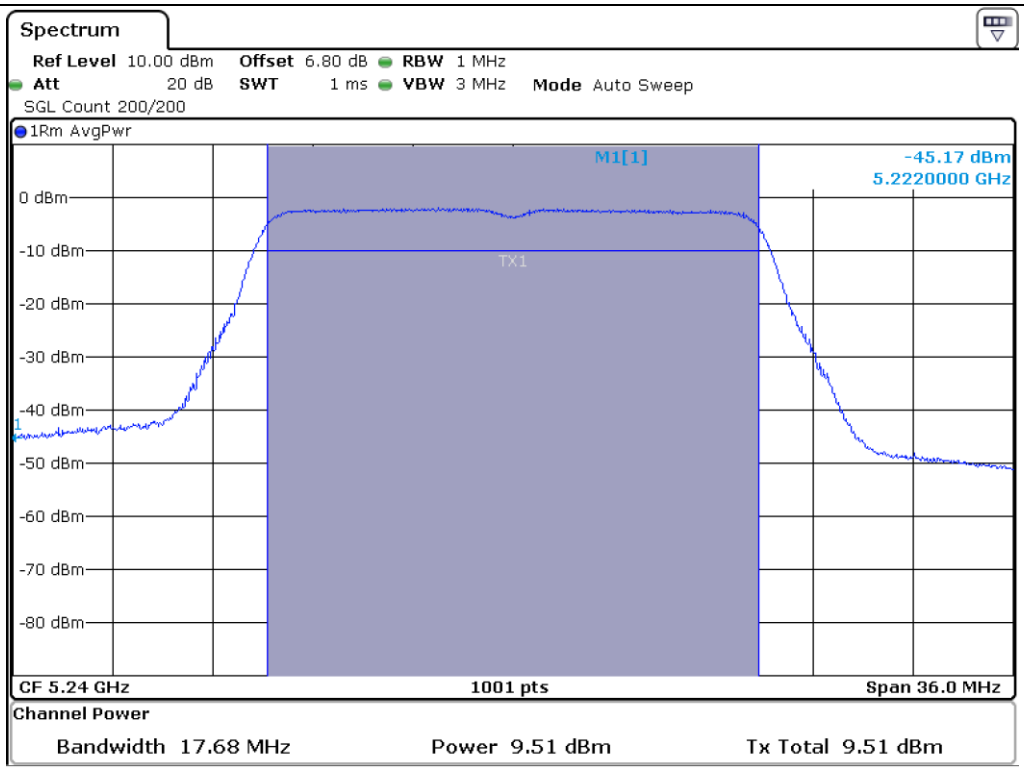
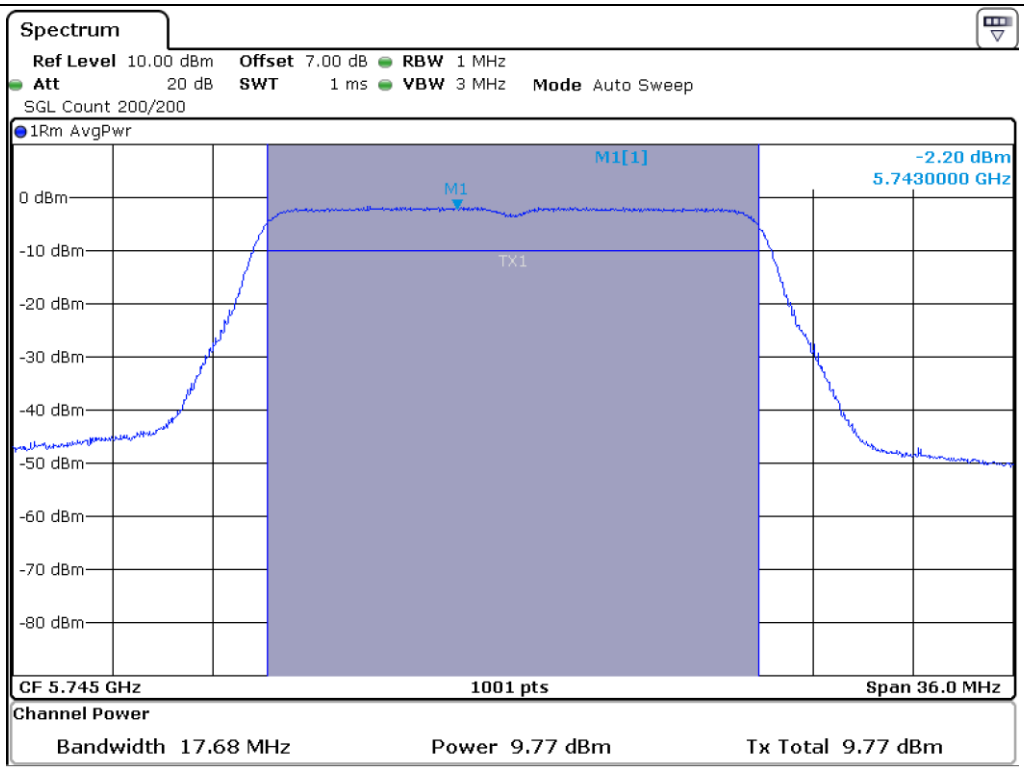
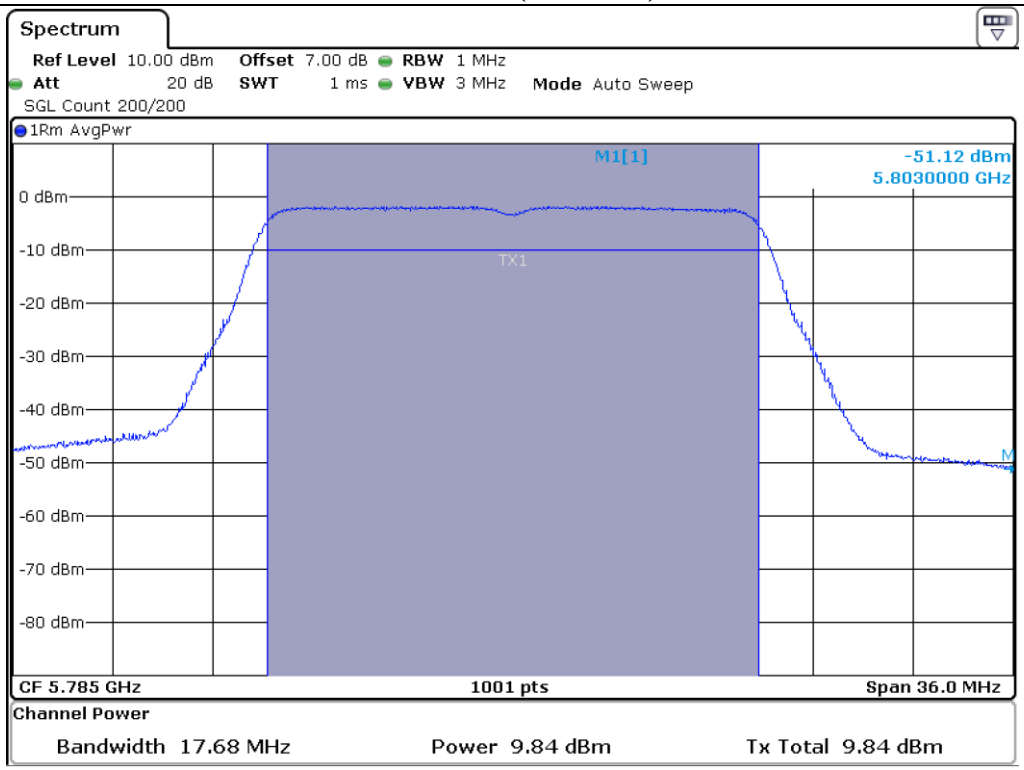


High Channel (5 240 MHz)

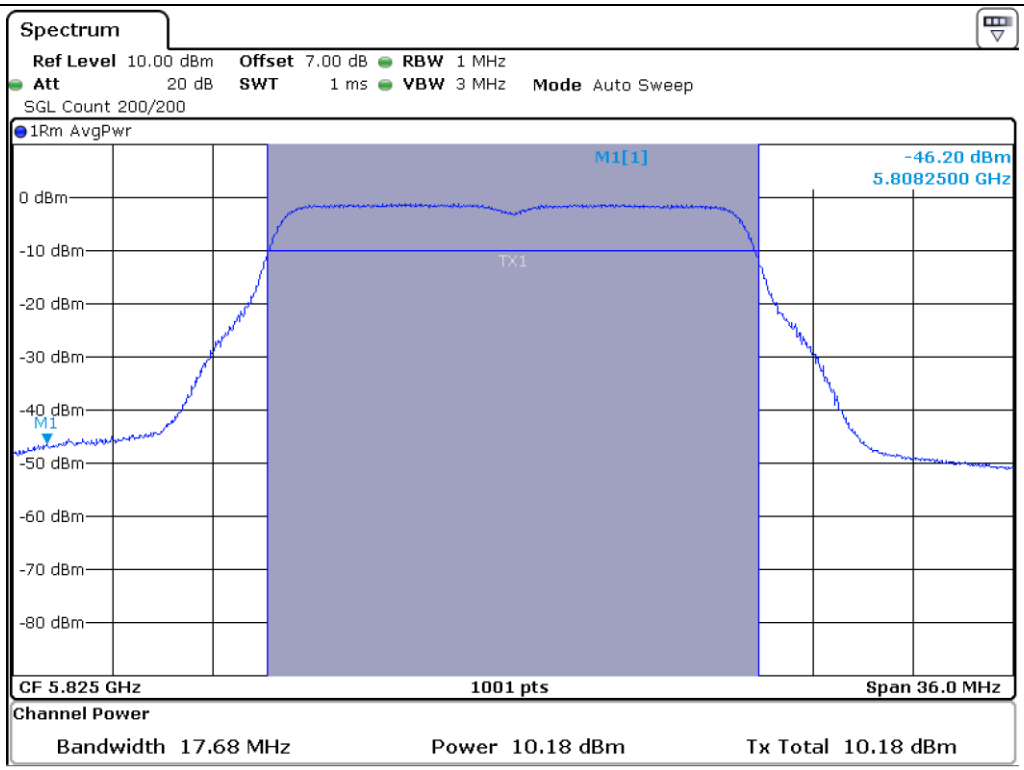


Low Channel (5 745 MHz)



Middle Channel (5 785 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



High Channel (5 825 MHz)

9.5.3 Test data for Multiple Transmit

-. Test Date : February 28, 2019

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Calculated Value (dBm)	Duty Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	12.89	0.34	13.23	24.00	10.77
	Middle	5 220.00	12.90	0.34	13.24	24.00	10.76
	High	5 240.00	12.79	0.34	13.13	24.00	10.87
5 725 ~ 5 850	Low	5 745.00	12.34	0.34	12.68	28.90	16.22
	Middle	5 785.00	12.47	0.34	12.81	28.90	16.09
	High	5 825.00	12.50	0.34	12.84	28.90	16.06

Remark 1 : Result = Calculated Value + Duty Fator

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

Remark 3 : Maximum Conducted Output Power shall be reduced by the amount in dB that the directional gain of the anteena exceeds 6 dBi.

Tested by: Ha-Ram Lee / Assistant Manager

9.6 Test data for 802.11n (HT40) WLAN Mode

9.6.1 Test data for Antenna 0

-. Test Date : February 28, 2019

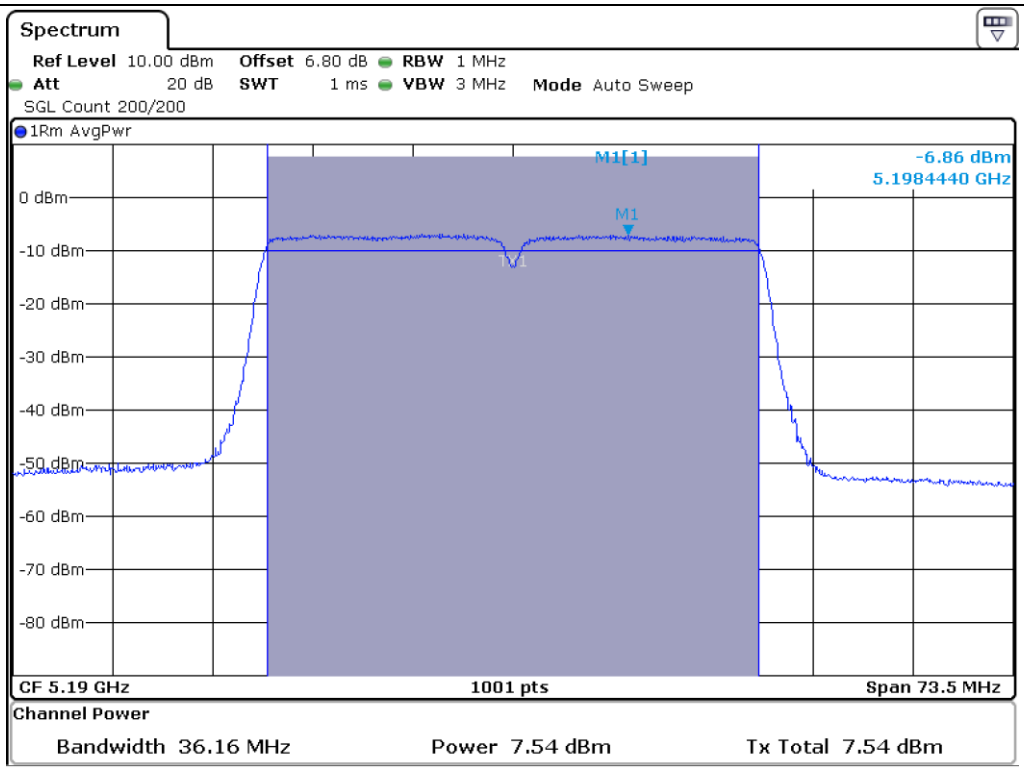
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Duty Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 190.00	7.54	0.67	8.21	24.00	16.46
	High	5 230.00	7.54	0.67	8.21	24.00	16.46
5 725 ~ 5 850	Low	5 755.00	6.62	0.67	7.29	30.00	23.38
	High	5 795.00	6.32	0.67	6.99	30.00	23.68

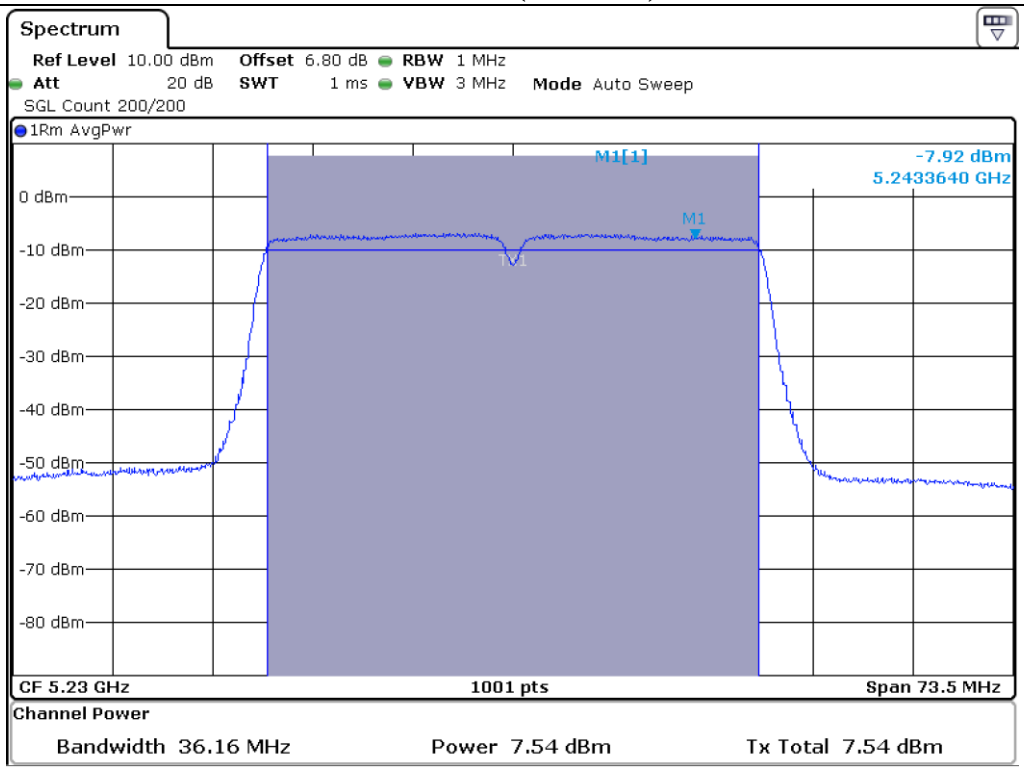
Remark : Result = Measured Value + Duty Fator

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

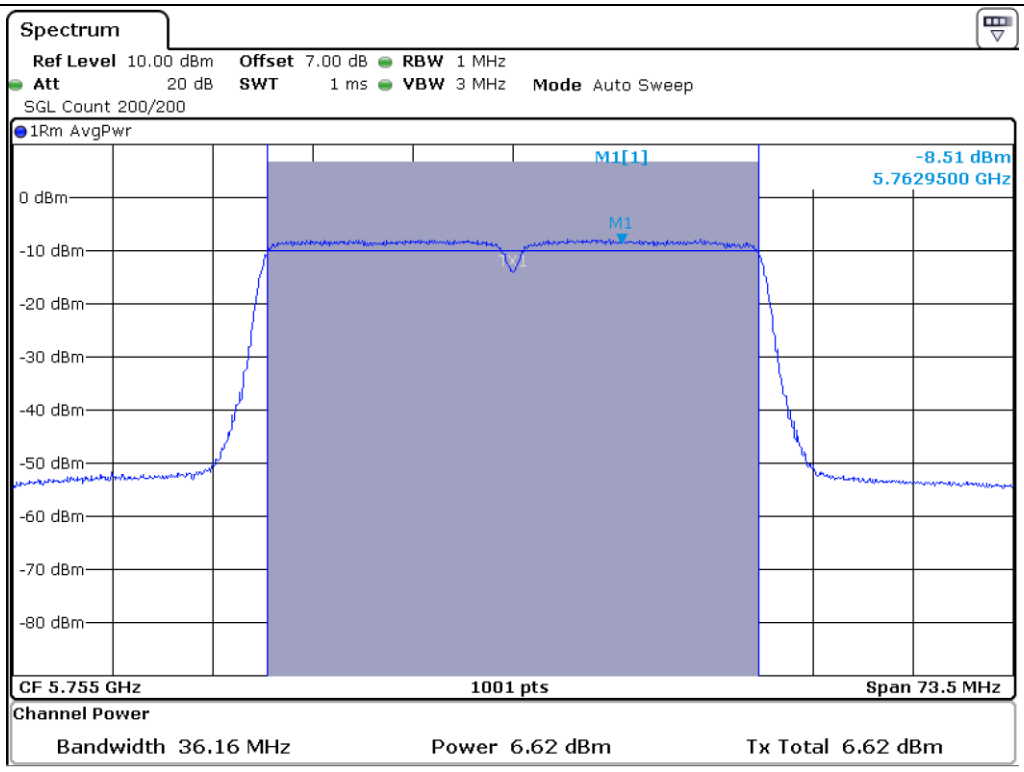


Low Channel (5 190 MHz)

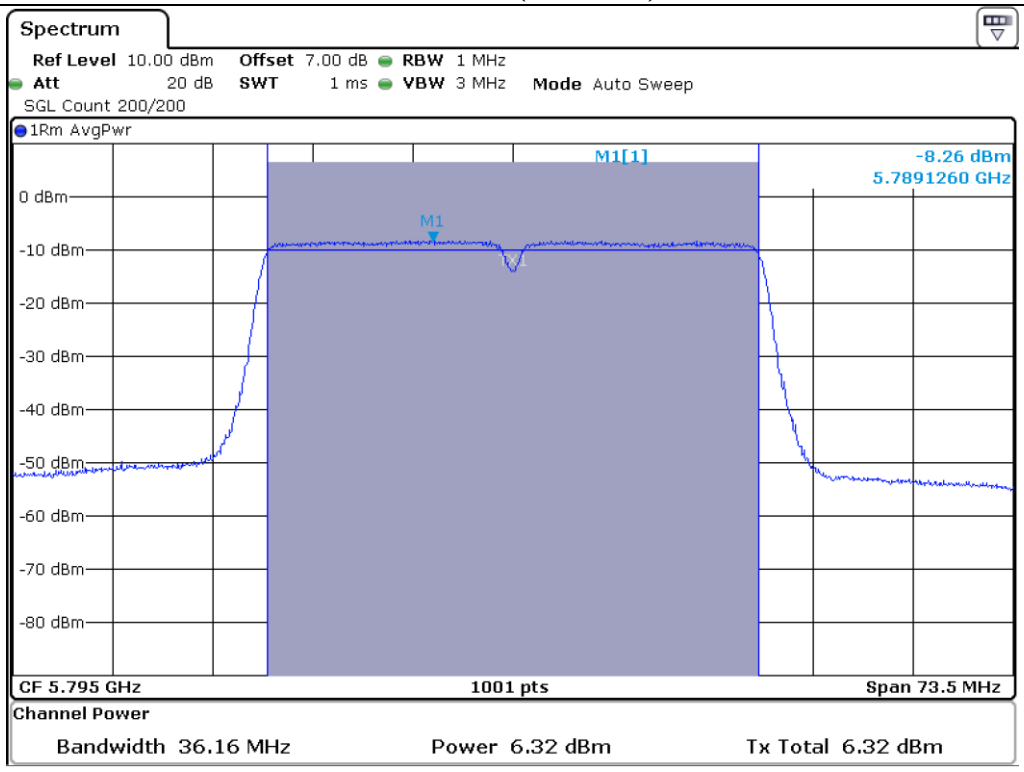


High Channel (5 230 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



Low Channel (5 755 MHz)



High Channel (5 795 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

9.6.2 Test data for Antenna 1

-. Test Date : February 28, 2019

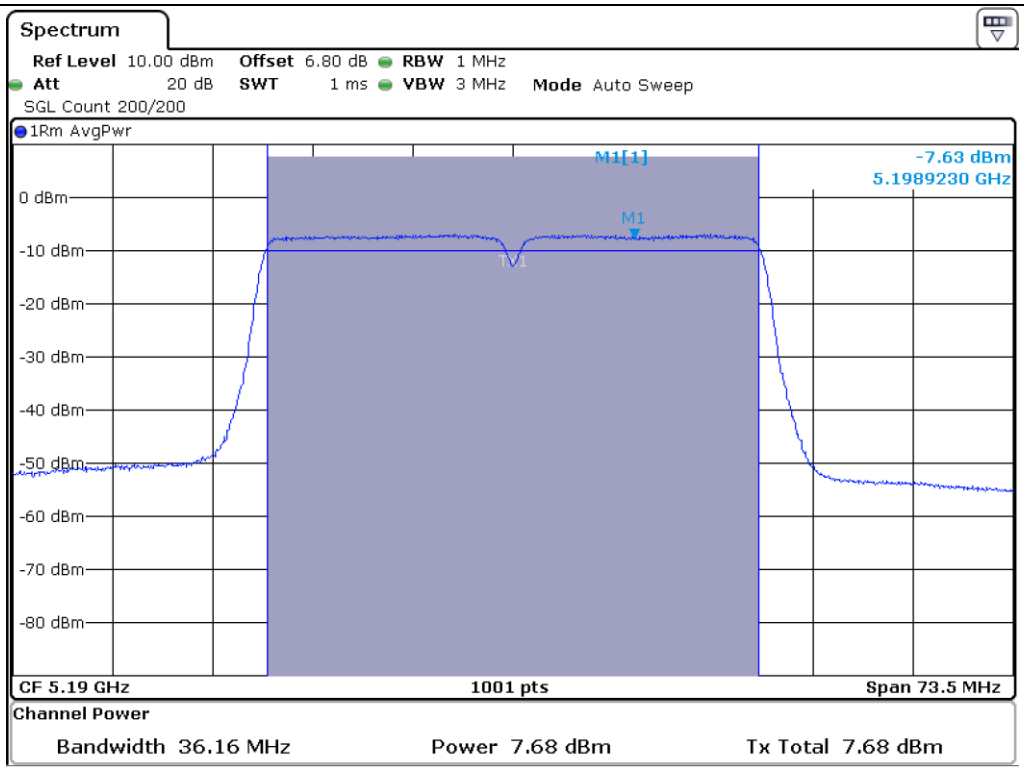
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Duty Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 190.00	7.68	0.67	8.35	24.00	16.32
	High	5 230.00	7.48	0.67	8.15	24.00	16.52
5 725 ~ 5 850	Low	5 755.00	7.81	0.67	8.48	30.00	22.19
	High	5 795.00	7.82	0.67	8.49	30.00	22.18

