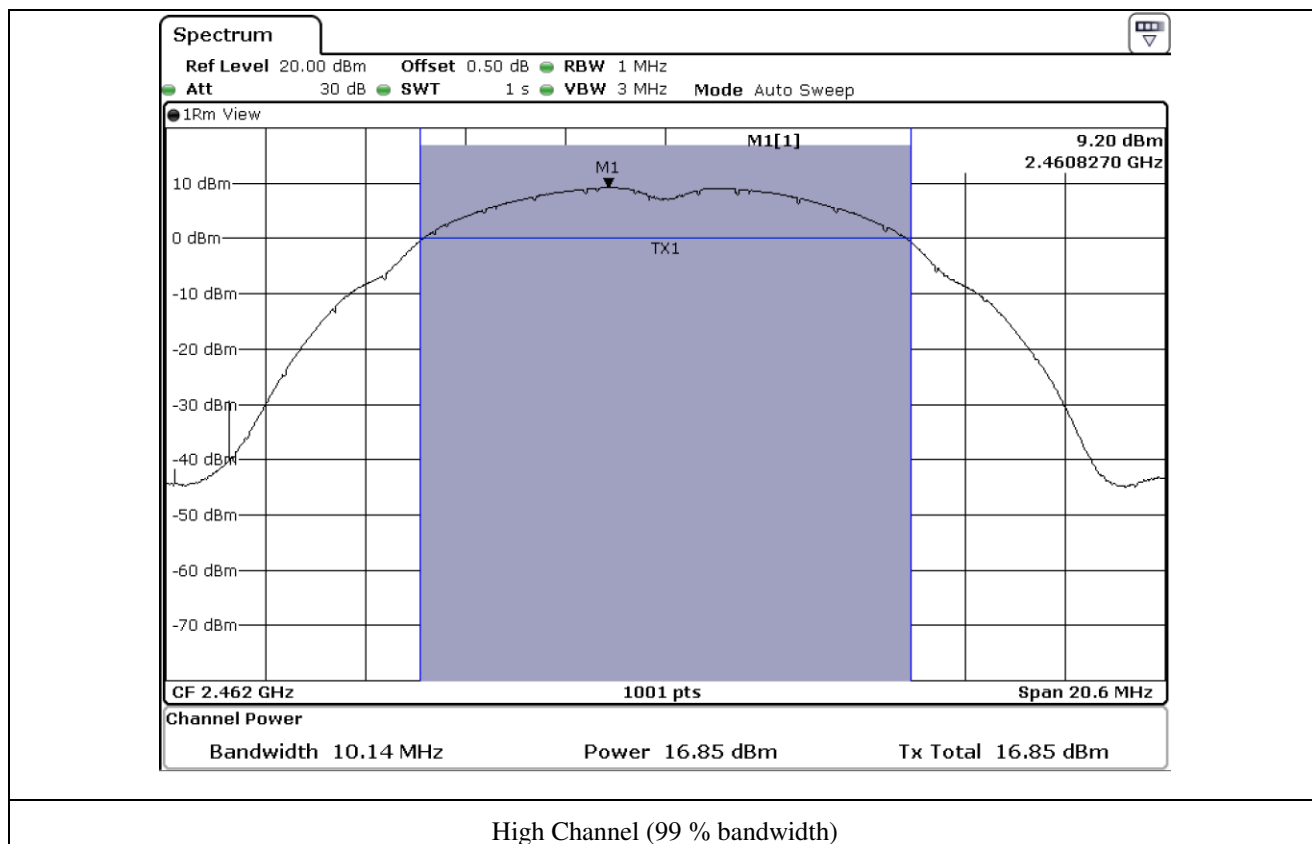




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.5.1.4 Test data for Antenna 3

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	8.04	16.38	30	13.62
MIDDLE	2 442	8.04	18.46	30	11.54
HIGH	2 462	8.04	16.12	30	13.88

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

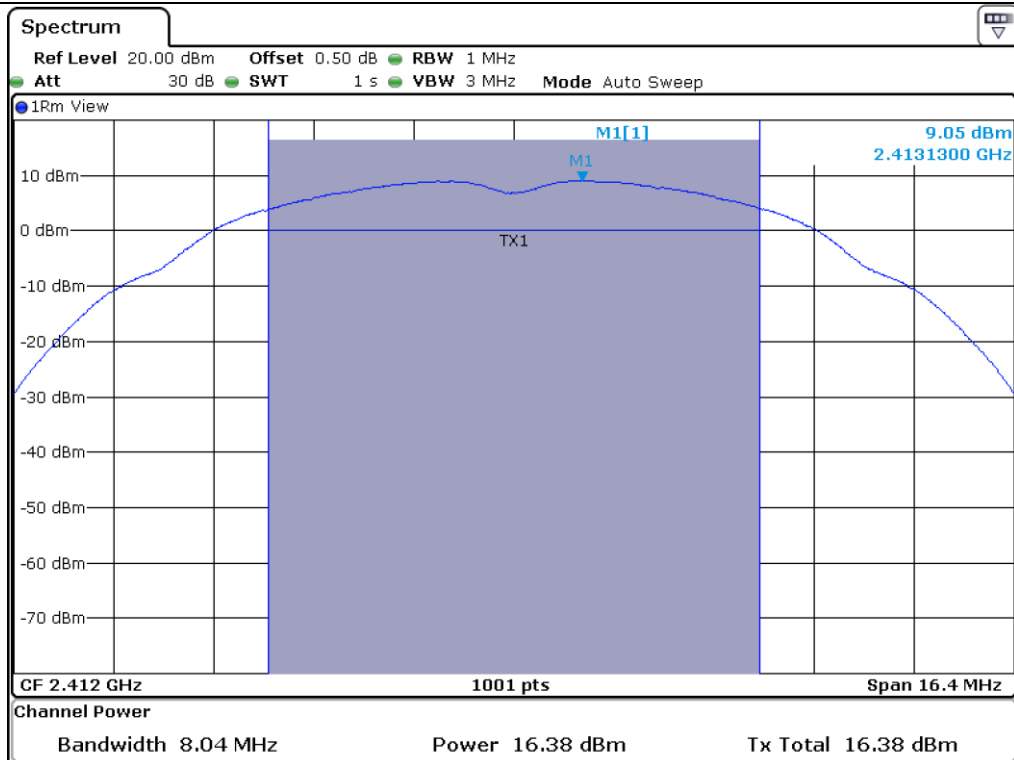
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	10.14	16.73	30	13.27
MIDDLE	2 442	10.14	18.95	30	11.05
HIGH	2 462	10.14	16.89	30	13.11

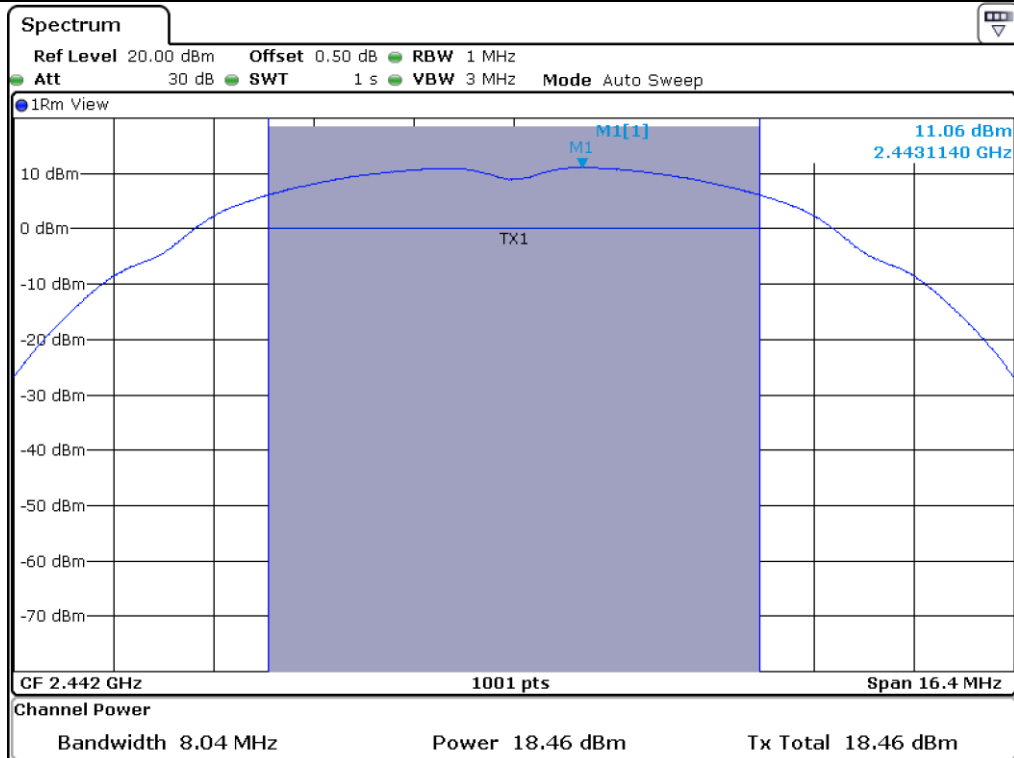
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



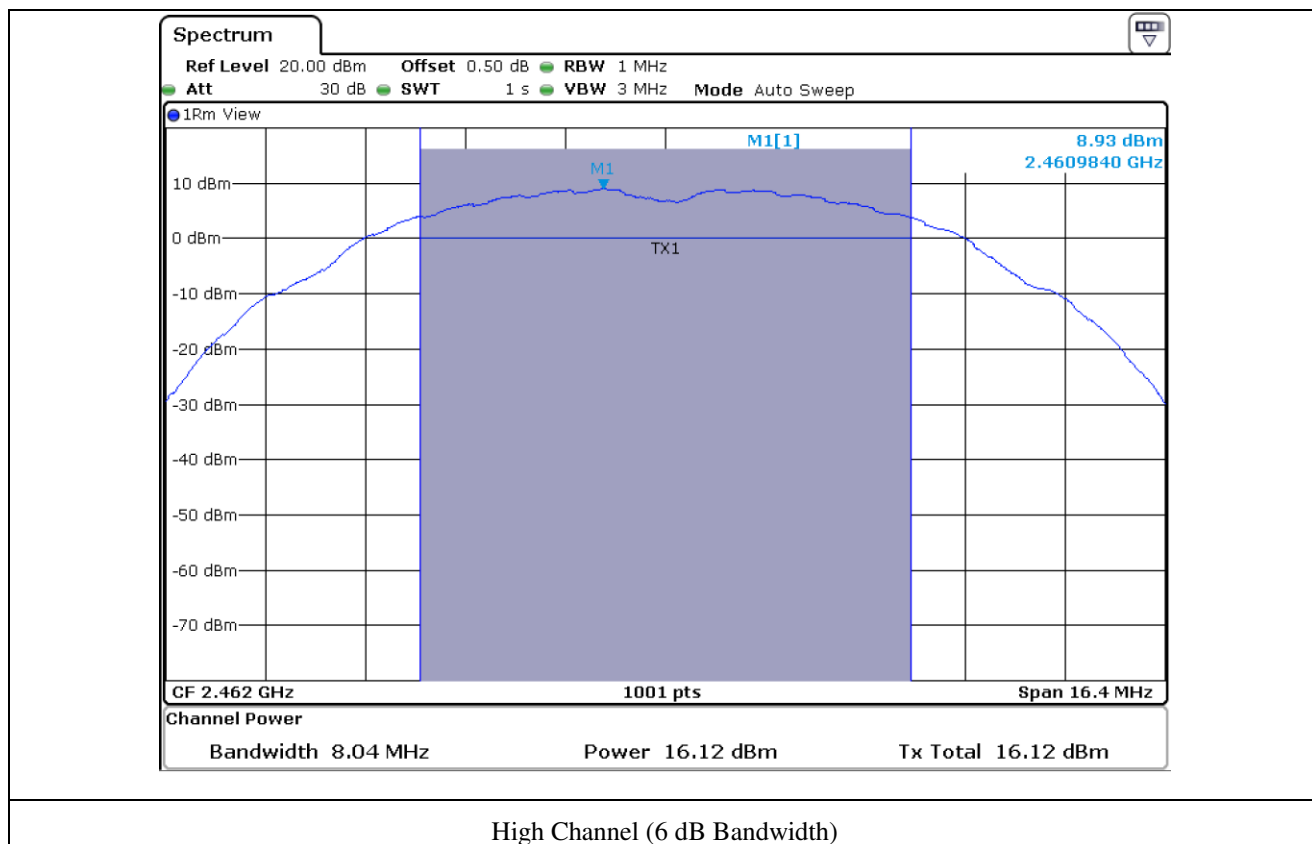
Tested by: Min-Gu, Ji / Project Engineer

