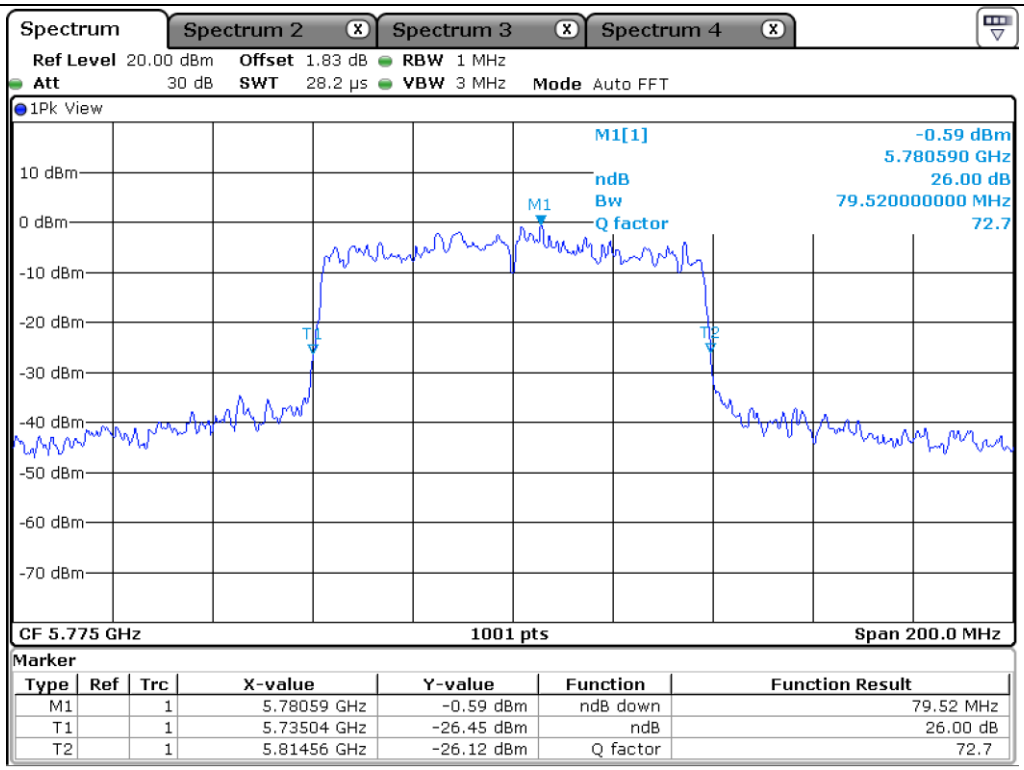


Middle Channel (5 775 MHz)

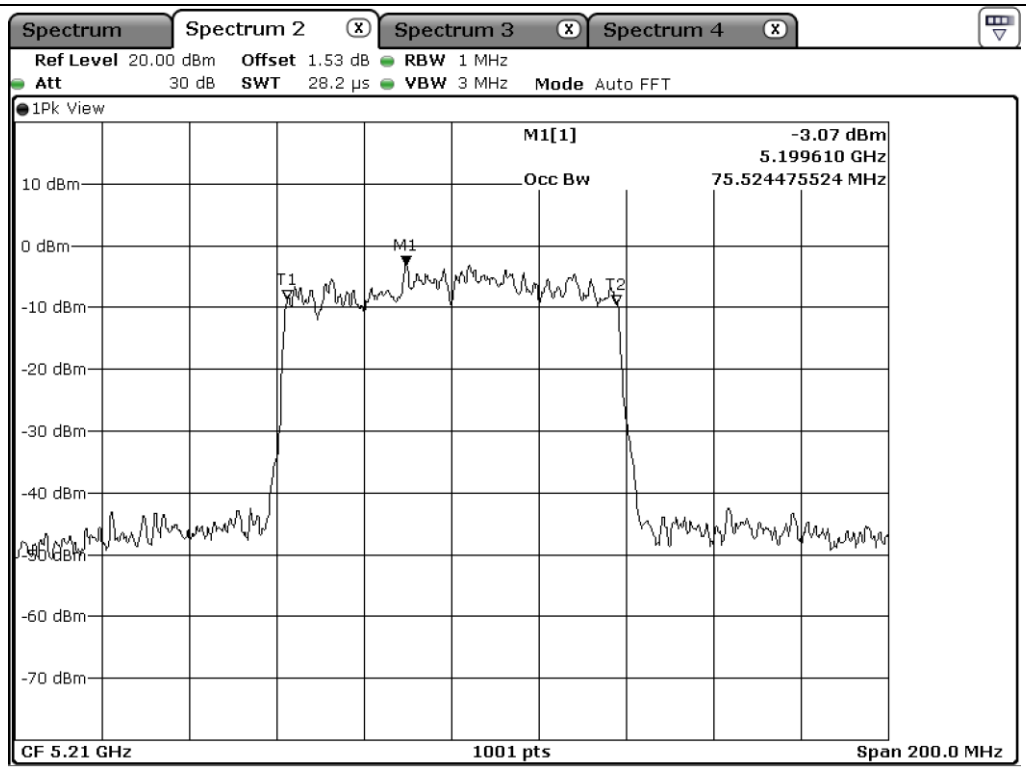
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

7.9.2.2 99 % OCCUPIED BANDWIDTH

-. Test Result : Pass

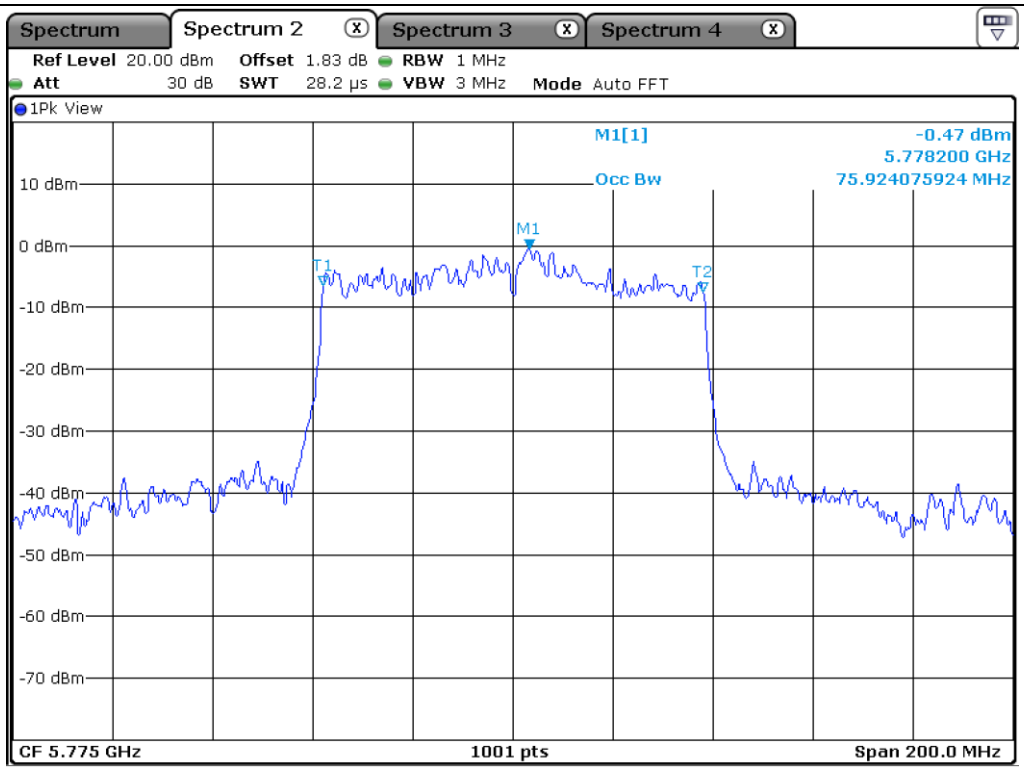
Frequency Range (MHz)	Channel	Frequency (MHz)	99 % OCCUPIED BANDWIDTH (MHz)
5 150 ~ 5 250	Middle	5 210.00	75.52
5 725 ~ 5 850	Middle	5 775.00	75.92

Remark: See next page for measurement data.



Middle Channel (5 210 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)



Middle Channel (5 775 MHz)

8. 6 dB BANDWIDTH

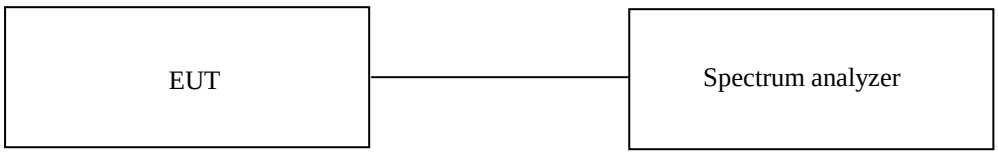
8.1 Operating environment

Temperature : 23 °C

Relative humidity : 45 % R.H.

8.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz, and peak detection was used. The 6 dB bandwidth is defined as the total spectrum over which the power is higher than the peak power minus 6 dB.



8.3 Test Date

January 07, 2021 ~ January 28, 2021

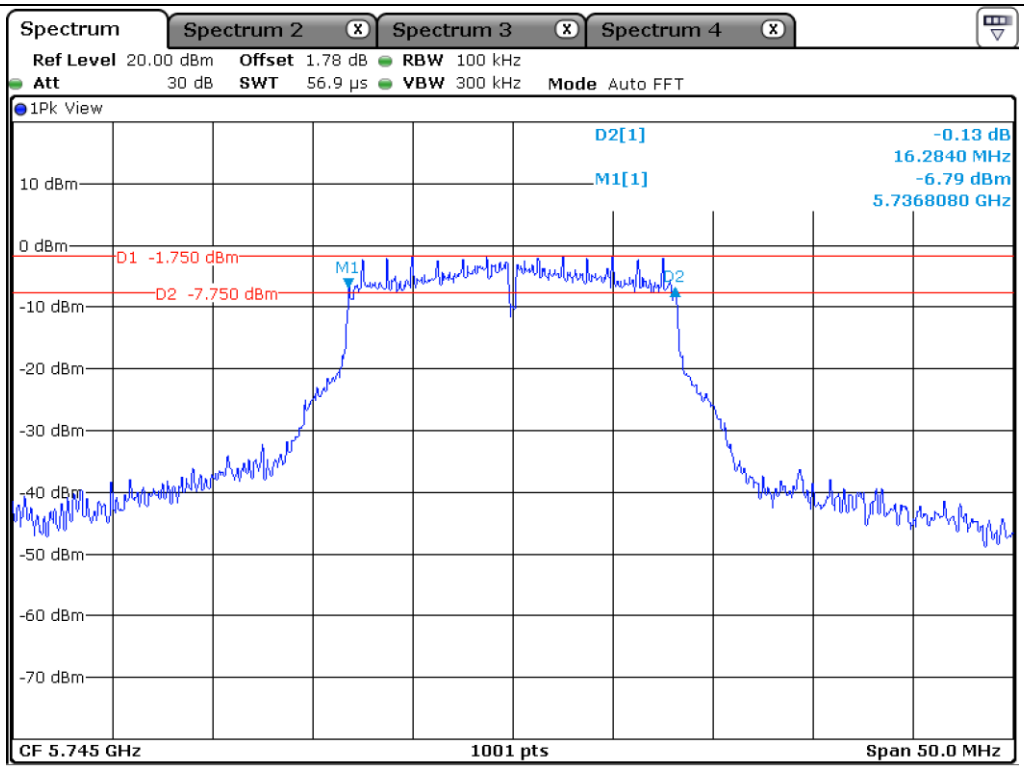
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

8.4 Test data for 802.11a RLAN Mode

8.4.1 Test data for Antenna 0

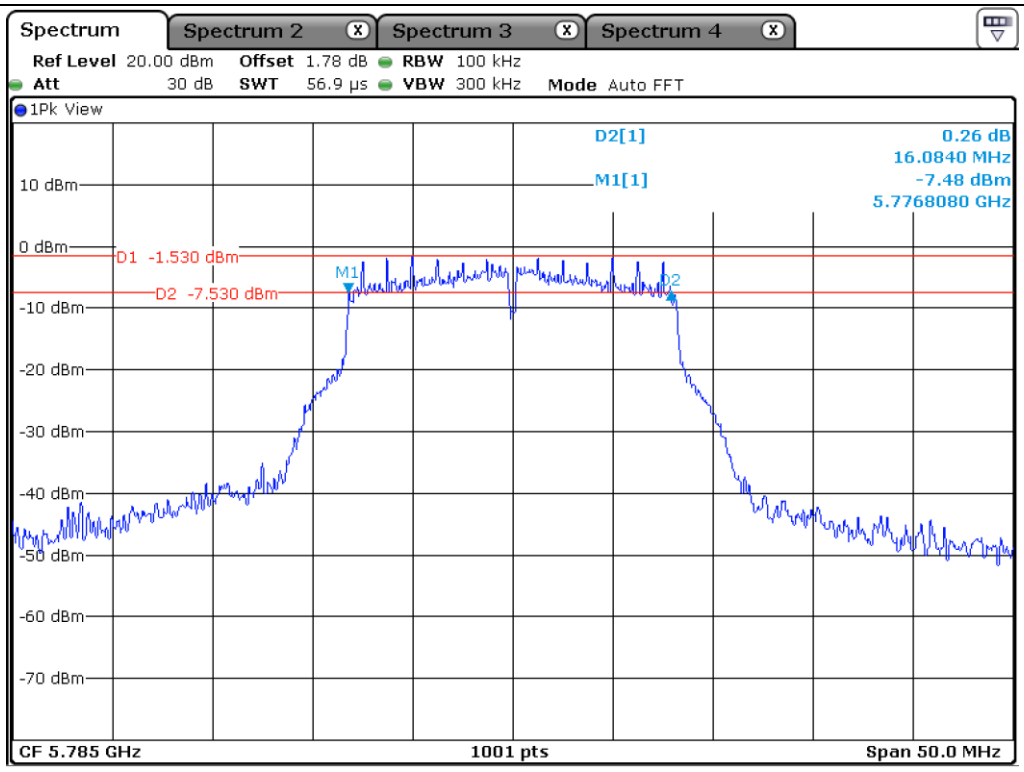
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	16.28
	Middle	5 785.00	16.08
	High	5 825.00	16.28

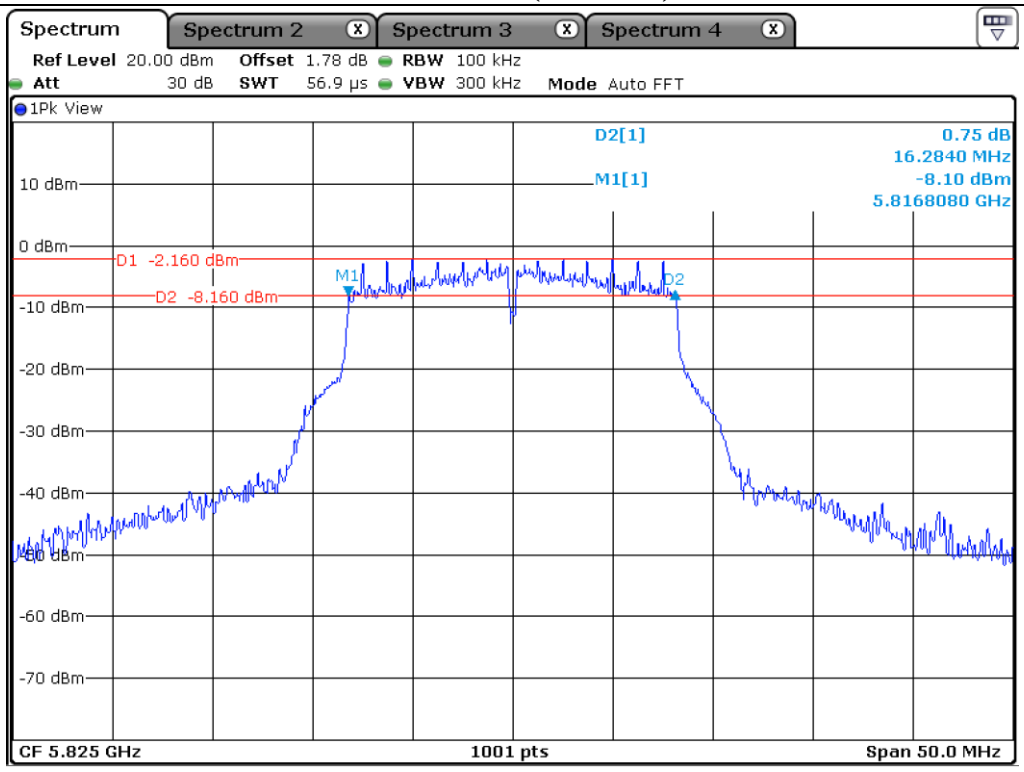


Low Channel (5 745 MHz)

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



Middle Channel (5 785 MHz)