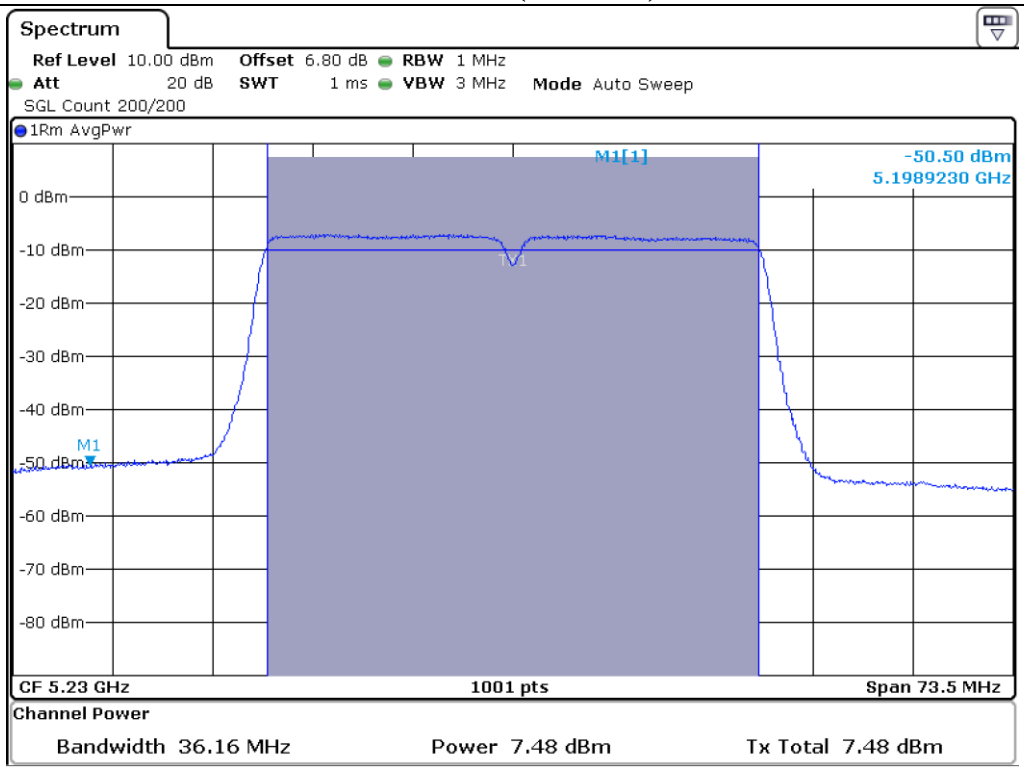
Remark : Result = Measured Value + Duty Fator

Tested by: Ha-Ram Lee / Assistant Manager

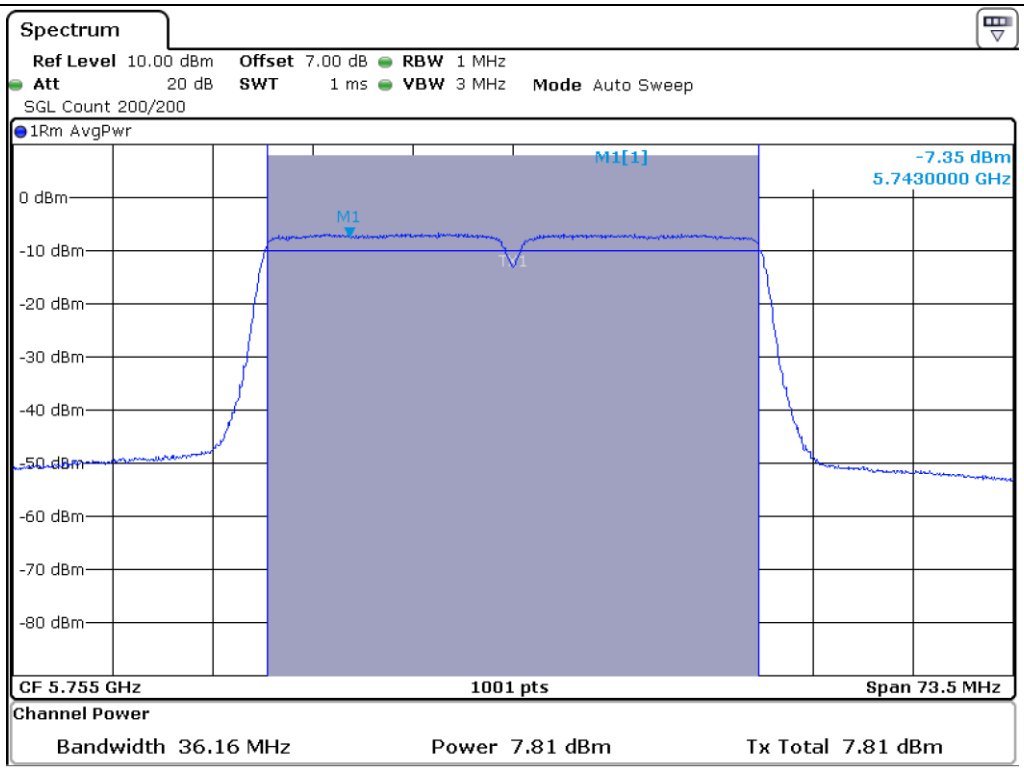
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



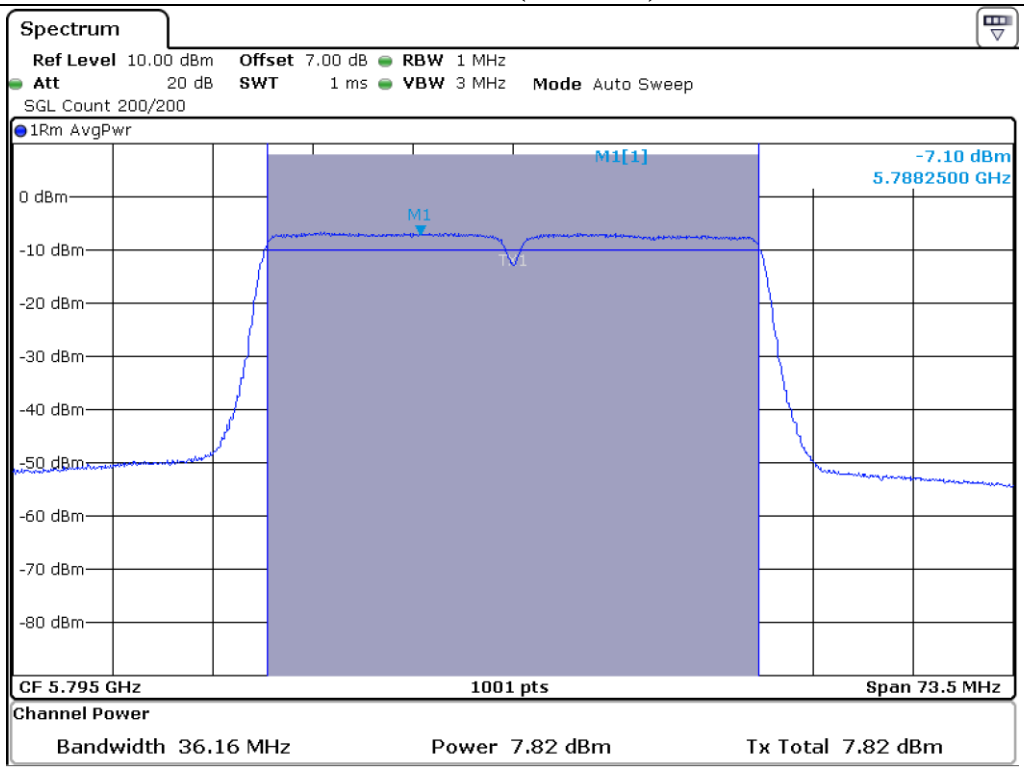
Low Channel (5 190 MHz)



High Channel (5 230 MHz)



Low Channel (5 755 MHz)



High Channel (5 795 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

9.6.3 Test data for Multiple Transmit

-. Test Date : February 28, 2019

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Calculated Value (dBm)	Duty Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 190.00	10.62	0.67	11.29	24.00	13.38
	High	5 230.00	10.52	0.67	11.19	24.00	13.48
5 725 ~ 5 850	Low	5 755.00	10.27	0.67	10.94	28.90	18.63
	High	5 795.00	10.14	0.67	10.81	28.90	18.76

Remark 1 : Result = Calculated Value + Duty Fator

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

Remark 3 : Maximum Conducted Output Power shall be reduced by the amount in dB that the directional gain of the anteena exceeds 6 dBi.

Tested by: Ha-Ram Lee / Assistant Manager

9.7 Test data for 802.11ac (HT80) WLAN Mode

9.7.1 Test data for Antenna 0

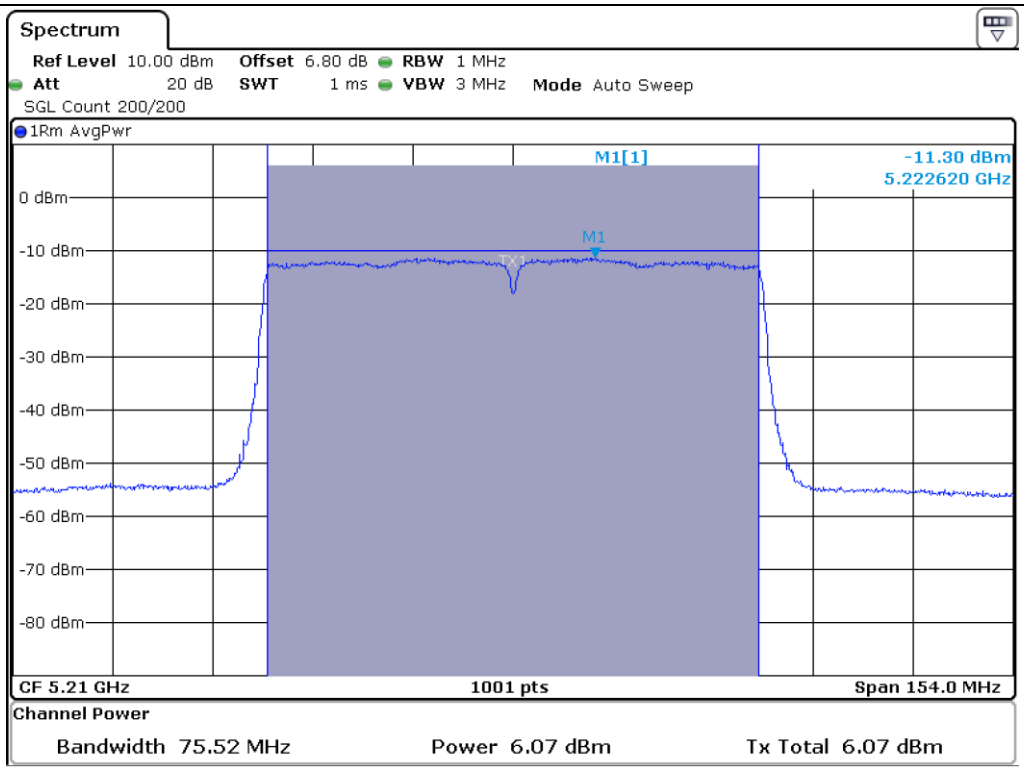
-. Test Date : February 28, 2019

-. Test Result : Pass

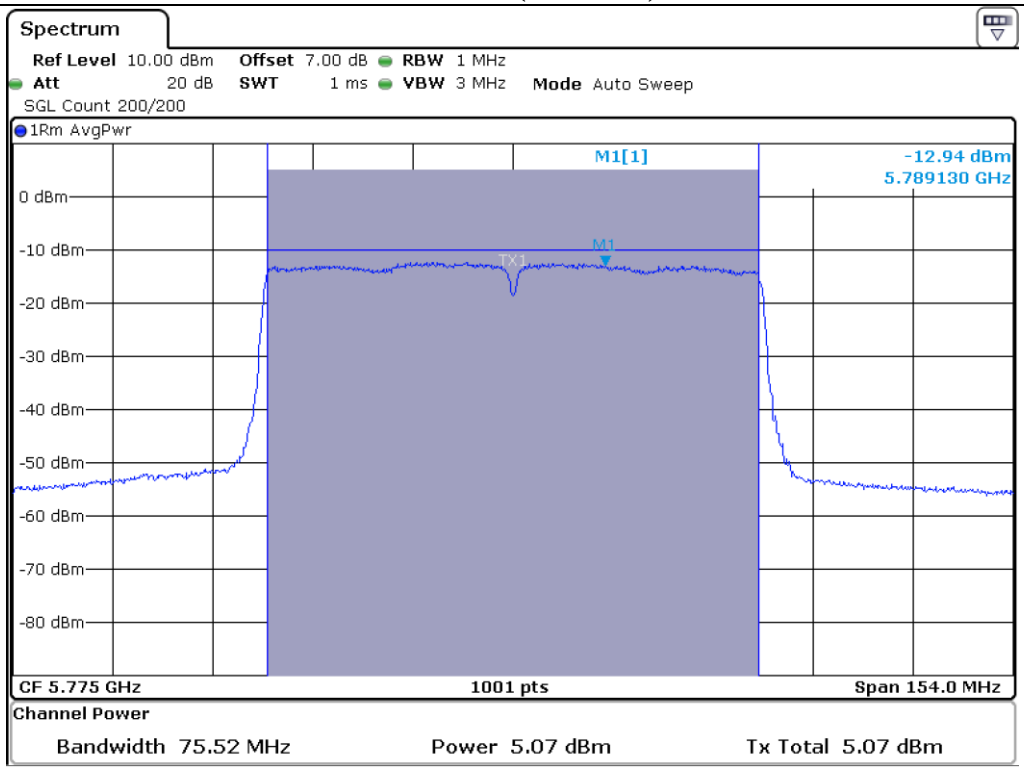
Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Duty Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 210.00	6.07	1.27	7.34	24.00	17.93
5 725 ~ 5 850	Low	5 775.00	5.07	1.27	6.34	30.00	24.93

Remark : Result = Measured Value + Duty Fator

Tested by: Ha-Ram Lee / Assistant Manager



Low Channel (5 210 MHz)



Low Channel (5 775 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

9.7.2 Test data for Antenna 1

-. Test Date : February 28, 2019

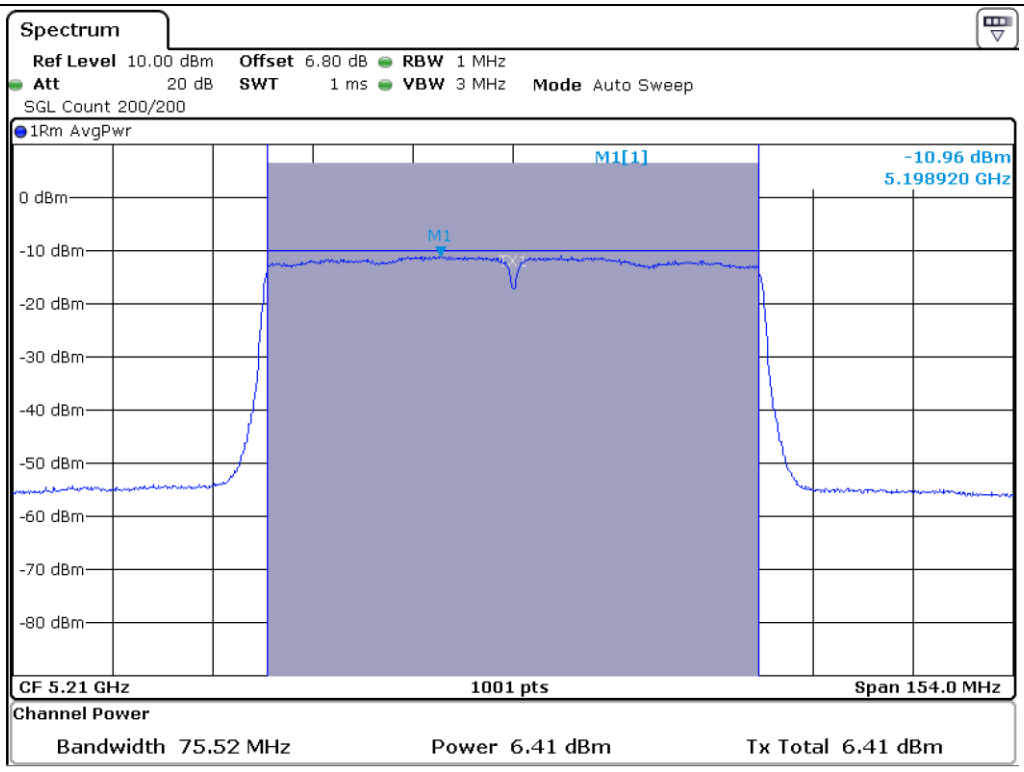
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Duty Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 210.00	6.41	1.27	7.68	24.00	17.59
5 725 ~ 5 850	Low	5 775.00	6.47	1.27	7.74	30.00	23.53

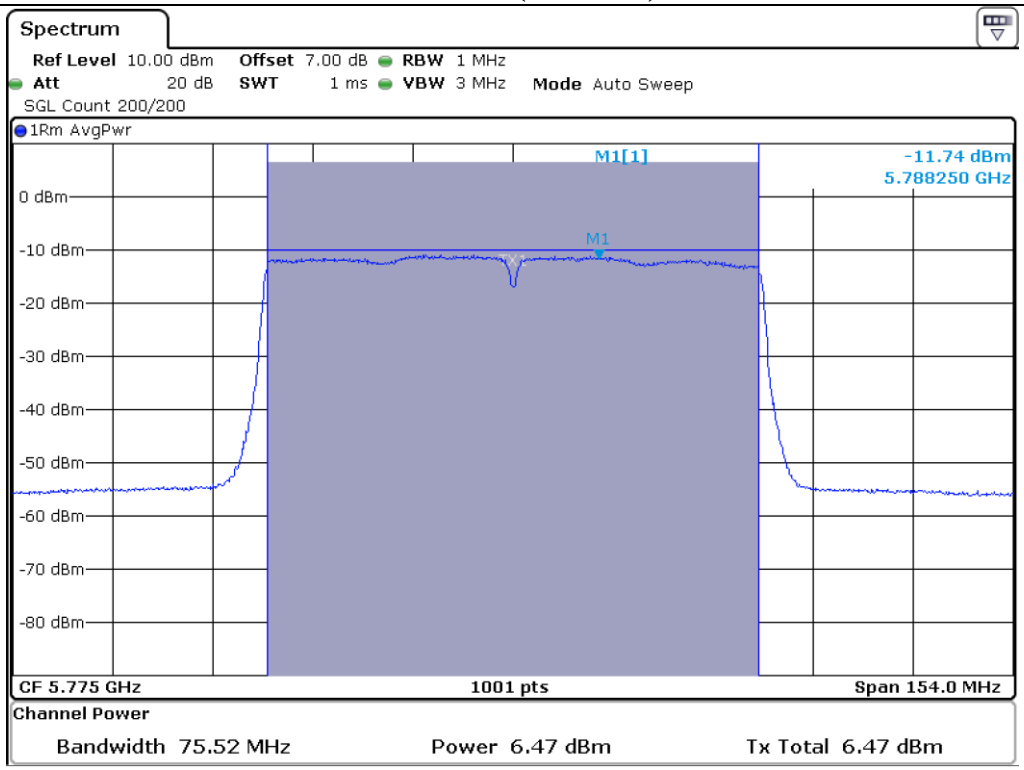
Remark : Result = Measured Value + Duty Fator

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



Low Channel (5 210 MHz)



Low Channel (5 775 MHz)

9.7.3 Test data for Multiple Transmit

-. Test Date : February 28, 2019

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Calculated Value (dBm)	Duty Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 210.00	9.25	1.27	10.52	24.00	14.75
5 725 ~ 5 850	Low	5 775.00	8.84	1.27	10.11	28.90	20.06

Remark 1 : Result = Calculated Value + Duty Fator

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

Remark 3 : Maximum Conducted Output Power shall be reduced by the amount in dB that the directional gain of the anteena exceeds 6 dBi.

Tested by: Ha-Ram Lee / Assistant Manager

10. PEAK POWER SPECTRAL DENSITY

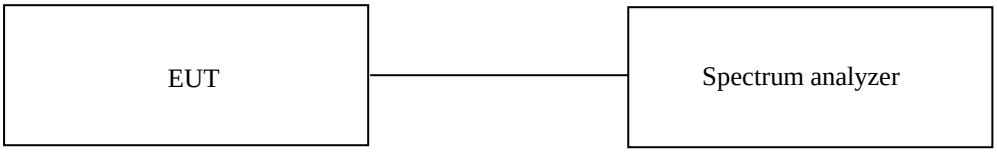
10.1 Operating environment

Temperature : 24 ℃

Relative humidity : 45 % R.H.

10.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth is set to 1 M Hz, the video bandwidth is set to 3 times the resolution bandwidth. The maximum level form the EUT in 1 MH z bandwidth was measured with above condition.



10.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	FSV30	Rohde & Schwarz	Signal Analyzer	101200	Aug. 23, 2018 (1Y)

All test equipment used is calibrated on a regular basis.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

10.4 Test data for 802.11a WLAN Mode

10.4.1 Test data for Antenna 0

-. Test Date : February 28, 2019

-. Operating condition : Highest Output Power Transmitting Mode

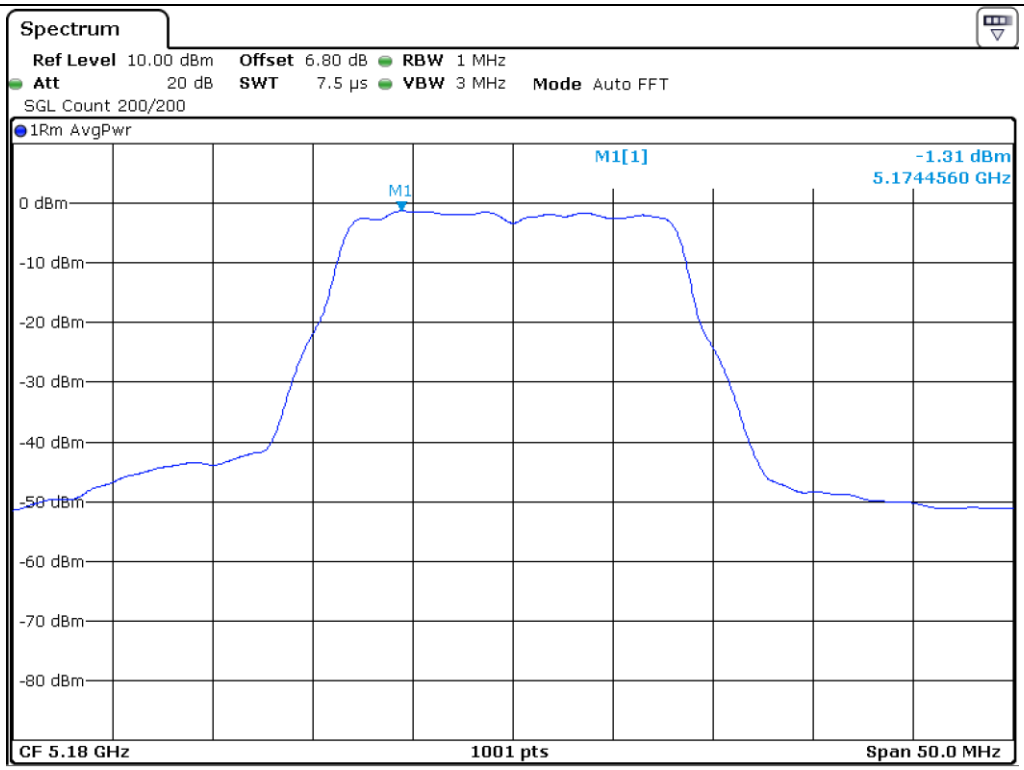
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	-1.31	11.00	12.31
	Middle	5 220.00	-1.10	11.00	12.10
	High	5 240.00	-1.15	11.00	12.15
5 725 ~ 5 850	Low	5 745.00	-4.99	30.00	34.99
	Middle	5 785.00	-4.86	30.00	34.86
	High	5 825.00	-5.45	30.00	35.45

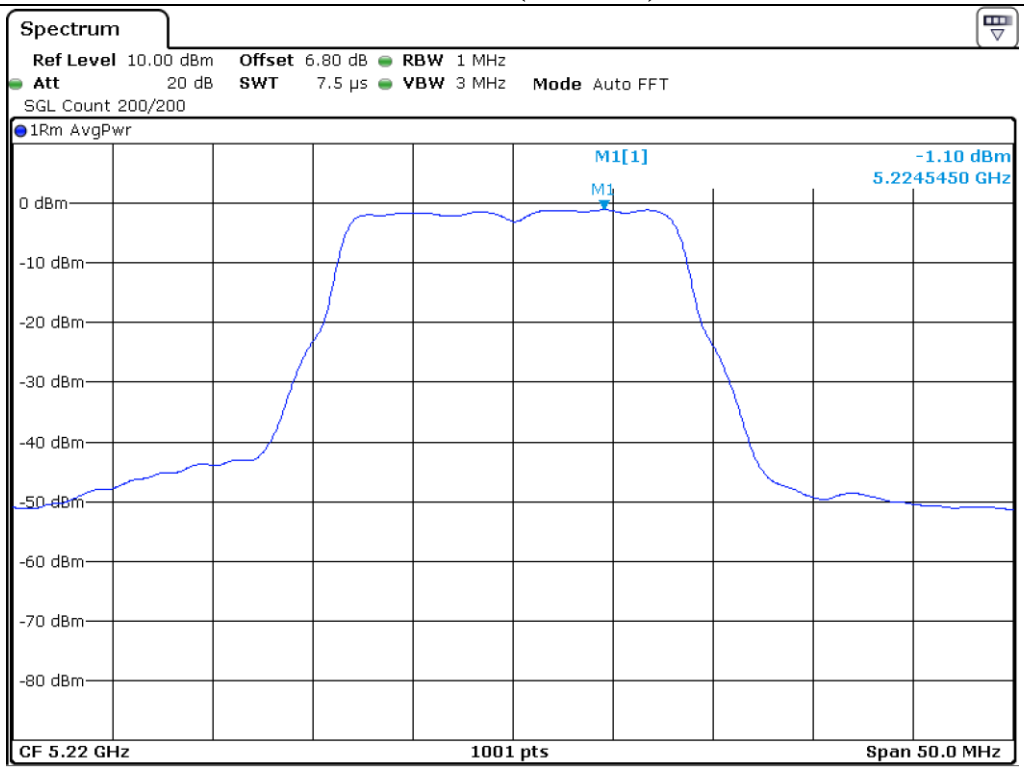
Remark: See next page for measurement data.