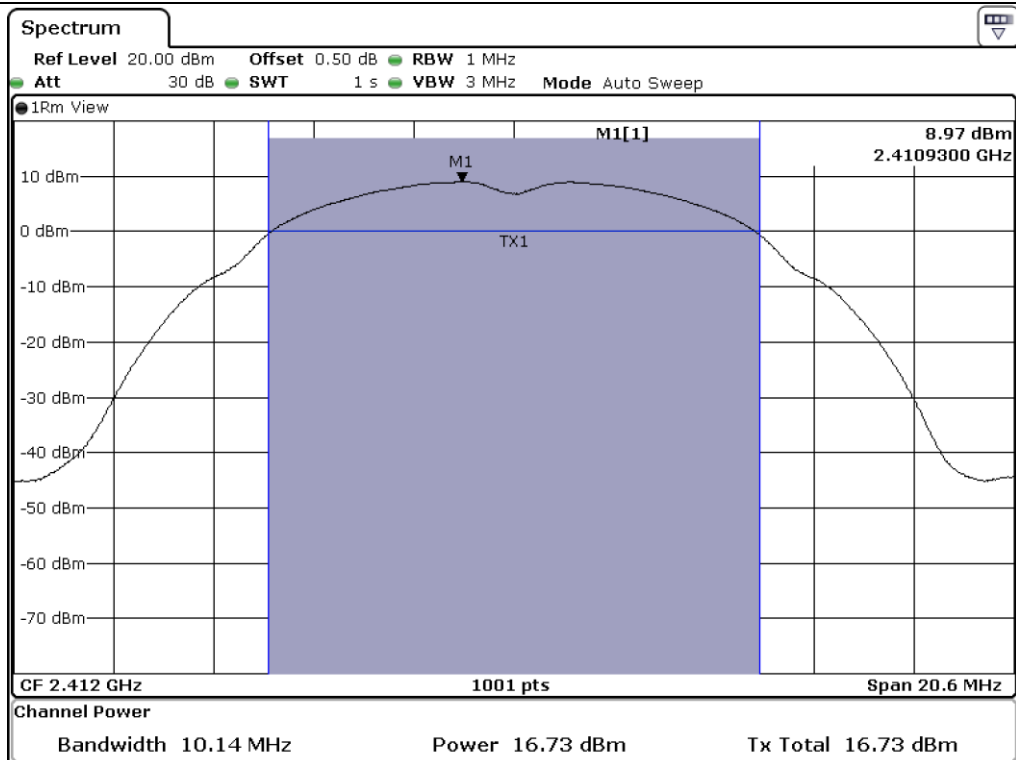


Low Channel (6 dB Bandwidth)

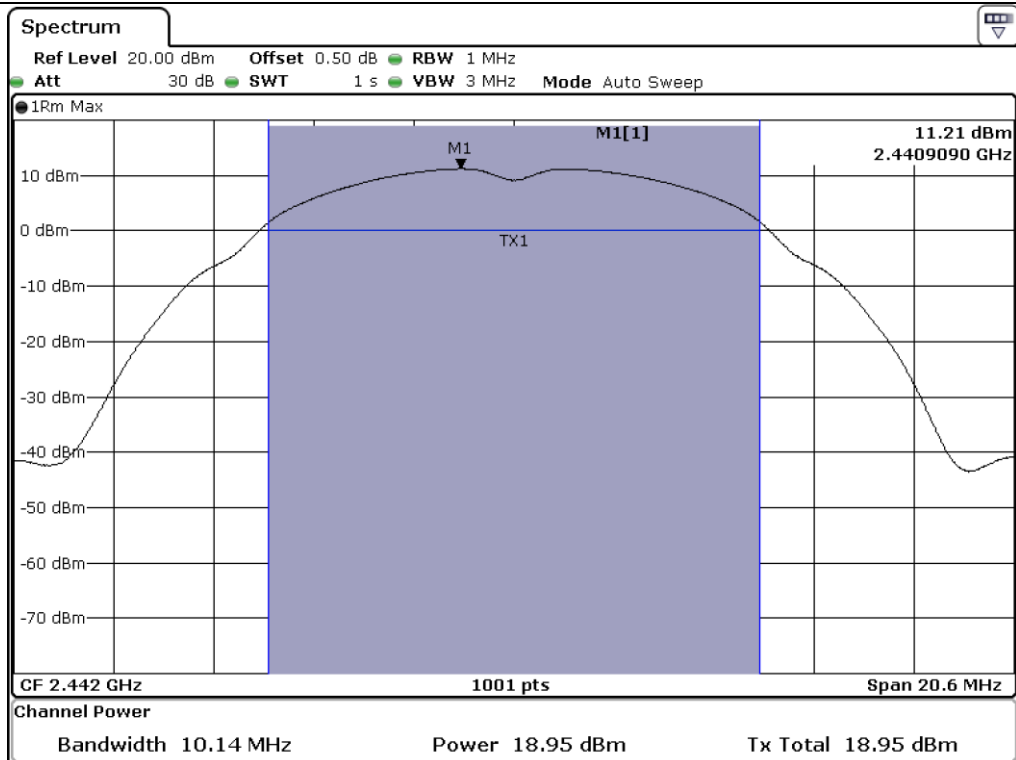


Middle Channel (6 dB Bandwidth)

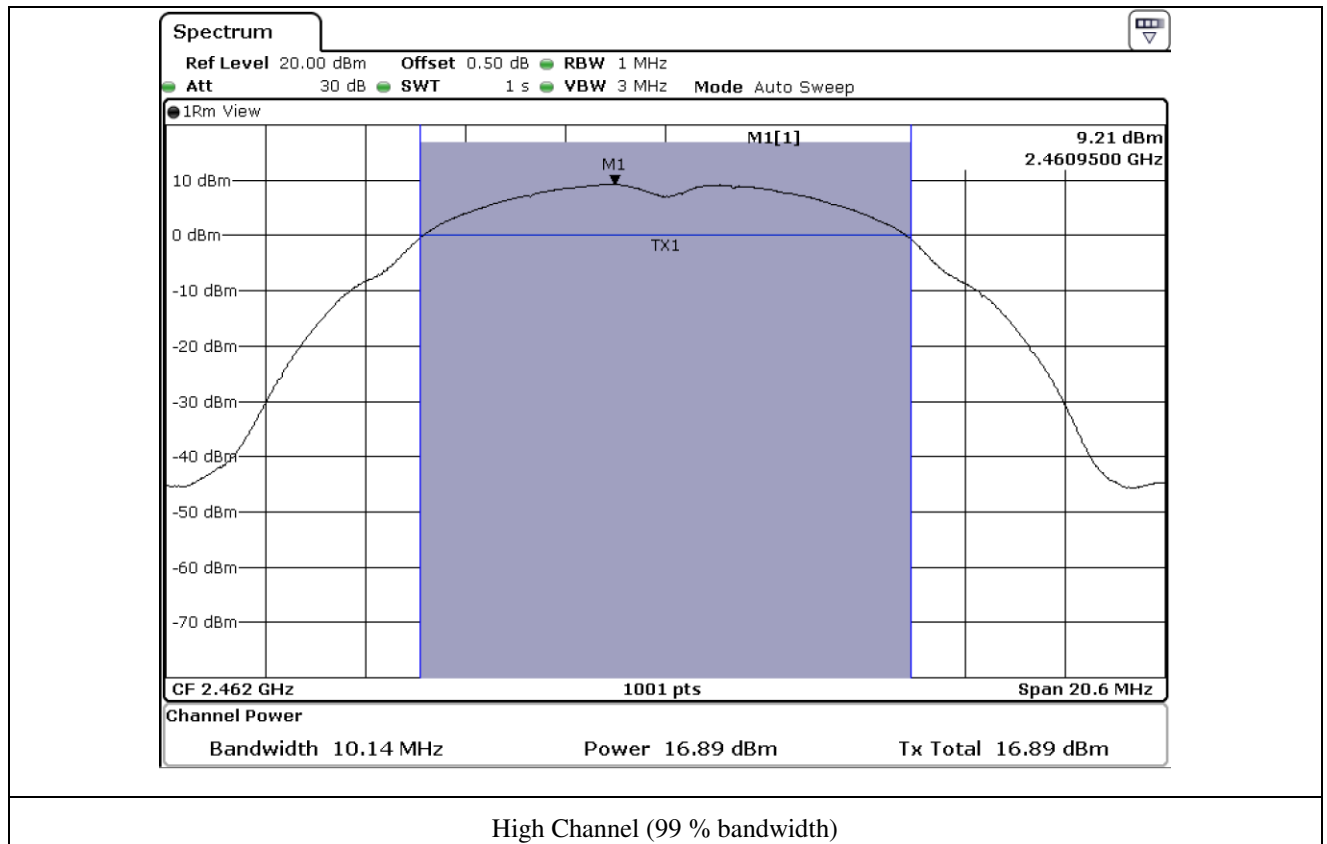




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.5.1.5 Test data for Multiple transmit

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	CALCULATED OUTPUT POWER (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	8.09	22.66	30	7.34
MIDDLE	2 442	8.04	24.90	30	5.10
HIGH	2 462	8.09	22.66	30	7.34

Remark 1 : Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2 : Calculated Output Power= $10\log (10^{(\text{Antenna0 Output Power}/10)}+10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

Remark 3 : Limit = 30 dBm – Exceeds Antenna gain

Remark 4 : Exceeds Antenna gain = $10\log (10^{(\text{Antenna0 Output Power}/10)}+10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	CALCULATED OUTPUT POWER (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	16.33	22.91	30	7.09
MIDDLE	2 442	16.28	25.21	30	4.79
HIGH	2 462	16.33	23.07	30	6.93

Remark 1 : Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

Remark 2 : Calculated Output Power= $10\log (10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$

Remark 3 : Limit = 30 dBm – Exceeds Antenna gain

Remark 4 : Exceeds Antenna gain = $10\log (10^{(\text{Antenna0 Output Power}/10)}+10^{(\text{Antenna1 Output Power}/10)}+10^{(\text{Antenna2 Output Power}/10)})$