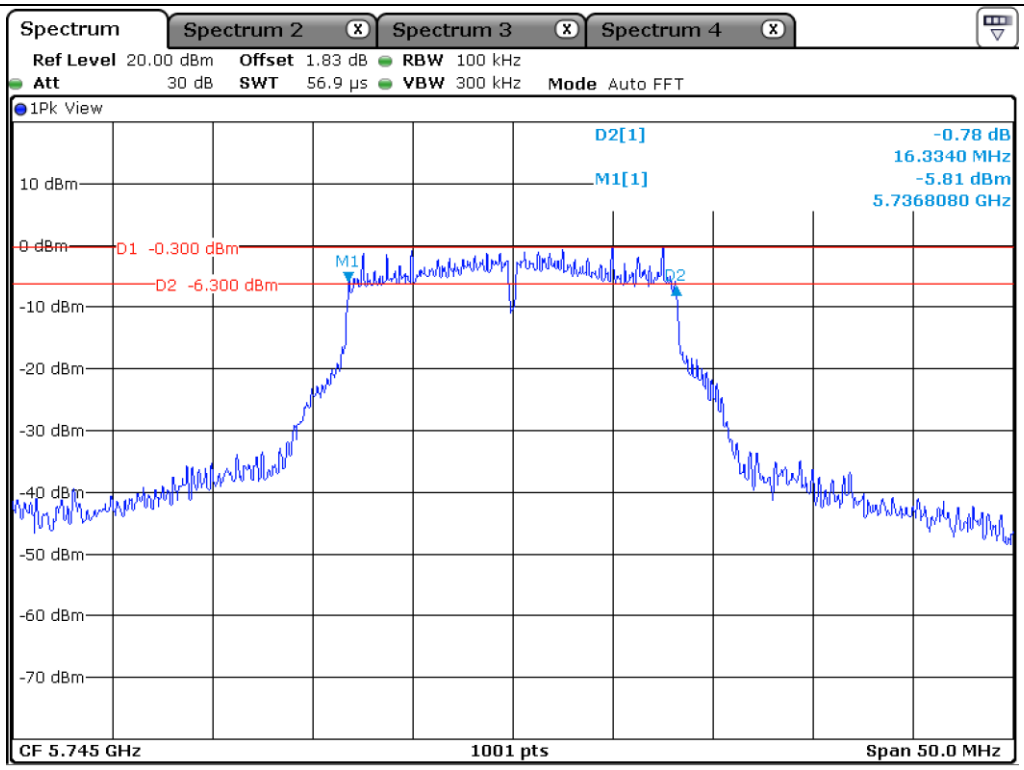
High Channel (5 825 MHz)

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

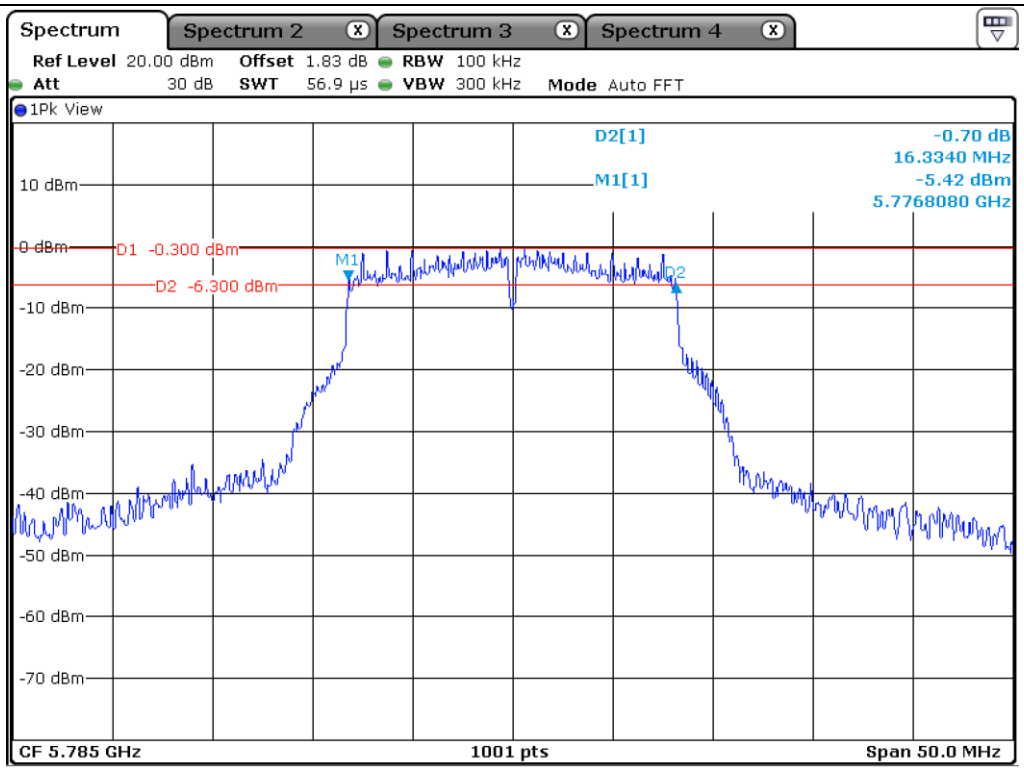
8.4.2 Test data for Antenna 1

-. Test Result : Pass

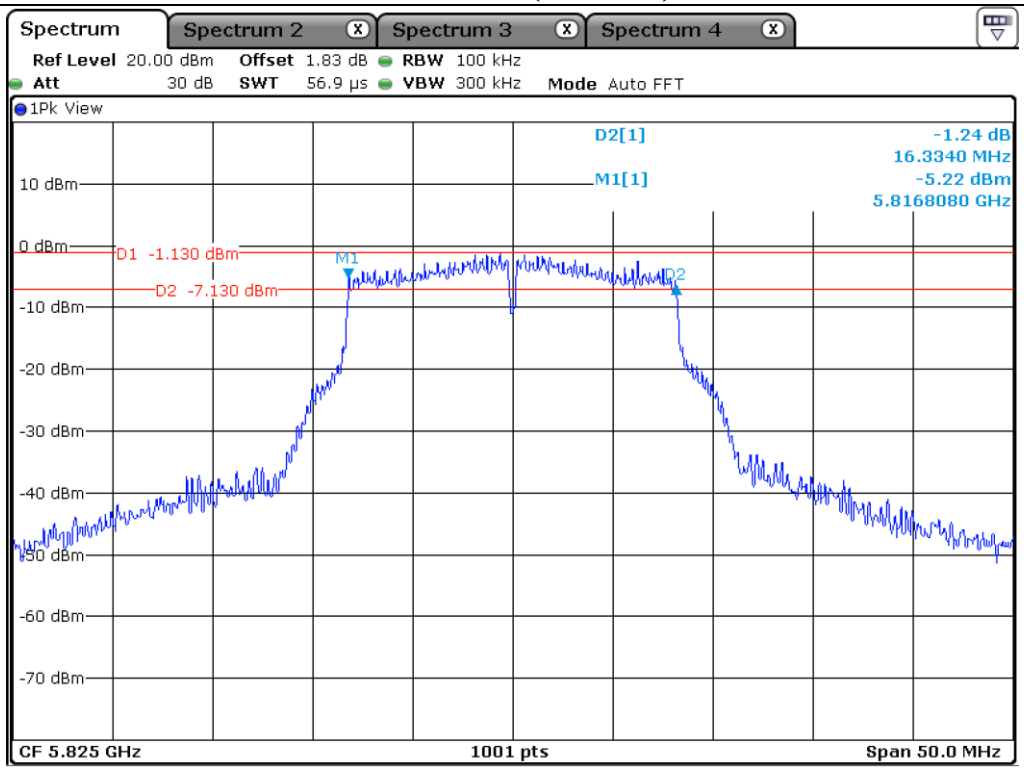
Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	16.33
	Middle	5 785.00	16.33
	High	5 825.00	16.33



Low Channel (5 745 MHz)



Middle Channel (5 785 MHz)



High Channel (5 825 MHz)

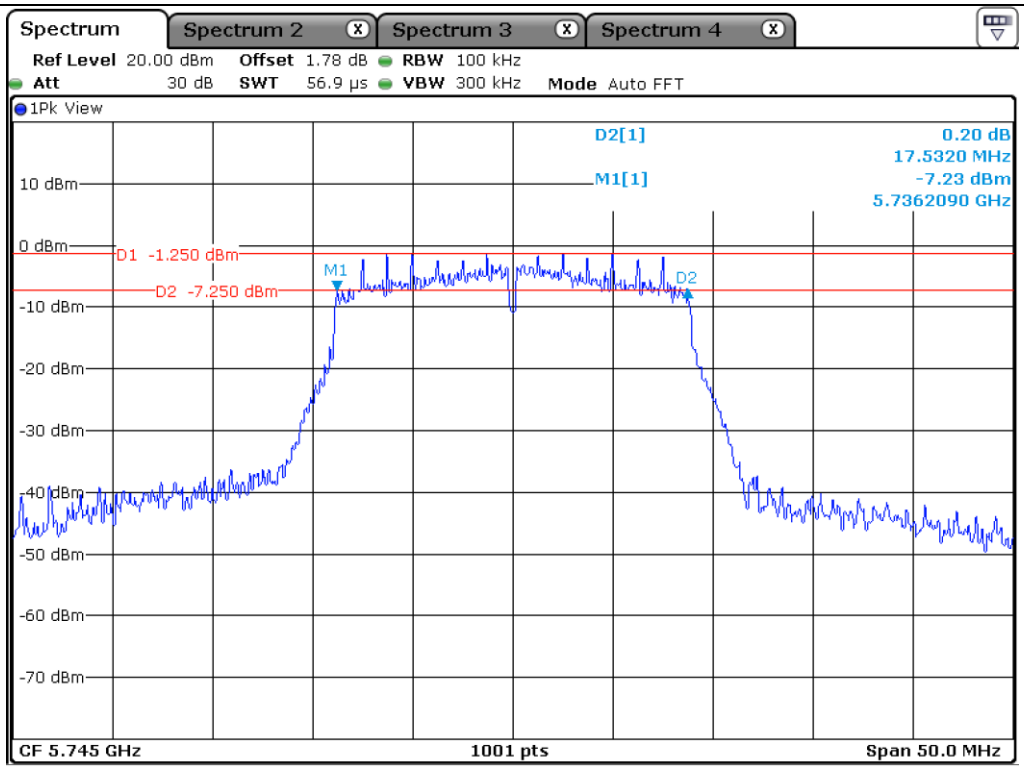
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

8.5 Test data for 802.11n_HT20 RLAN Mode

8.5.1 Test data for Antenna 0

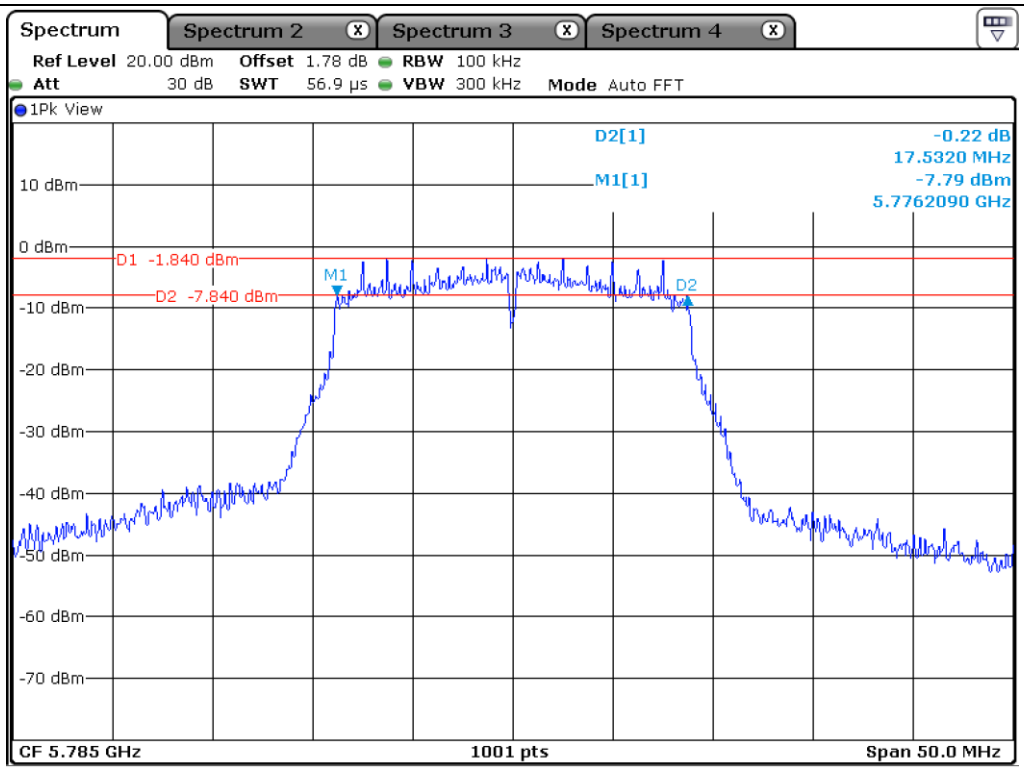
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.53
	Middle	5 785.00	17.53
	High	5 825.00	17.53

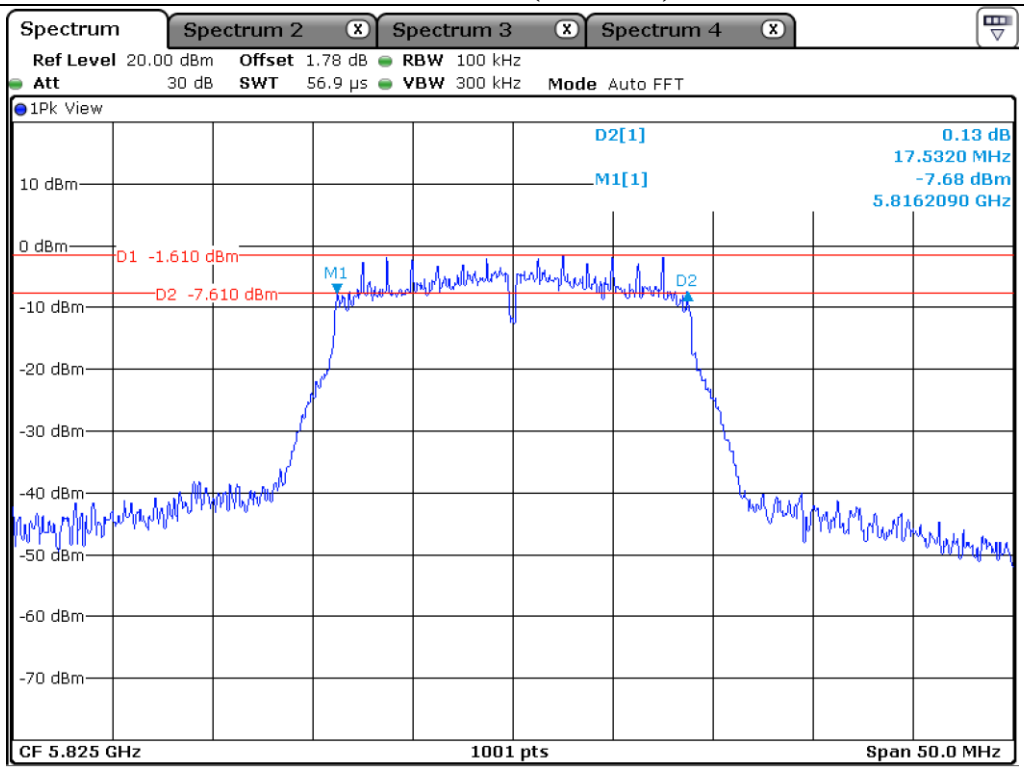


Low Channel (5 745 MHz)

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



Middle Channel (5 785 MHz)



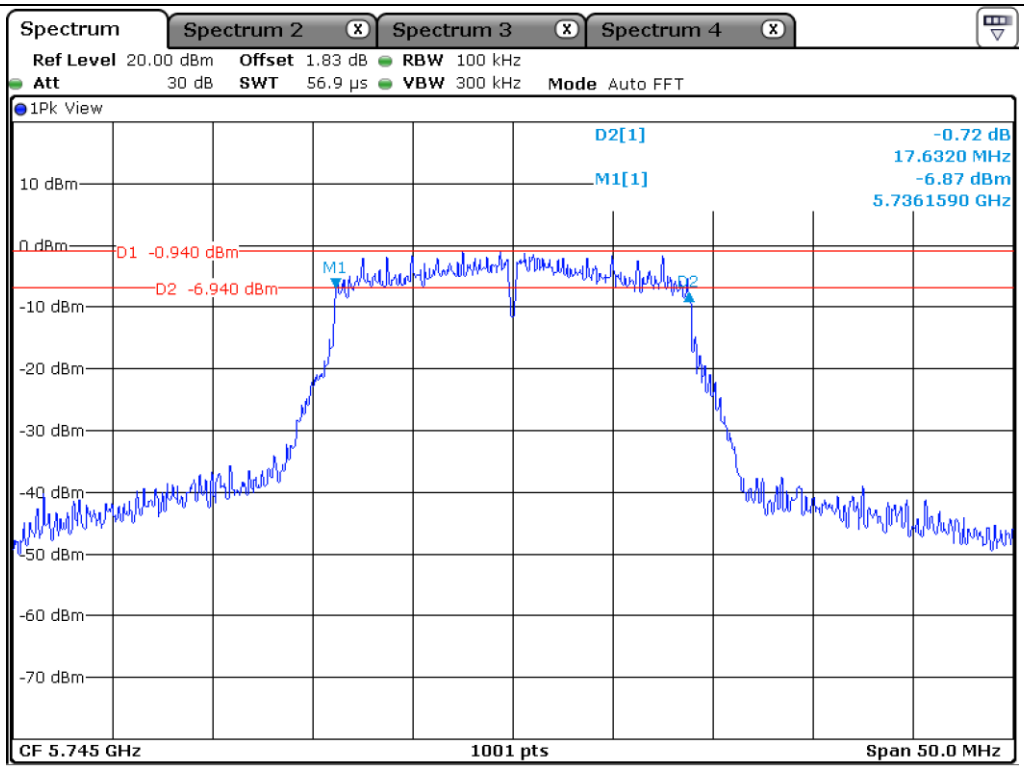
High Channel (5 825 MHz)