Tested by: Ha-Ram Lee / Assistant Manager

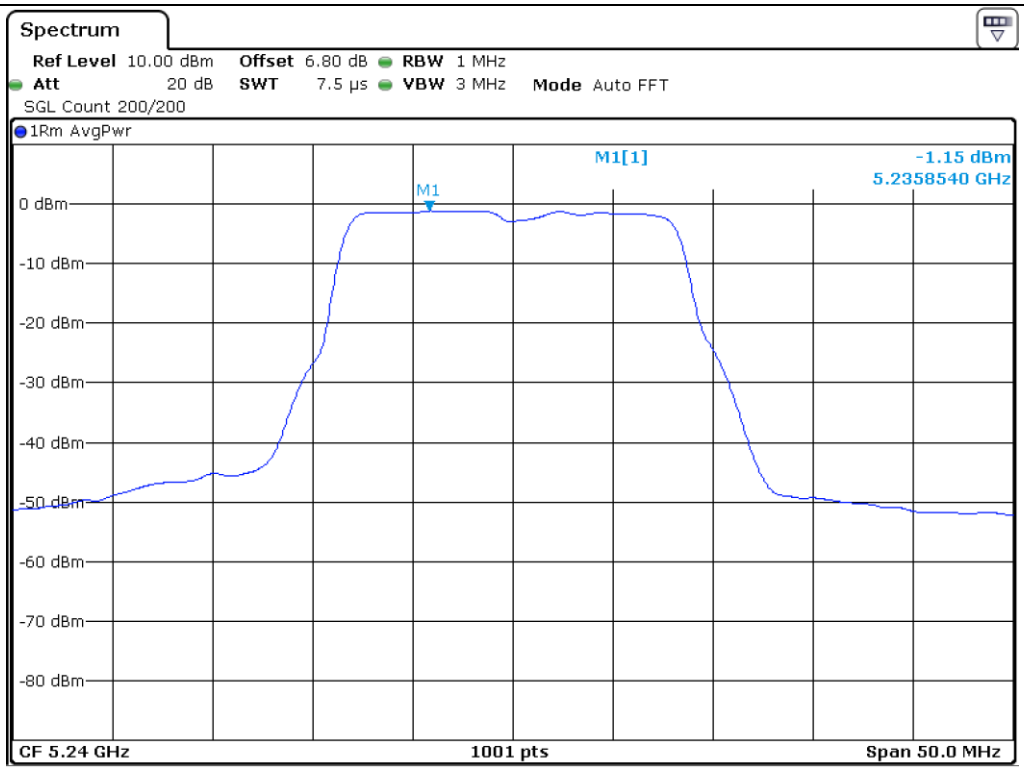
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



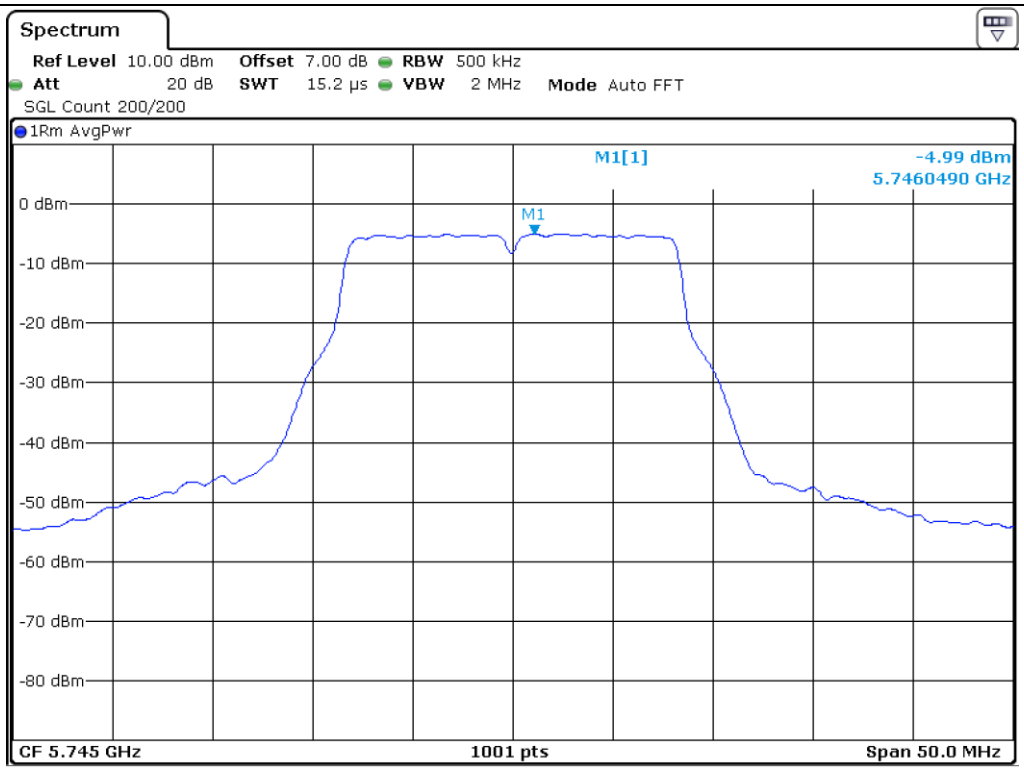
Low Channel (5 180 MHz)



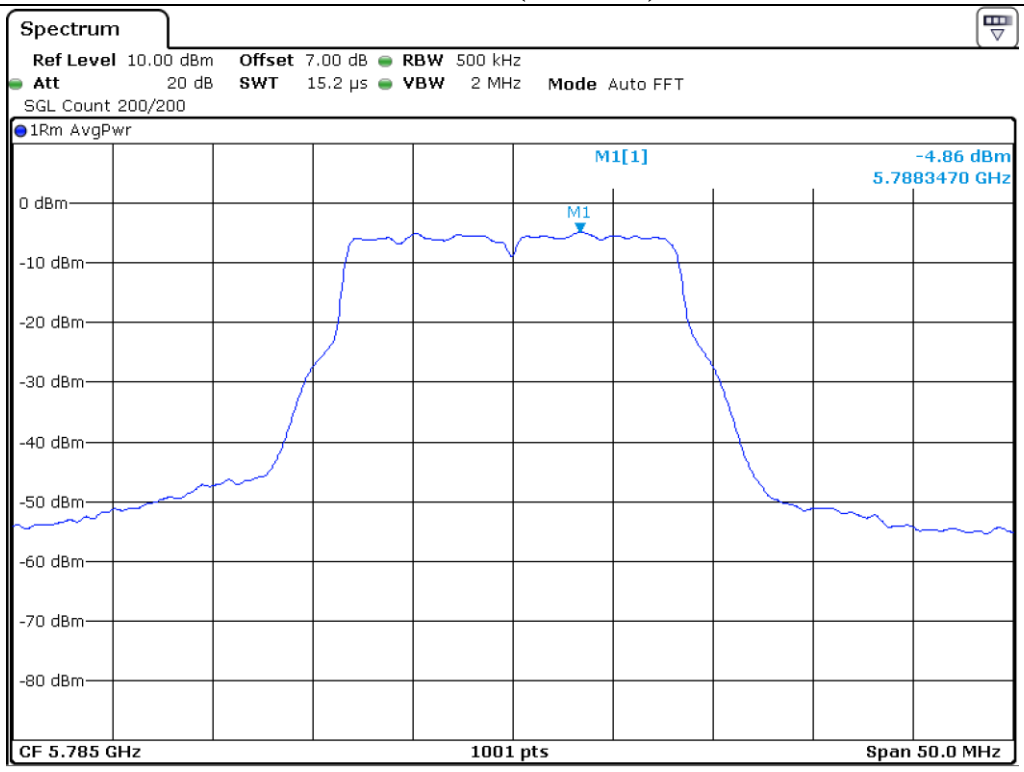
Middle Channel (5 220 MHz)



High Channel (5 240 MHz)

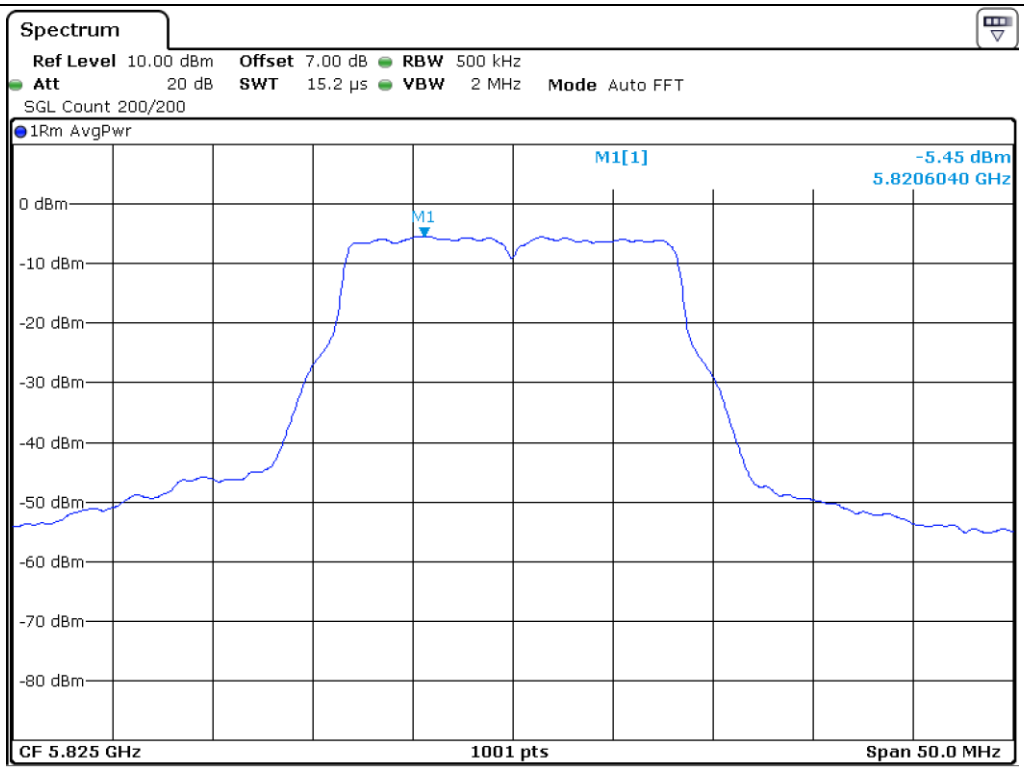


Low Channel (5 745 MHz)



Middle Channel (5 785 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



High Channel (5 825 MHz)

10.4.2 Test data for Antenna 1

-. Test Date : February 28, 2019

-. Operating condition : Highest Output Power Transmitting Mode

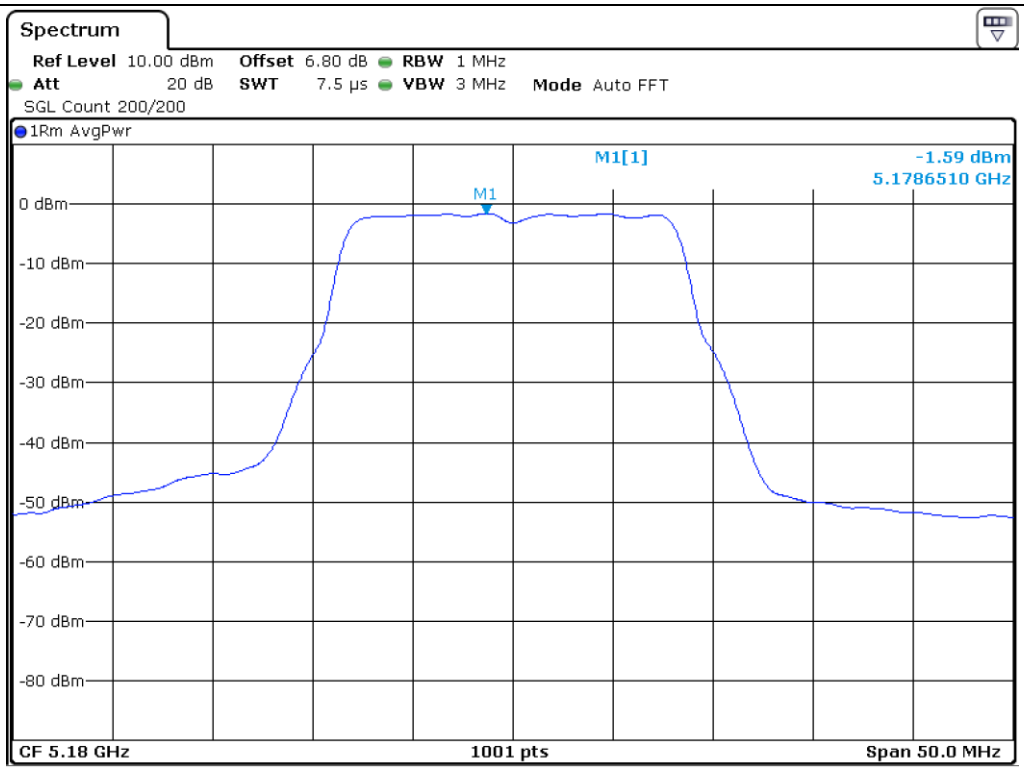
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	-1.59	11.00	12.59
	Middle	5 220.00	-1.56	11.00	12.56
	High	5 240.00	-1.68	11.00	12.68
5 725 ~ 5 850	Low	5 745.00	-3.99	30.00	33.99
	Middle	5 785.00	-4.44	30.00	34.44
	High	5 825.00	-4.45	30.00	34.45

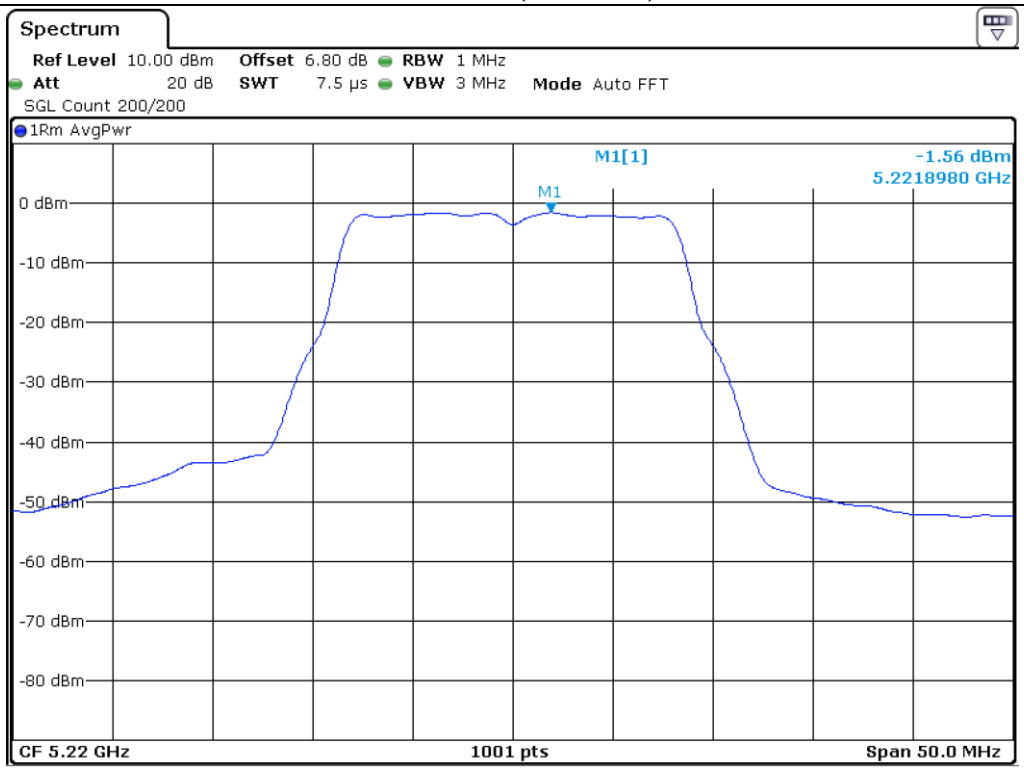
Remark: See next page for measurement data.

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

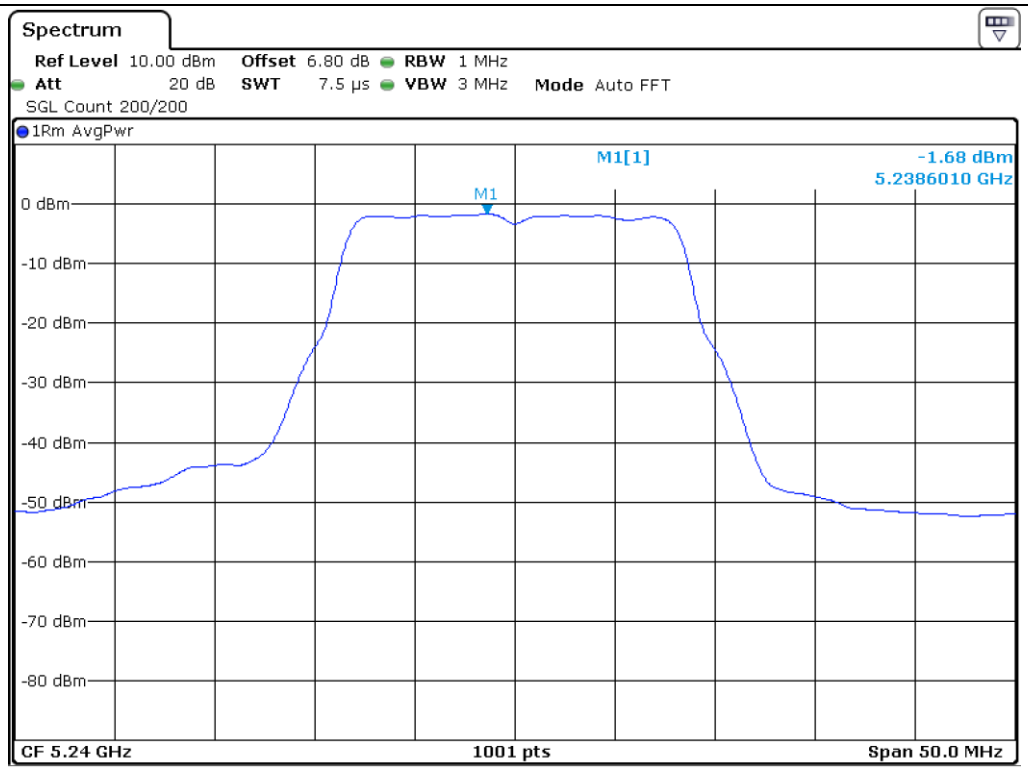


Low Channel (5 180 MHz)

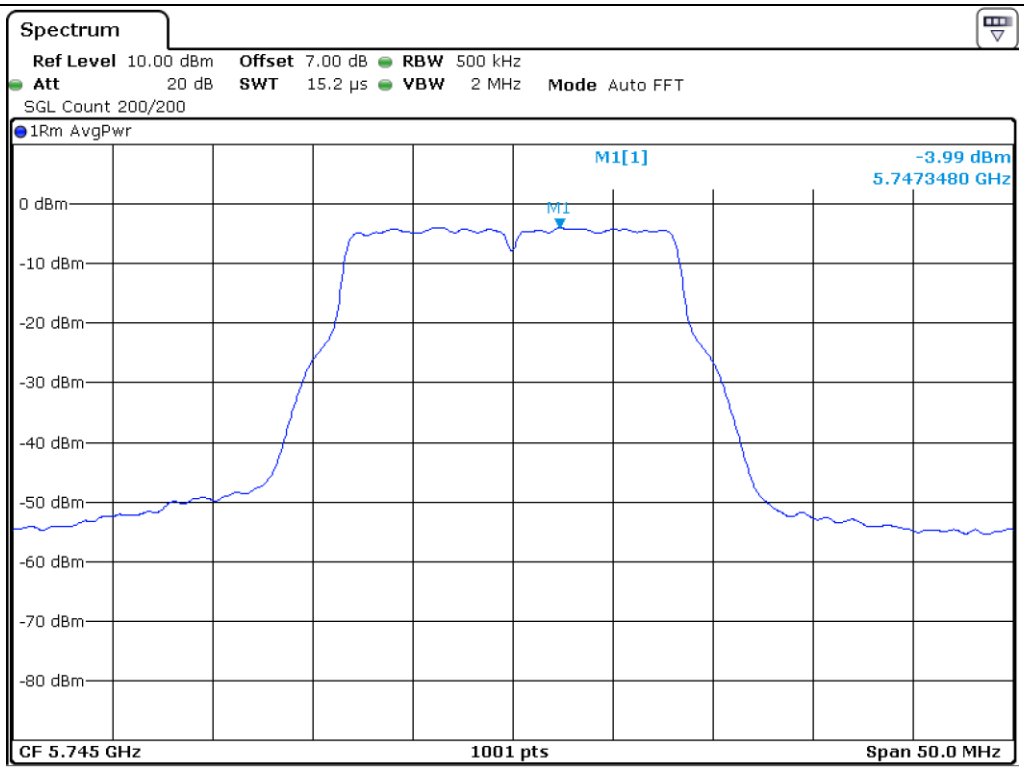


Middle Channel (5 220 MHz)