Tested by: Min-Gu, Ji / Project Engineer

8.5.2 Test data for 802.11g WLAN Mode

8.5.2.1 Test data for Antenna 0

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	15.49	11.13	30	18.87
MIDDLE	2 442	15.19	18.96	30	11.04
HIGH	2 462	15.14	12.40	30	17.60

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

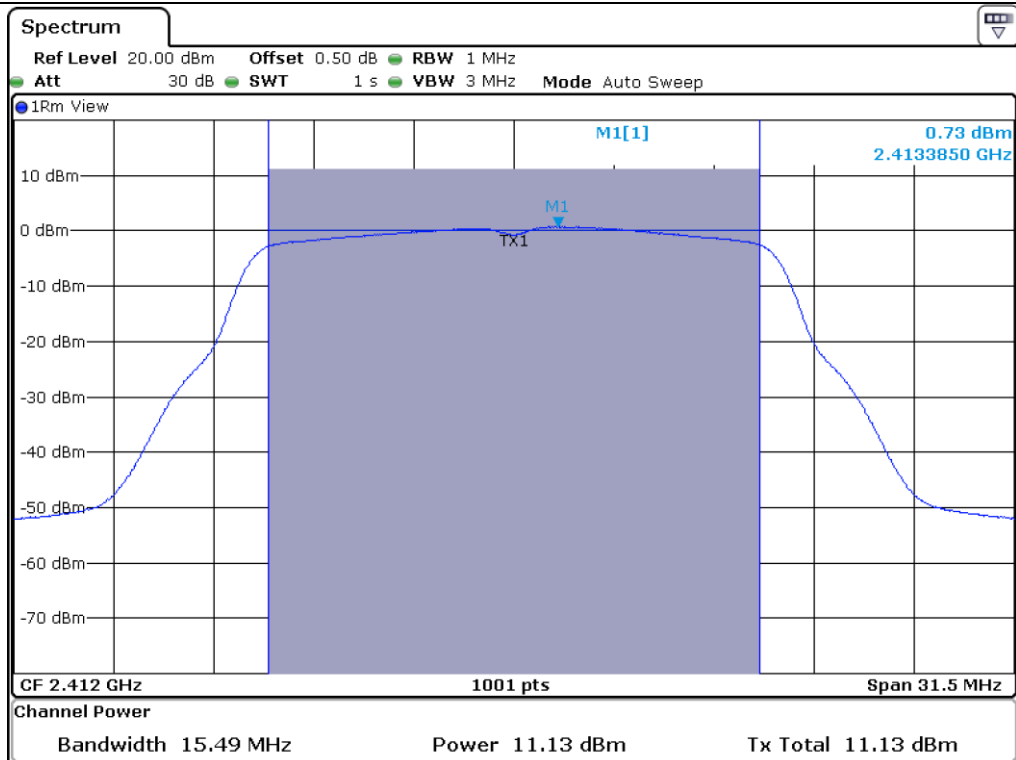
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	16.33	11.05	30	18.95
MIDDLE	2 442	16.28	18.90	30	11.10
HIGH	2 462	16.33	12.41	30	17.59

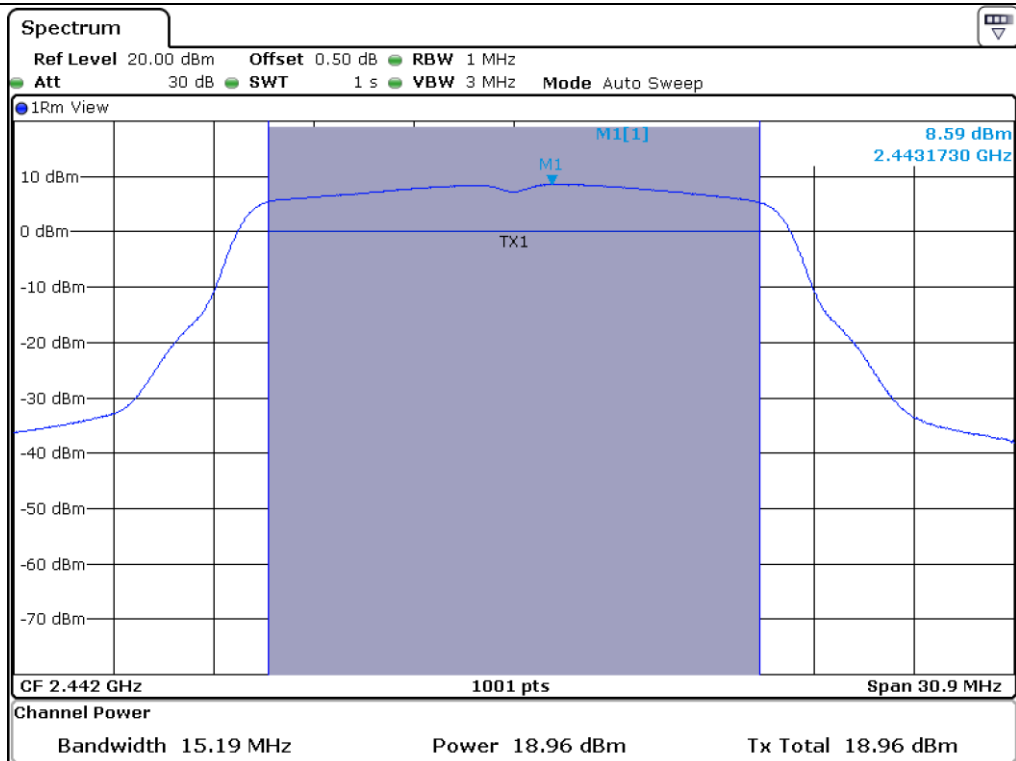
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



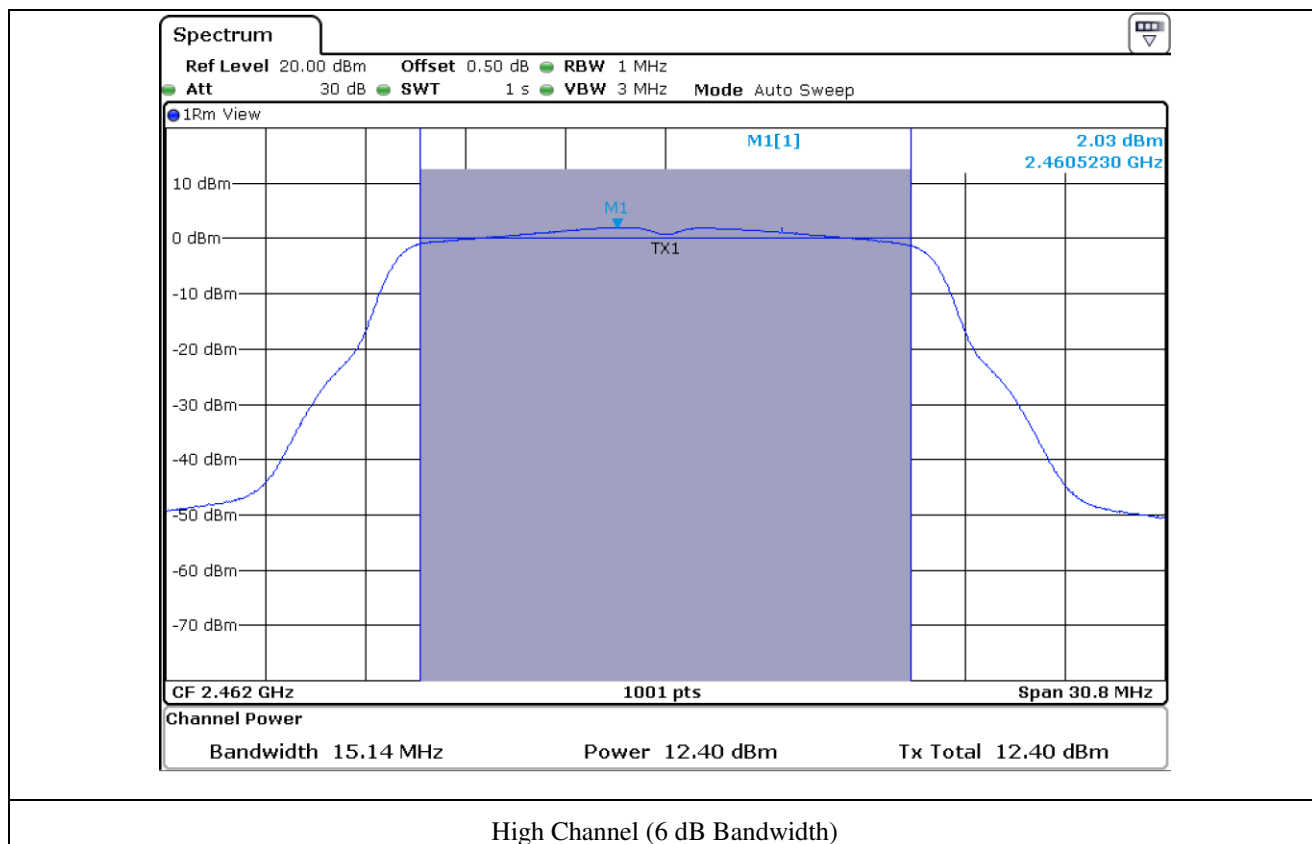
Tested by: Min-Gu, Ji / Project Engineer

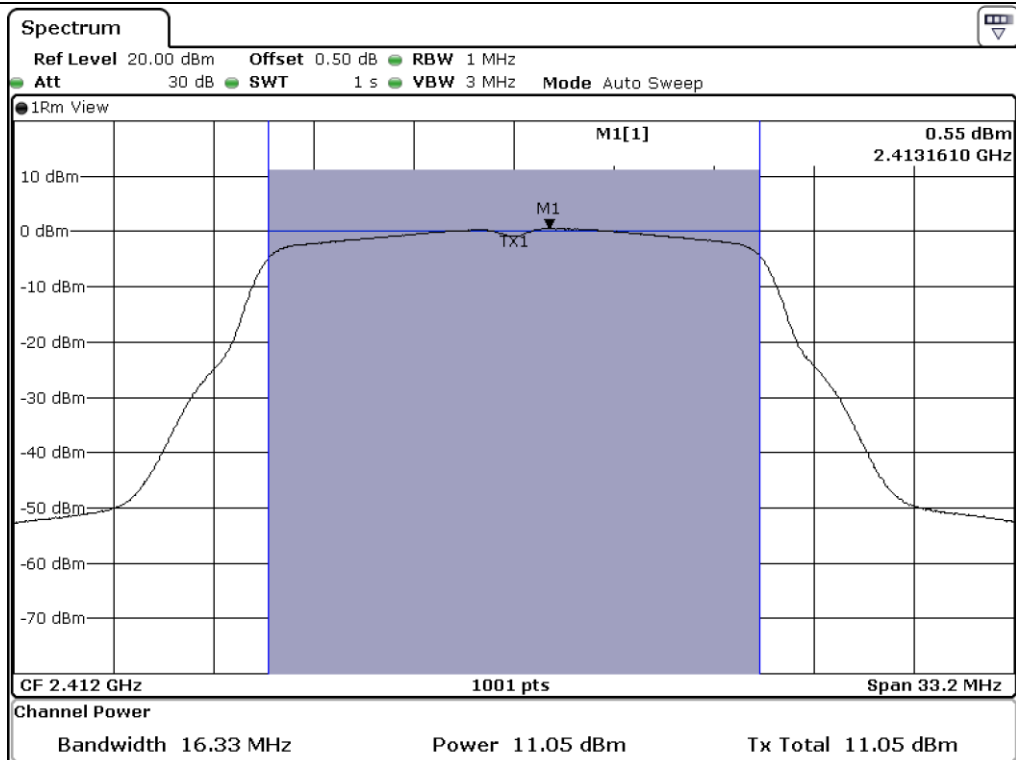


Low Channel (6 dB Bandwidth)