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

8.5.2 Test data for Antenna 1

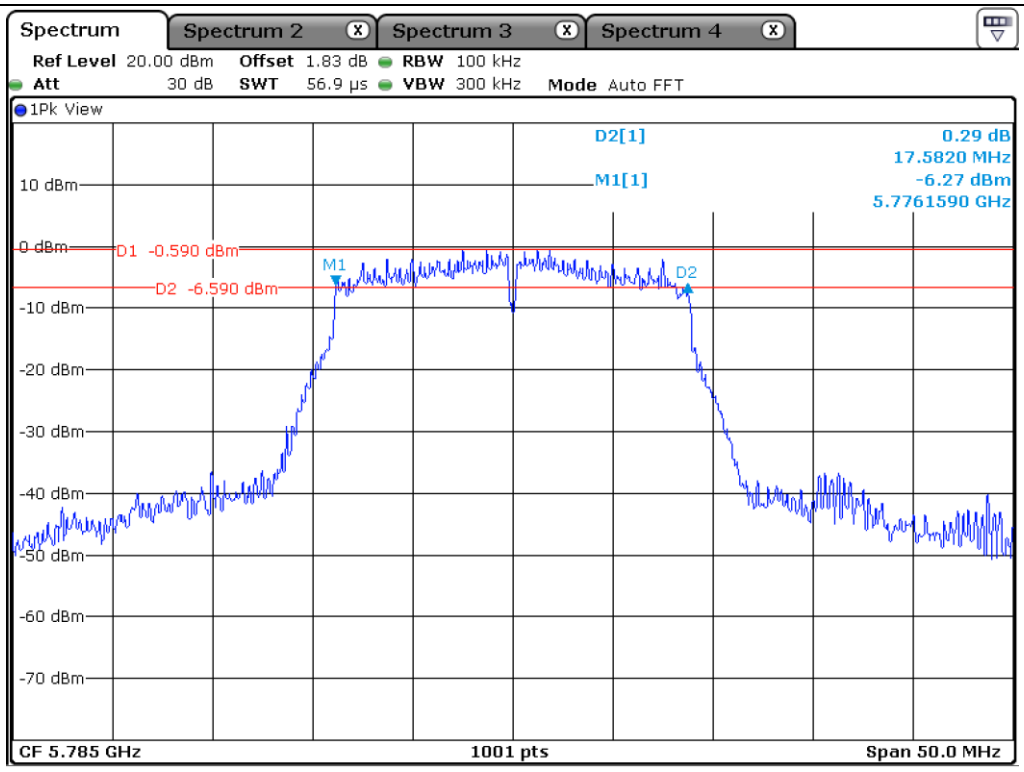
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.63
	Middle	5 785.00	17.58
	High	5 825.00	17.58

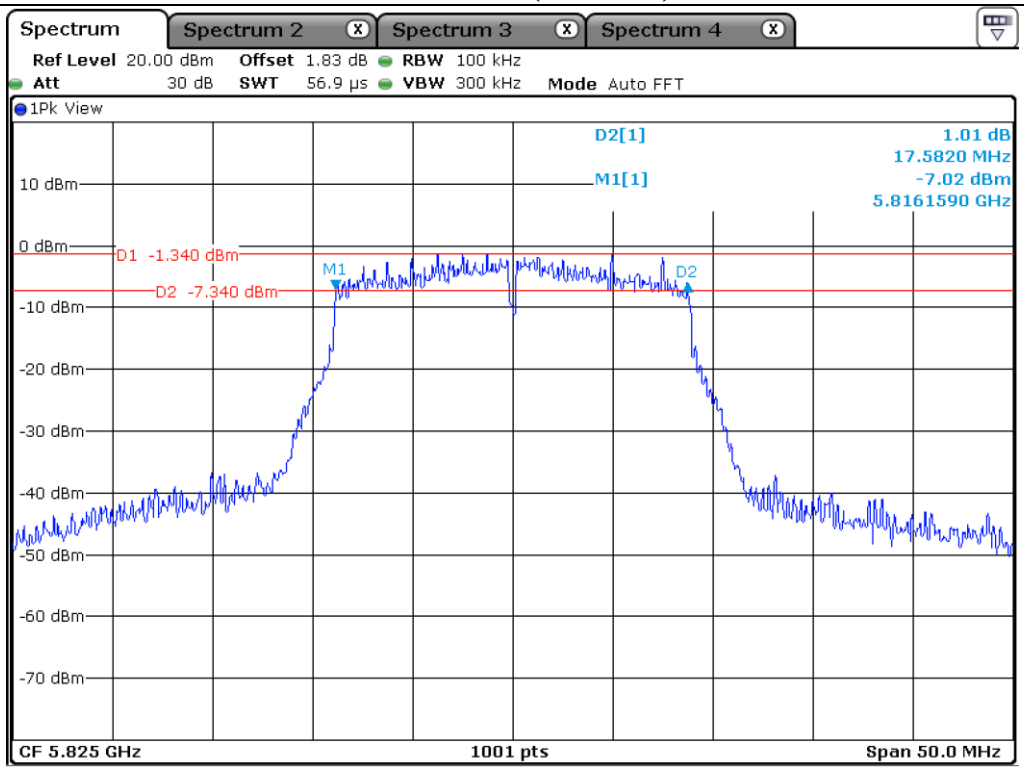


Low Channel (5 745 MHz)

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



Middle Channel (5 785 MHz)



High Channel (5 825 MHz)

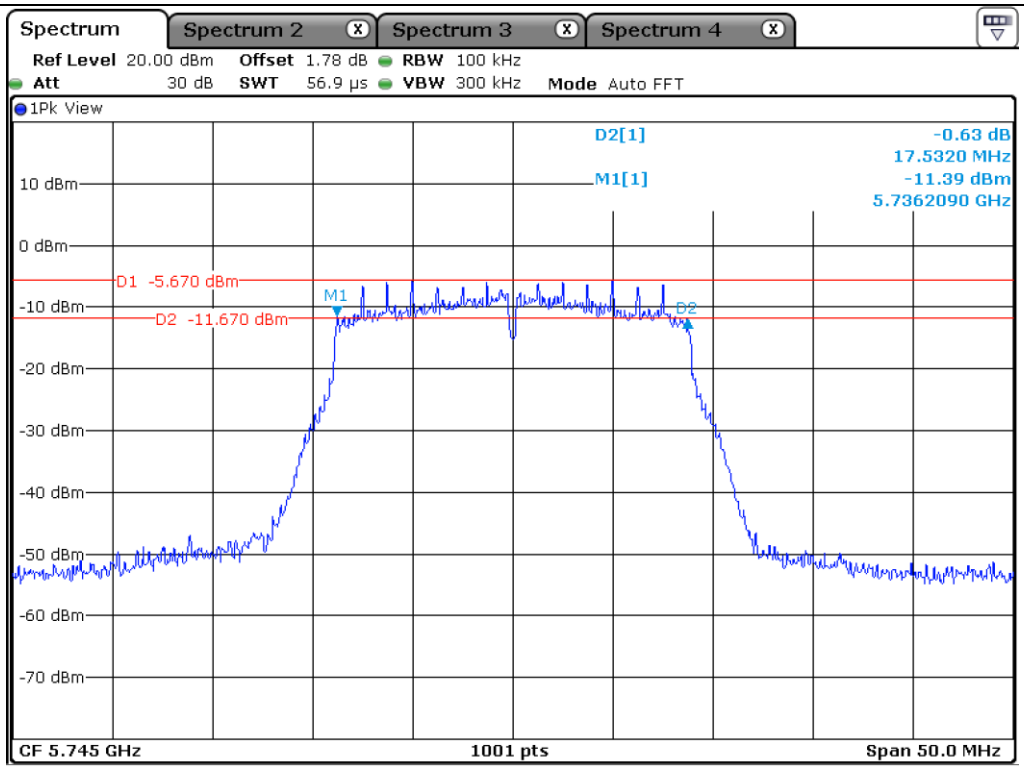
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

8.6 Test data for 802.11ac_VHT20 RLAN Mode

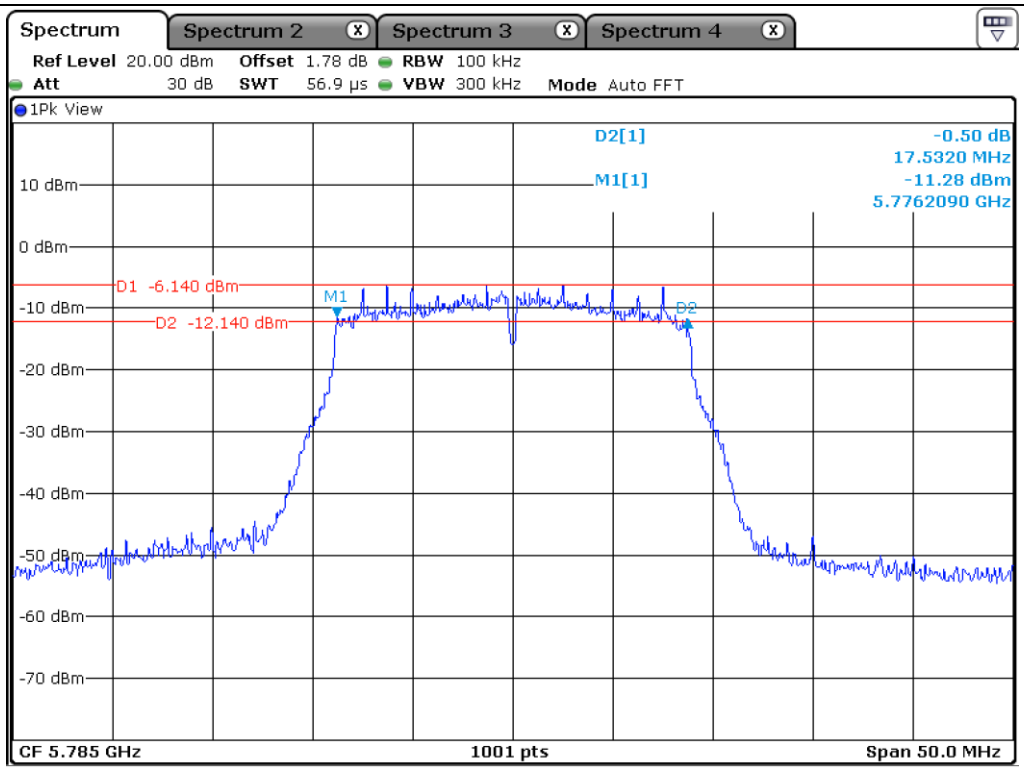
8.6.1 Test data for Antenna 0

-. Test Result : Pass

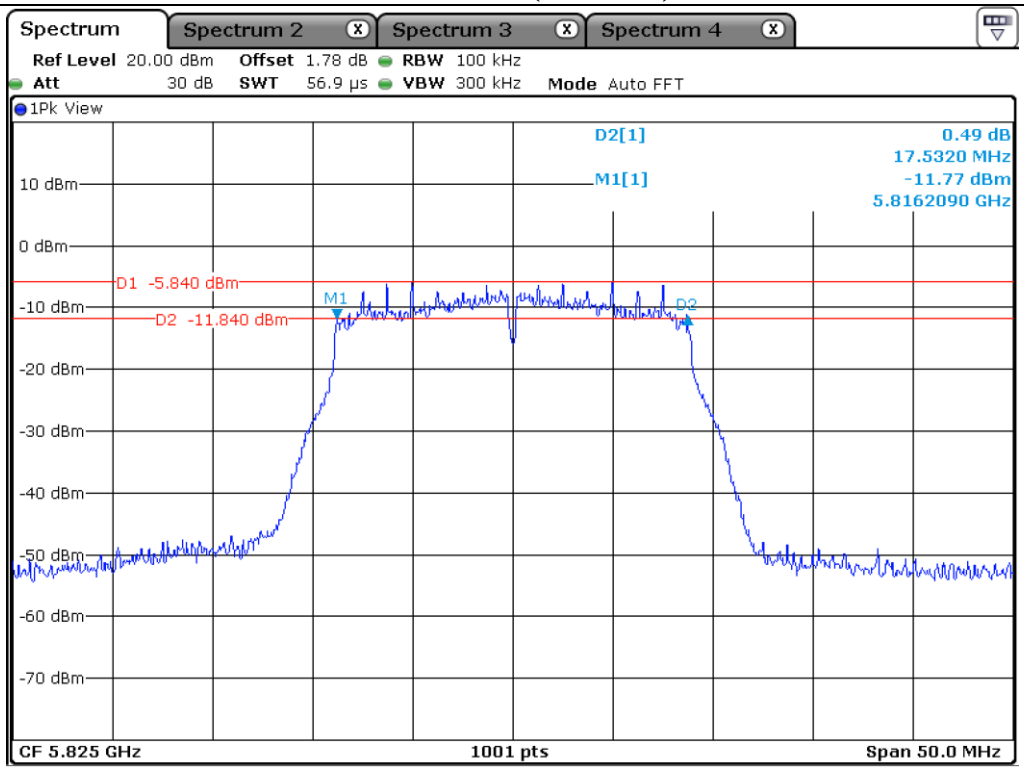
Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.53
	Middle	5 785.00	17.53
	High	5 825.00	17.53



Low Channel (5 745 MHz)



Middle Channel (5 785 MHz)

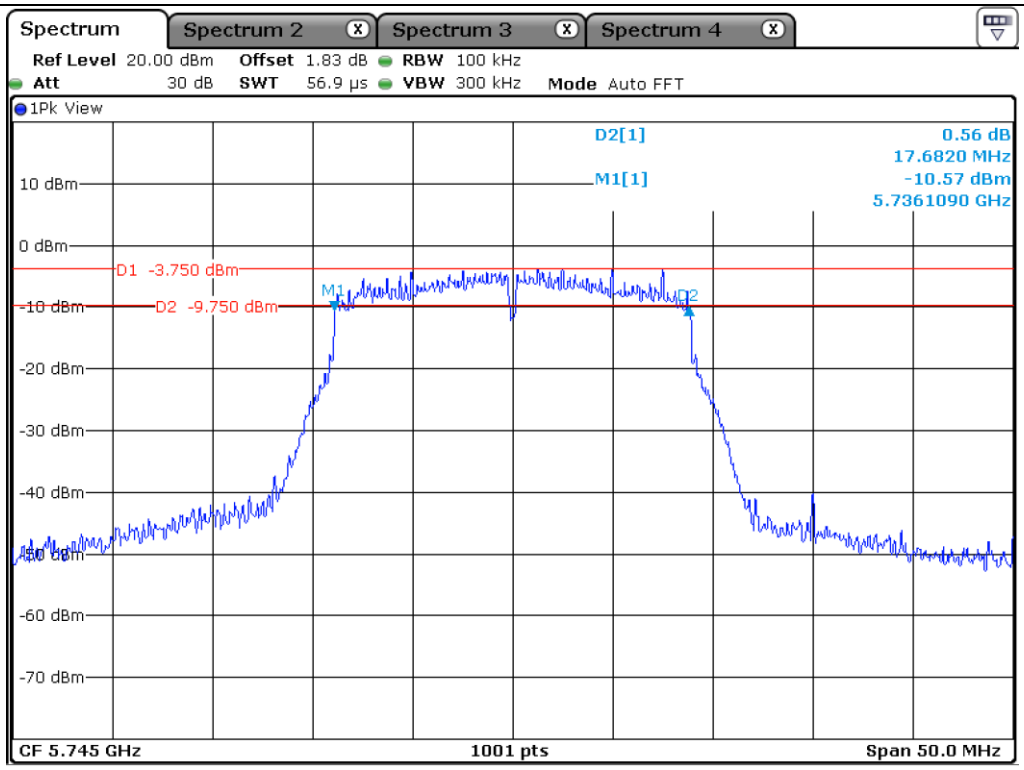


High Channel (5 825 MHz)

8.6.2 Test data for Antenna 1

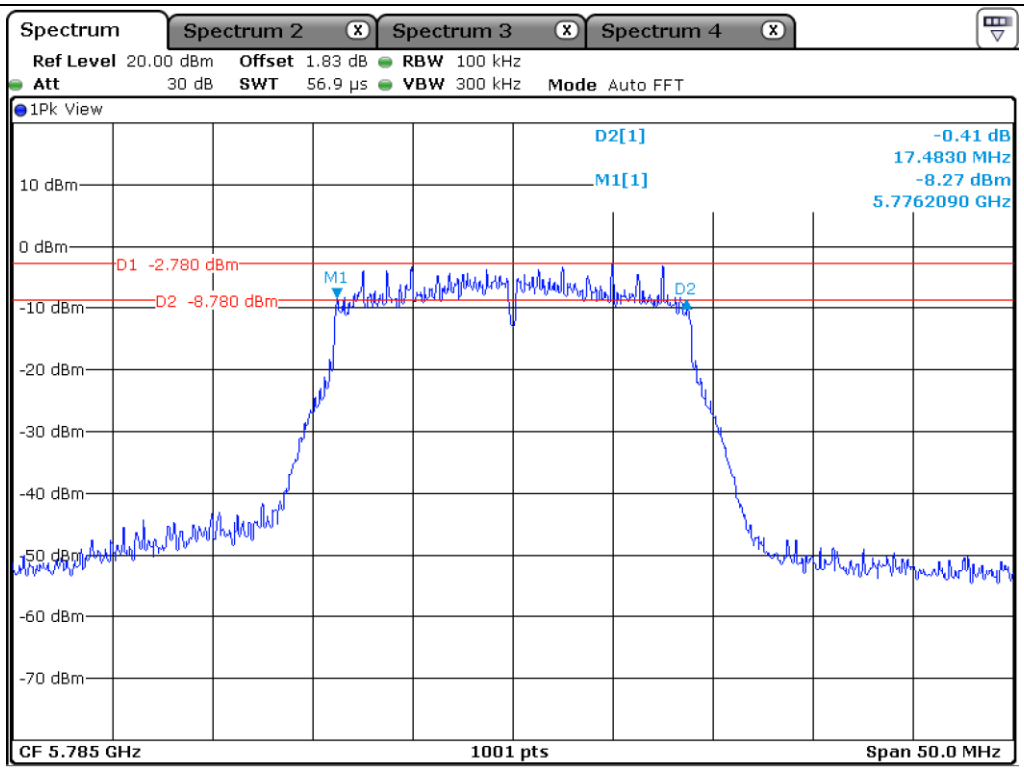
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 745.00	17.68
	Middle	5 785.00	17.48
	High	5 825.00	17.58