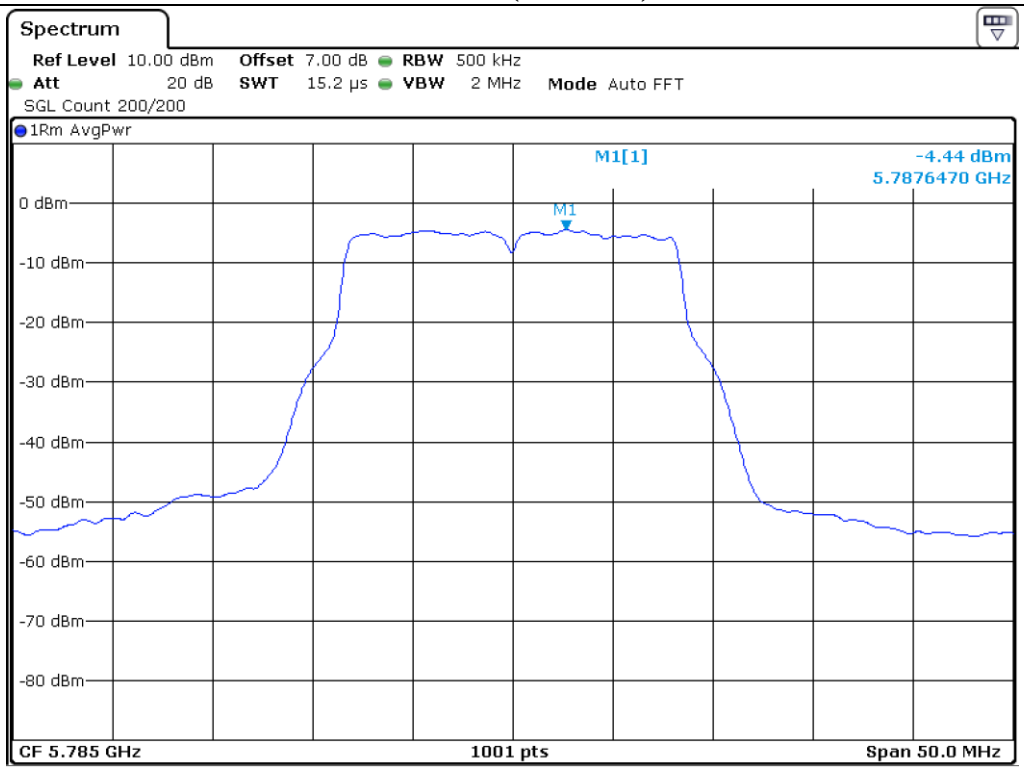
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



High Channel (5 240 MHz)

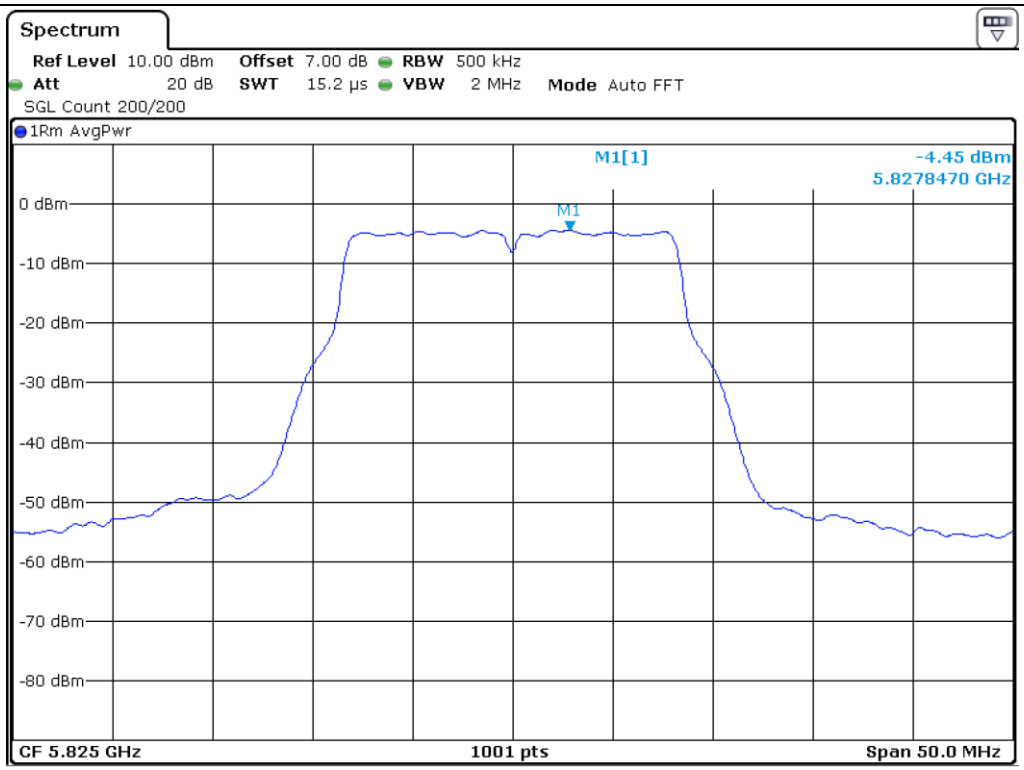


Low Chanel (5 745 MHz)



Middle Channel (5 785 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



High Channel (5 825 MHz)

10.5 Test data for 802.11n_HT20 WLAN Mode

10.5.1 Test data for Antenna 0

-. Test Date : February 28, 2019

-. Operating condition : Highest Output Power Transmitting Mode

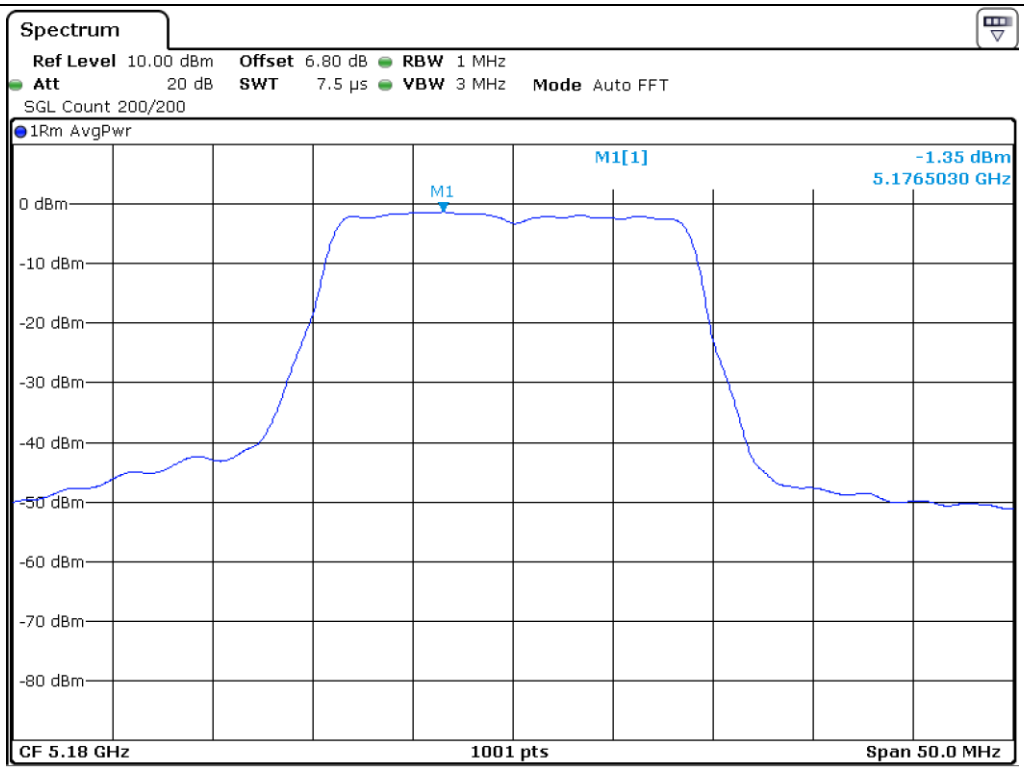
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	-1.35	11.00	12.35
	Middle	5 220.00	-1.38	11.00	12.38
	High	5 240.00	-1.69	11.00	12.69
5 725 ~ 5 850	Low	5 745.00	-5.50	30.00	35.50
	Middle	5 785.00	-5.28	30.00	35.28
	High	5 825.00	-5.78	30.00	35.78

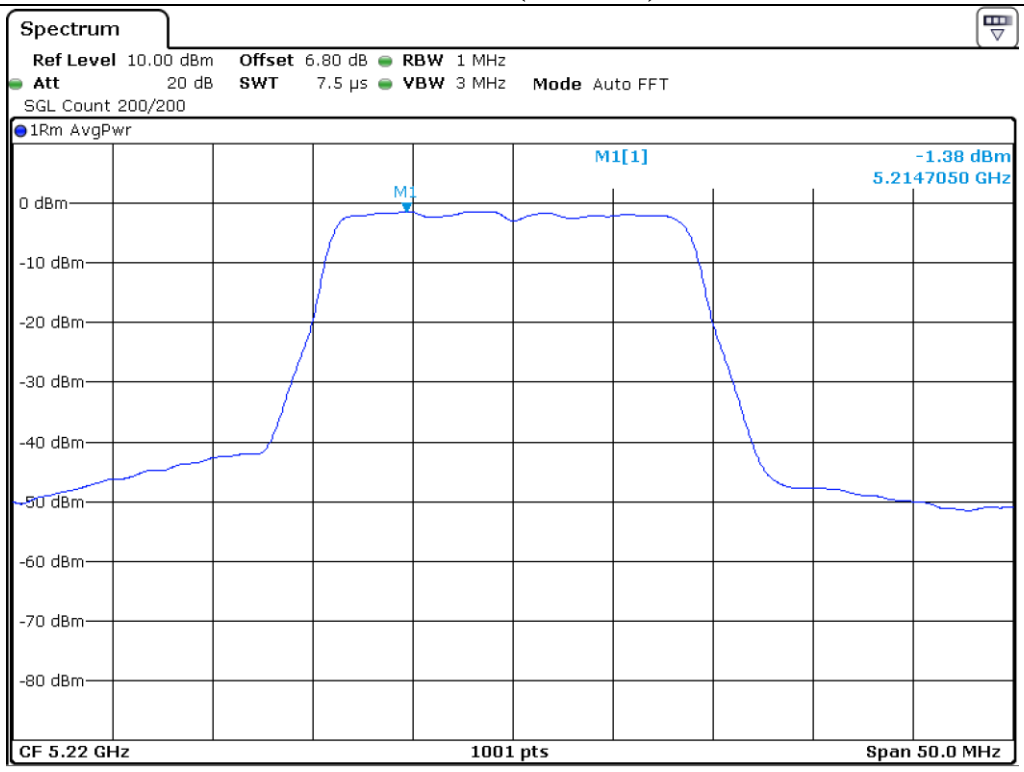
Remark: See next page for measurement data.

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

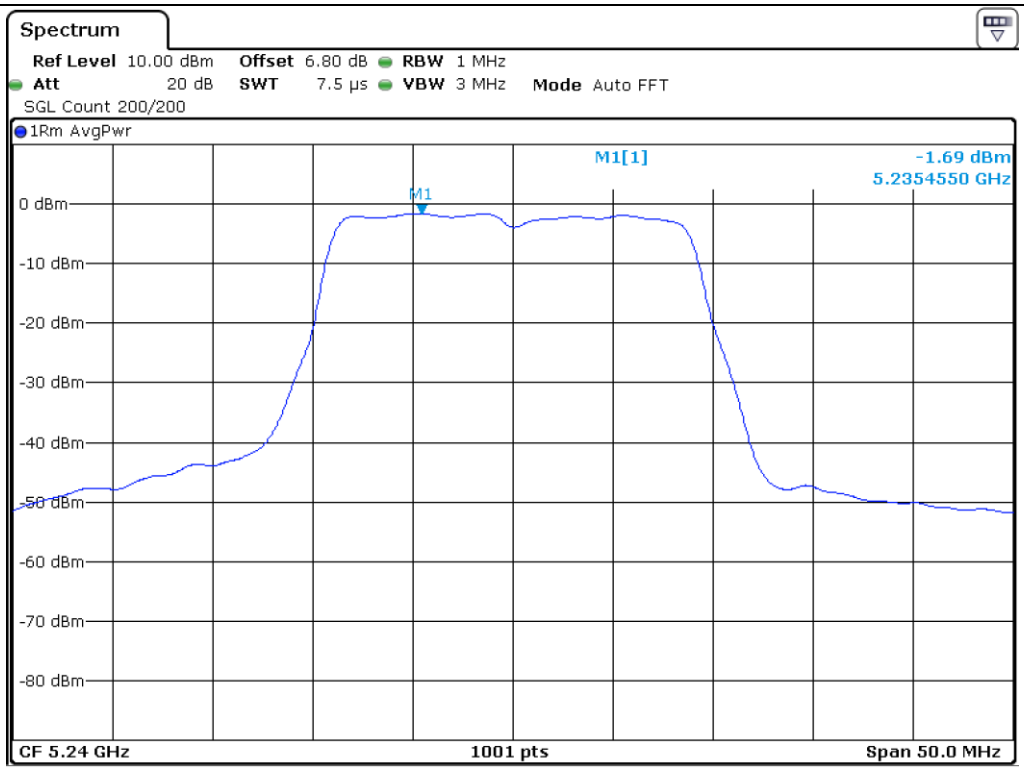


Low Channel (5 180 MHz)

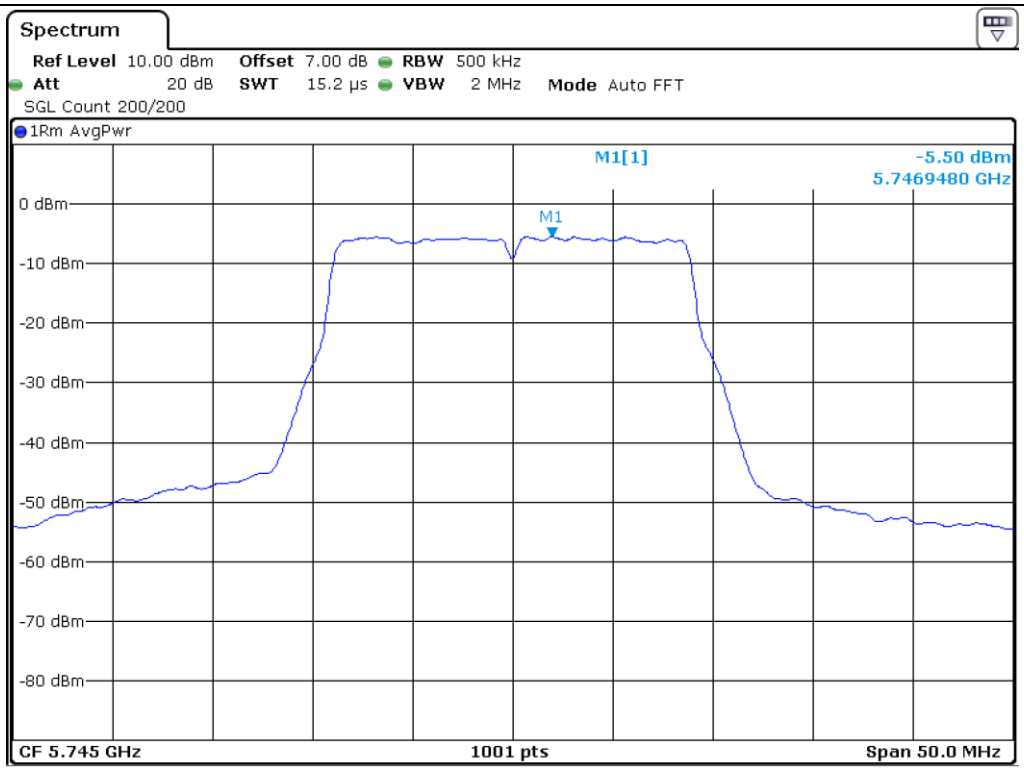


Middle Channel (5 220 MHz)

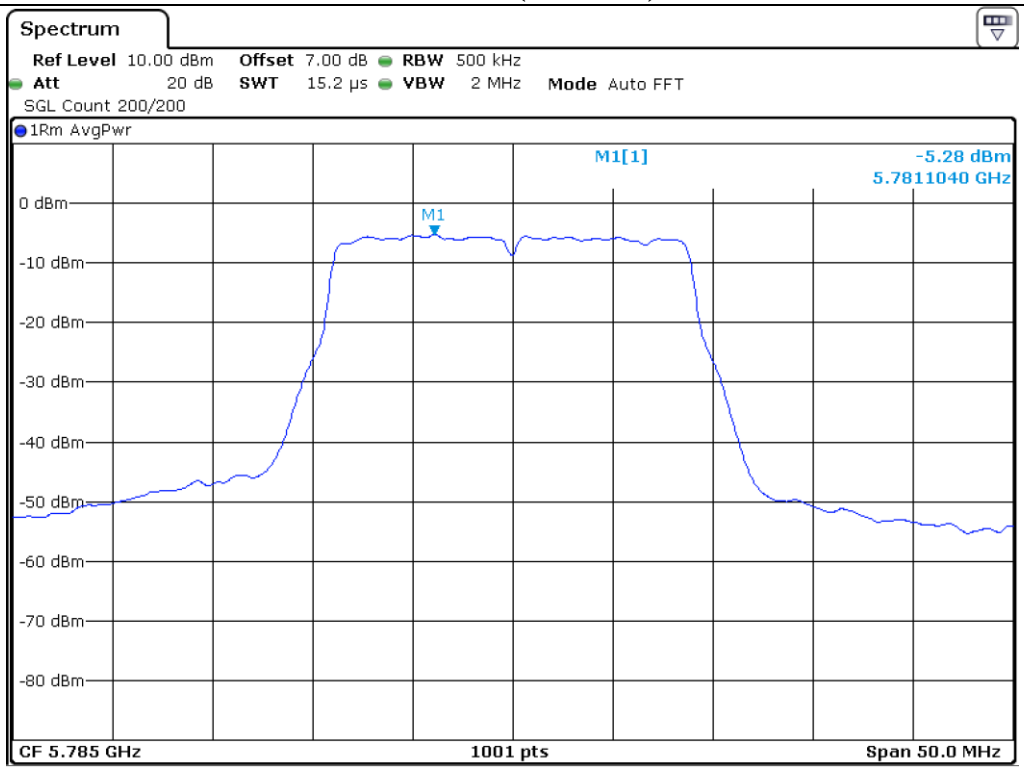
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



High Channel (5 240 MHz)

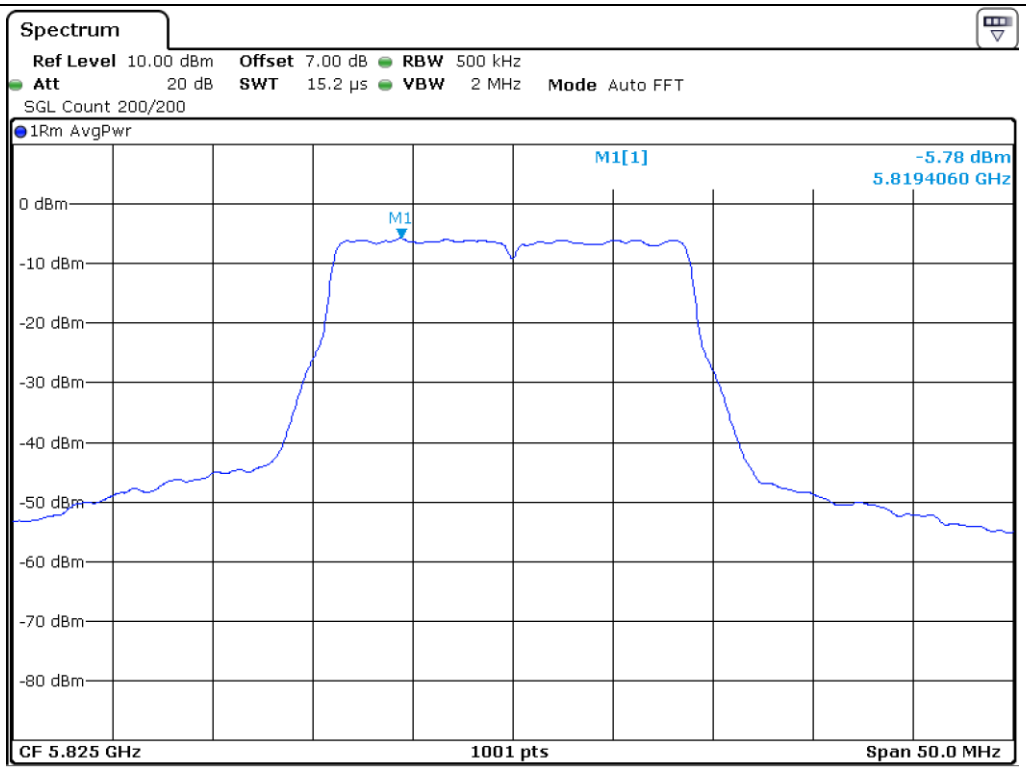


Low Channel (5 745 MHz)



Middle Channel (5 785 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



High Channel (5 825 MHz)

10.5.2 Test data for Antenna 1

-. Test Date : February 28, 2019

-. Operating condition : Highest Output Power Transmitting Mode

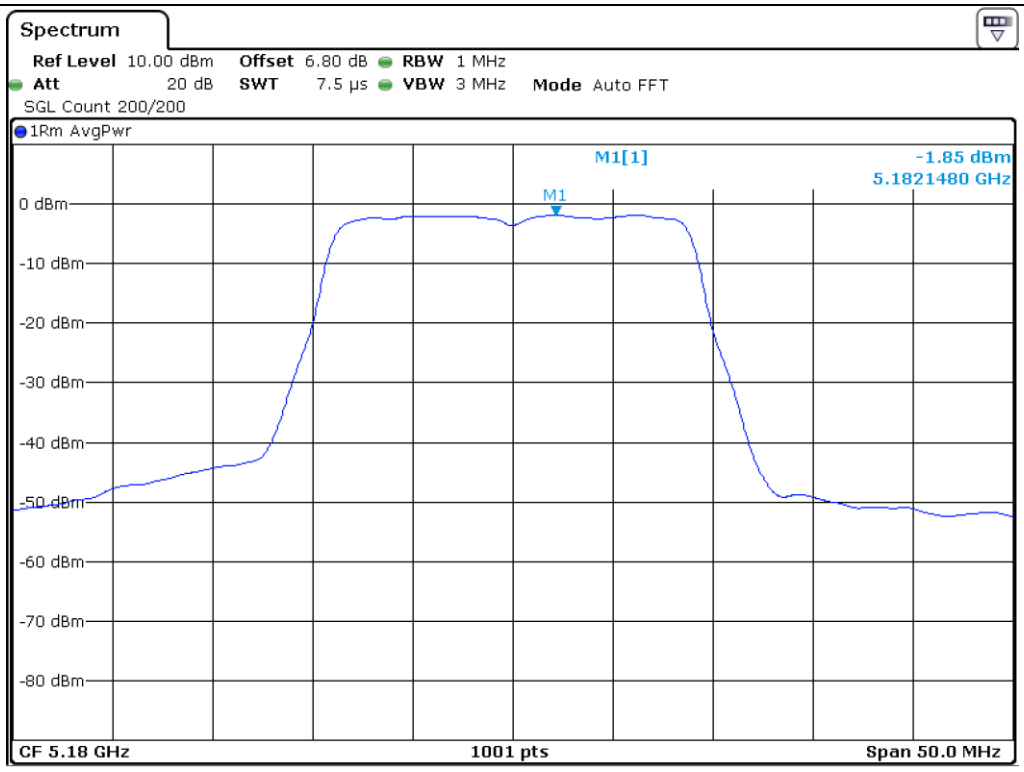
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	-1.85	11.00	12.85
	Middle	5 220.00	-1.94	11.00	12.94
	High	5 240.00	-2.18	11.00	13.18
5 725 ~ 5 850	Low	5 745.00	-4.73	30.00	34.73
	Middle	5 785.00	-4.94	30.00	34.94
	High	5 825.00	-4.46	30.00	34.46

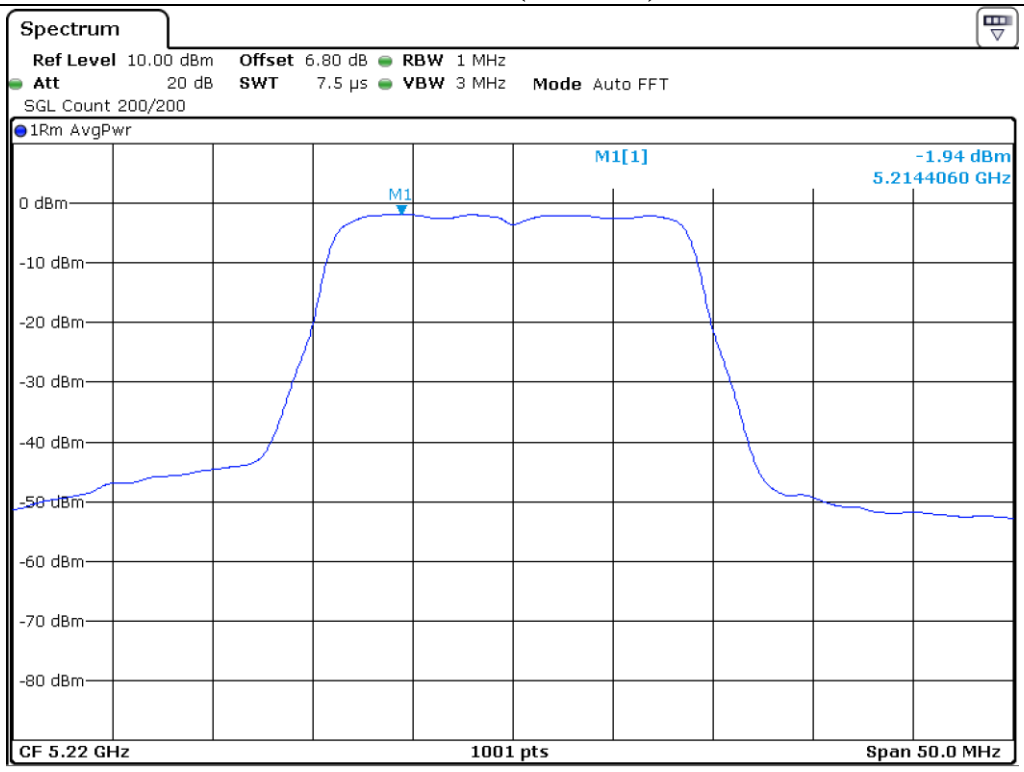
Remark: See next page for measurement data.