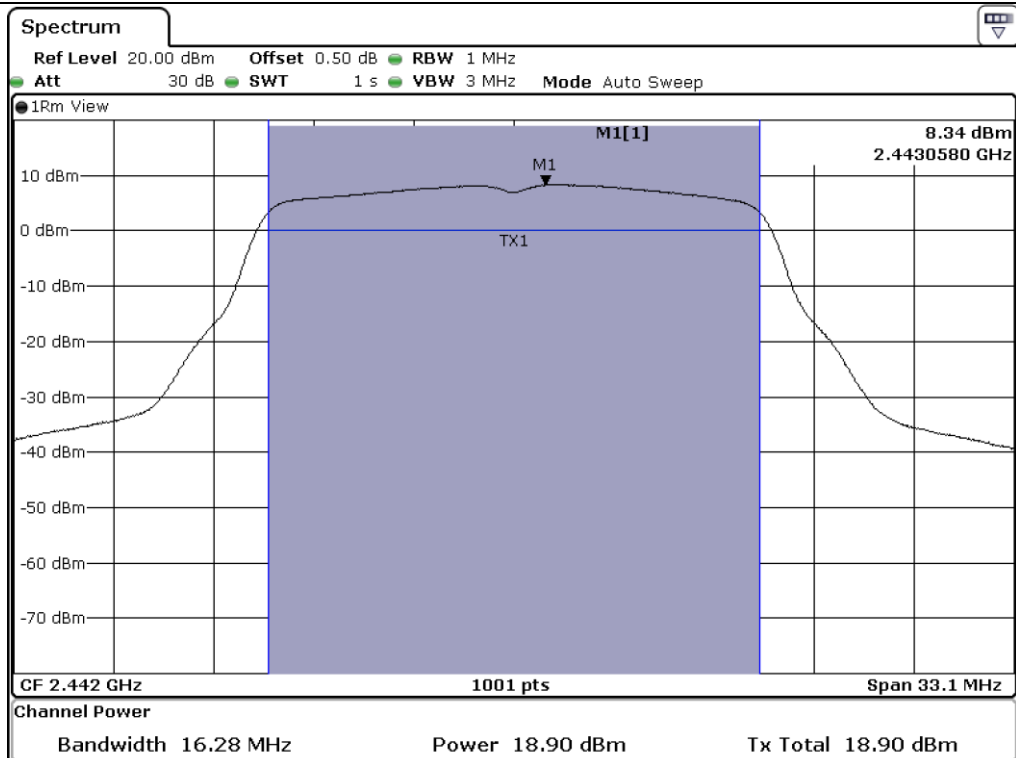


Middle Channel (6 dB Bandwidth)

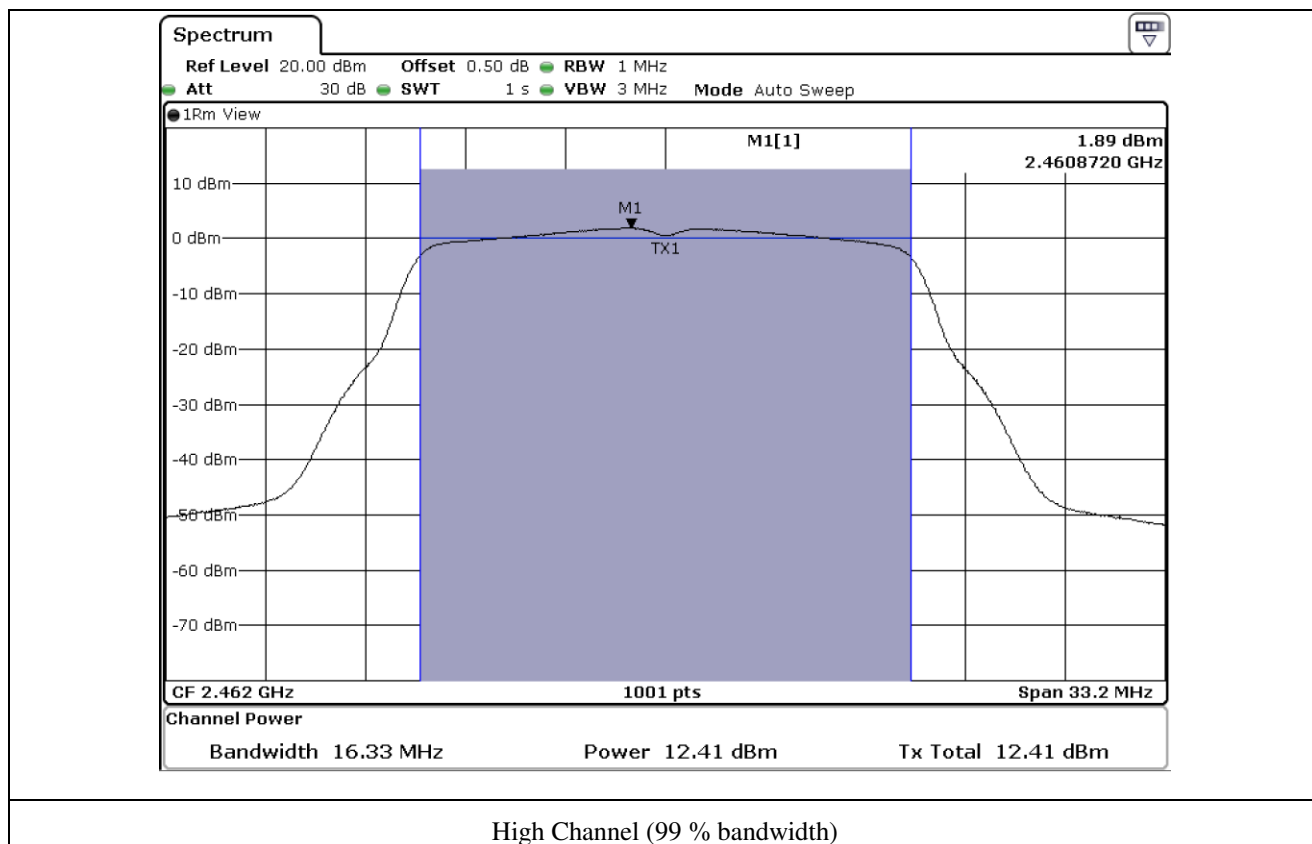




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.5.2.2 Test data for Antenna 1

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	15.19	11.42	30	18.58
MIDDLE	2 442	15.19	19.40	30	10.60
HIGH	2 462	15.19	12.86	30	17.14

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

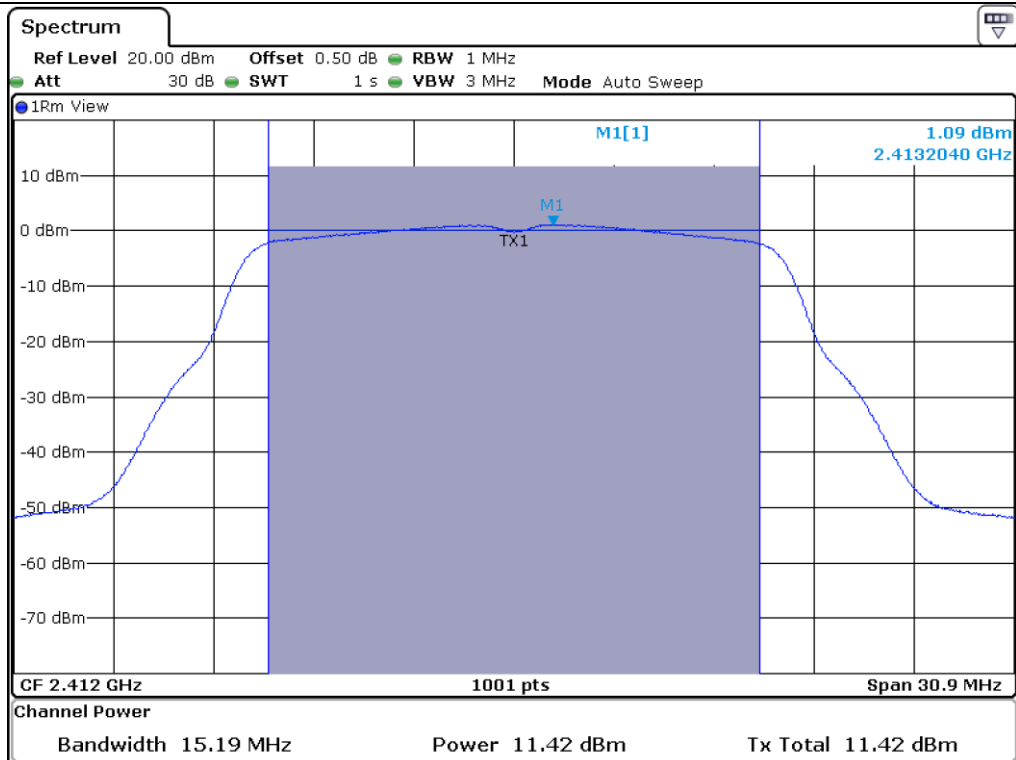
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	16.33	11.55	30	18.45
MIDDLE	2 442	16.28	19.57	30	10.43
HIGH	2 462	16.33	13.03	30	16.97

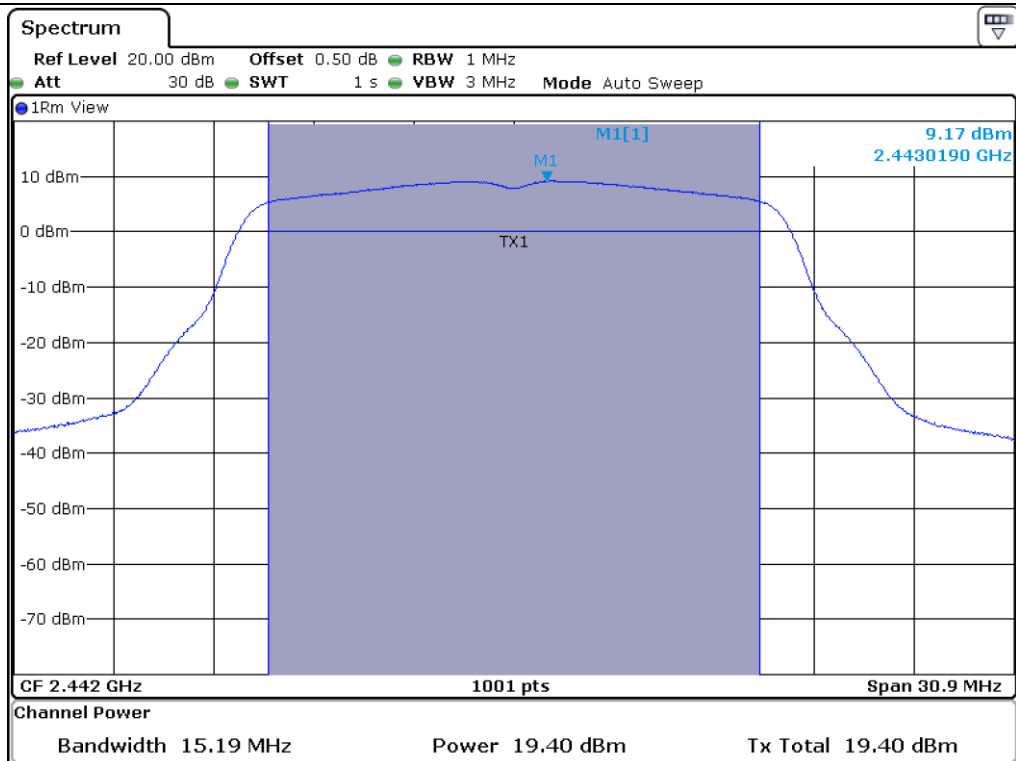
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