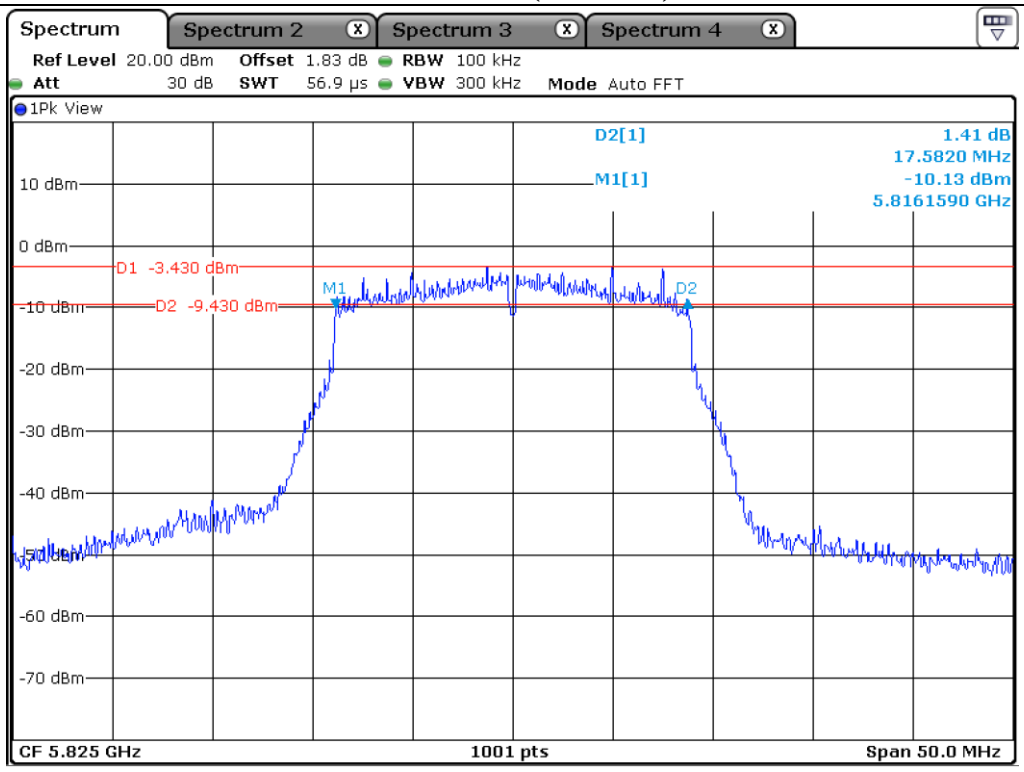


Low Channel (5 745 MHz)

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



Middle Channel (5 785 MHz)



High Channel (5 825 MHz)

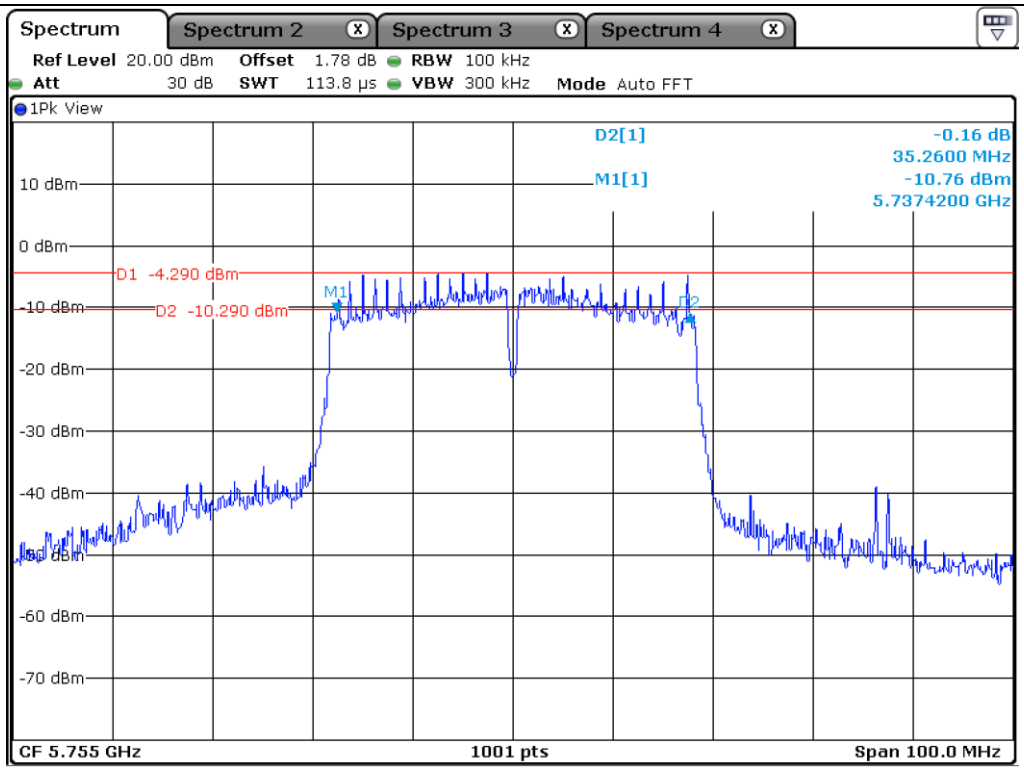
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

8.7 Test data for 802.11n_HT40 RLAN Mode

8.7.1 Test data for Antenna 0

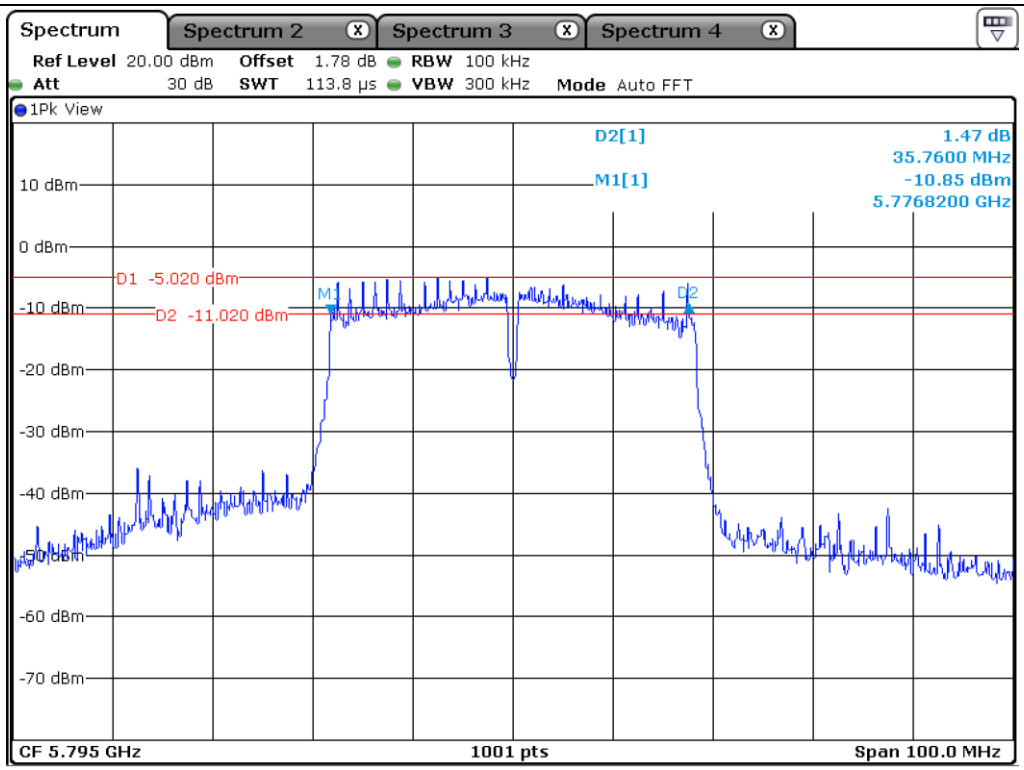
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	35.26
	High	5 795.00	35.76



Low Channel (5 755 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 (5 795 MHz)

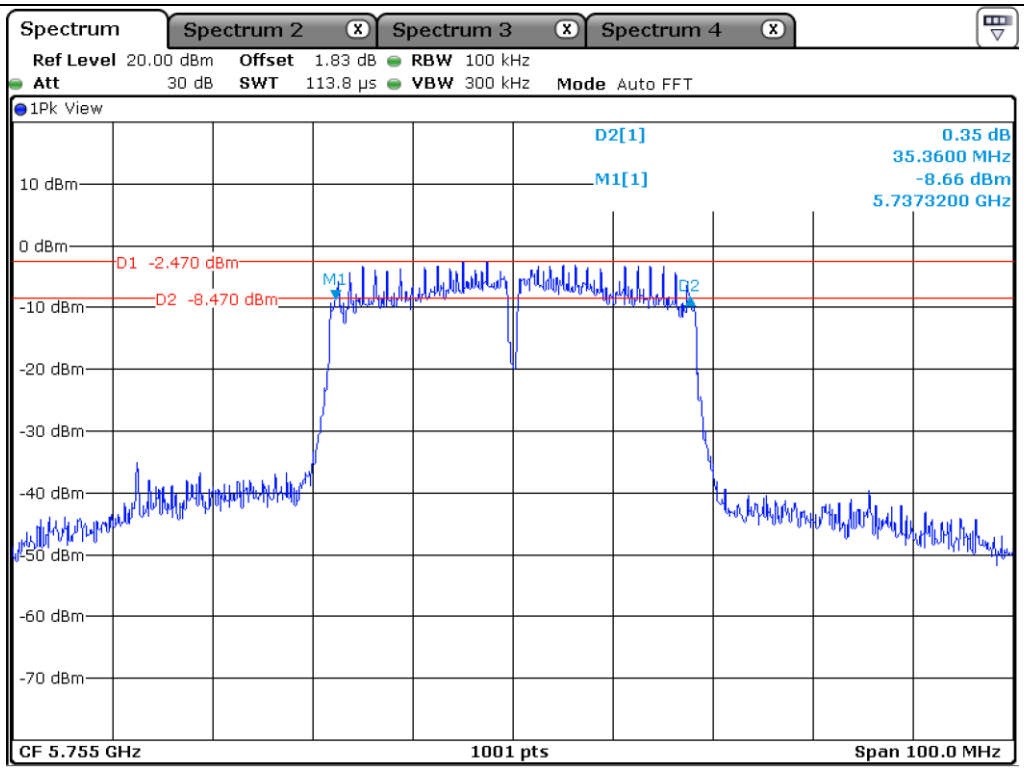
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

8.7.2 Test data for Antenna 1

-. Test Result : Pass

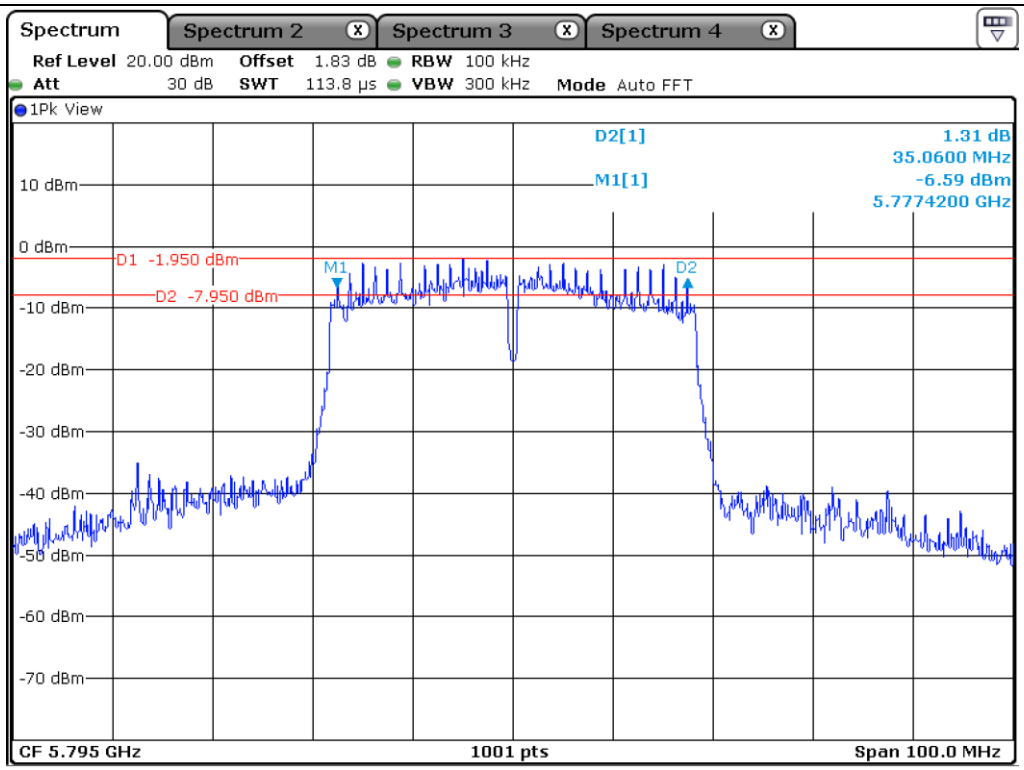
Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	35.36
	High	5 795.00	35.06

Remark: See next page for measurement data.



Low Channel (5 755 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 (5 795 MHz)

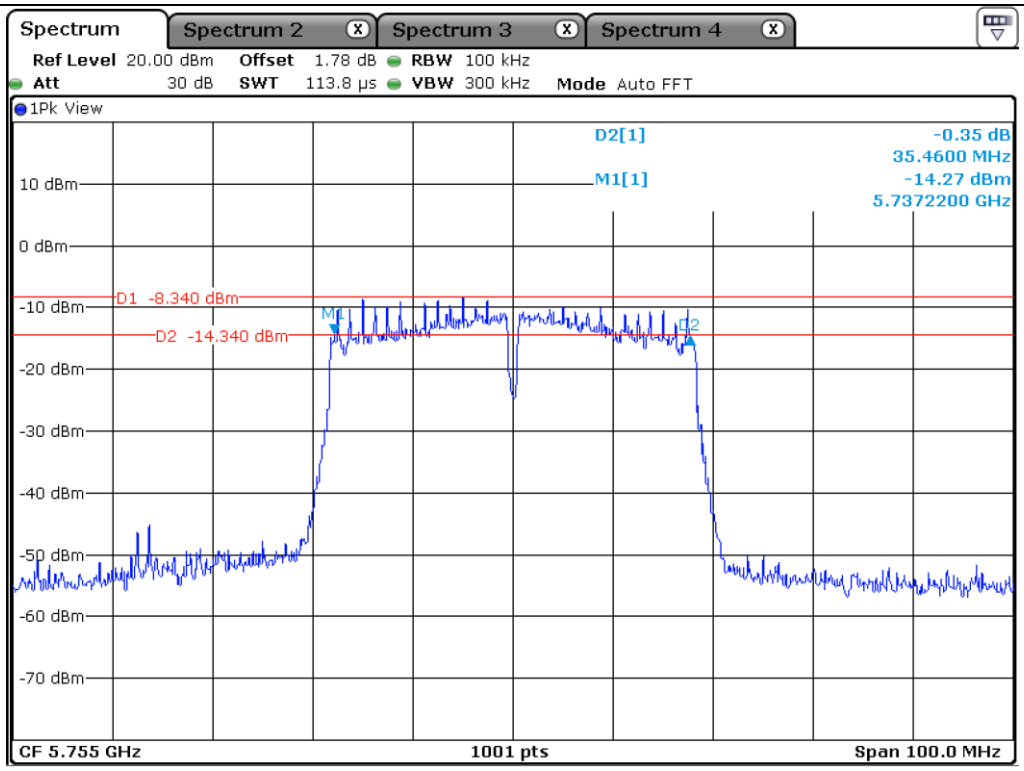
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

8.8 Test data for 802.11ac_VHT40 RLAN Mode

8.8.1 Test data for Antenna 0

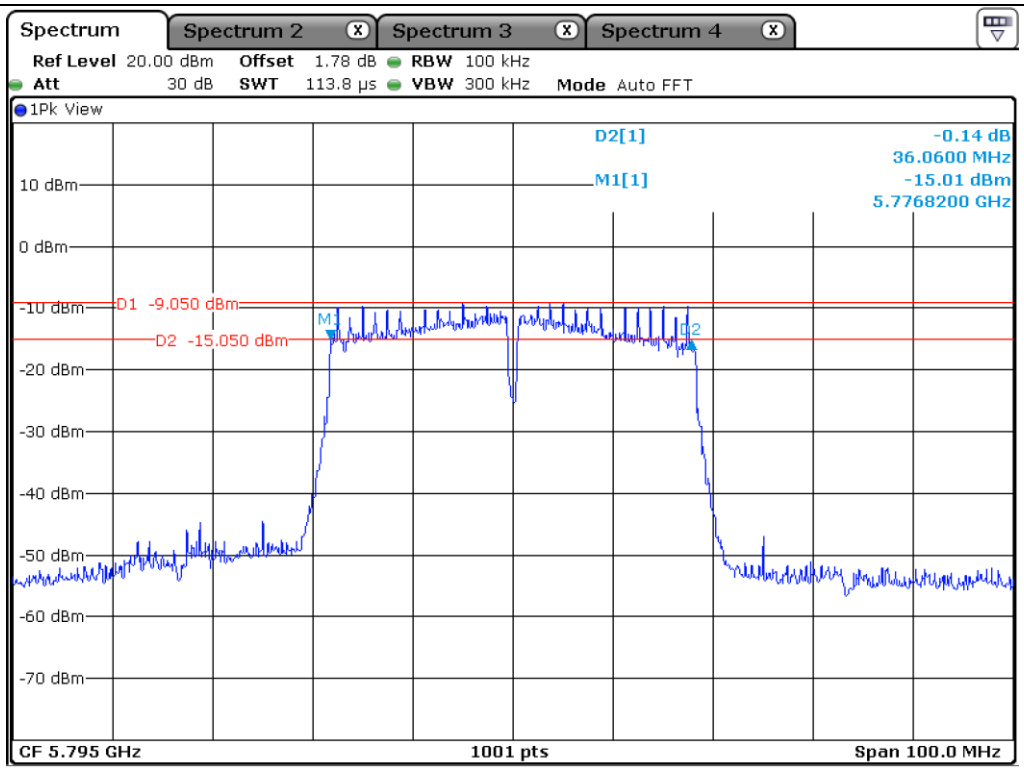
-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	35.46
	High	5 795.00	36.06