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

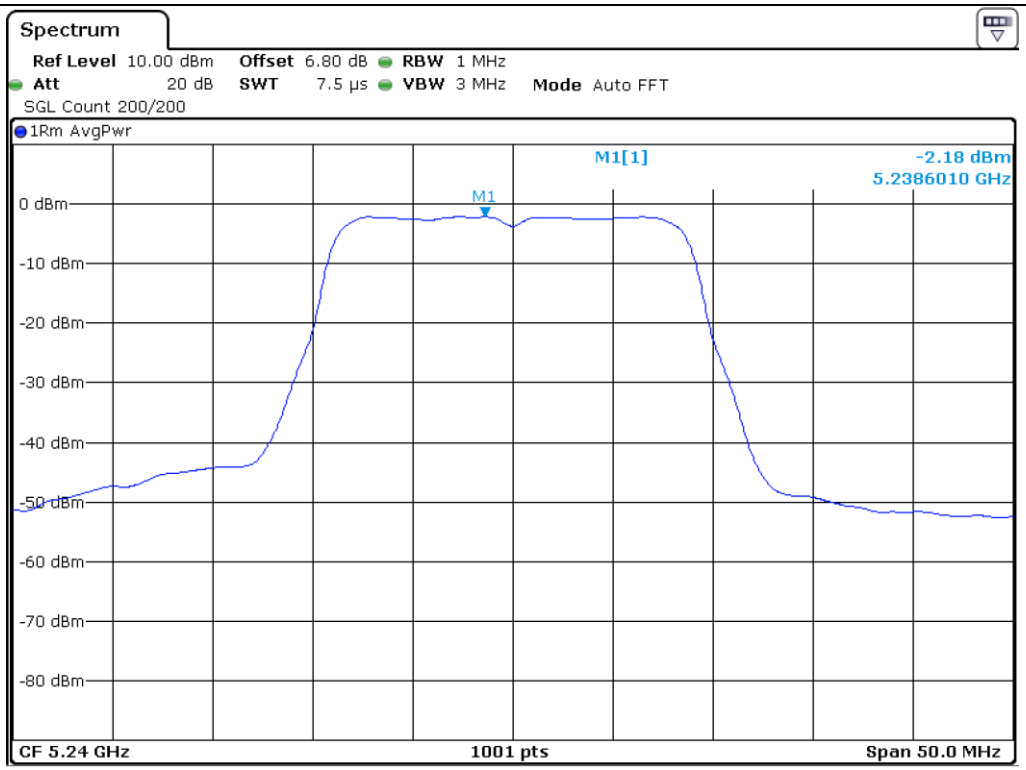


Low Channel (5 180 MHz)

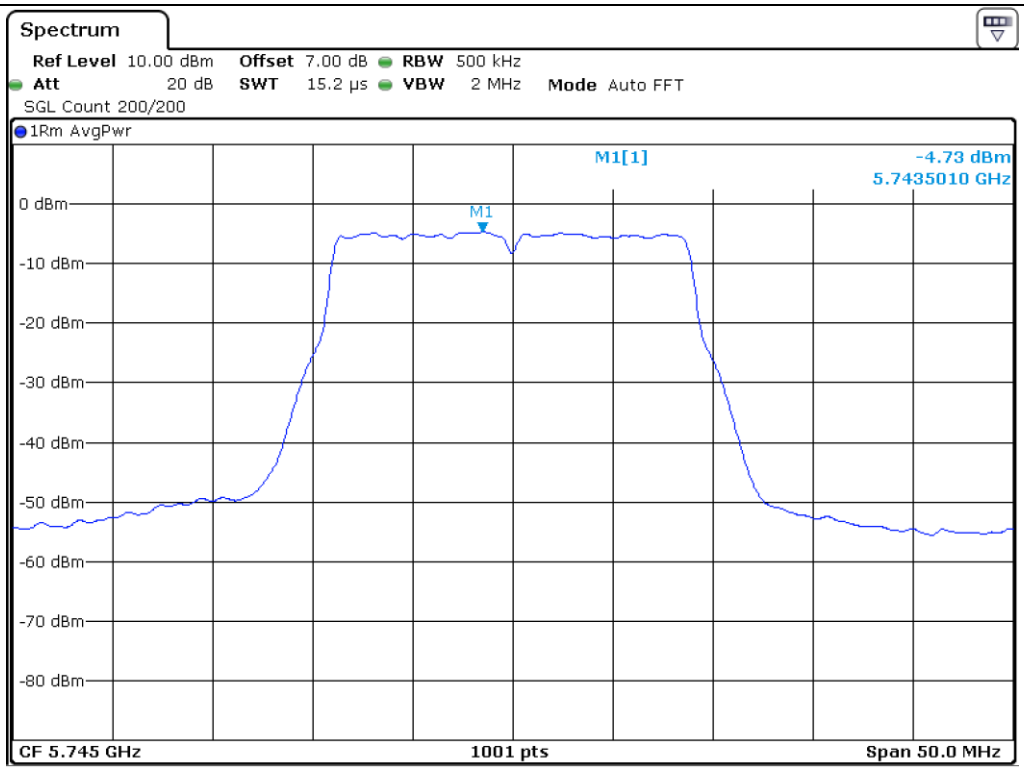


Middle Channel (5 220 MHz)

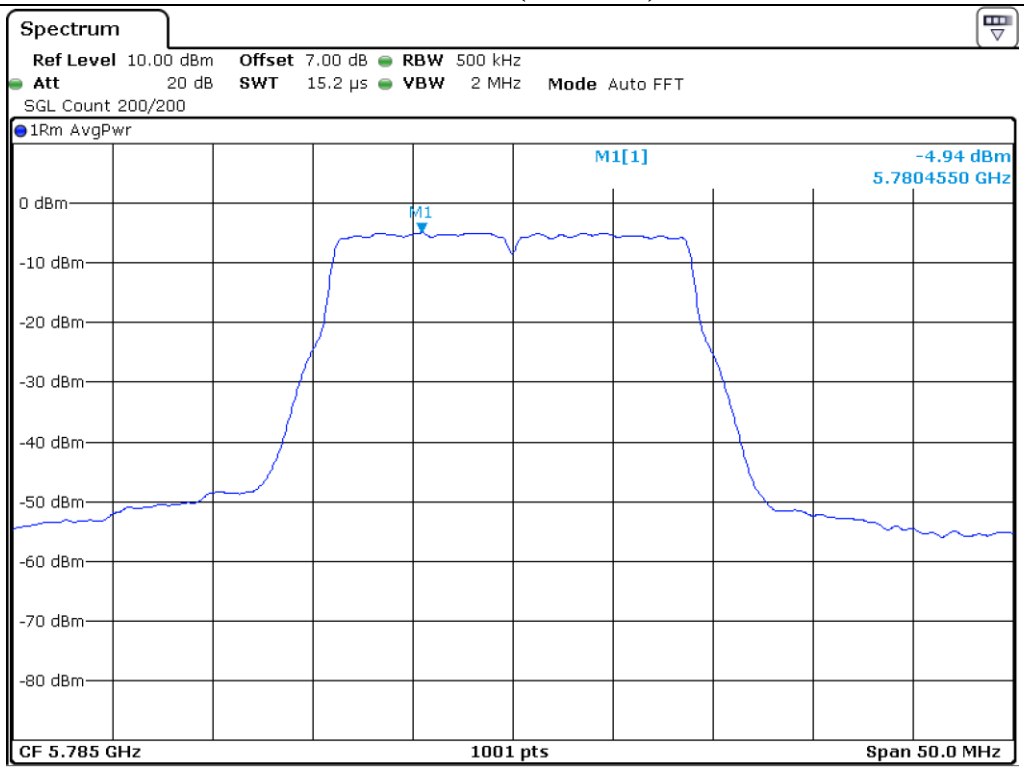
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



High Channel (5 240 MHz)

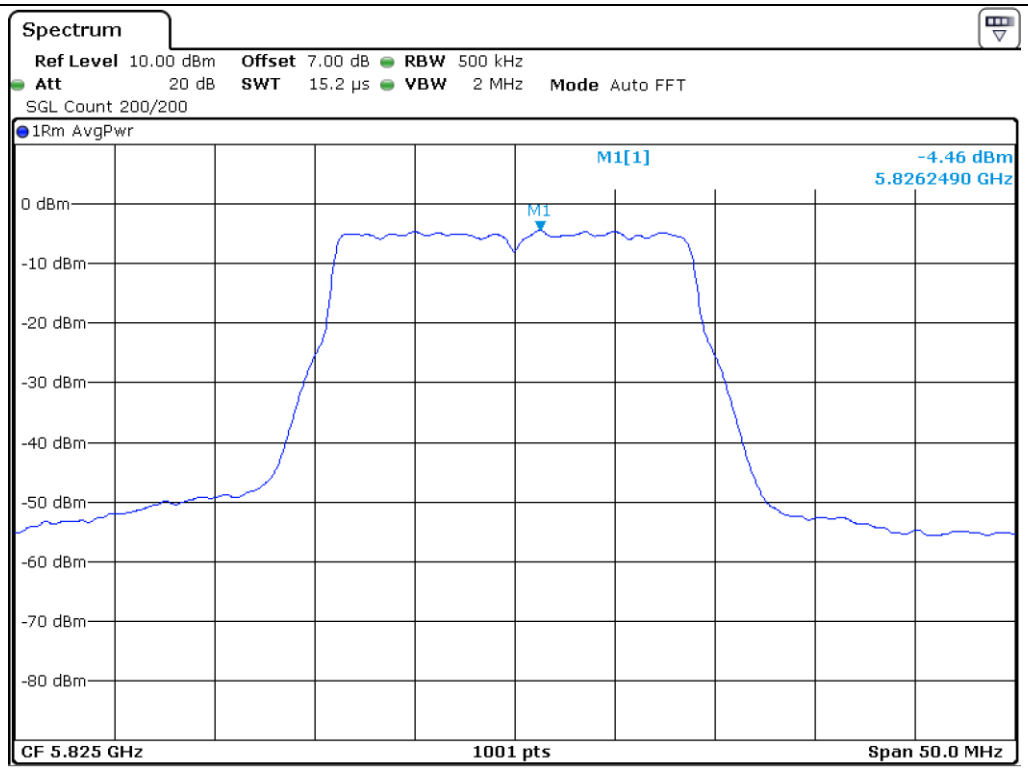


Low Channel (5 745 MHz)



Middle Channel (5 785 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



High Channel (5 825 MHz)

10.5.3 Test data for Multiple Transmit

-. Test Date : February 28, 2019

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Calculated Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	1.42	11.00	9.58
	Middle	5 220.00	1.36	11.00	9.64
	High	5 240.00	1.08	11.00	9.92
5 725 ~ 5 850	Low	5 745.00	-2.09	28.90	30.99
	Middle	5 785.00	-2.10	28.90	31.00
	High	5 825.00	-2.06	28.90	30.96

Remark 1 : See next page for measurement data.

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

Remark 3 : Peak Power Spectral Density shall be reduced by the amount in dB that the directional gain of the anteena exceeds 6 dBi.

Tested by: Ha-Ram Lee / Assistant Manager

10.6 Test data for 802.11n_HT40 WLAN Mode

10.6.1 Test data for Antenna 0

-. Test Date : February 28, 2019

-. Operating condition : Highest Output Power Transmitting Mode

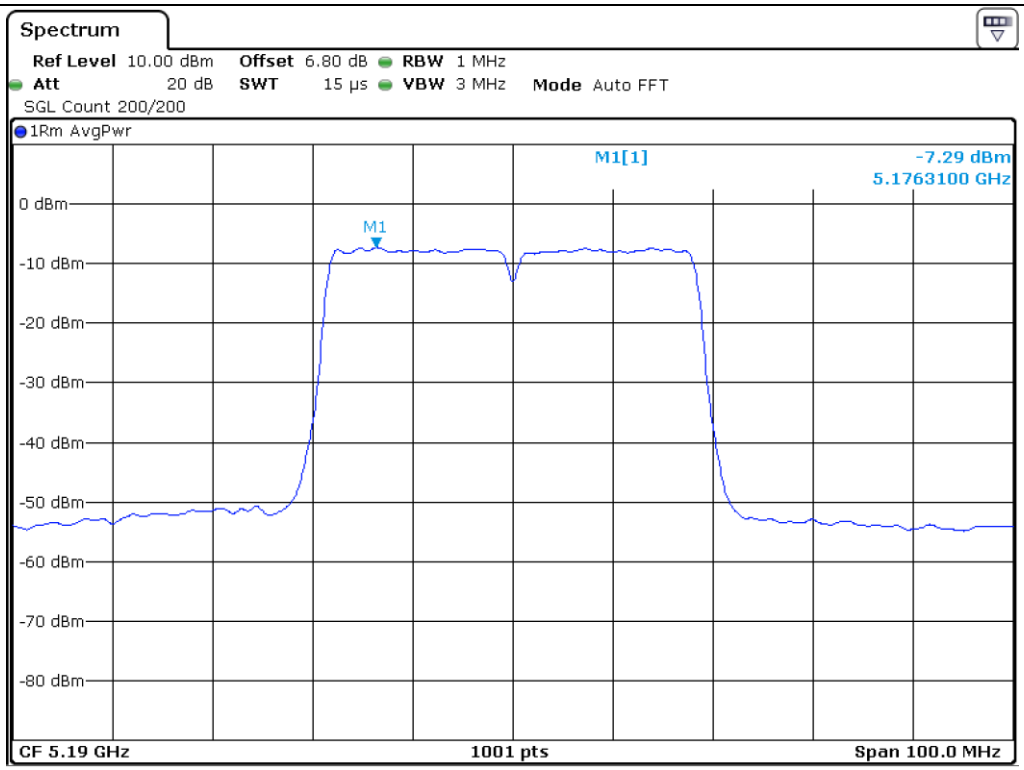
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 190.00	-7.29	11.00	18.29
	High	5 230.00	-7.09	11.00	18.09
5 725 ~ 5 850	Low	5 755.00	-10.94	30.00	40.94
	High	5 795.00	-10.90	30.00	40.90

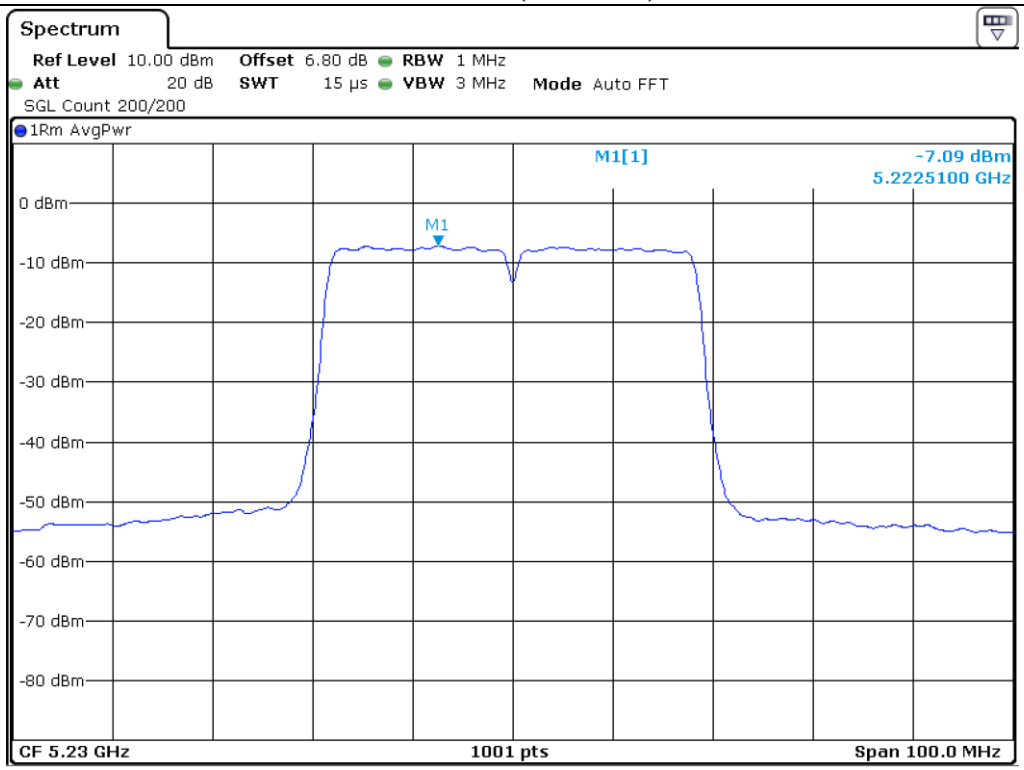
Remark: See next page for measurement data.

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

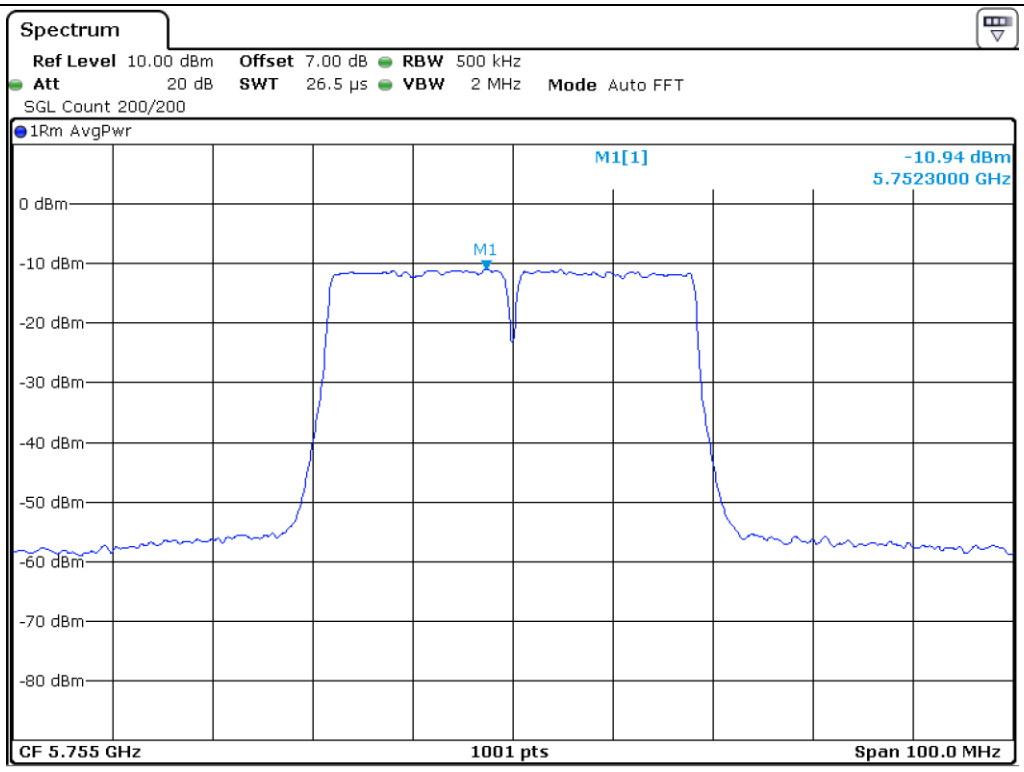


Low Channel (5 190 MHz)

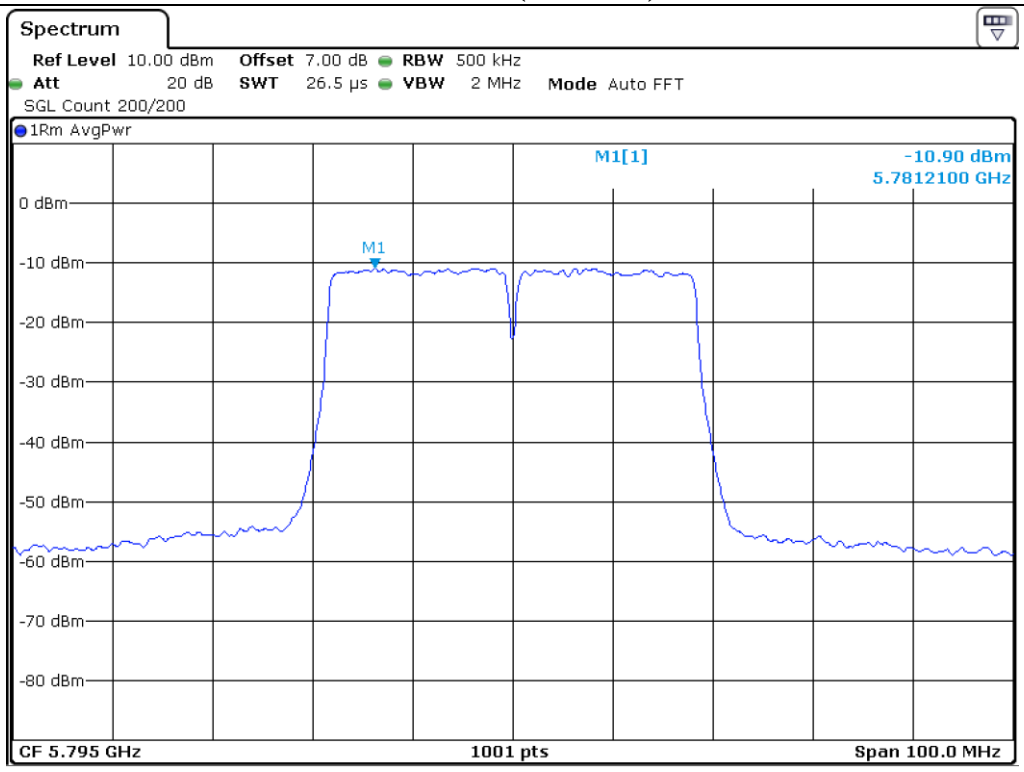


High Channel (5 230 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



Low Channel (5 755 MHz)



High Channel (5 795 MHz)

10.6.2 Test data for Antenna 1

-. Test Date : February 28, 2019

-. Operating condition : Highest Output Power Transmitting Mode

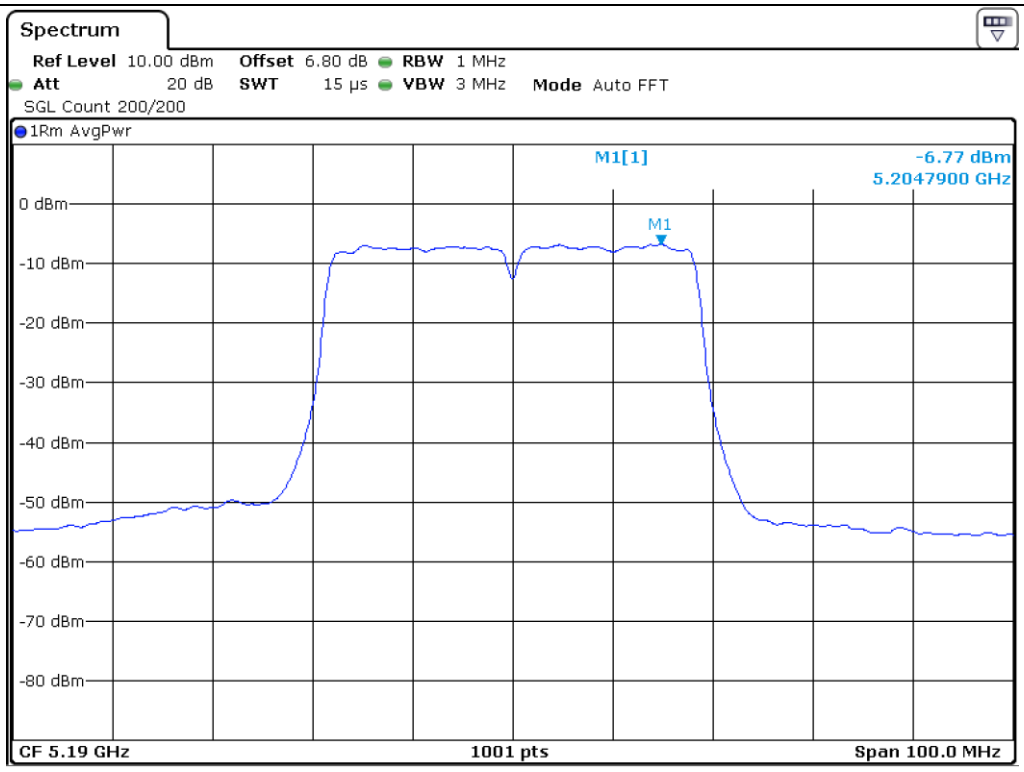
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 190.00	-6.77	11.00	17.77
	High	5 230.00	-7.06	11.00	18.06
5 725 ~ 5 850	Low	5 755.00	-9.30	30.00	39.30
	High	5 795.00	-9.57	30.00	39.57