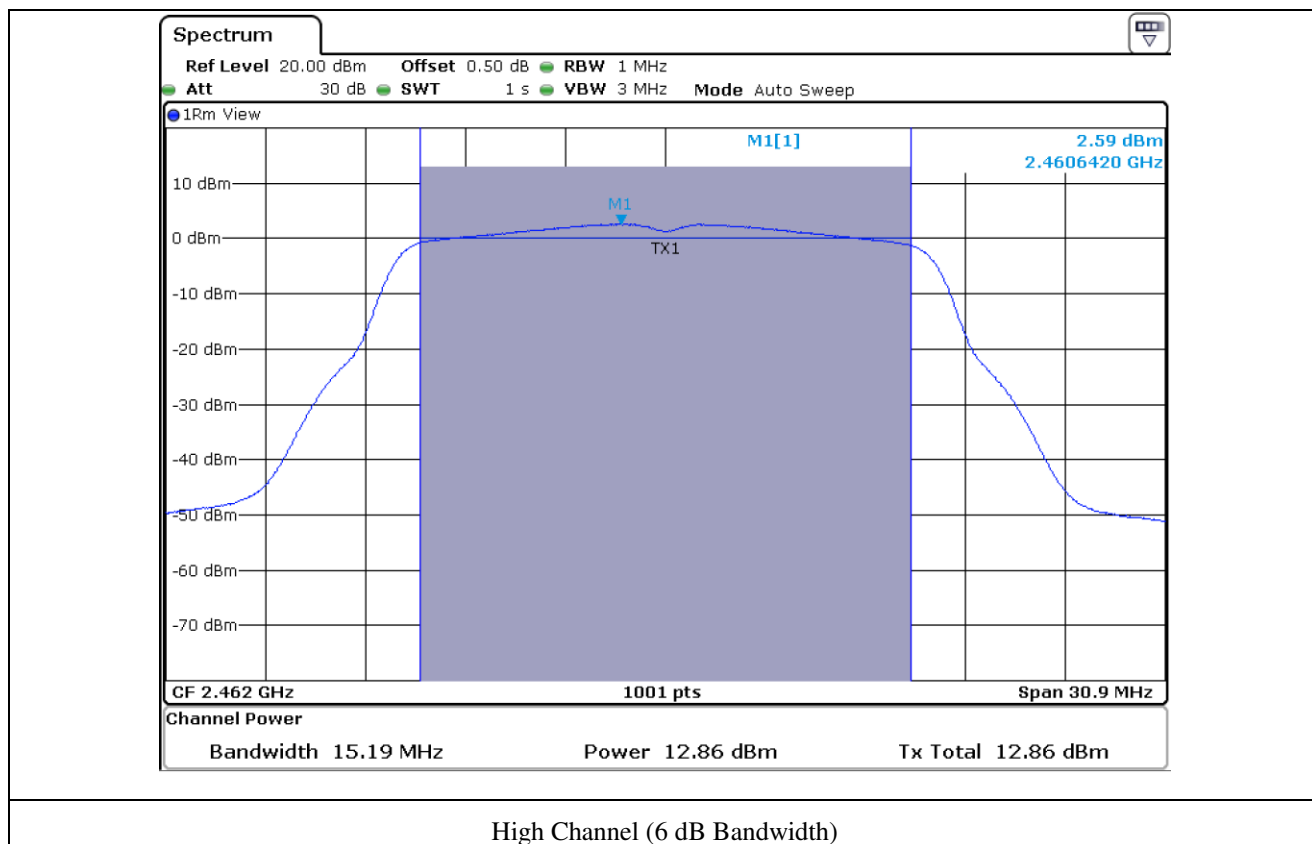
Tested by: Min-Gu, Ji / Project Engineer

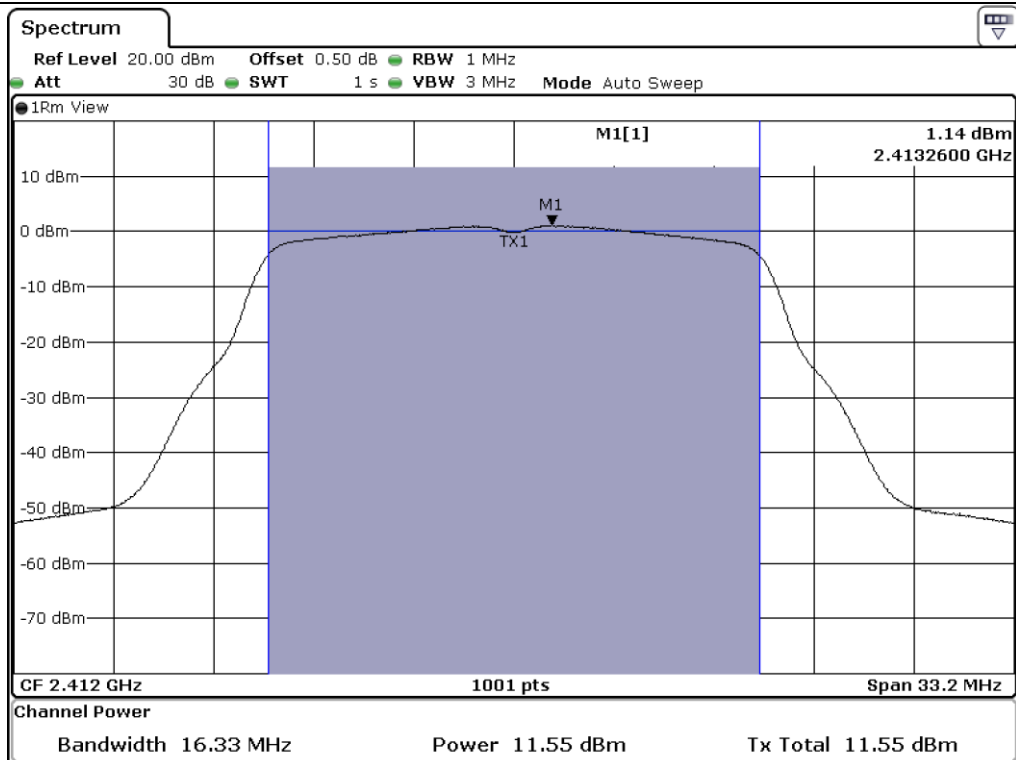


Low Channel (6 dB Bandwidth)

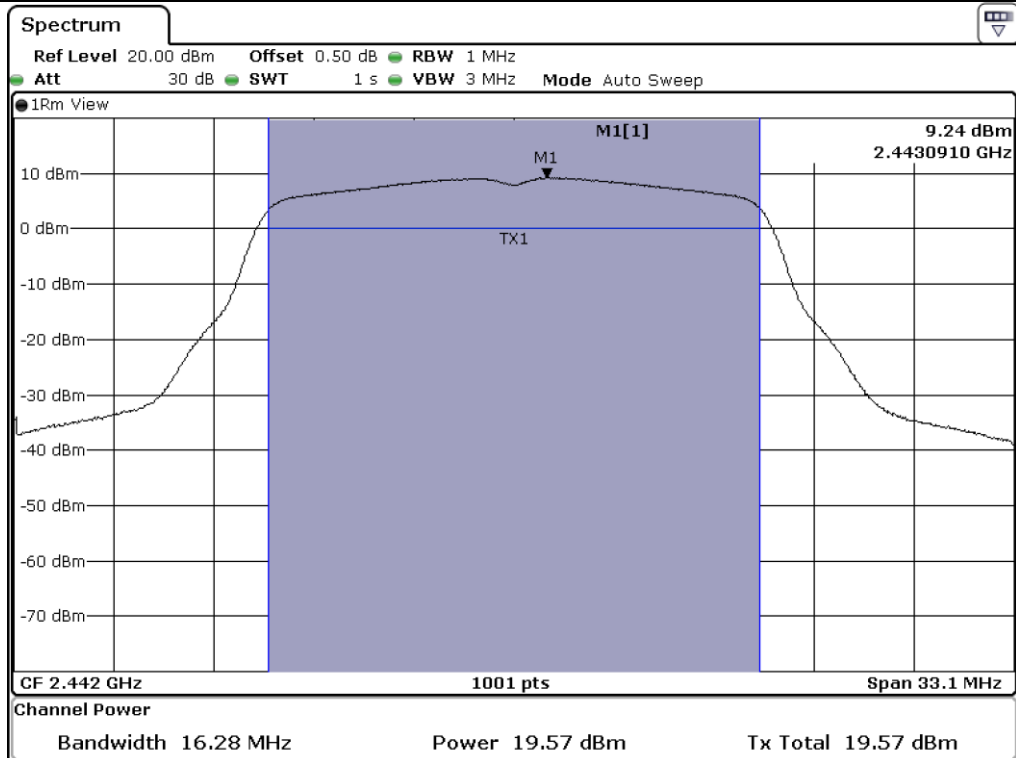


Middle Channel (6 dB Bandwidth)

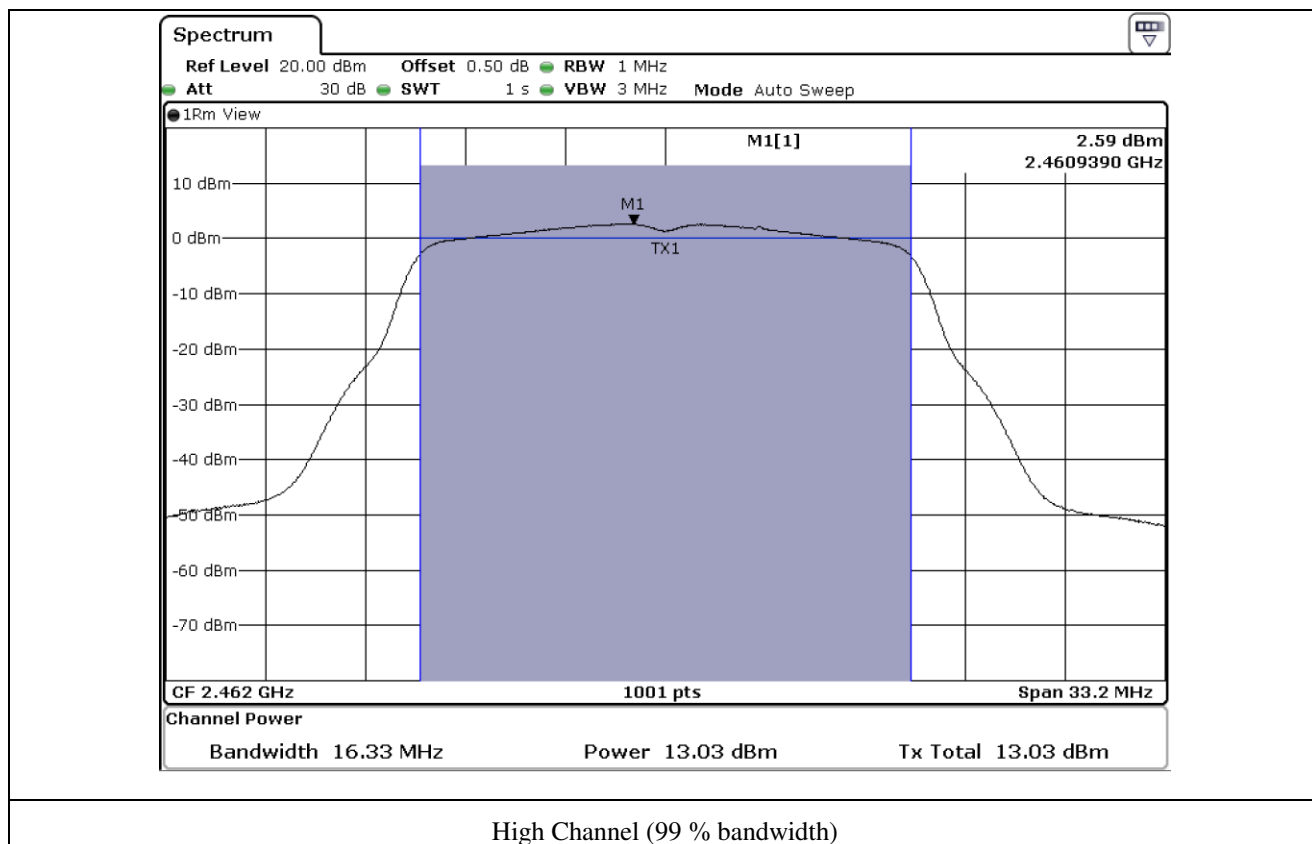




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.5.2.3 Test data for Antenna 2