Low Channel (5 755 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 (5 795 MHz)

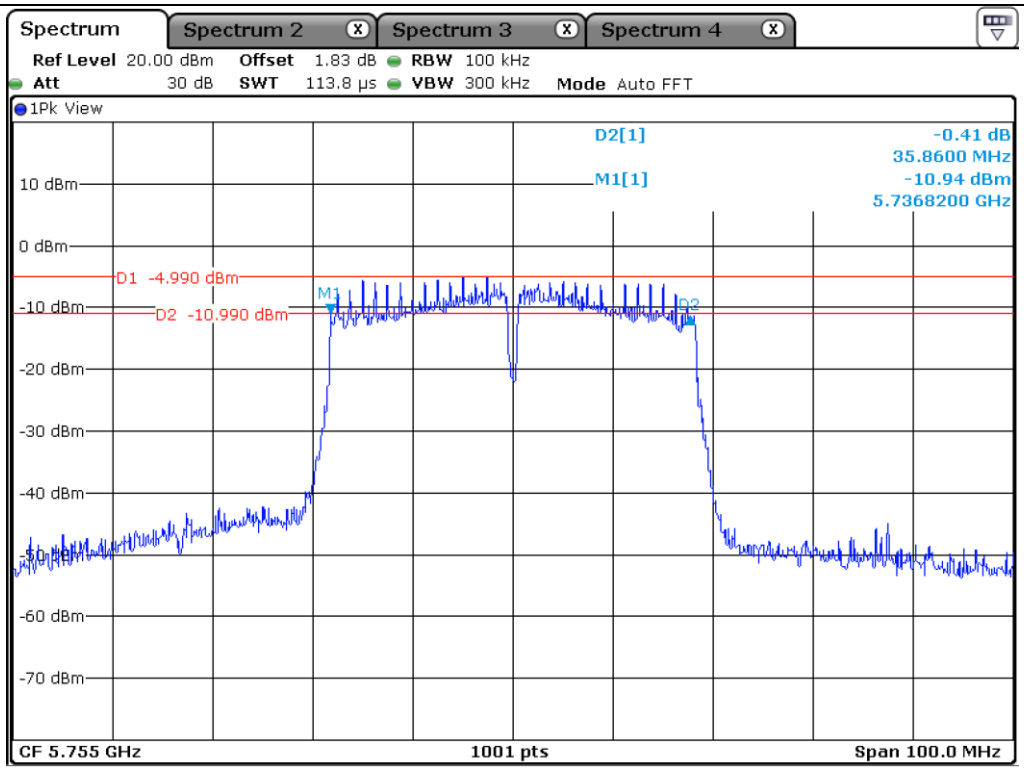
ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

8.8.2 Test data for Antenna 1

-. Test Result : Pass

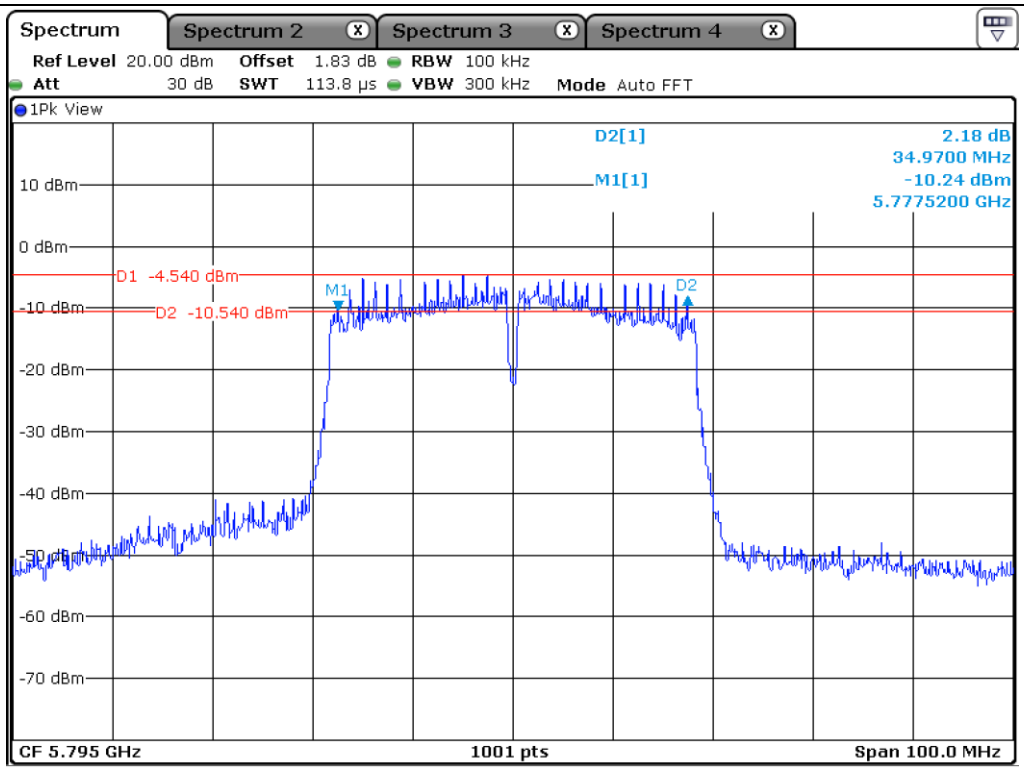
Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Low	5 755.00	35.86
	High	5 795.00	34.97

Remark: See next page for measurement data.



Low Channel (5 755 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 (5 795 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)

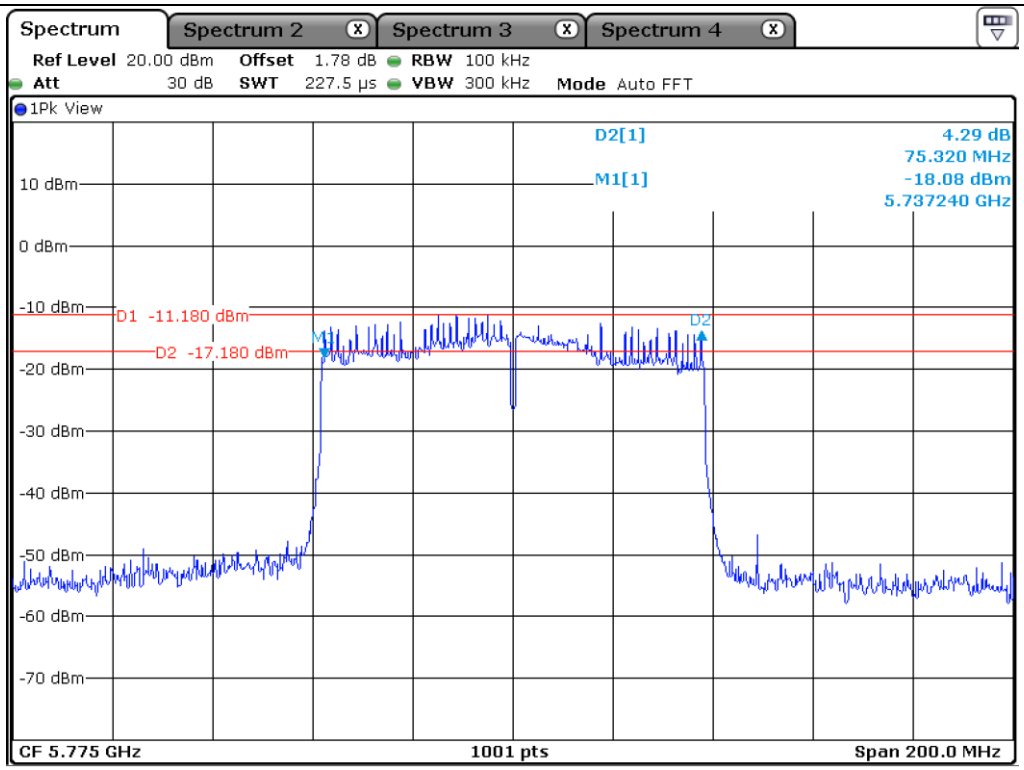
8.9 Test data for 802.11ac_VHT80 RLAN Mode

8.9.1 Test data for Antenna 0

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Middle	5 775.00	75.32

Remark: See next page for measurement data.



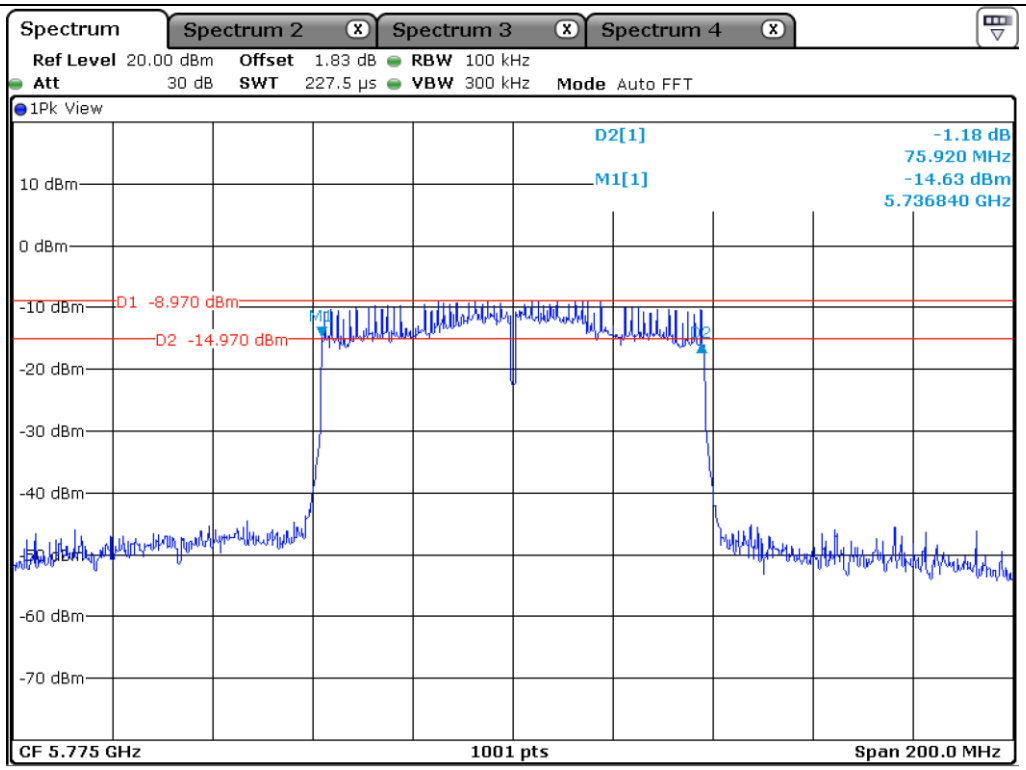
Middle Channel (5 775 MHz)

8.9.2 Test data for Antenna 1

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)
5 725 ~ 5 850	Middle	5 775.00	75.92

Remark: See next page for measurement data.



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)

9. MAXIMUM PEAK OUTPUT POWER

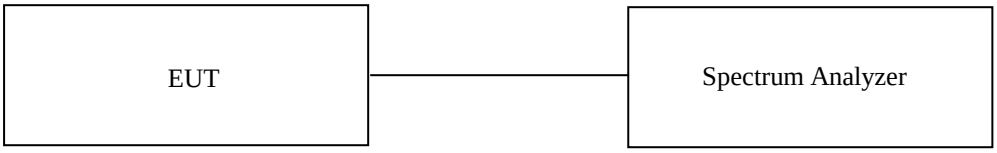
9.1 Operating environment

Temperature : 23 °C

Relative humidity : 45 % R.H.

9.2 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 26 dB & 6 dB bandwidth. The EUT was operating in transmit mode at the appropriate center frequency.



9.3 Test Date

January 07, 2021 ~ January 28, 2021

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

9.4 Test data for 802.11a RLAN Mode

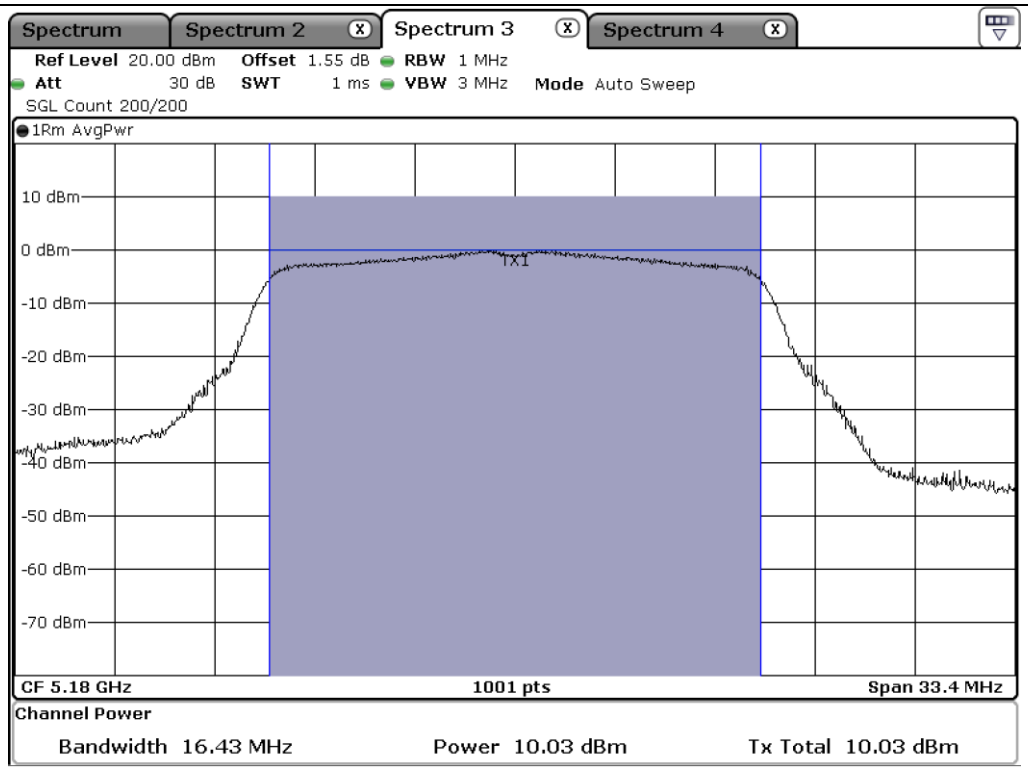
9.4.1 Test data for Antenna 0

-. Test Result : Pass

-. Duty Cycle : 90.79 % (UNII 1) / 90.38 % (UNII 3)

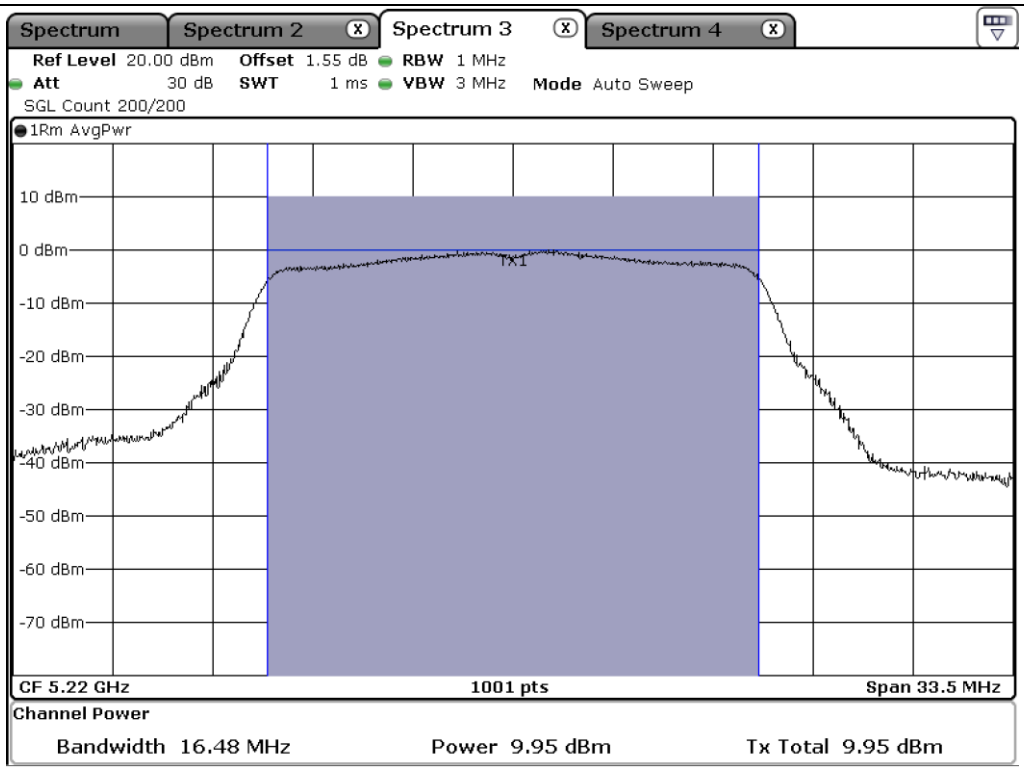
Frequency Range (MHz)	Channel	Frequency (MHz)	99% Band Width	Measured Value (dBm)	DUTY Factor (dB)	Result (dBm)	Linit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	16.43	10.03	0.42	10.45	23.97	13.52
	Middle	5 220.00	16.48	9.95	0.42	10.37	23.97	13.60
	High	5 240.00	16.48	10.18	0.42	10.60	23.97	13.37
5 725 ~ 5 850	Low	5 745.00	16.43	10.00	0.44	10.44	30.00	19.56
	Middle	5 785.00	16.48	9.58	0.44	10.02	30.00	19.98
	High	5 825.00	16.43	9.53	0.44	9.97	30.00	20.03