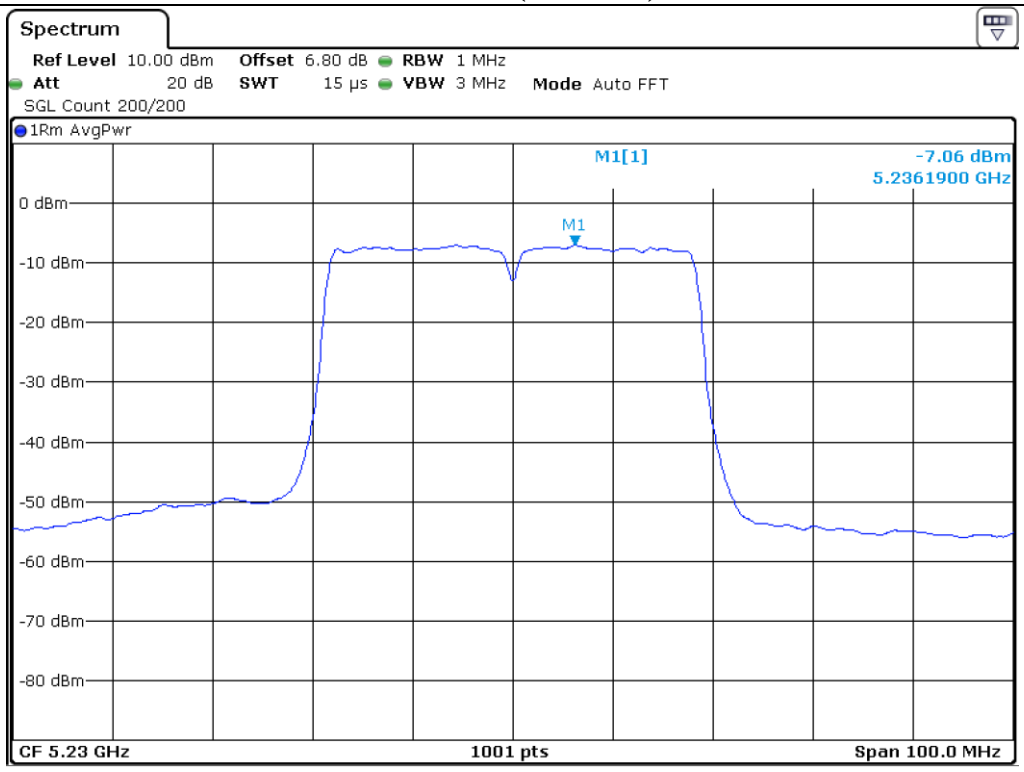
Remark: See next page for measurement data.

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

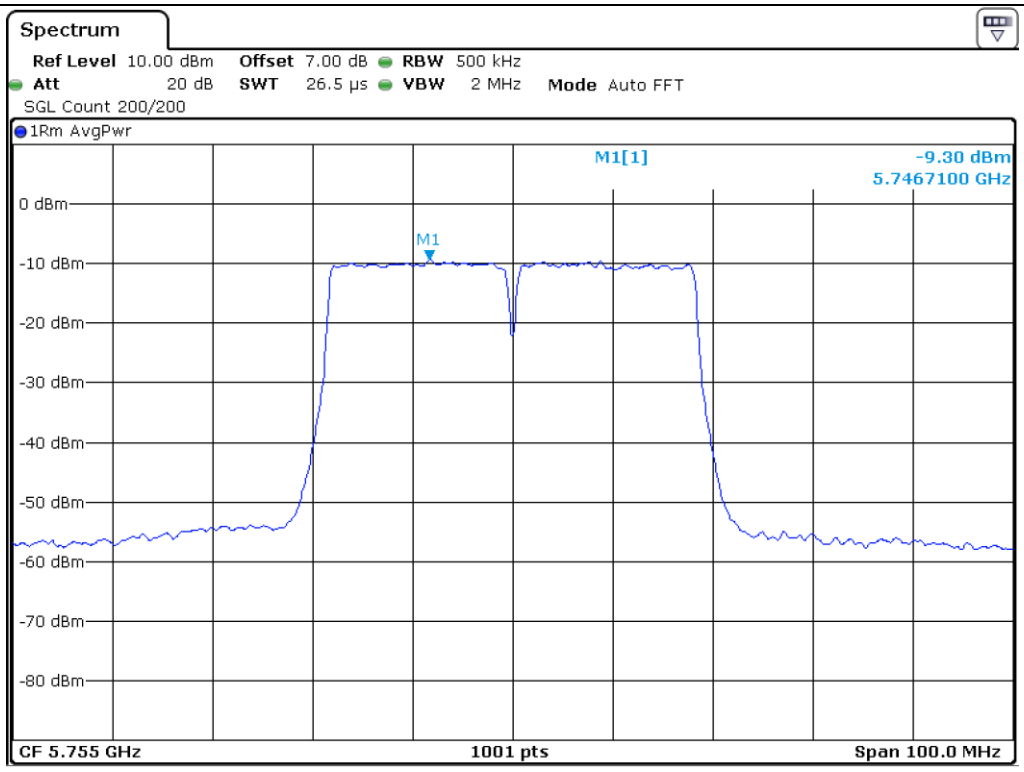


Low Channel (5 190 MHz)

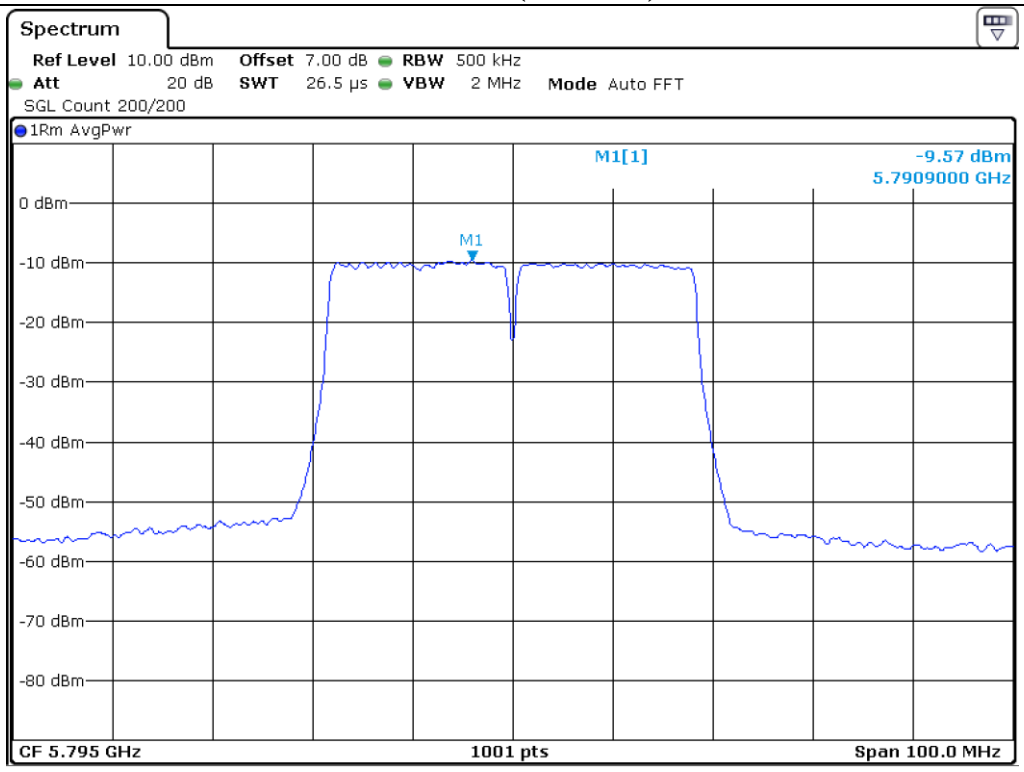


High Channel (5 230 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



Low Channel (5 755 MHz)



High Channel (5 795 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

10.6.3 Test data for Multiple Transmit

-. Test Date : February 28, 2019

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 190.00	-4.01	11.00	15.01
	High	5 230.00	-4.06	11.00	15.06
5 725 ~ 5 850	Low	5 755.00	-7.03	28.90	35.93
	High	5 795.00	-7.17	28.90	36.07

Remark 1 : See next page for measurement data.

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

Remark 3 : Peak Power Spectral Density shall be reduced by the amount in dB that the directional gain of the anteena exceeds 6 dBi.

Tested by: Ha-Ram Lee / Assistant Manager

10.7 Test data for 802.11ac_HT80 WLAN Mode

10.7.1 Test data for Antenna 0

-. Test Date : February 28, 2019

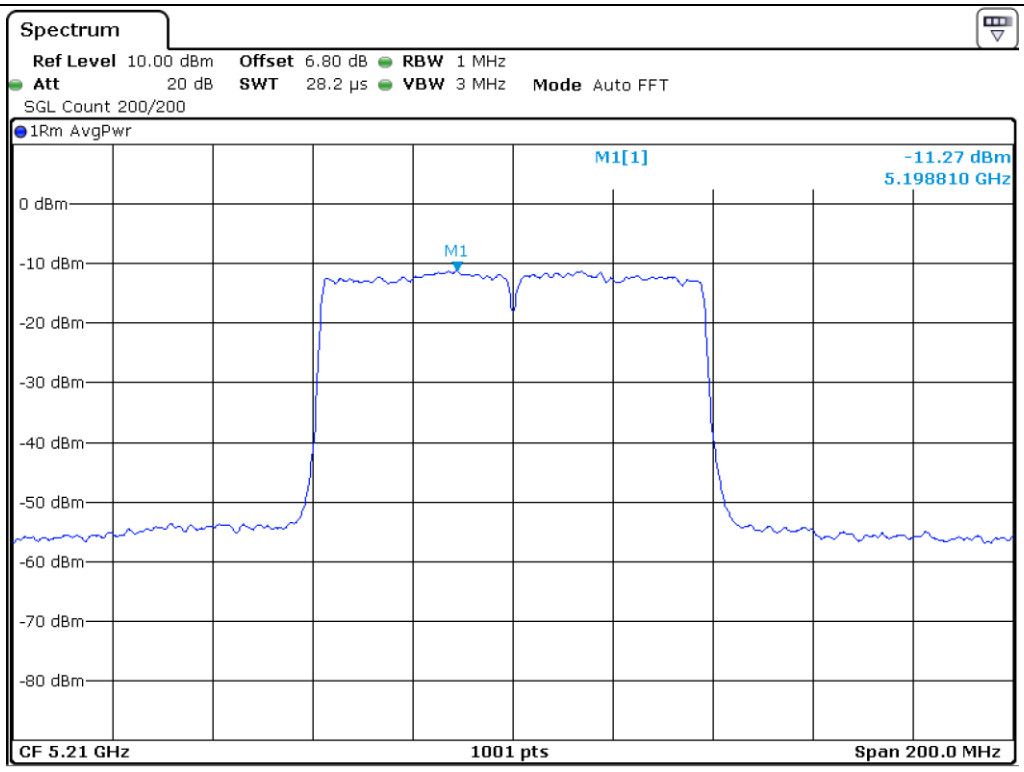
-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

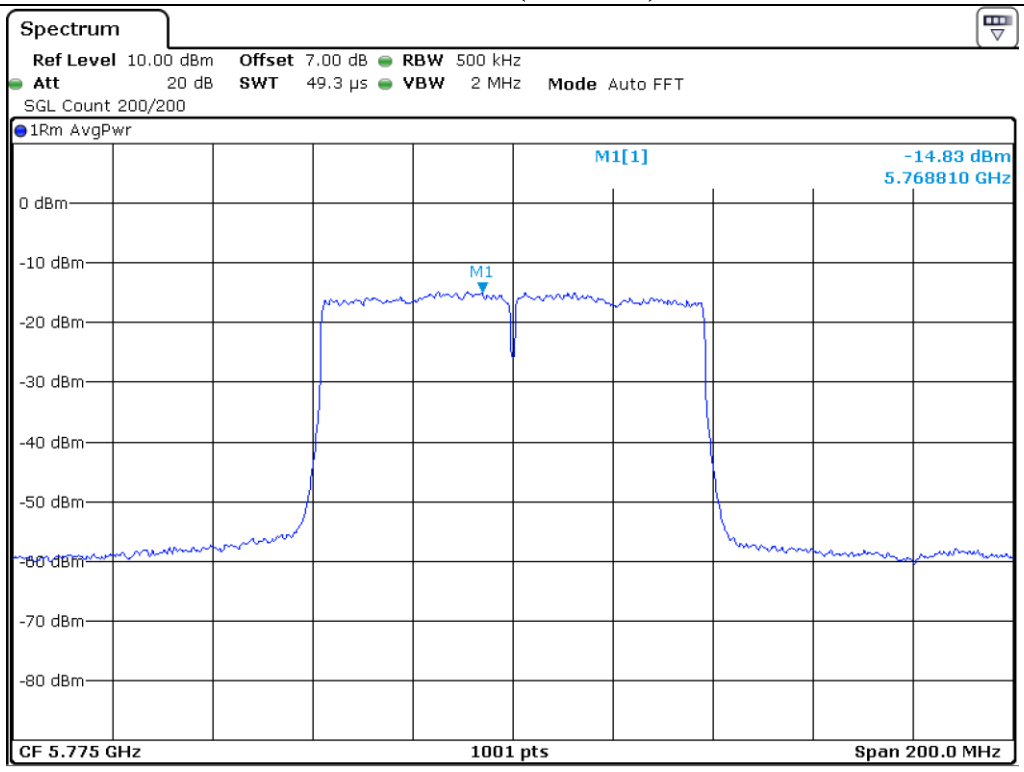
Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 210.00	-11.27	11.00	22.27
5 725 ~ 5 850	Low	5 775.00	-14.83	30.00	44.83

Remark: See next page for measurement data.

Tested by: Ha-Ram Lee / Assistant Manager



Low Channel (5 210 MHz)



Low Channel (5 775 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

10.7.2 Test data for Antenna 1

-. Test Date : February 28, 2019

-. Operating condition : Highest Output Power Transmitting Mode

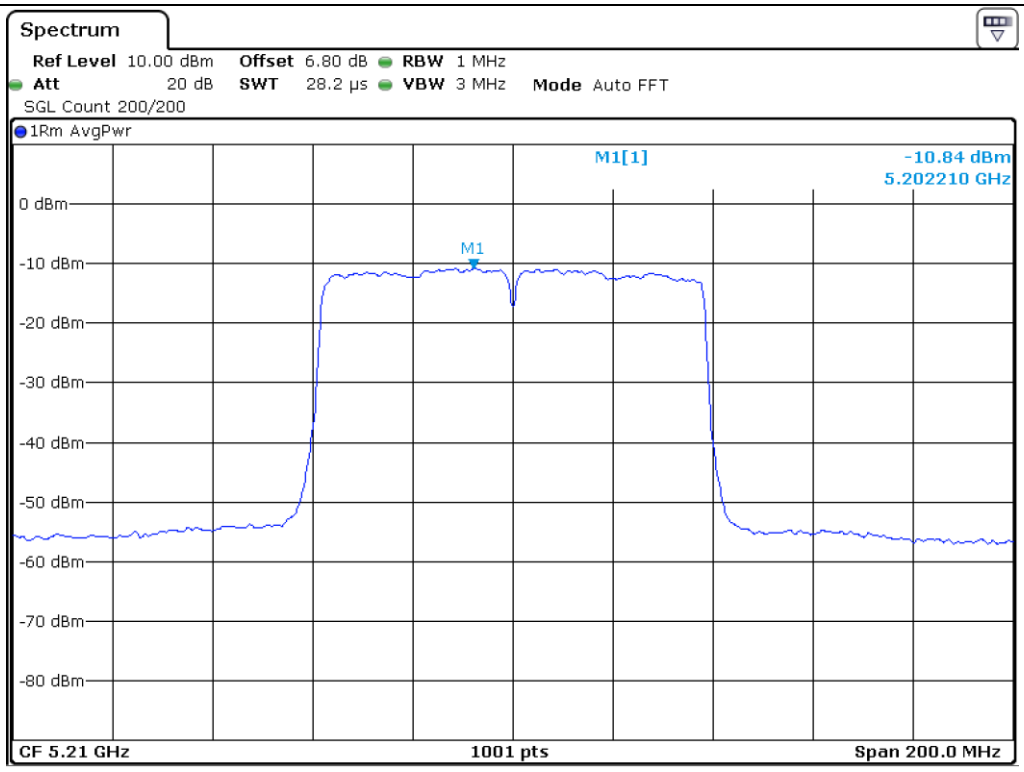
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 210.00	-10.84	11.00	21.84
5 725 ~ 5 850	Low	5 775.00	-13.66	30.00	43.66

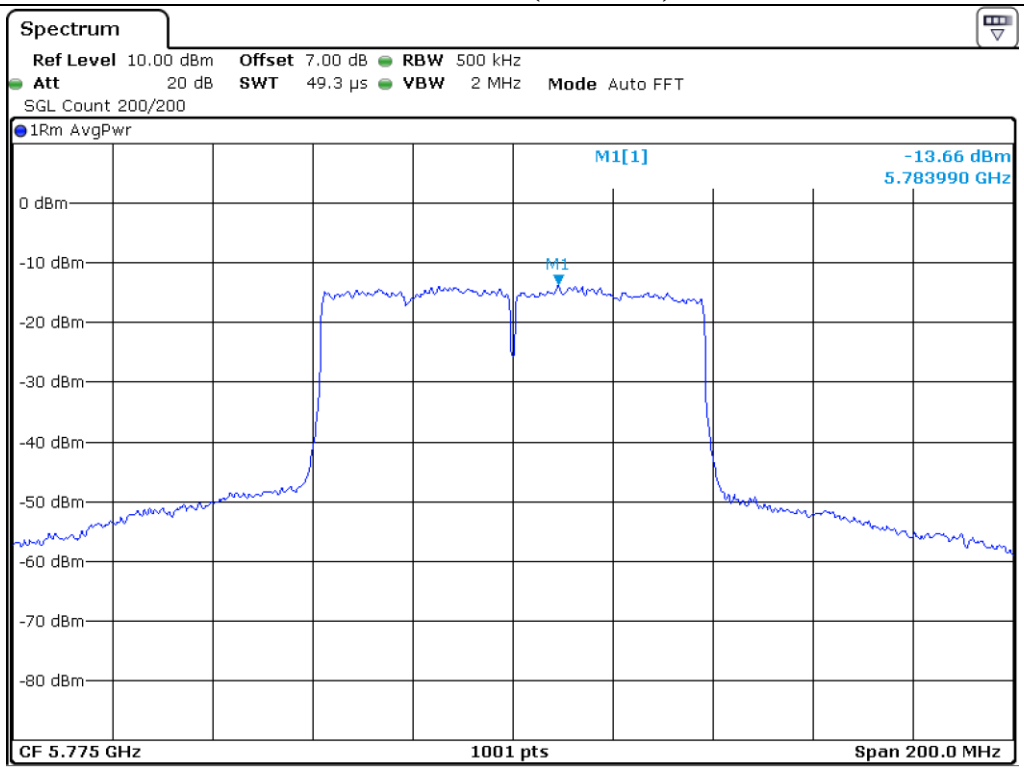
Remark: See next page for measurement data.

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)



Middle Channel (5 210 MHz)



Middle Channel (5 775 MHz)

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

10.7.3 Test data for Multiple Transmit

-. Test Date : February 28, 2019

-. Operating condition : Highest Output Power Transmitting Mode

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Calculated Value (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 210.00	-8.04	11.00	19.04
5 725 ~ 5 850	Low	5 775.00	-11.20	28.90	40.10

Remark 1 : See next page for measurement data.

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

Remark 3 : Peak Power Spectral Density shall be reduced by the amount in dB that the directional gain of the anteena exceeds 6 dBi.

Tested by: Ha-Ram Lee / Assistant Manager

11. FREQUENCY STABILITY WITH TEMPERATURE VARIATION

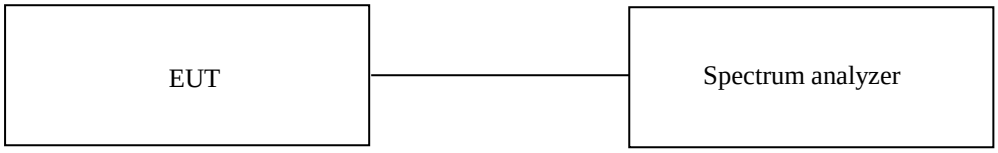
11.1 Operating environment

Temperature : 24 ℃

Relative humidity : 42 % R.H.

11.2 Test set-up

Turn EUT off and set chamber temperature to -20 ℃ and then allow sufficient time (approximately 20 min to 30 min after chamber reach the assigned temperature) for EUT to stabilize. Turn on the EUT and measure the EUT operating frequency and then turn off the EUT after the measurement. The temperature in the chamber was raised 10 ℃ step from -20 ℃ to +50 ℃. Repeat above method for frequency measurements every 10 ℃ step and then record all measured frequencies on each temperature step.



11.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.(Interval)
■ -	FSV30	Rohde & Schwarz	Signal Analyzer	101200	Aug. 23, 2018 (1Y)
■ -	PSL-2KP	ESPEC	Humidity Chamber	14009407	Feb. 22, 2019 (1Y)
■ -	H-3005D	FinePower	DC Power supply	FP09092008	Mar. 13, 2019 (1Y)

All test equipment used is calibrated on a regular basis.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

11.4 Test Data

-. Test Date : February 28, 2019

-. Result : Pass

Temperature (˚C)	Carrier Freq. (Hz)	Measured Freq. (Hz)	Freequency Error (kHz)
-20	5 180 000 000	5 179 978 443	-21.557
-10		5 179 977 235	-22.765
0		5 179 976 668	-23.332
10		5 179 976 339	-23.661
20		5 179 975 713	-24.287
30		5 179 975 422	-24.578
40		5 179 974 832	-25.168
50		5 179 974 135	-25.865
-20	5 220 000 000	5 219 978 421	-21.579
-10		5 219 977 221	-22.779
0		5 219 976 345	-23.655
10		5 219 976 135	-23.865
20		5 219 975 257	-24.743
30		5 219 975 222	-24.778
40		5 219 974 815	-25.185
50		5 219 974 354	-25.646
-20	5 240 000 000	5 239 970 276	-29.724
-10		5 239 969 233	-30.767
0		5 239 968 453	-31.547
10		5 239 968 226	-31.774
20		5 239 967 443	-32.557
30		5 239 967 233	-32.767
40		5 239 966 740	-33.260
50		5 239 966 863	-33.137
-20	5 745 000 000	5 744 968 499	-31.501
-10		5 744 967 485	-32.515
0		5 744 966 878	-33.122
10		5 744 966 444	-33.556
20		5 744 966 023	-33.977
30		5 744 965 538	-34.462
40		5 744 965 206	-34.794
50		5 744 965 193	-34.807

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

-20	5 785 000 000	5 784 967 983	-32.017
-10		5 784 966 950	-33.050
0		5 784 966 463	-33.537
10		5 784 965 744	-34.256
20		5 784 966 324	-33.676
30		5 784 965 136	-34.864
40		5 784 964 244	-35.756
50		5 784 964 064	-35.936
-20	5 825 000 000	5 824 968 215	-31.785
-10		5 824 967 166	-32.834
0		5 824 966 523	-33.477
10		5 824 966 110	-33.890
20		5 824 965 714	-34.286
30		5 824 965 313	-34.687
40		5 824 964 924	-35.076
50		5 824 964 836	-35.164

Note : While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.(ANSI C63.10-2013)

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

12. FREQUENCY STABILITY WITH VOLTAGE VARIATION

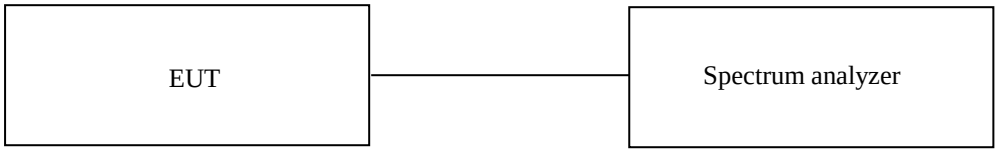
12.1 Operating environment

Temperature : 24 ℃

Relative humidity : 42 % R.H.