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	15.19	10.80	30	19.20
MIDDLE	2 442	15.19	19.26	30	10.74
HIGH	2 462	15.19	12.28	30	17.72

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

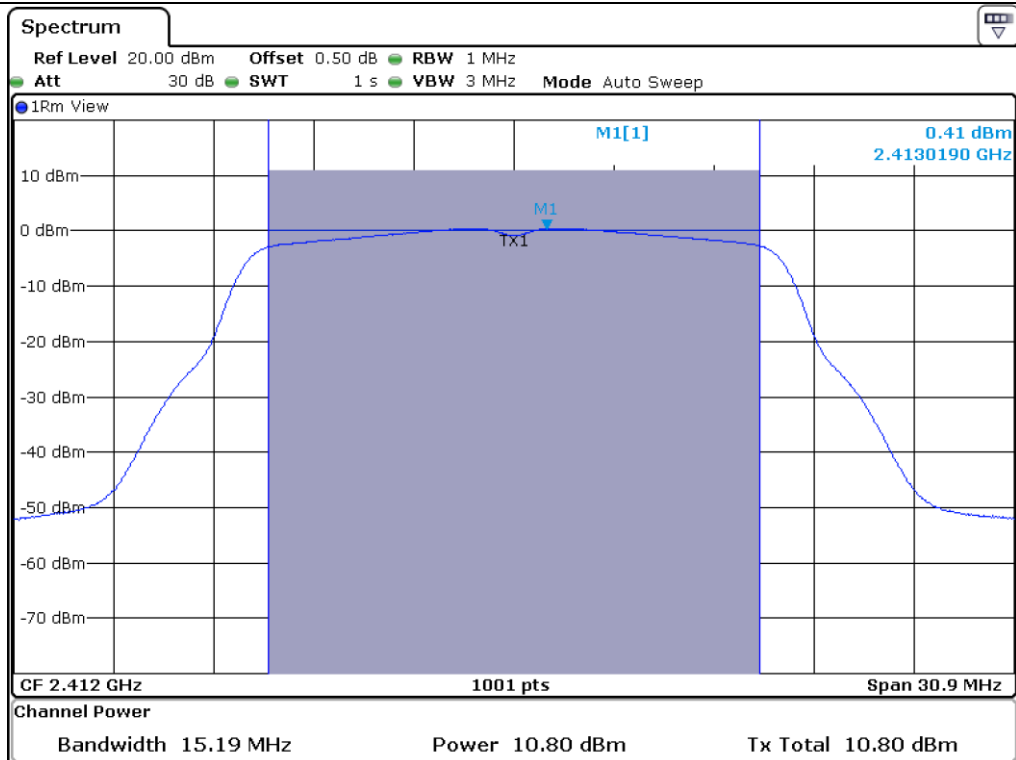
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	16.33	11.22	30	18.78
MIDDLE	2 442	16.28	19.26	30	10.74
HIGH	2 462	16.28	12.44	30	17.56

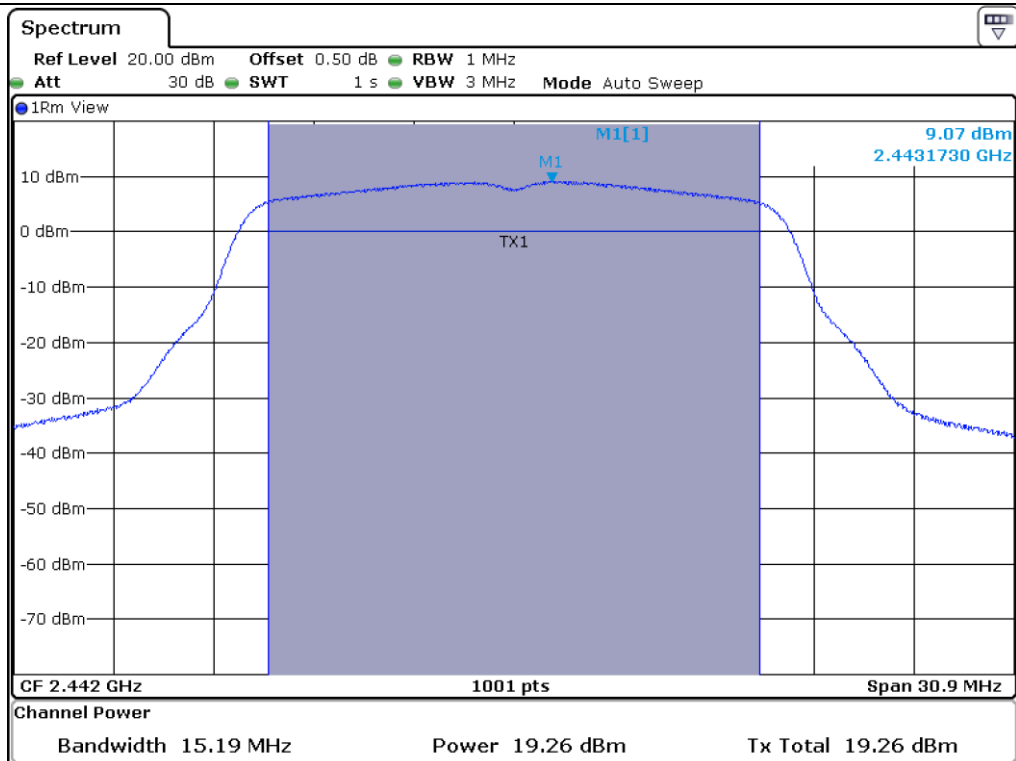
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



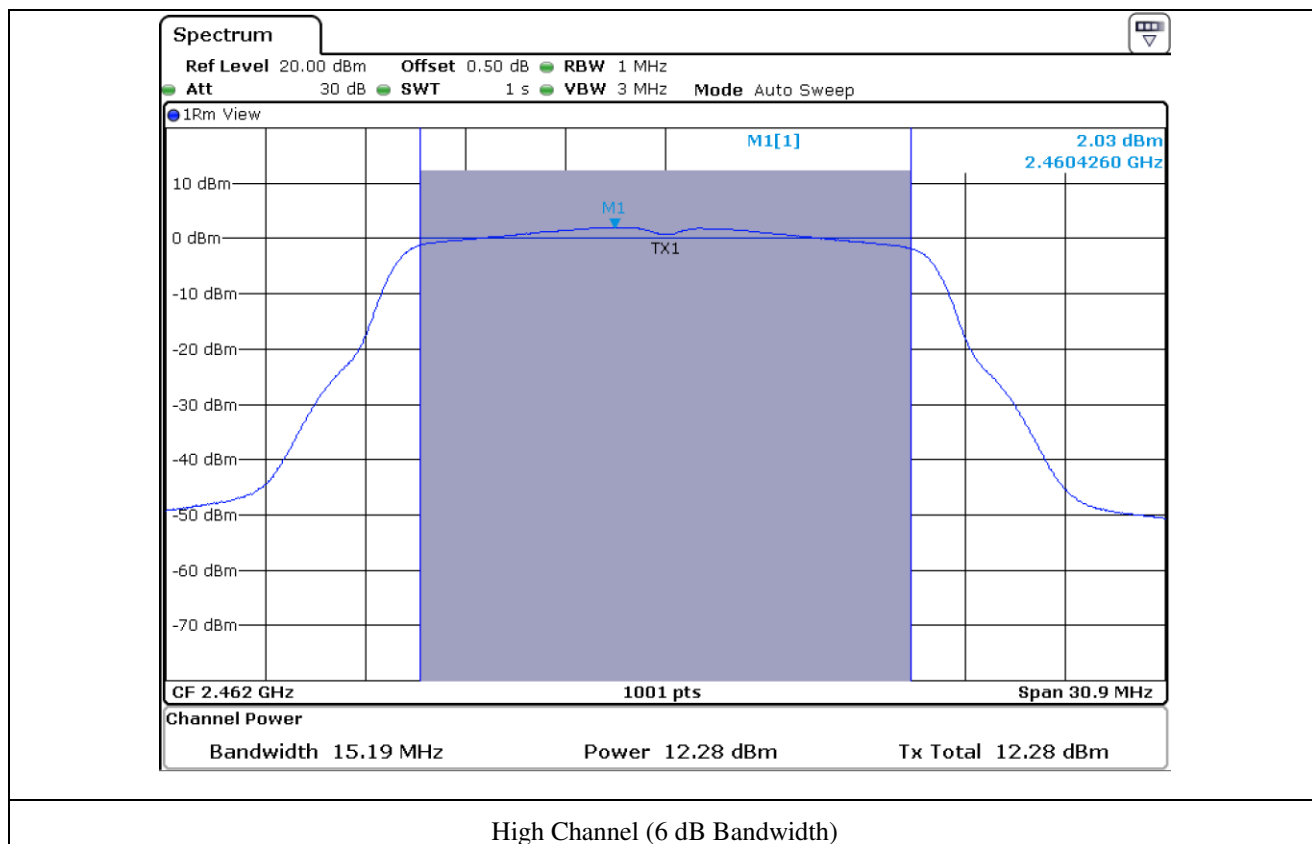
Tested by: Min-Gu, Ji / Project Engineer