Remark : Margin = Limit – Result Value (Measured value + Duty Factor)

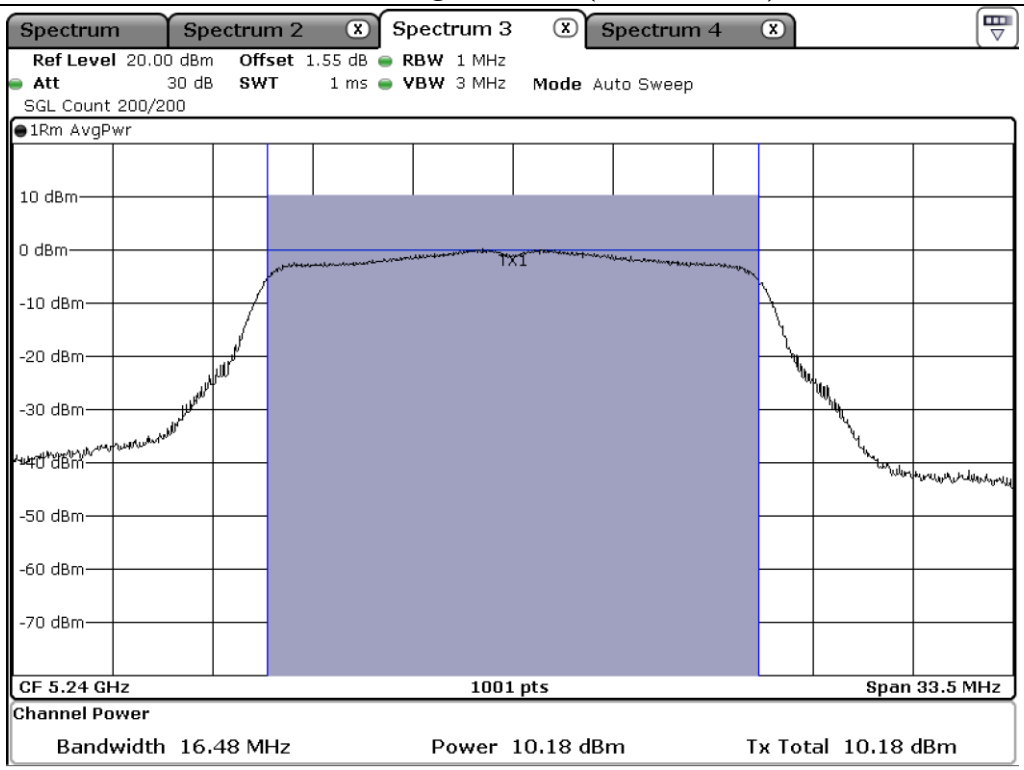


Low Channel @ 5 180 MHz (99% Bandwidth)

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

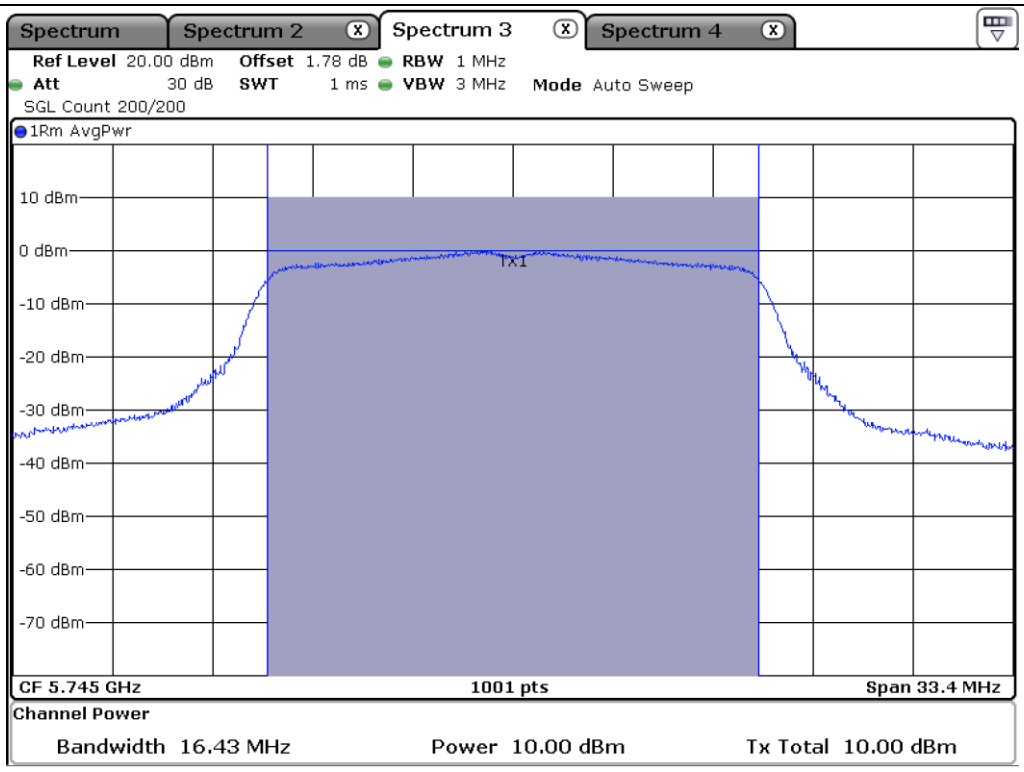


Middle Channel @ 5 220 MHz (99% Bandwidth)

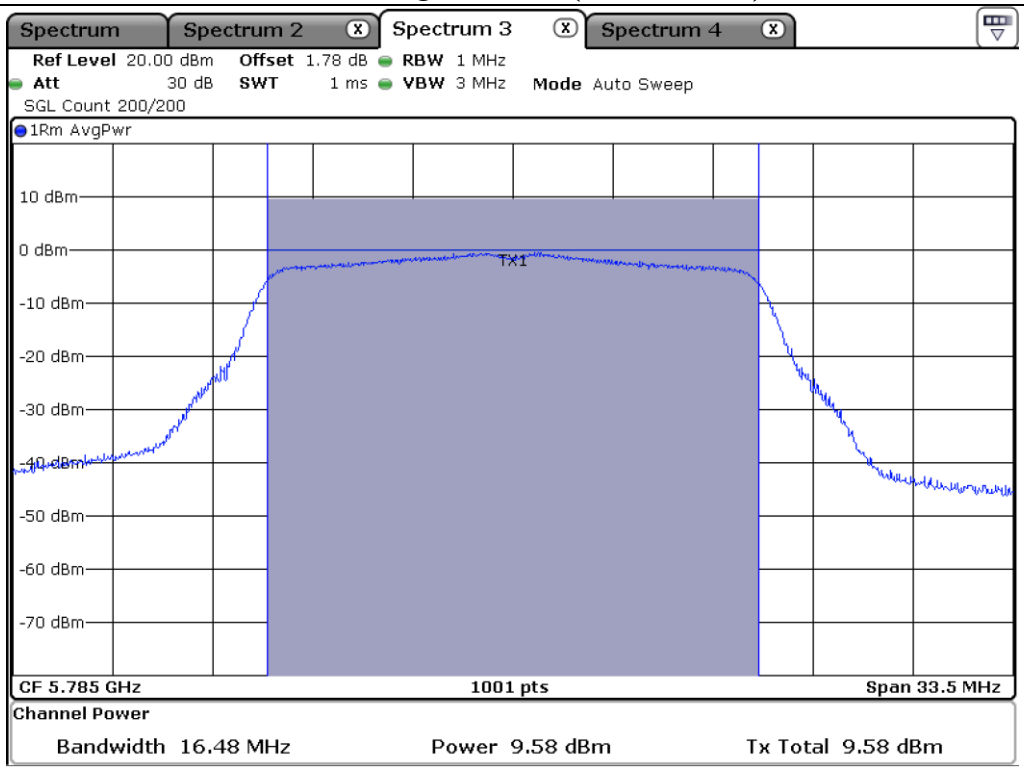


High Channel @ 5 240 MHz (99% Bandwidth)

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

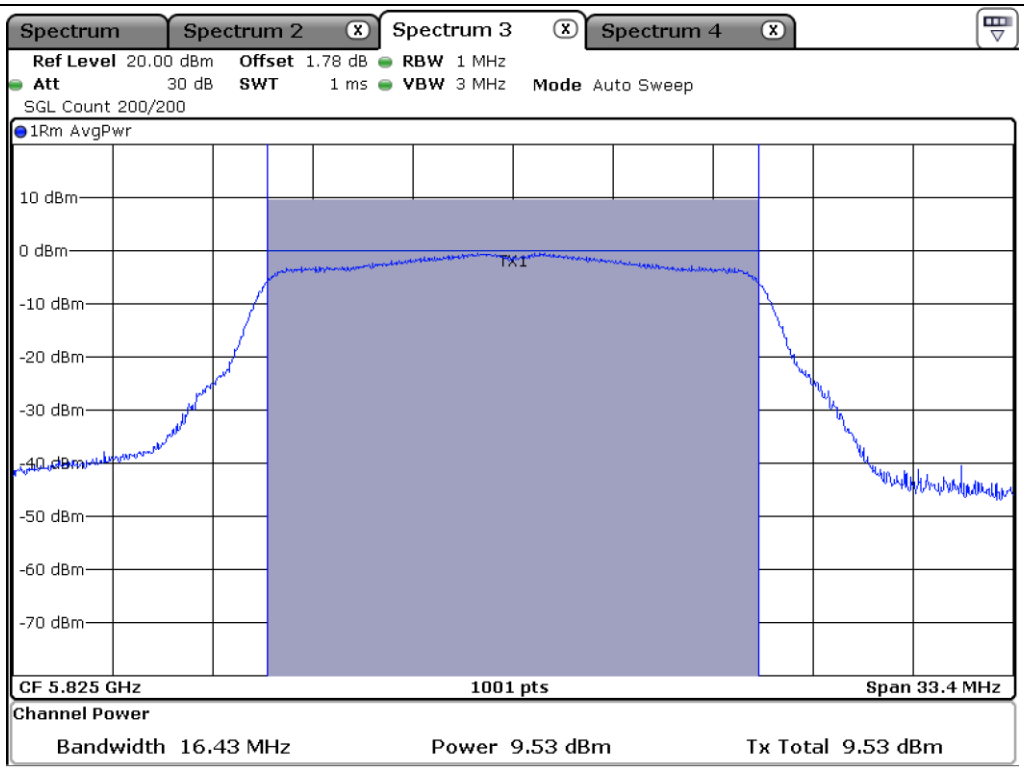


Low Channel @ 5 745 MHz (99% Bandwidth)



Middle Channel @ 5 785 MHz (99% Bandwidth)

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 (99% Bandwidth)

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

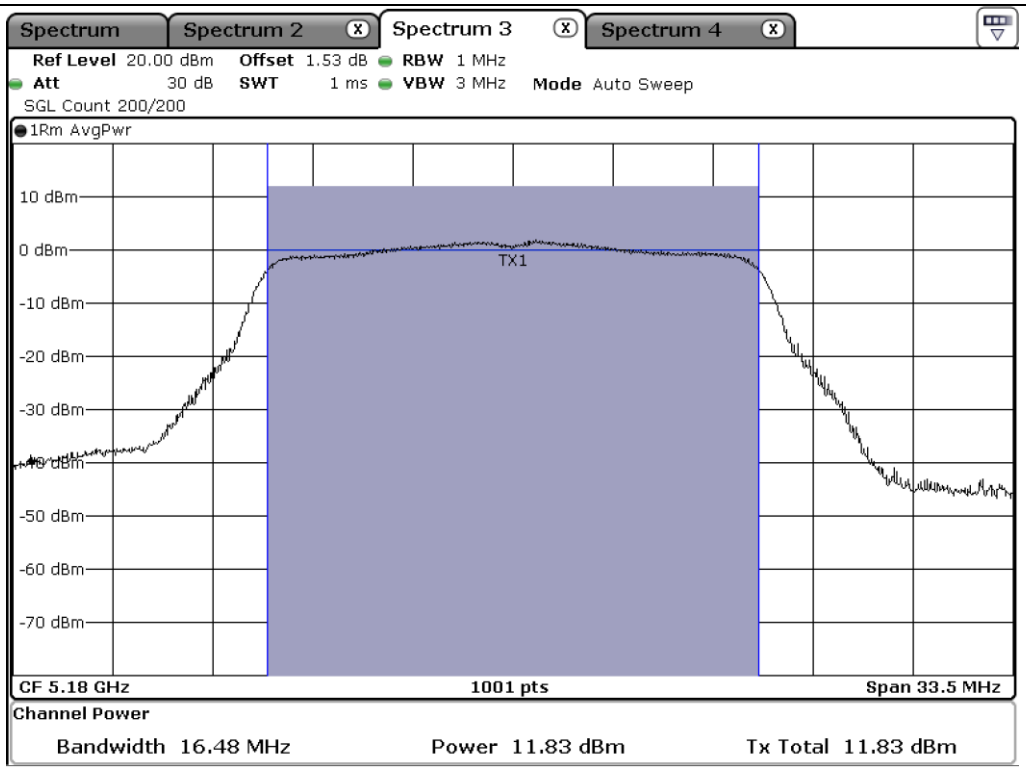
9.4.2 Test data for Antenna 1

-. Test Result : Pass

-. Duty Cycle : 90.13 % (UNII 1) / 90.38 % (UNII 3)

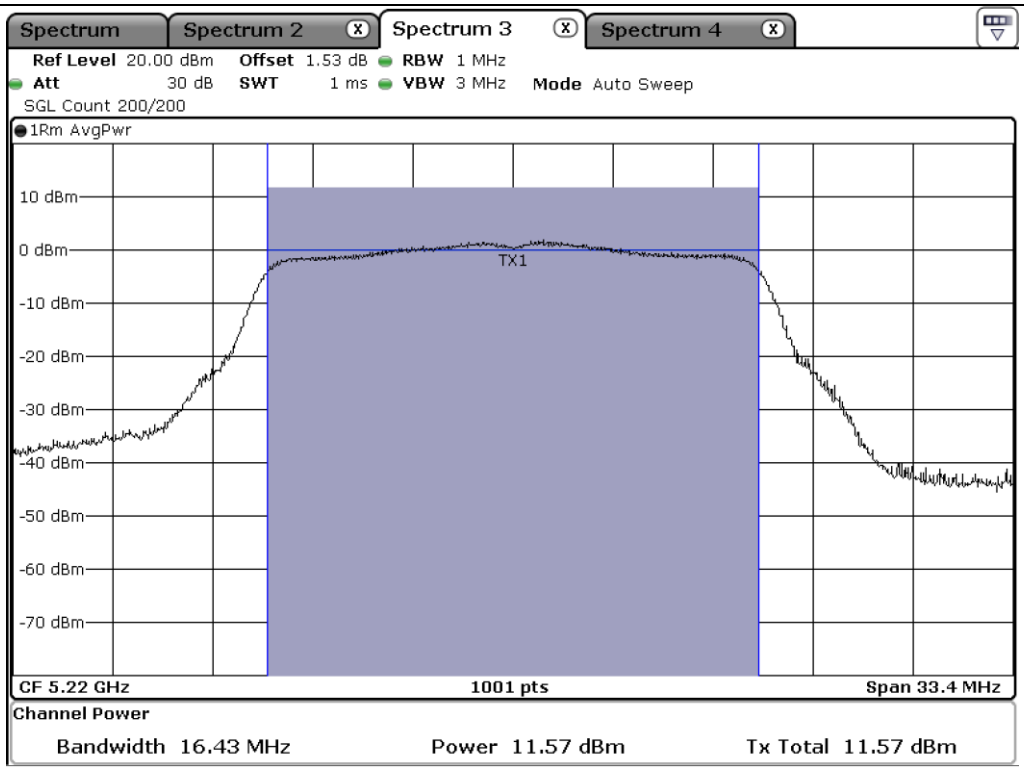
Frequency Range (MHz)	Channel	Frequency (MHz)	99% Band Width	Measured Value (dBm)	DUTY Factor (dB)	Result (dBm)	Linit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	16.48	11.83	0.45	12.28	23.97	11.69
	Middle	5 220.00	16.43	11.57	0.45	12.02	23.97	11.95
	High	5 240.00	16.43	11.57	0.45	12.02	23.97	11.95
5 725 ~ 5 850	Low	5 745.00	16.43	11.27	0.44	11.71	30.00	18.29
	Middle	5 785.00	16.43	11.35	0.44	11.79	30.00	18.21
	High	5 825.00	16.43	11.44	0.44	11.88	30.00	18.12

Remark : Margin = Limit – Result Value (Measured value + Duty Factor)