12.2 Test set-up

An external DC power supply was connected to the input of the EUT. The voltage of EUT set to 115 % of the nominal value and then was reduced to 85 % of nominal voltage. The output frequency was recorded at each step.



12.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.(Interval)
■ -	FSV30	Rohde & Schwarz	Signal Analyzer	101200	Aug. 23, 2018 (1Y)
■ -	H-3005D	FinePower	DC Power supply	FP09092008	Mar. 13, 2019 (1Y)

All test equipment used is calibrated on a regular basis.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

12.4 Test Data

-. Test Date : February 28, 2019

-. Result : Pass

Voltage (Vdc)	Carrier Freq. (Hz)	Measured Freq. (Hz)	Freequency Error (kHz)
13.80	5 180 000 000	5 179 976 683	-23.317
12.00		5 179 976 767	-23.233
10.20		5 179 976 868	-23.132
13.80	5 220 000 000	5 219 976 473	-23.527
12.00		5 219 976 547	-23.453
10.20		5 219 976 588	-23.412
13.80	5 240 000 000	5 239 978 555	-21.445
12.00		5 239 979 320	-20.680
10.20		5 239 979 734	-20.266
13.80	5 745 000 000	5 744 977 824	-22.176
12.00		5 744 977 874	-22.126
10.20		5 744 977 033	-22.967
13.80	5 785 000 000	5 784 976 235	-23.765
12.00		5 784 976 222	-23.778
10.20		5 784 976 743	-23.257
13.80	5 825 000 000	5 824 975 534	-24.466
12.00		5 824 975 575	-24.425
10.20		5 824 975 430	-24.570

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13. RADIATED SPURIOUS EMISSIONS

13.1 Operating environment

Temperature : 24 ℃

Relative humidity : 52 % R.H.

13.2 Test set-up

The radiated emissions measurements were on the 3 m semi anechoic chamber. The EUT and other support equipment were placed on a non-conductive turntable above the ground plane. The interconnecting cables from outside test site were inserted into ferrite clamps at the point where the cables reach the turntable.

The frequency spectrum from 30 MHz to 26.5 GHz was scanned and emission levels maximized at each frequency recorded. The system was rotated 360°, and the antenna was varied in height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

13.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.(Interval)
☐ -	ESCI	Rohde & Schwarz	EMI Test Receiver	101012	Oct. 22, 2018 (1Y)
■ -	ESR	Rohde & Schwarz	EMI Test Receiver	101470	Oct. 22, 2018 (1Y)
☐ -	FSP	Rohde & Schwarz	Spectrum Analyzer	100017	Aug. 23, 2018 (1Y)
■ -	310N	Sonoma Instrument	AMPLIFIER	312544	Mar. 18, 2019 (1Y)
■ -	FSV30	Rohde & Schwarz	Signal Analyzer	101200	Aug. 23, 2018 (1Y)
■ -	BBV 9718 B	Schwarzbeck	Pre-Amplifier	009	Mar. 20, 2019 (1Y)
■ -	MA-4000XPET	Innco Systems GmbH	Antenna Master	MA4000/509	N/A
☐ -	HD100	HD GmbH	Position Controller	N/A	N/A
■ -	DT3000-3t	Innco Systems GmbH	Turn Table	N/A	N/A
☐ -	FMZB 1513	Schwarzbeck	LOOP ANTENNA	1513-235	May. 13, 2018 (2Y)
■ -	VULB9163	Schwarzbeck	TRILOG Broadband Antenna	9163-419	Aug. 09, 2018 (2Y)
■ -	BBHA9120D	Schwarzbeck	Horn Antenna	BBHA9120D295	Aug. 16, 2017 (2Y)
■ -	BBHA9170	Schwarzbeck	Horn Antenna	BBHA91700179	Jul. 28, 2017 (2Y)
■ -	SCU40A	Rohde & Schwarz	Pre-Amplifier	100436	Mar. 11, 2019 (1Y)

All test equipment used is calibrated on a regular basis.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.4 Test data for 5.2 GHz

13.4.1 Test data for 30 MHz ~ 1 GHz

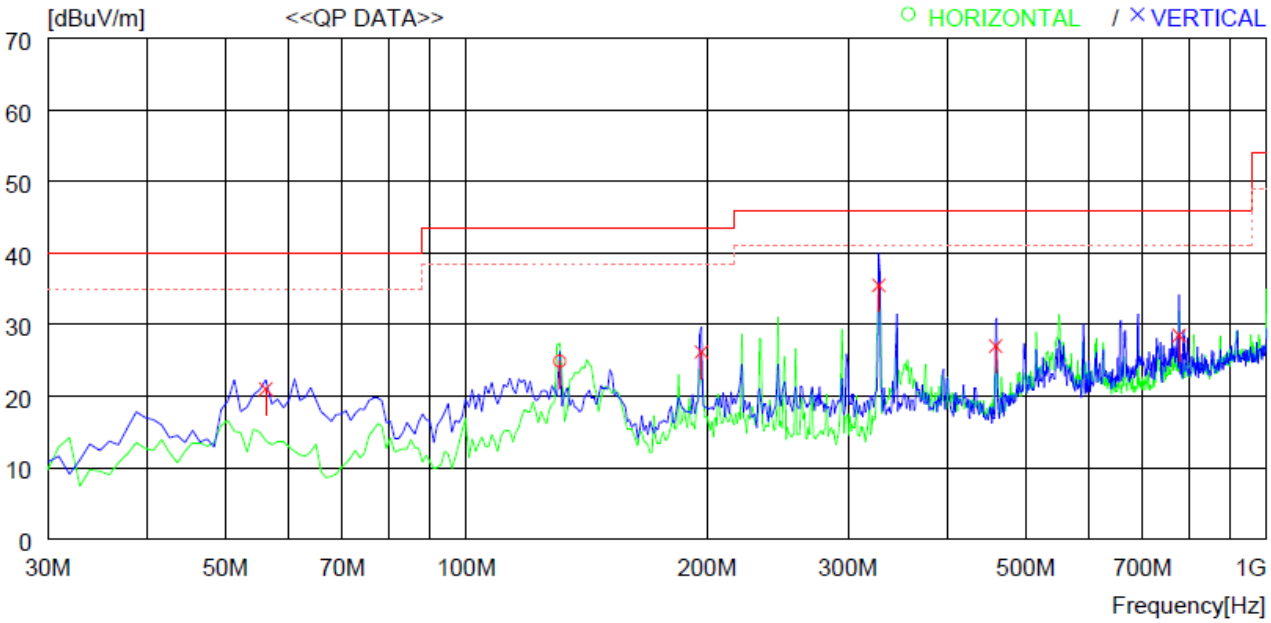
Humidity Level : 52 % R.H. Temperature: 24 ℃

Limits apply to : FCC CFR 47, PART 15, SUBPART E, SECTION 15.407

Result : PASSED

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz) Date: March 11, 2019

Note : 5 GHz operating mode were tested, (802.11ac WLAN Mode)



No.	FREQ	READING QP	ANT FACTOR	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	[dBuV]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal ------										
1	130.880	46.2	9.1	2.6	33.0	24.9	43.5	18.6	200	0
----- Vertical ------										
2	56.190	38.6	13.7	1.8	33.1	21.0	40.0	19.0	100	98
3	196.840	45.4	10.5	3.3	33.0	26.2	43.5	17.3	100	0
4	327.790	50.1	14.2	4.2	33.0	35.5	46.0	10.5	100	122
5	458.741	38.9	16.3	4.9	33.1	27.0	46.0	19.0	100	190
6	777.863	34.2	20.9	6.5	33.1	28.5	46.0	17.5	200	150

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.4.2 Test data for Below 30 MHz

-. Test Date : March 11, 2019

-. Resolution bandwidth : 200 Hz (from 9 kHz to 0.15 MHz), 9 kHz (from 0.15 MHz to 30 MHz)

-. Frequency range : 9 kHz ~ 30 MHz

-. Measurement distance : 3 m

-.Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBµV/m)	Limits (dBµV/m)	Margin (dB)
All emissions observed were 20dB below the limit and thus not reported.									

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.4.3 Test data for above 1 GHz

13.4.3.1 Test data for 802.11a WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : 93 %

-.Operating mode : Transmitting mode

Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Low Channel									
10 360.00	26.60	Peak	H	38.40	17.00	33.58	48.42	73.98	25.56
10 360.00	13.87	Average	H				35.69	53.98	18.29
10 360.00	27.64	Peak	V				49.46	73.98	24.52
10 360.00	14.34	Average	V				36.16	53.98	17.82
Middle Channel									
10 400.00	26.26	Peak	H	38.40	17.00	33.47	48.19	73.98	25.79
10 400.00	14.66	Average	H				36.59	53.98	17.39
10 400.00	26.15	Peak	V				48.08	73.98	25.90
10 400.00	14.44	Average	V				36.37	53.98	17.61
High Channel									
10 480.00	26.85	Peak	H	38.40	17.10	33.20	49.15	73.98	24.83
10 480.00	14.77	Average	H				37.07	53.98	16.91
10 480.00	27.41	Peak	V				49.71	73.98	24.27
10 480.00	14.69	Average	V				36.99	53.98	16.99

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

Tested by: Ha-Ram Lee / Assistant Manager

13.4.3.2 Test data for 802.11n (HT 20) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : 92 %

-.Operating mode : Transmitting mode

Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Low Channel									
10 360.00	25.66	Peak	H	38.40	17.00	33.58	47.48	73.98	26.50
10 360.00	15.08	Average	H				36.90	53.98	17.08
10 360.00	25.83	Peak	V				47.65	73.98	26.33
10 360.00	14.52	Average	V				36.34	53.98	17.64
Middle Channel									
10 400.00	26.08	Peak	H	38.40	17.00	33.47	48.01	73.98	25.97
10 400.00	14.38	Average	H				36.31	53.98	17.67
10 400.00	26.75	Peak	V				48.68	73.98	25.30
10 400.00	14.40	Average	V				36.33	53.98	17.65
High Channel									
10 480.00	26.62	Peak	H	38.40	17.10	33.20	48.92	73.98	25.06
10 480.00	14.47	Average	H				36.77	53.98	17.21
10 480.00	27.07	Peak	V				49.37	73.98	24.61
10 480.00	14.66	Average	V				36.96	53.98	17.02

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.4.3.3 Test data for 802.11n (HT 40) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

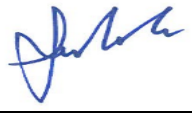
-. Duty Cycle : 86 %

-.Operating mode : Transmitting mode

Frequency (GHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel									
10 380.00	26.69	Peak	H	38.40	17.00	33.58	48.51	73.98	25.47
10 380.00	14.64	Average	H				36.46	53.98	17.52
10 380.00	26.69	Peak	V				48.51	73.98	25.47
10 380.00	14.82	Average	V				36.64	53.98	17.34
High Channel									
10 460.00	26.09	Peak	H	38.40	17.10	33.20	48.39	73.98	25.59
10 460.00	14.55	Average	H				36.85	53.98	17.13
10 460.00	26.70	Peak	V				49.00	73.98	24.98
10 460.00	14.67	Average	V				36.97	53.98	17.01

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)



Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.4.3.4 Test data for 802.11ac (HT 80) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : 75 %

-.Operating mode : Transmitting mode

Frequency (GHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel									
10420.00	26.61	Peak	H	38.40	17.00	33.58	48.43	73.98	25.55
10420.00	14.35	Average	H				36.17	53.98	17.81
10420.00	26.42	Peak	V				48.24	73.98	25.74
10420.00	14.44	Average	V				36.26	53.98	17.72

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

Tested by: Ha-Ram Lee / Assistant Manager

13.5 Test data for Co-location(BT + WLAN 2.4 GHz +WLAN 5.2 GHz)

13.5.1 Test data for 30 MHz ~ 1 GHz

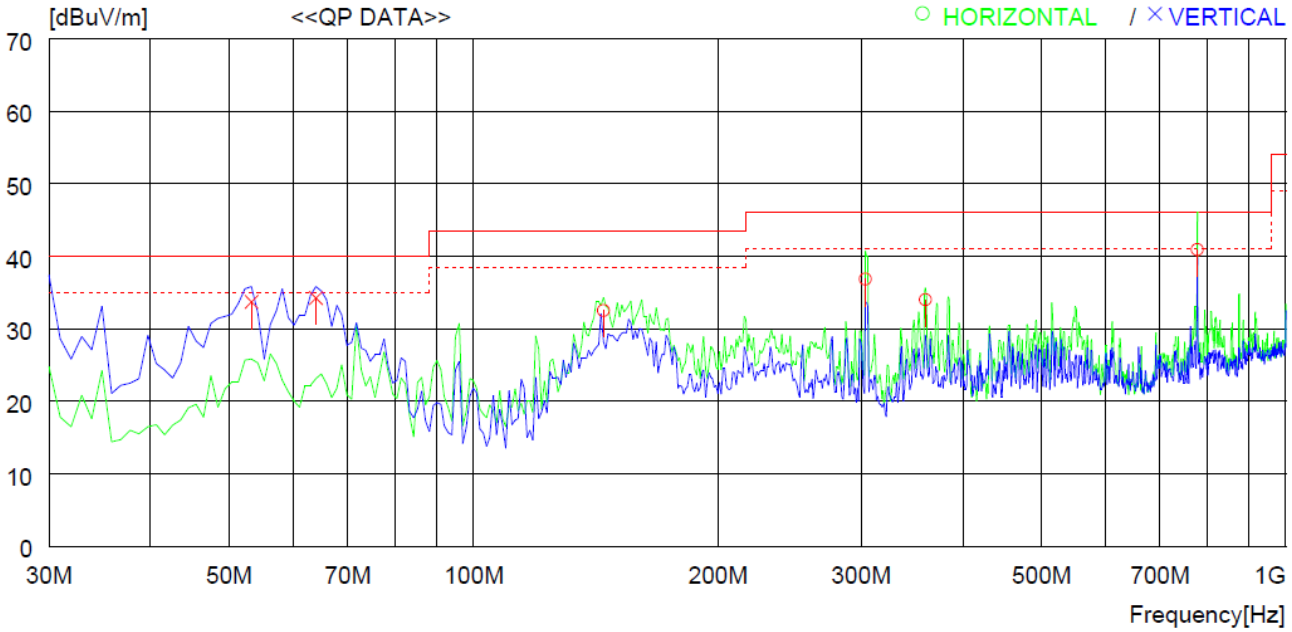
Humidity Level : 52 % R.H. Temperature: 24 ℃

Limits apply to : FCC CFR 47, PART 15, SUBPART C, SECTION 15.247 & SUBPART E, SECTION 15.407

Result : PASSED

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz) Date: June 04, 2019

Note : Co-location(BT + WLAN 2.4 GHz +WLAN 5.2 GHz) operating mode were tested



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	144.460	54.2	8.5	2.8	33.0	32.5	43.5	11.0	200	359
2	303.540	52.3	13.5	4.0	33.0	36.8	46.0	9.2	100	0
3	359.800	47.6	15.0	4.4	33.0	34.0	46.0	12.0	100	0
4	777.863	46.5	21.0	6.5	33.1	40.9	46.0	5.1	100	260
----- Vertical ------										
5	53.280	51.2	13.8	1.8	33.1	33.7	40.0	6.3	100	118
6	63.950	53.7	11.7	1.9	33.1	34.2	40.0	5.8	100	244

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.5.2 Test data for Below 30 MHz

-. Test Date : June 04, 2019

-. Resolution bandwidth : 200 Hz (from 9 kHz to 0.15 MHz), 9 kHz (from 0.15 MHz to 30 MHz)

-. Frequency range : 9 kHz ~ 30 MHz

-. Measurement distance : 3 m

-.Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBµV/m)	Limits (dBµV/m)	Margin (dB)
Emissions observed were 20dB below the limit and thus not reported									

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.5.3 Test data for above 1 GHz

-. Test Date : June 04, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : 93 %

-.Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBµV/m)	Limits (dBµV/m)	Margin (dB)
Emissions observed were 20dB below the limit and thus not reported									

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.6 Test data for 5.8 GHz

13.6.1 Test data for 30 MHz ~ 1 GHz

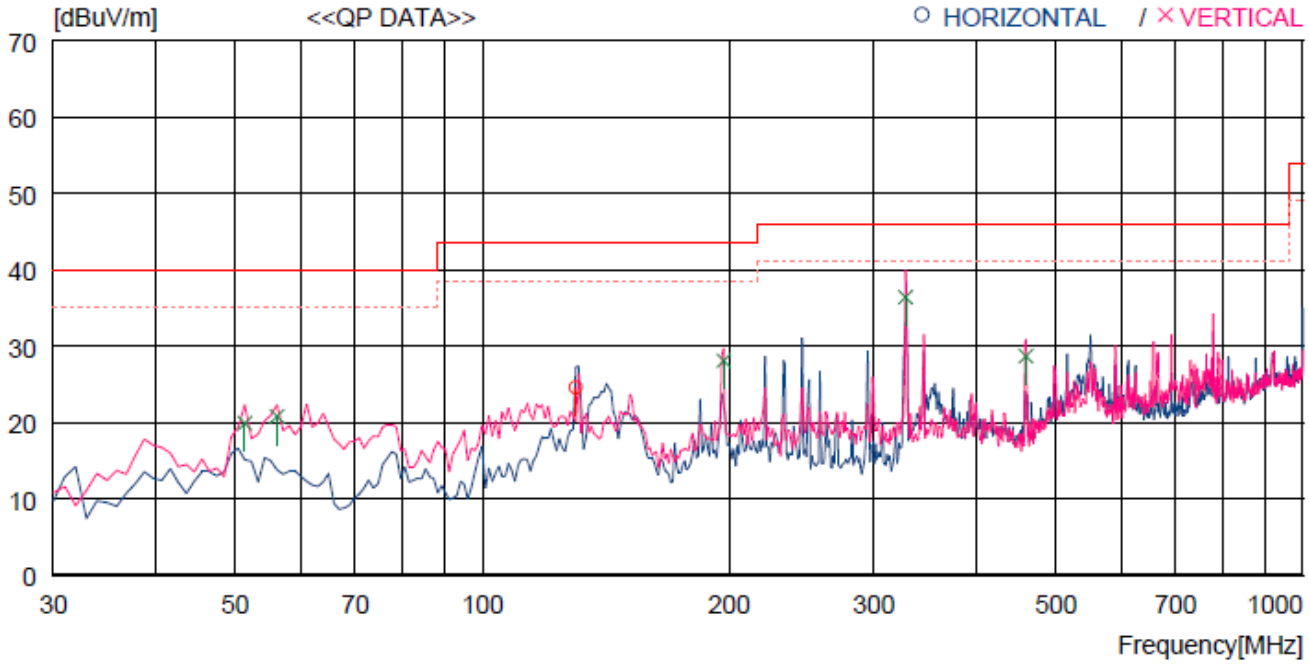
Humidity Level : 52 % R.H. Temperature: 24 ℃

Limits apply to : FCC CFR 47, PART 15, SUBPART E, SECTION 15.407

Result : PASSED

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz) Date: March 11, 2019

Note : 5 GHz operating mode were tested, (802.11ac WLAN Mode)



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	129.910	46.2	**8.7**	2.7	33.0	24.6	43.5	18.9	200	0
----- Vertical ------										
2	51.340	37.6	**13.7**	1.7	33.1	19.9	40.0	20.1	100	0
3	56.190	38.4	**13.7**	1.8	33.1	20.8	40.0	19.2	100	98
4	196.840	47.5	**10.5**	3.3	33.2	28.1	43.5	15.4	100	0
5	327.790	51.3	**14.0**	4.2	33.1	36.4	46.0	9.6	100	122
6	459.711	40.6	**16.4**	4.9	33.2	28.7	46.0	17.3	100	0

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.6.2 Test data for Below 30 MHz

-. Test Date : March 11, 2019

-. Resolution bandwidth : 200 Hz (from 9 kHz to 0.15 MHz), 9 kHz (from 0.15 MHz to 30 MHz)

-. Frequency range : 9 kHz ~ 30 MHz

-. Measurement distance : 3 m

-.Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBµV/m)	Limits (dBµV/m)	Margin (dB)
All emissions observed were 20dB below the limit and thus not reported.									