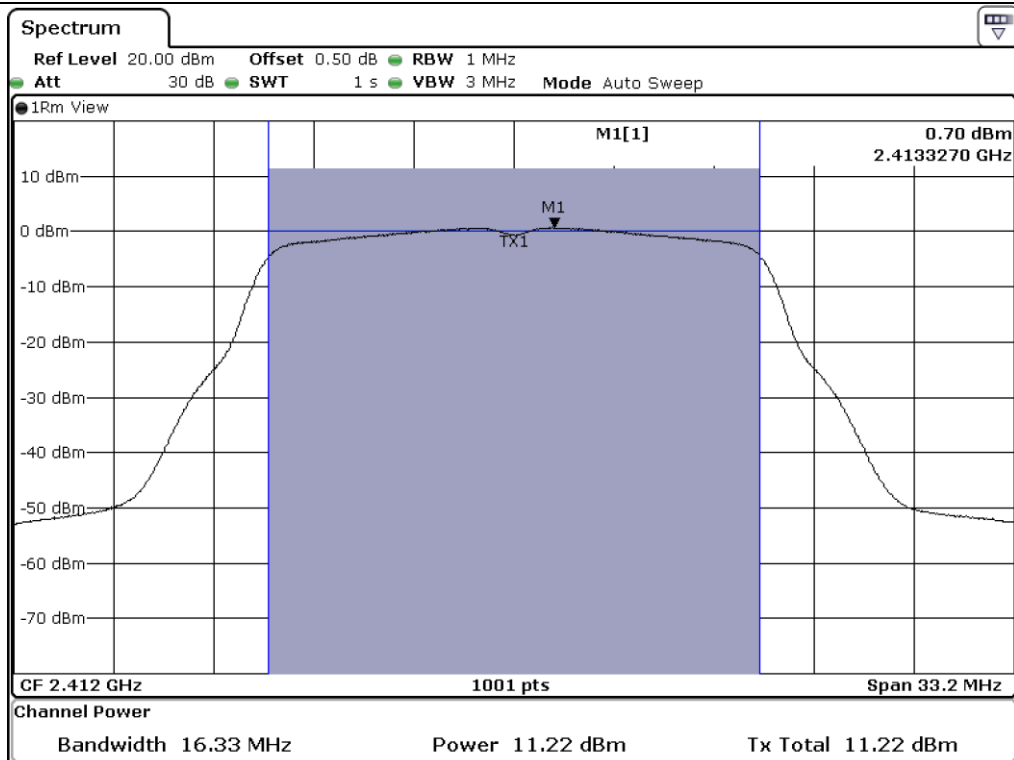


Low Channel (6 dB Bandwidth)

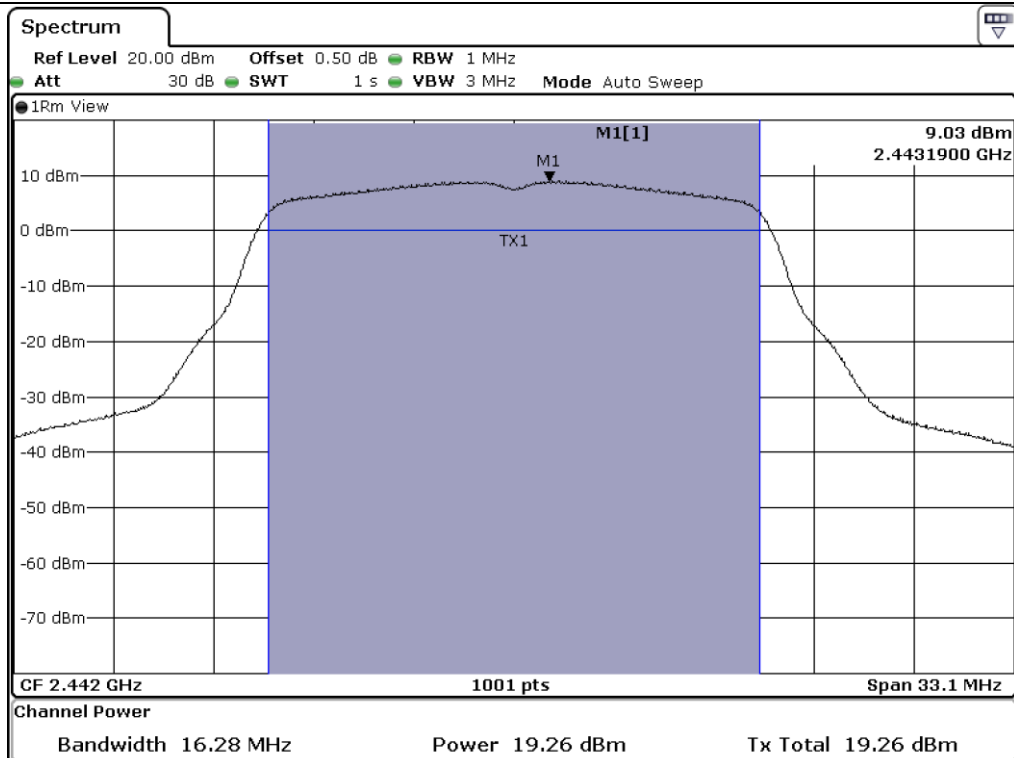


Middle Channel (6 dB Bandwidth)

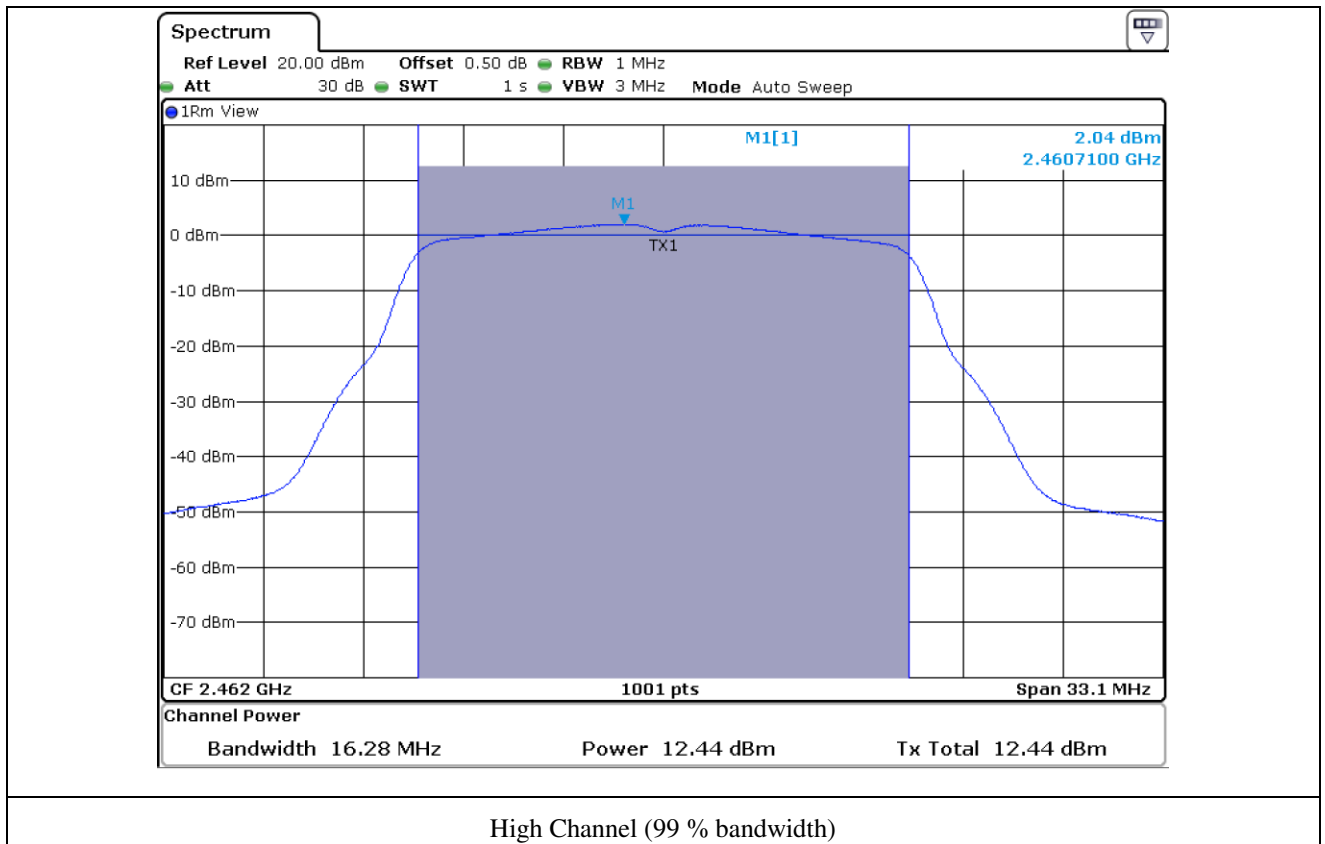




Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)



8.5.2.4 Test data for Antenna 3

-. Test Date : June 27, 2016

-. Test Result : Pass

-. FCC Test data

CHANNEL	FREQUENCY (MHz)	6 dB Bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	15.19	10.78	30	19.22
MIDDLE	2 442	15.19	19.31	30	10.69
HIGH	2 462	15.19	12.26	30	17.74

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

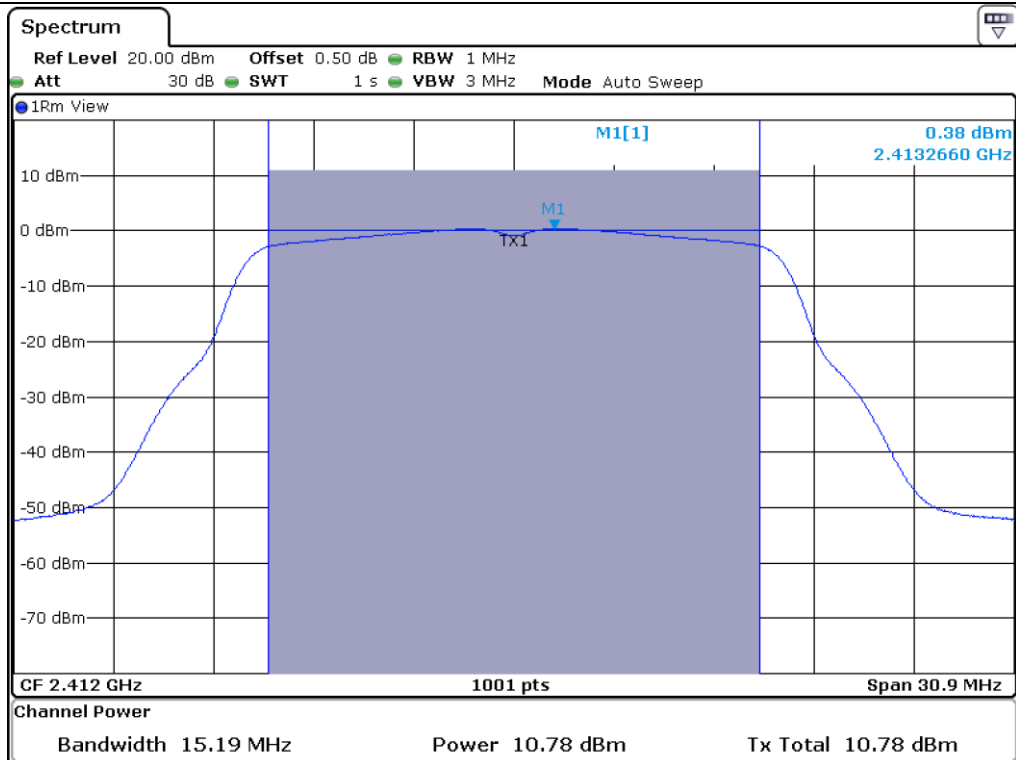
-. IC Test data

CHANNEL	FREQUENCY (MHz)	99 % bandwidth (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 412	16.33	11.82	30	18.18
MIDDLE	2 442	16.28	19.27	30	10.73
HIGH	2 462	16.23	12.81	30	17.19