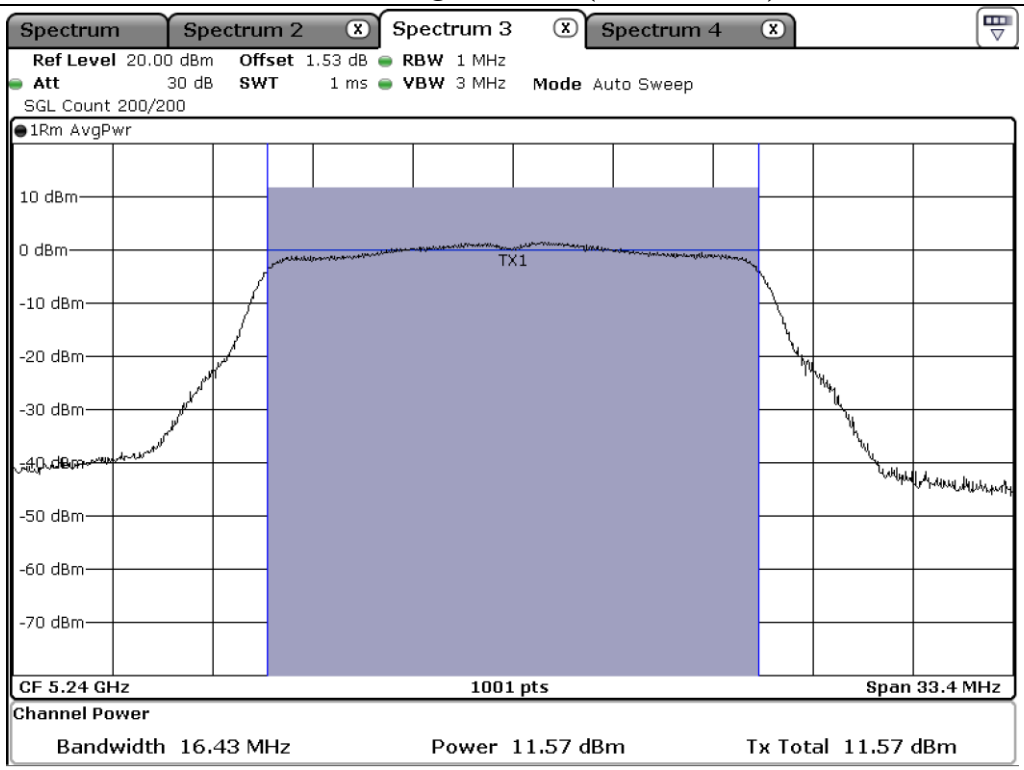


Low Channel @ 5 180 MHz (99% Bandwidth)

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

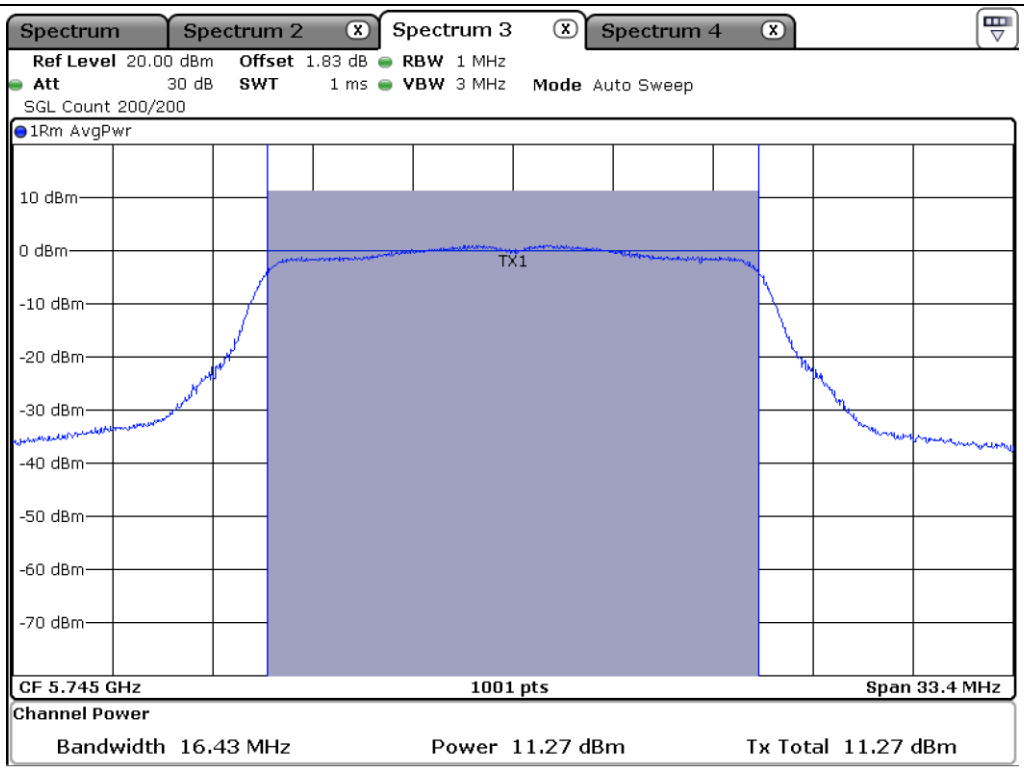


Middle Channel @ 5 220 MHz (99% Bandwidth)

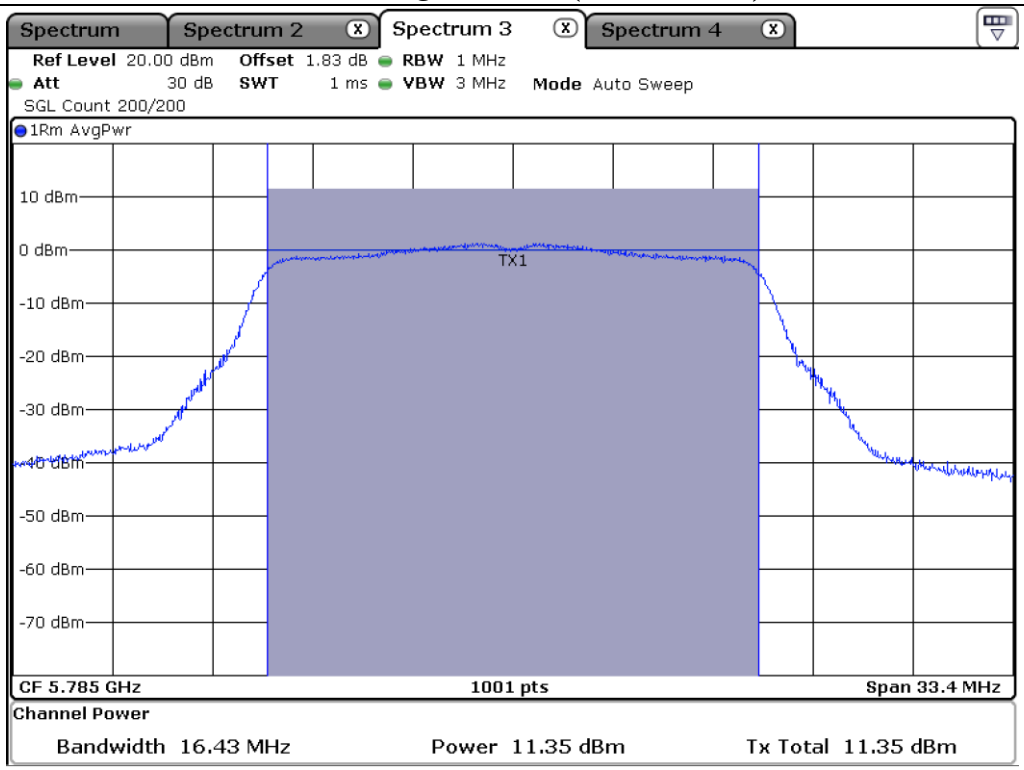


High Channel @ 5 240 MHz (99% Bandwidth)

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

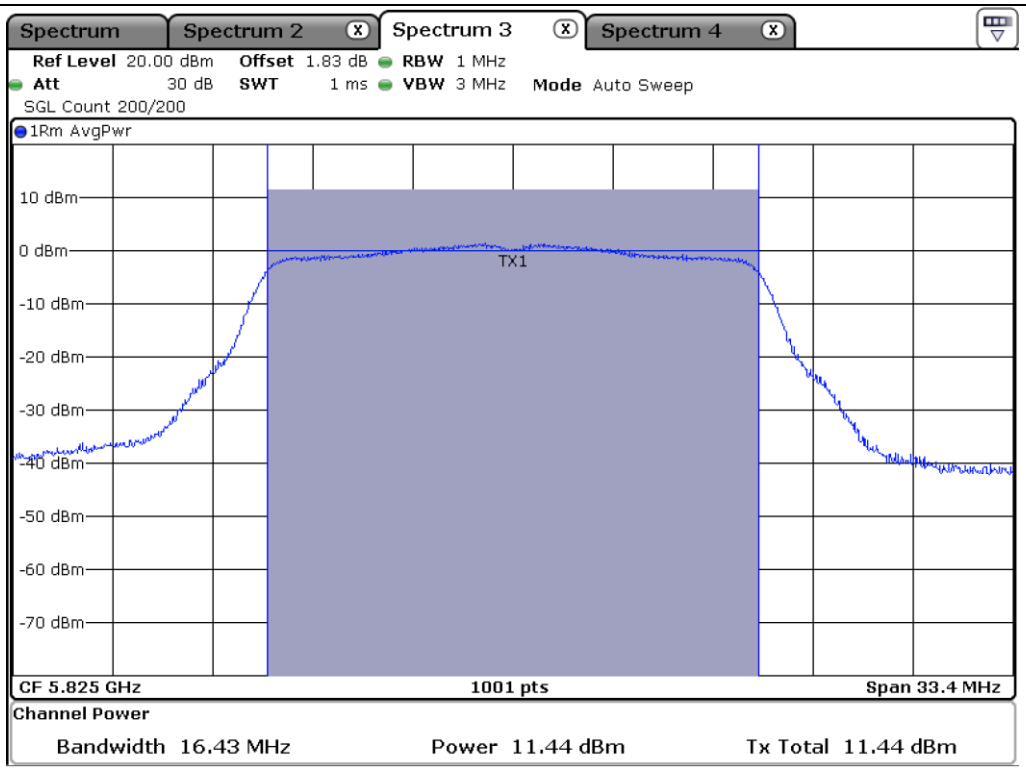


Low Channel @ 5 745 MHz (99% Bandwidth)



Middle Channel @ 5 785 MHz (99% Bandwidth)

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 (99% Bandwidth)

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

9.4.3 Test data for Multiple Transmit

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	14.47	23.97	9.50
	Middle	5 220.00	14.28	23.97	9.69
	High	5 240.00	14.38	23.97	9.59
5 725 ~ 5 850	Low	5 745.00	14.13	30.00	15.87
	Middle	5 785.00	14.00	30.00	16.00
	High	5 825.00	14.04	30.00	15.96

Remark 1 : Margin = Limit – Result Value (Measured value + Duty Factor)

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

9.5 Test data for 802.11n_HT20 RLAN Mode

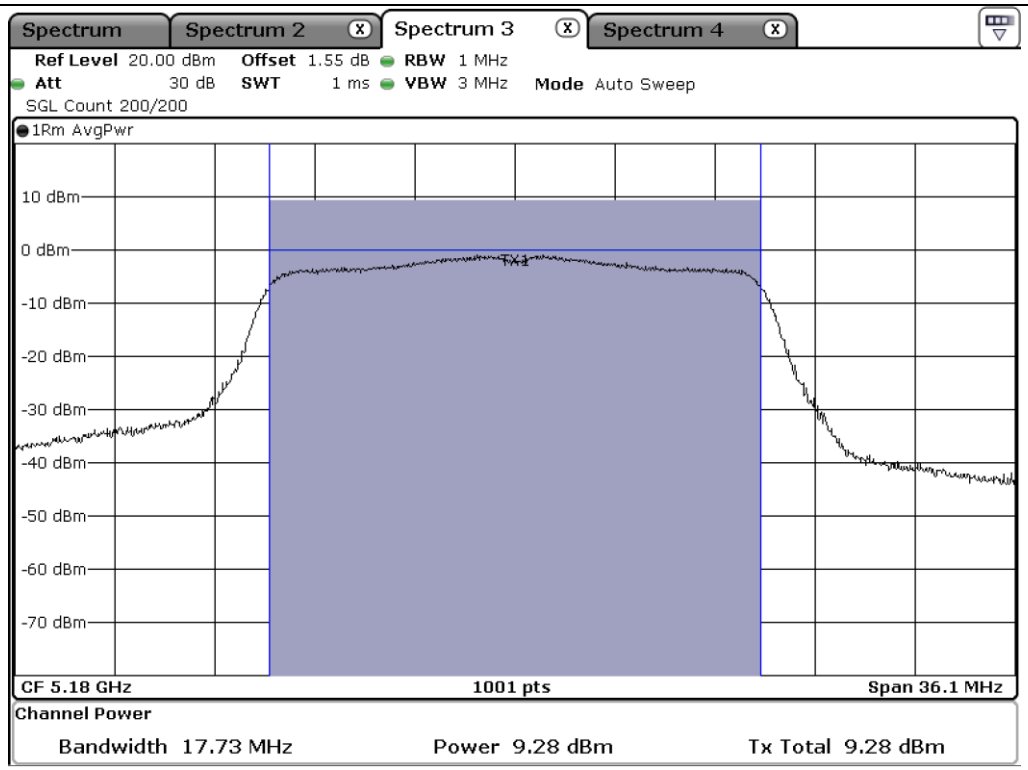
9.5.1 Test data for Antenna 0

-. Test Result : Pass

-. Duty Cycle : 83.75 % (UNII 1) / 83.54 % (UNII 3)

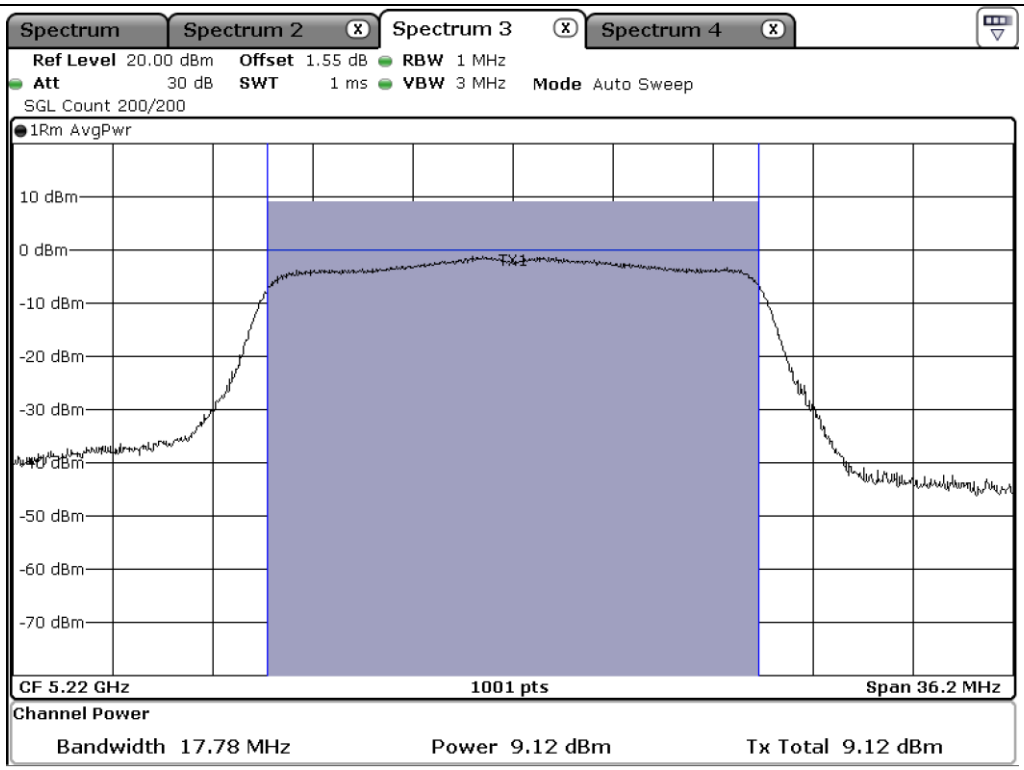
Frequency Range (MHz)	Channel	Frequency (MHz)	99% Band Width	Measured Value (dBm)	DUTY Factor (dB)	Result (dBm)	Linit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	17.73	9.28	0.77	10.05	23.97	13.92
	Middle	5 220.00	17.78	9.12	0.77	9.89	23.97	14.08
	High	5 240.00	17.73	9.27	0.77	10.04	23.97	13.93
5 725 ~ 5 850	Low	5 745.00	17.73	9.45	0.78	10.23	30.00	19.77
	Middle	5 785.00	17.78	9.17	0.78	9.95	30.00	20.05
	High	5 825.00	17.73	9.14	0.78	9.92	30.00	20.08

Remark : Margin = Limit – Result Value (Measured value +Duty Factor)