13.6.3 Test data for above 1 GHz

13.6.3.1 Test data for 802.11a WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : 93 %

-.Operating mode : Transmitting mode

Frequency (GHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel									
11 490.00	27.23	Peak	H	39.70	17.10	32.26	51.77	73.98	22.21
11 490.00	14.21	Average	H				38.75	53.98	15.23
11 490.00	27.11	Peak	V				51.65	73.98	22.33
11 490.00	14.56	Average	V				39.10	53.98	14.88
Middle Channel									
11 570.00	27.13	Peak	H	39.60	17.20	32.23	51.70	73.98	22.28
11 570.00	15.13	Average	H				39.70	53.98	14.28
11 570.00	26.11	Peak	V				50.68	73.98	23.30
11 570.00	14.47	Average	V				39.04	53.98	14.94
High Channel									
11 650.00	27.22	Peak	H	39.50	17.30	32.23	51.79	73.98	22.19
11 650.00	15.13	Average	H				39.70	53.98	14.28
11 650.00	28.13	Peak	V				52.70	73.98	21.28
11 650.00	14.67	Average	V				39.24	53.98	14.74

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.6.3.2 Test data for 802.11n (HT 20) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : 92 %

-.Operating mode : Transmitting mode

Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Low Channel									
11 490.00	27.13	Peak	H	39.70	17.10	32.26	51.67	73.98	22.31
11 490.00	14.15	Average	H				38.69	53.98	15.29
11 490.00	27.23	Peak	V				51.77	73.98	22.21
11 490.00	14.44	Average	V				38.98	53.98	15.00
Middle Channel									
11 570.00	26.54	Peak	H	39.60	17.20	32.23	51.11	73.98	22.87
11 570.00	14.54	Average	H				39.11	53.98	14.87
11 570.00	26.33	Peak	V				50.90	73.98	23.08
11 570.00	14.23	Average	V				38.80	53.98	15.18
High Channel									
11 650.00	26.77	Peak	H	39.50	17.30	32.23	51.34	73.98	22.64
11 650.00	14.54	Average	H				39.11	53.98	14.87
11 650.00	28.10	Peak	V				52.67	73.98	21.31
11 650.00	14.38	Average	V				38.95	53.98	15.03

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.6.3.3 Test data for 802.11n (HT 40) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : 86 %

-.Operating mode : Transmitting mode

Frequency (GHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel									
11 510.00	26.69	Peak	H	39.70	17.10	32.26	51.23	73.98	22.75
11 510.00	14.15	Average	H				38.69	53.98	15.29
11 510.00	26.74	Peak	V				51.28	73.98	22.70
11 510.00	14.66	Average	V				39.20	53.98	14.78
High Channel									
11 590.00	26.23	Peak	H	39.50	17.30	32.23	50.80	73.98	23.18
11 590.00	14.33	Average	H				38.90	53.98	15.08
11 590.00	26.80	Peak	V				51.37	73.98	22.61
11 590.00	14.36	Average	V				38.93	53.98	15.05

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.6.3.4 Test data for 802.11ac (HT 80) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : 75 %

-.Operating mode : Transmitting mode

Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Low Channel									
11 550.00	26.74	Peak	H	39.70	17.10	32.26	51.28	73.98	22.70
11 550.00	14.23	Average	H				38.77	53.98	15.21
11 550.00	26.23	Peak	V				50.77	73.98	23.21
11 550.00	14.33	Average	V				38.87	53.98	15.11

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

Tested by: Ha-Ram Lee / Assistant Manager

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13.7 Test data for Co-location(BT + WLAN 2.4 GHz + WLAN 5.8 GHz)

13.7.1 Test data for 30 MHz ~ 1 GHz

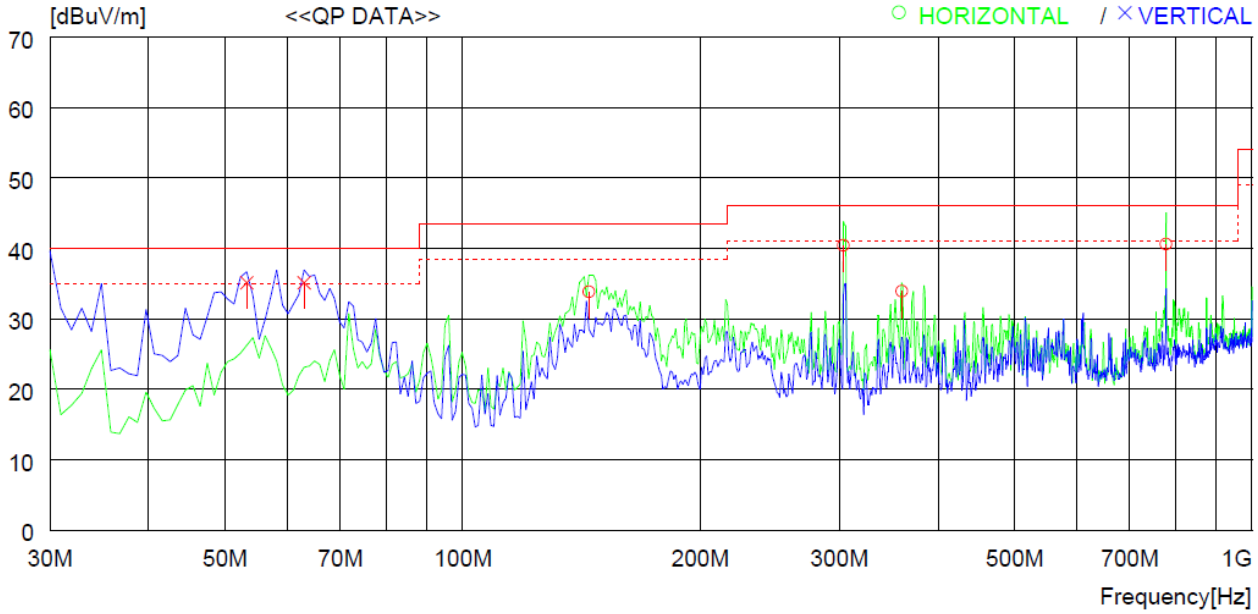
Humidity Level : 52 % R.H. Temperature: 24 ℃

Limits apply to : FCC CFR 47, PART 15, SUBPART C, SECTION 15.247 & SUBPART E, SECTION 15.407

Result : PASSED

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz) Date: June 04, 2019

Note : Co-location(BT + WLAN 2.4 GHz + WLAN 5.8 GHz) operating mode were tested



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	144.460	55.5	8.5	2.8	33.0	33.8	43.5	9.7	200	84
2	303.540	55.9	13.5	4.0	33.0	40.4	46.0	5.6	100	168
3	359.800	47.5	15.0	4.4	33.0	33.9	46.0	12.1	100	340
4	777.863	46.2	21.0	6.5	33.1	40.6	46.0	5.4	100	84
----- Vertical ------										
5	53.280	52.6	13.8	1.8	33.1	35.1	40.0	4.9	100	359
6	62.980	54.3	12.0	1.9	33.1	35.1	40.0	4.9	100	359

Tested by: Ha-Ram Lee / Assistant Manager

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

13.7.2 Test data for Below 30 MHz

-. Test Date : June 04, 2019

-. Resolution bandwidth : 200 Hz (from 9 kHz to 0.15 MHz), 9 kHz (from 0.15 MHz to 30 MHz)

-. Frequency range : 9 kHz ~ 30 MHz

-. Measurement distance : 3 m

-.Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBµV/m)	Limits (dBµV/m)	Margin (dB)
Emissions observed were 20dB below the limit and thus not reported									

Tested by: Ha-Ram Lee / Assistant Manager

13.7.3 Test data for above 1 GHz

-. Test Date : June 04, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 40 GHz

-. Measurement distance : 3 m

-. Duty Cycle : 93 %

-.Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBµV/m)	Limits (dBµV/m)	Margin (dB)
Emissions observed were 20dB below the limit and thus not reported									

Tested by: Ha-Ram Lee / Assistant Manager

14. RADIATED RESTRICTED BAND EDGE MEASUREMENTS

14.1 Operating environment

Temperature : 24 ℃

Relative humidity : 52 % R.H.

14.2 Test set-up

The radiated emissions measurements were performed on the 3 m semi anechoic chamber. The EUT was placed on turntable approximately 1.5 m above the ground plane.

The frequency spectrum from 30 MHz to 26.5 GHz was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.

14.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.(Interval)
☐ -	ESCI	Rohde & Schwarz	EMI Test Receiver	101012	Oct. 22, 2018 (1Y)
■ -	ESR	Rohde & Schwarz	EMI Test Receiver	101470	Oct. 22, 2018 (1Y)
☐ -	FSP	Rohde & Schwarz	Spectrum Analyzer	100017	Aug. 23, 2018 (1Y)
■ -	310N	Sonoma Instrument	AMPLIFIER	312544	Mar. 18, 2019 (1Y)
■ -	FSV30	Rohde & Schwarz	Signal Analyzer	101200	Aug. 23, 2018 (1Y)
■ -	BBV 9718 B	Schwarzbeck	Pre-Amplifier	009	Mar. 20, 2019 (1Y)
■ -	MA-4000XPET	Innco Systems GmbH	Antenna Master	MA4000/509	N/A
☐ -	HD100	HD GmbH	Position Controller	N/A	N/A
■ -	DT3000-3t	Innco Systems GmbH	Turn Table	N/A	N/A
☐ -	FMZB 1513	Schwarzbeck	LOOP ANTENNA	1513-235	May. 13, 2018 (2Y)
■ -	VULB9163	Schwarzbeck	TRILOG Broadband Antenna	9163-419	Aug. 09, 2018 (2Y)
■ -	BBHA9120D	Schwarzbeck	Horn Antenna	BBHA9120D295	Aug. 16, 2017 (2Y)
■ -	BBHA9170	Schwarzbeck	Horn Antenna	BBHA91700179	Jul. 28, 2017 (2Y)
■ -	SCU40A	Rohde & Schwarz	Pre-Amplifier	100436	Mar. 11, 2019 (1Y)

All test equipment used is calibrated on a regular basis.

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14.4 Test data for Restricted Band (5.2 GHz)

14.4.1 Test data for 802.11a WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Detector : Peak Mode(Peak), Average Mode(RMS)

-. Measurement distance : 3 m

-. Duty Cycle : 93 %

-. Result : Pass

Frequency (GHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel									
5 150.00	40.36	Peak	H	32.10	13.80	35.19	51.07	74.00	22.93
5 150.00	28.47	Average	H				39.18	54.00	14.82
5 134.09	36.65	Peak	V				47.36	74.00	26.64
5 133.44	25.12	Average	V				35.83	54.00	18.17

Tabulated test data for Restricted Band

Remark - "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

Tested by: Ha-Ram Lee / Assistant Manager

14.4.2 Test data for 802.11n (HT 20) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Detector : Peak Mode(Peak), Average Mode(RMS)

-. Measurement distance : 3 m

-. Duty Cycle : 92 %

-. Result : Pass

Frequency (GHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel									
5 135.39	40.29	Peak	H	32.10	13.80	35.19	51.00	74.00	23.00
5 133.44	28.67	Average	H				39.38	54.00	14.62
5 147.08	37.73	Peak	V				48.44	74.00	25.56
5 148.38	24.86	Average	V				35.57	54.00	18.43

Tabulated test data for Restricted Band

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Emission Level (dBμV/m)

Tested by: Ha-Ram Lee / Assistant Manager

14.4.3 Test data for 802.11n (HT 40) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Detector : Peak Mode(Peak), Average Mode(RMS)

-. Measurement distance : 3 m

-. Duty Cycle : 86 %

-. Result : Pass

Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Low Channel									
5 149.68	40.08	Peak	H	32.10	13.80	35.19	50.79	74.00	23.21
5 149.68	28.54	Average	H				39.25	54.00	14.75
5 149.68	39.07	Peak	V				49.78	74.00	24.22
5 149.03	25.49	Average	V				36.20	54.00	17.80

Tabulated test data for Restricted Band

Remark - "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

Tested by: Ha-Ram Lee / Assistant Manager

14.4.4 Test data for 802.11ac (HT 80) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Detector : Peak Mode(Peak), Average Mode(RMS)

-. Measurement distance : 3 m

-. Duty Cycle : 75 %

-. Result : Pass

Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Low Channel									
5 141.23	38.31	Peak	H	32.10	13.80	35.19	49.02	74.00	24.98
5 141.88	24.68	Average	H				35.39	54.00	18.61
5 145.78	36.19	Peak	V				46.90	74.00	27.10
5 146.43	23.47	Average	V				34.18	54.00	19.82

Tabulated test data for Restricted Band

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

Tested by: Ha-Ram Lee / Assistant Manager

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14.5 Test data for Restricted Band (5.8 GHz)

14.5.1 Test data for 802.11a WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Detector : Peak Mode(Peak), Average Mode(RMS)

-. Measurement distance : 3 m

-. Duty Cycle : 93 %

-. Result : Pass

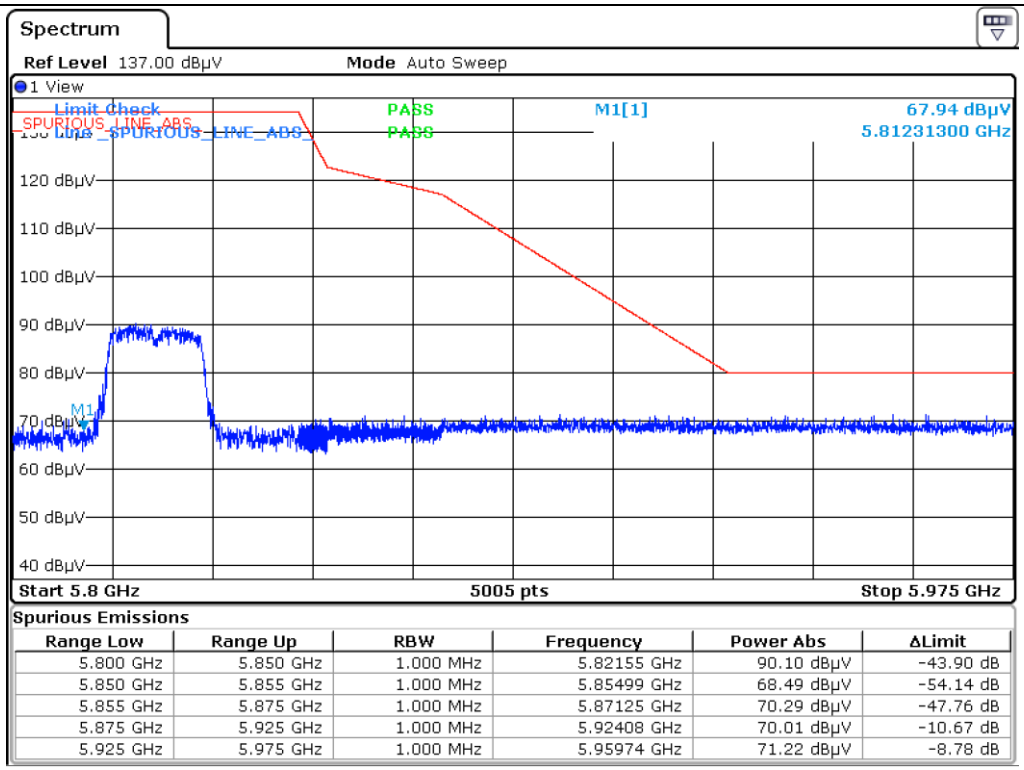
Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
High Channel									
5 850.00	41.23	Peak	H	32.80	14.30	34.85	53.48	74.00	20.52
5 850.00	29.43	Average	H				41.68	54.00	12.32
5 850.00	38.46	Peak	V				50.71	74.00	23.29
5 850.00	26.15	Average	V				38.40	54.00	15.60

Tabulated test data for Restricted Band

Remark - "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

Tested by: Ha-Ram Lee / Assistant Manager



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.800 GHz	5.850 GHz	1.000 MHz	5.82155 GHz	90.10 dBµV	-43.90 dB
5.850 GHz	5.855 GHz	1.000 MHz	5.85499 GHz	68.49 dBµV	-54.14 dB
5.855 GHz	5.875 GHz	1.000 MHz	5.87125 GHz	70.29 dBµV	-47.76 dB
5.875 GHz	5.925 GHz	1.000 MHz	5.92408 GHz	70.01 dBµV	-10.67 dB
5.925 GHz	5.975 GHz	1.000 MHz	5.95974 GHz	71.22 dBµV	-8.78 dB

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14.5.2 Test data for 802.11n (HT 20) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Detector : Peak Mode(Peak), Average Mode(RMS)

-. Measurement distance : 3 m

-. Duty Cycle : 92 %

-. Result : Pass

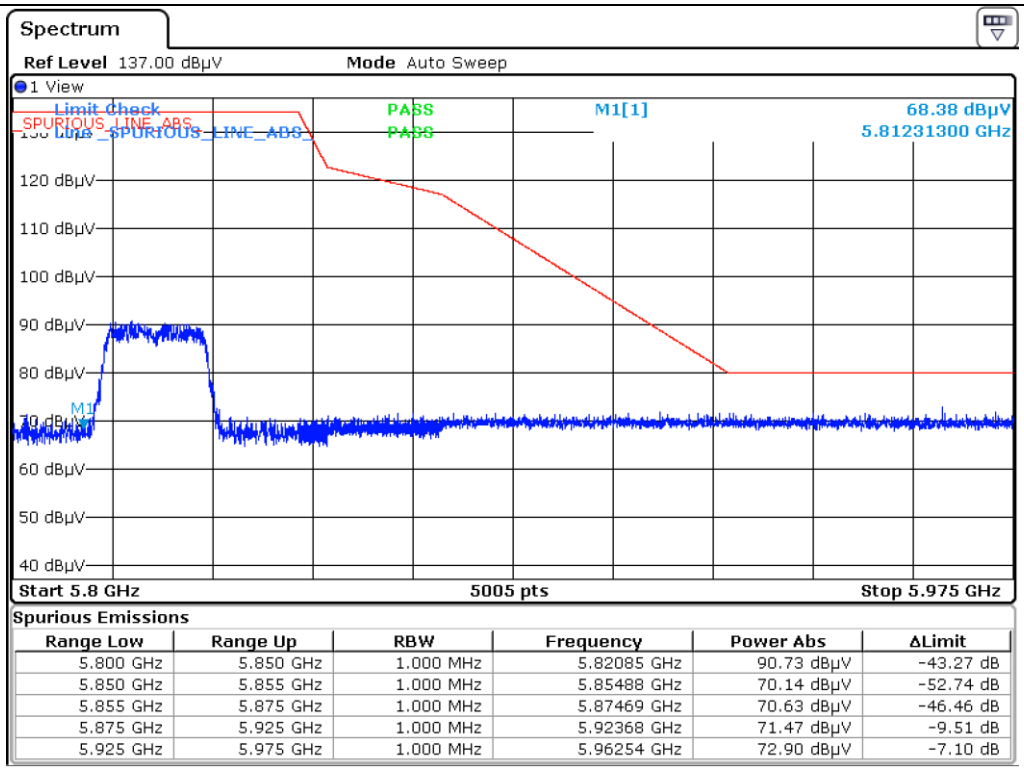
Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
High Channel									
5 850.00	42.23	Peak	H	32.80	14.30	34.85	54.48	74.00	19.52
5 850.00	30.25	Average	H				42.50	54.00	11.50
5 850.00	39.48	Peak	V				51.73	74.00	22.27
5 850.00	25.47	Average	V				37.72	54.00	16.28

Tabulated test data for Restricted Band

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

Tested by: Ha-Ram Lee / Assistant Manager



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.800 GHz	5.850 GHz	1.000 MHz	5.82085 GHz	90.73 dBµV	-43.27 dB
5.850 GHz	5.855 GHz	1.000 MHz	5.85488 GHz	70.14 dBµV	-52.74 dB
5.855 GHz	5.875 GHz	1.000 MHz	5.87469 GHz	70.63 dBµV	-46.46 dB
5.875 GHz	5.925 GHz	1.000 MHz	5.92368 GHz	71.47 dBµV	-9.51 dB
5.925 GHz	5.975 GHz	1.000 MHz	5.96254 GHz	72.90 dBµV	-7.10 dB

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14.5.3 Test data for 802.11n (HT 40) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Detector : Peak Mode(Peak), Average Mode(RMS)

-. Measurement distance : 3 m

-. Duty Cycle : 86 %

-. Result : Pass

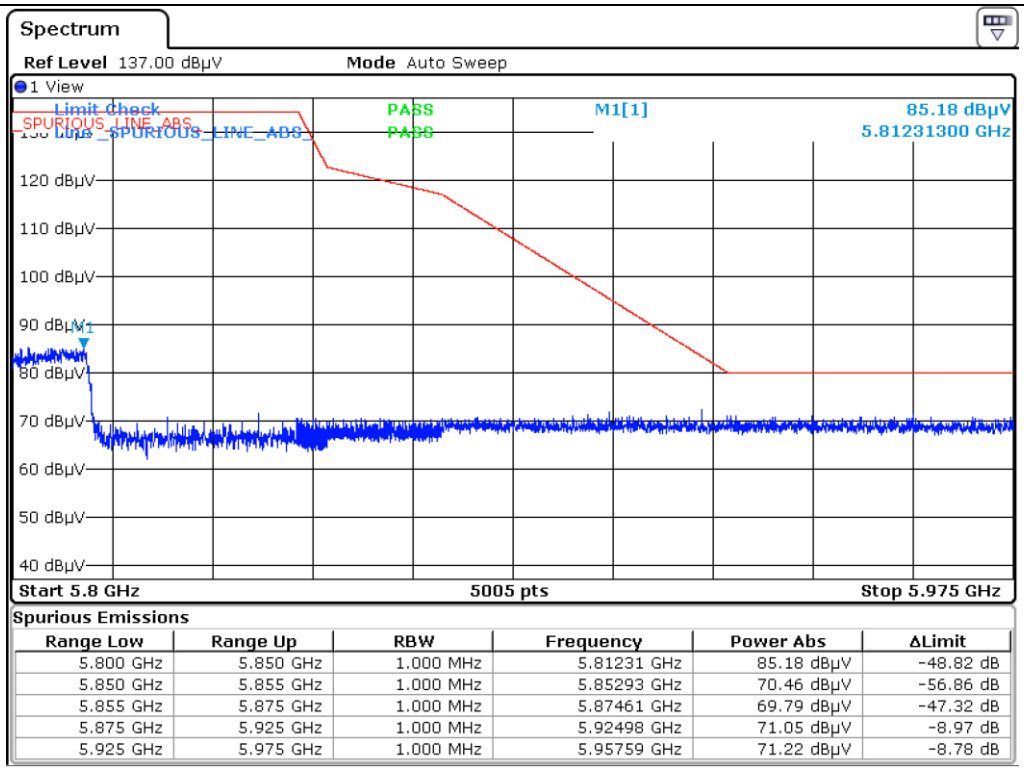
Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
High Channel									
5 850.00	40.26	Peak	H	32.80	14.30	34.85	52.51	74.00	21.49
5 850.00	30.33	Average	H				42.58	54.00	11.42
5 850.00	39.12	Peak	V				51.37	74.00	22.63
5 850.00	27.46	Average	V				39.71	54.00	14.29

Tabulated test data for Restricted Band

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

Tested by: Ha-Ram Lee / Assistant Manager



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.800 GHz	5.850 GHz	1.000 MHz	5.81231 GHz	85.18 dBµV	-48.82 dB
5.850 GHz	5.855 GHz	1.000 MHz	5.85293 GHz	70.46 dBµV	-56.86 dB
5.855 GHz	5.875 GHz	1.000 MHz	5.87461 GHz	69.79 dBµV	-47.32 dB
5.875 GHz	5.925 GHz	1.000 MHz	5.92498 GHz	71.05 dBµV	-8.97 dB
5.925 GHz	5.975 GHz	1.000 MHz	5.95759 GHz	71.22 dBµV	-8.78 dB

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14.5.4 Test data for 802.11ac (HT 80) WLAN Mode

-. Test Date : March 11, 2019

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Detector : Peak Mode(Peak), Average Mode(RMS)

-. Measurement distance : 3 m

-. Duty Cycle : 75 %

-. Result : Pass

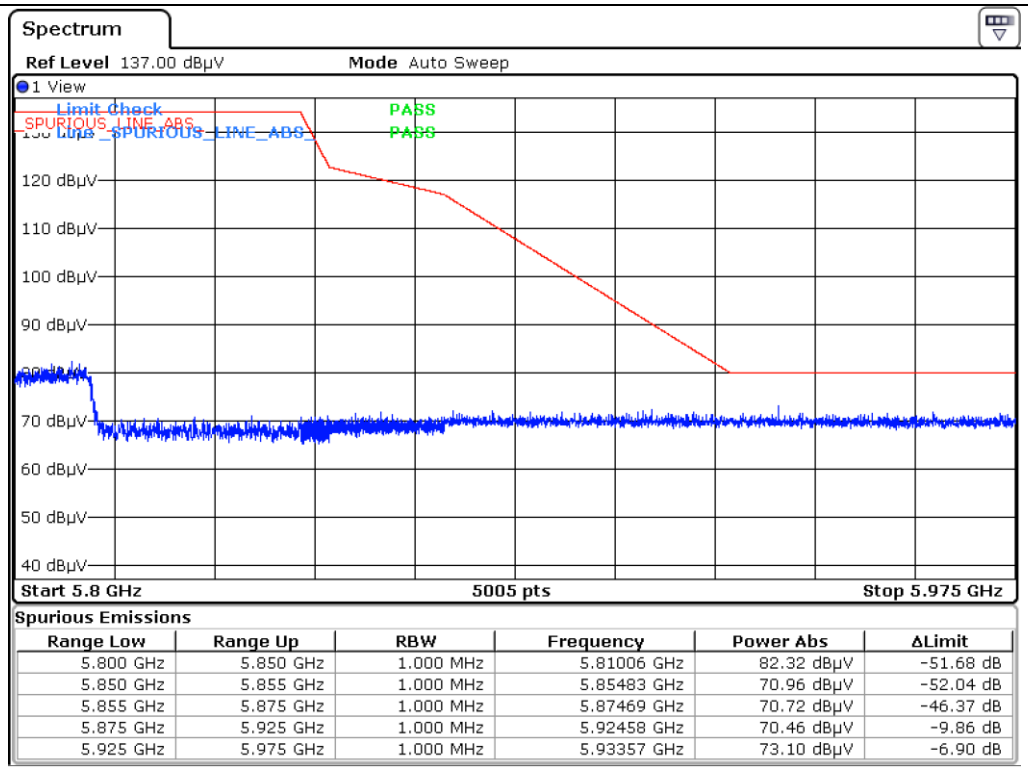
Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
High Channel									
5850.00	40.33	Peak	H	32.80	14.30	34.85	52.58	74.00	21.42
5850.00	28.79	Average	H				41.04	54.00	12.96
5850.00	39.26	Peak	V				51.51	74.00	22.49
5850.00	28.44	Average	V				40.69	54.00	13.31

Tabulated test data for Restricted Band

Remark - “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Emission Level (dBµV/m)

Tested by: Ha-Ram Lee / Assistant Manager



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.800 GHz	5.850 GHz	1.000 MHz	5.81006 GHz	82.32 dBµV	-51.68 dB
5.850 GHz	5.855 GHz	1.000 MHz	5.85483 GHz	70.96 dBµV	-52.04 dB
5.855 GHz	5.875 GHz	1.000 MHz	5.87469 GHz	70.72 dBµV	-46.37 dB
5.875 GHz	5.925 GHz	1.000 MHz	5.92458 GHz	70.46 dBµV	-9.86 dB
5.925 GHz	5.975 GHz	1.000 MHz	5.93357 GHz	73.10 dBµV	-6.90 dB

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