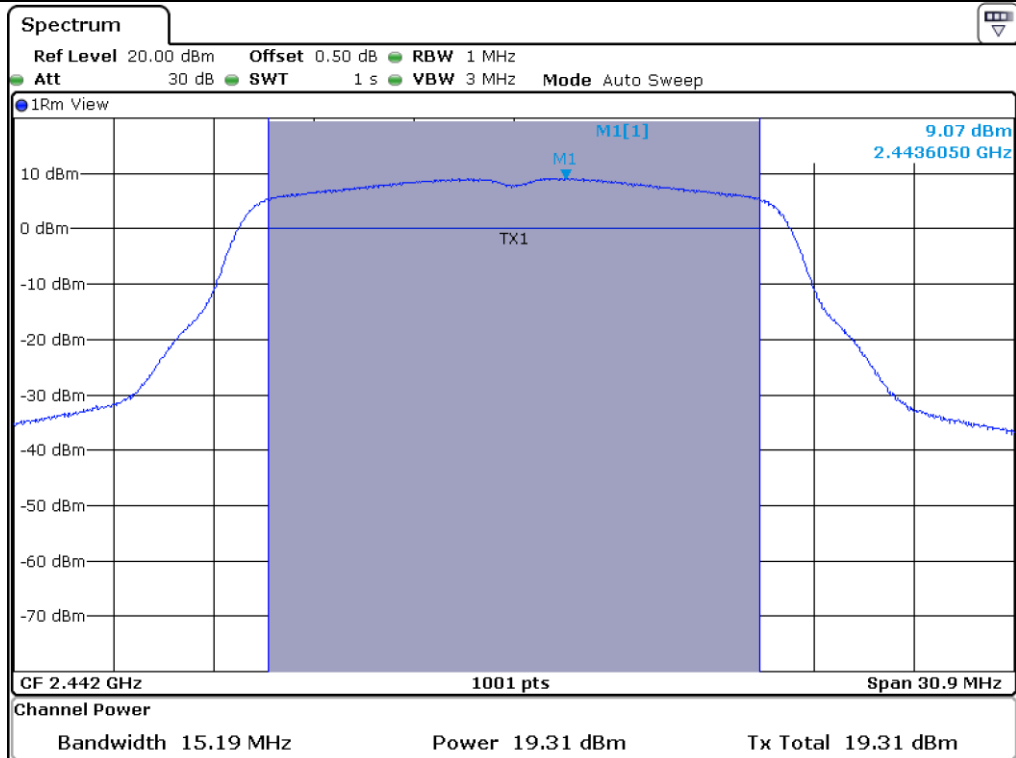
Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



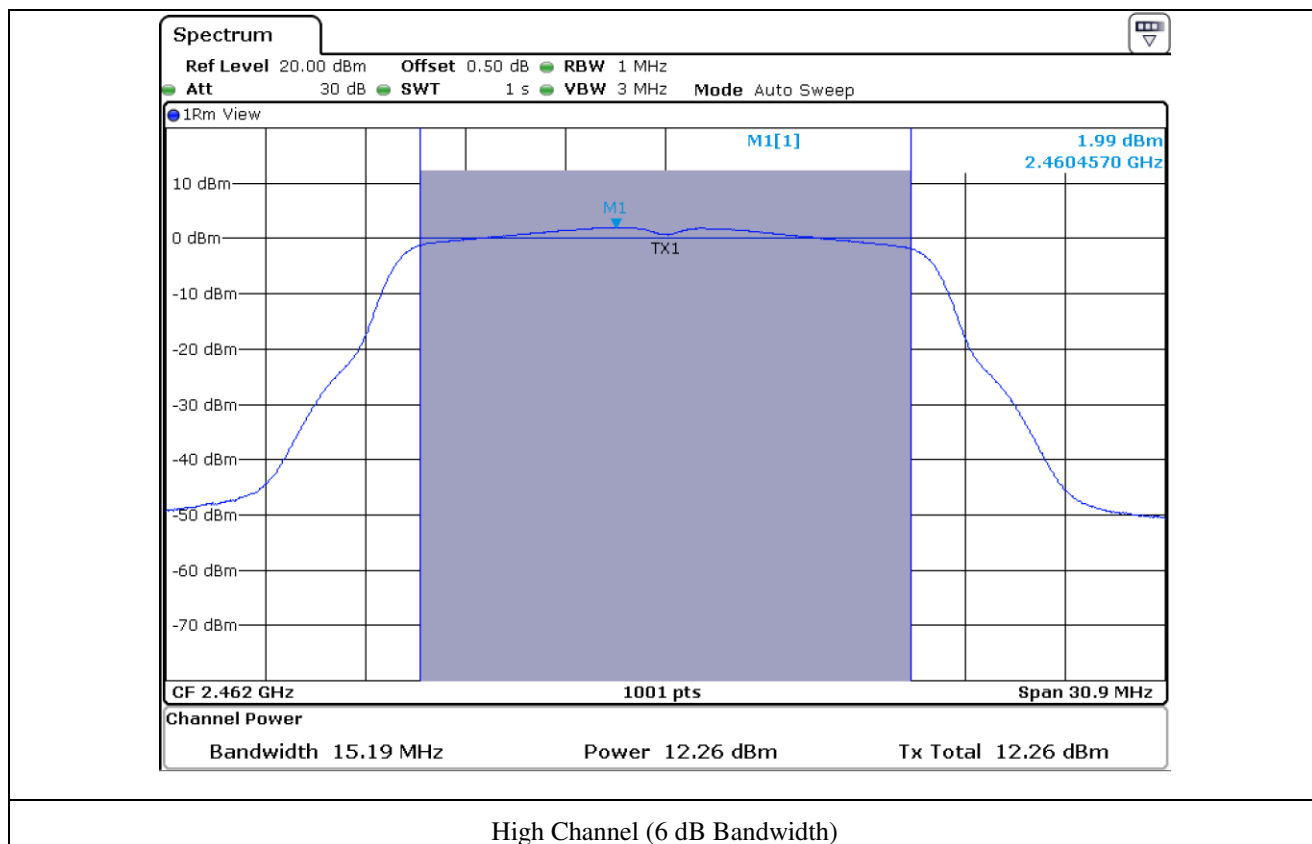
Tested by: Min-Gu, Ji / Project Engineer

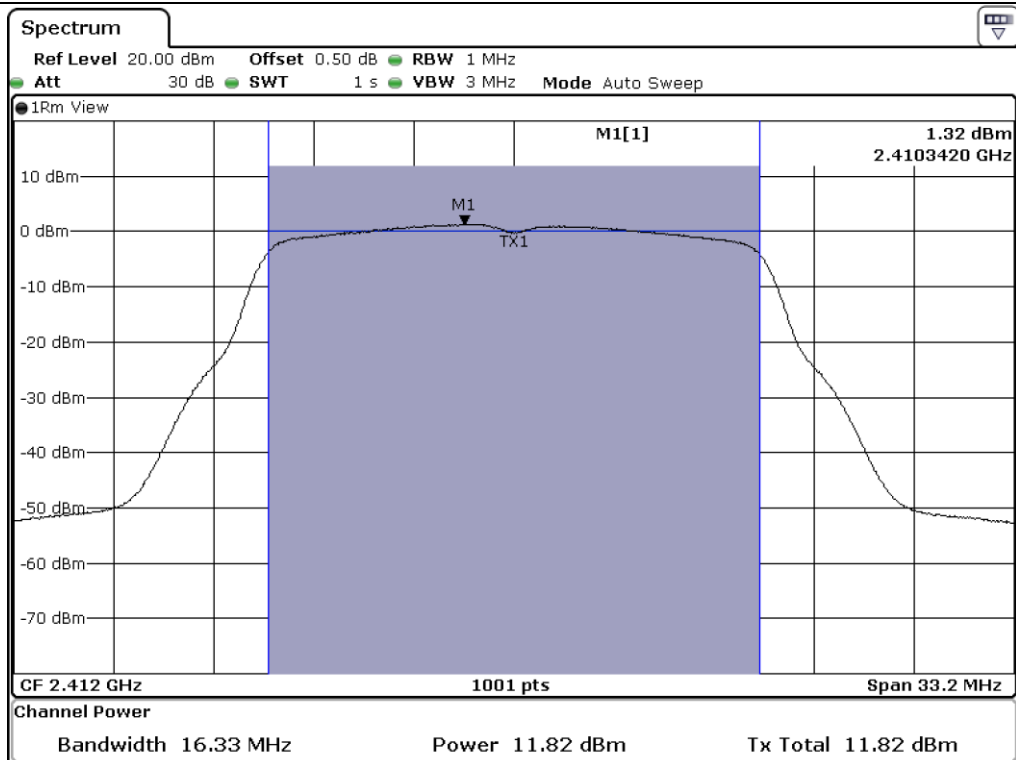


Low Channel (6 dB Bandwidth)

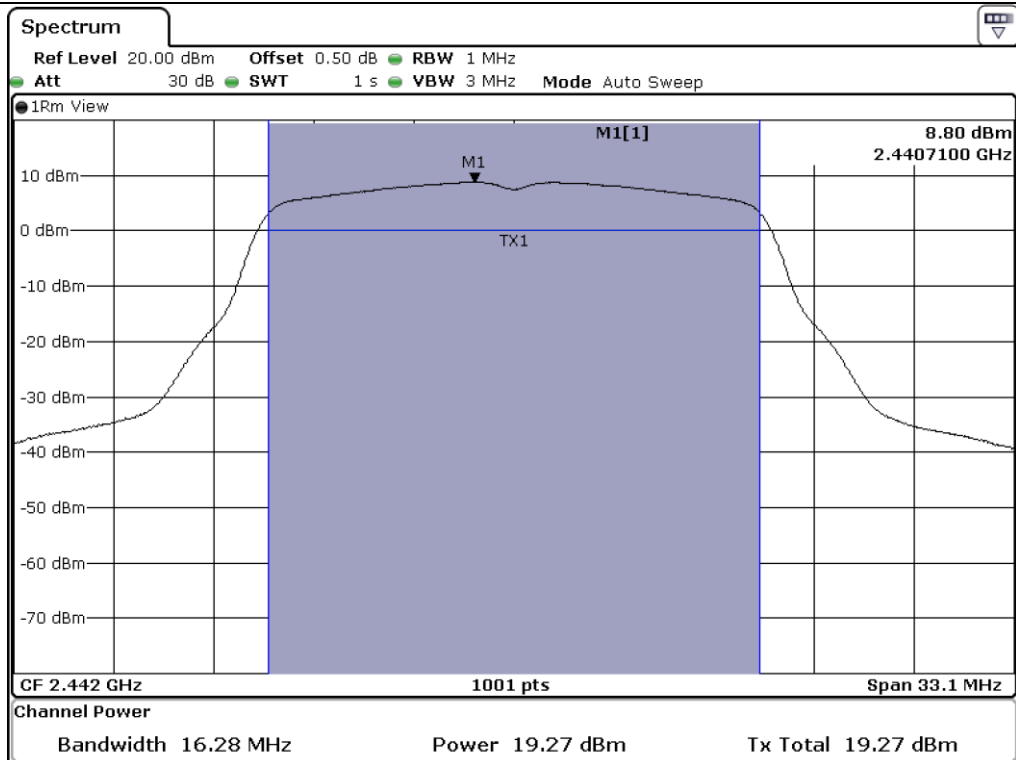


Middle Channel (6 dB Bandwidth)





Low Channel (99 % bandwidth)



Middle Channel (99 % bandwidth)