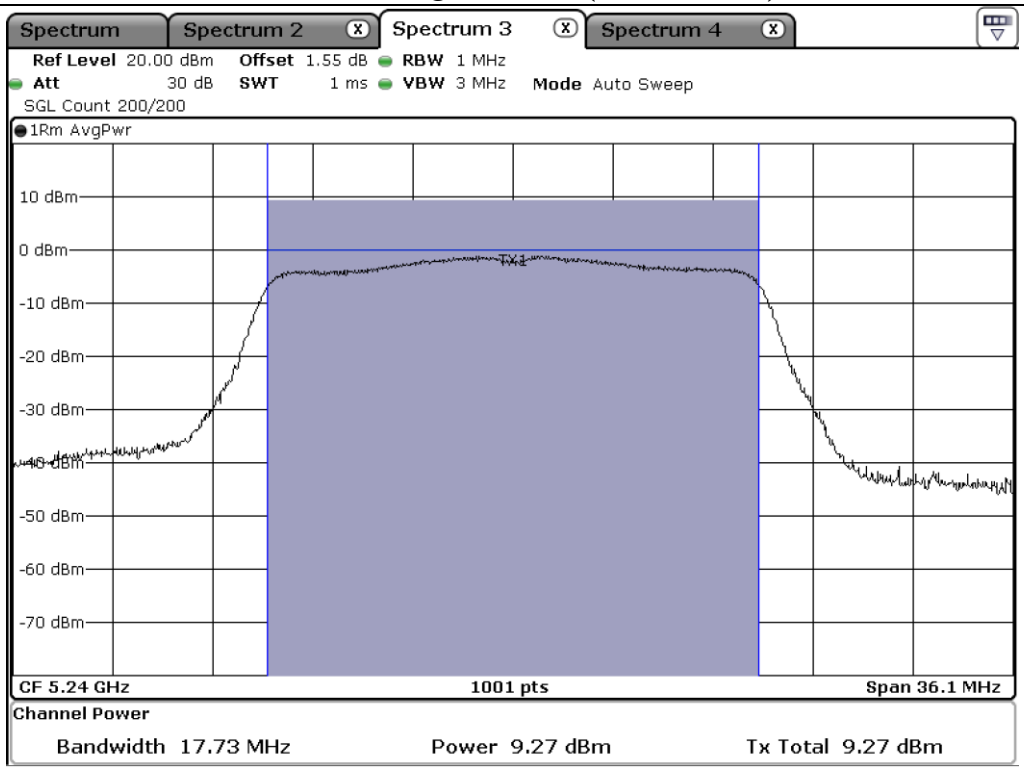


Low Channel @ 5 180 MHz (99% Bandwidth)

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

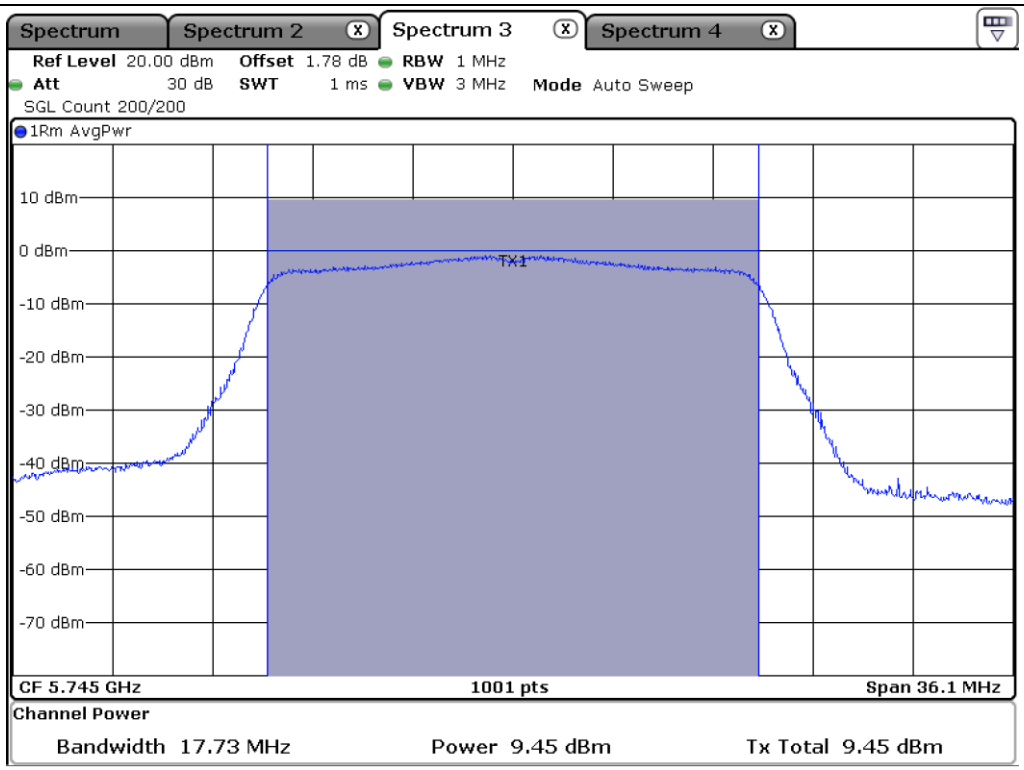


Middle Channel @ 5 220 MHz (99% Bandwidth)

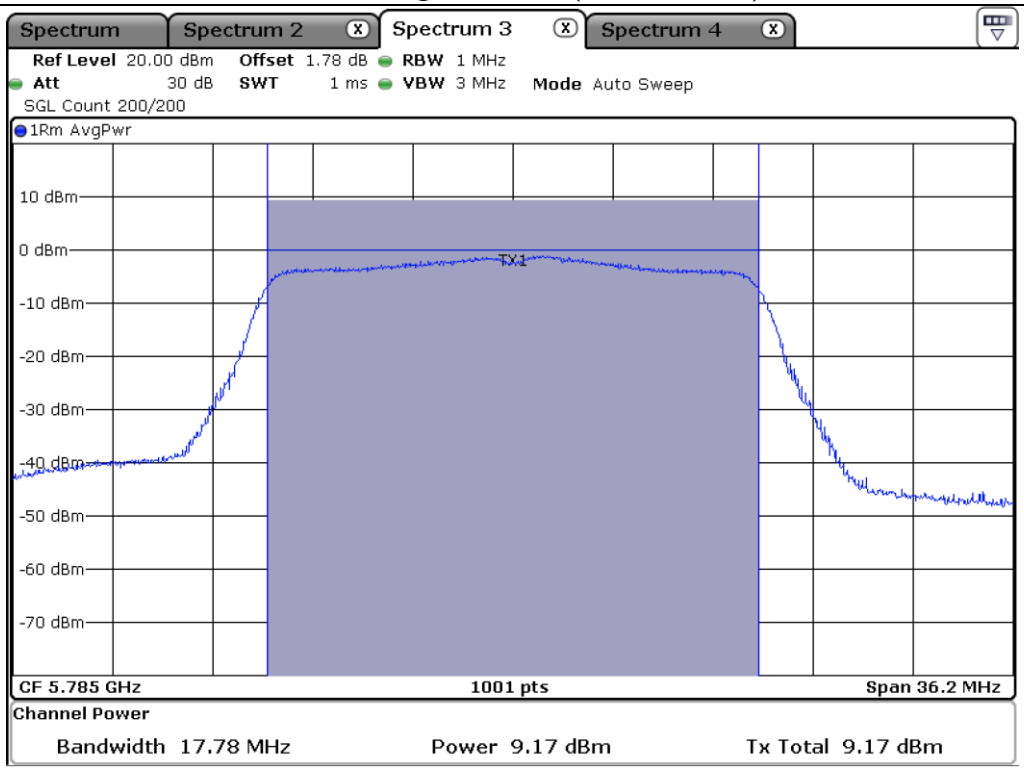


High Channel @ 5 240 MHz (99% Bandwidth)

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

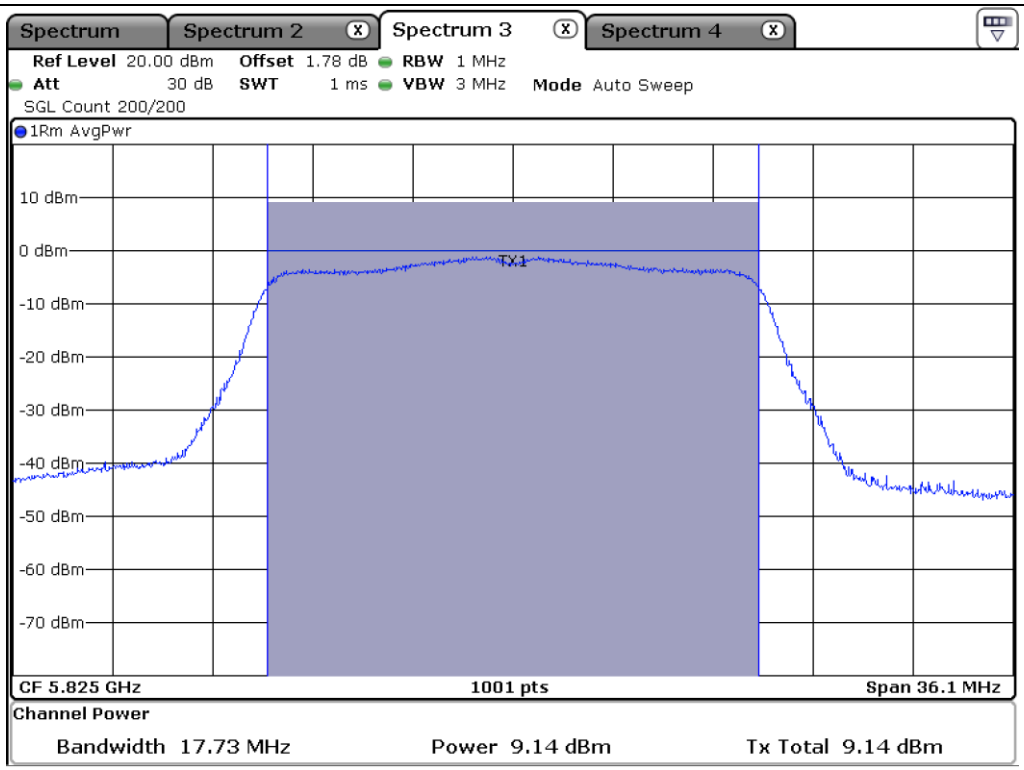


Low Channel @ 5 745 MHz (99% Bandwidth)



Middle Channel @ 5 785 MHz (99% Bandwidth)

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 (99% Bandwidth)

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

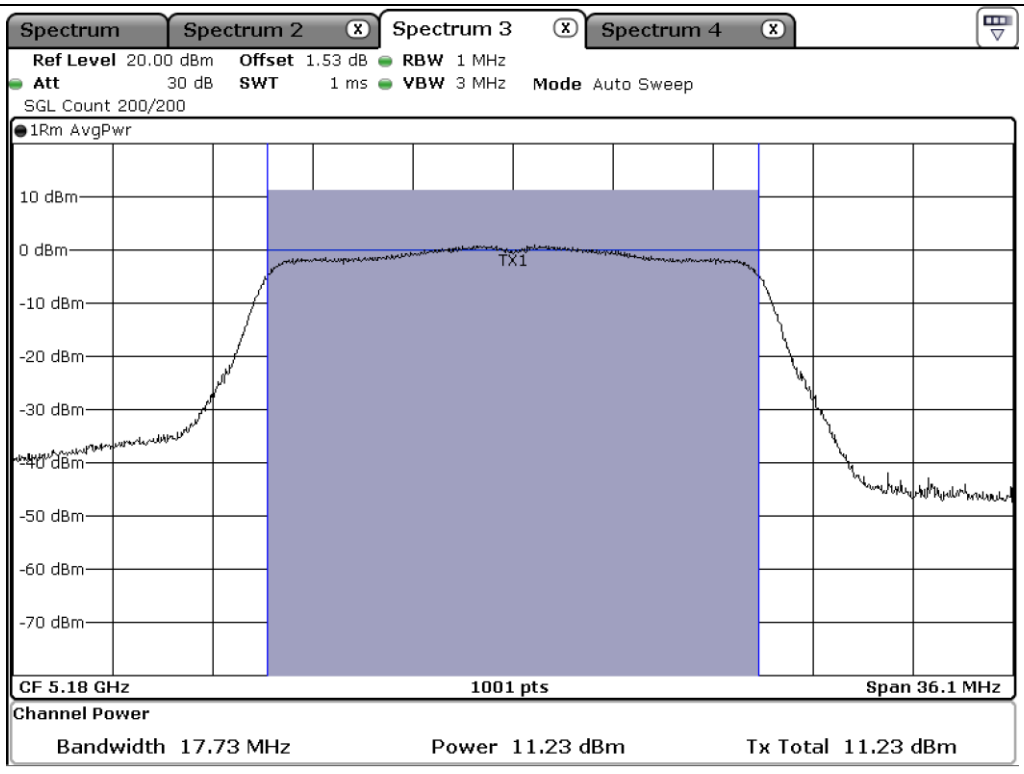
9.5.2 Test data for Antenna 1

-. Test Result : Pass

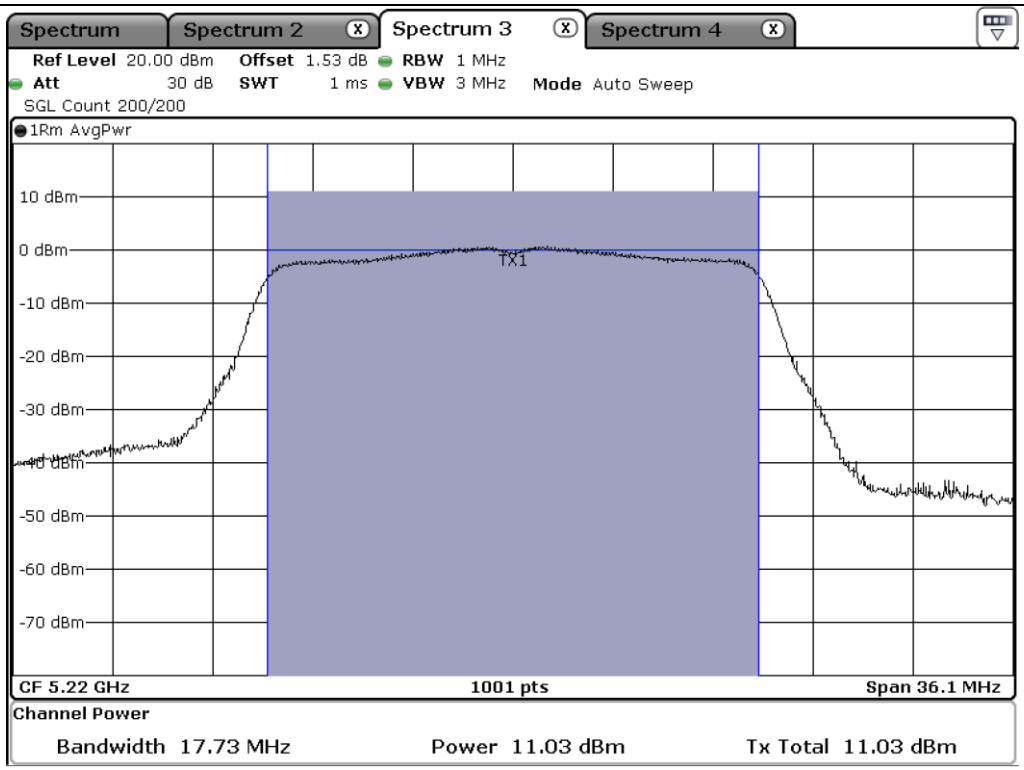
-. Duty Cycle : 83.54 % (UNII 1) / 83.54 % (UNII 3)

Frequency Range (MHz)	Channel	Frequency (MHz)	99% Band Width	Measured Value (dBm)	DUTY Factor (dB)	Result (dBm)	Linit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	17.73	11.23	0.78	12.01	23.97	11.96
	Middle	5 220.00	17.73	11.03	0.78	11.81	23.97	12.16
	High	5 240.00	17.73	11.25	0.78	12.03	23.97	11.94
5 725 ~ 5 850	Low	5 745.00	17.73	11.30	0.78	12.08	30.00	17.92
	Middle	5 785.00	17.73	11.36	0.78	12.14	30.00	17.86
	High	5 825.00	17.73	10.91	0.78	11.69	30.00	18.31

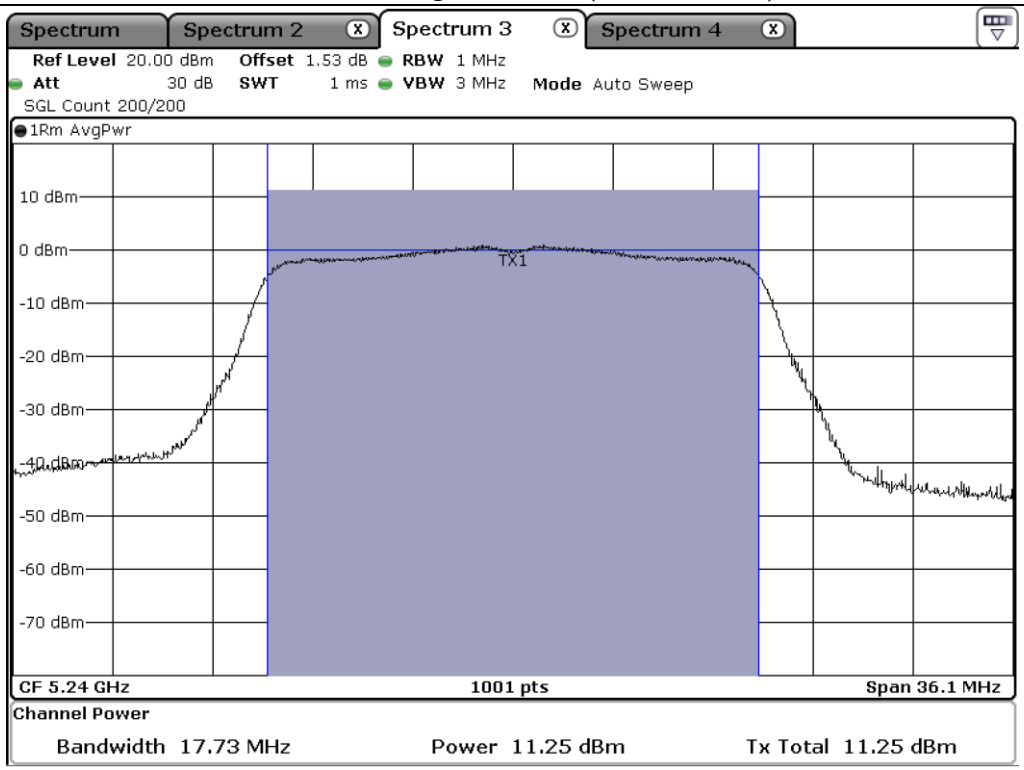
Remark : Margin = Limit – Result Value (Measured value + Duty Factor)



Low Channel @ 5 180 MHz (99% Bandwidth)

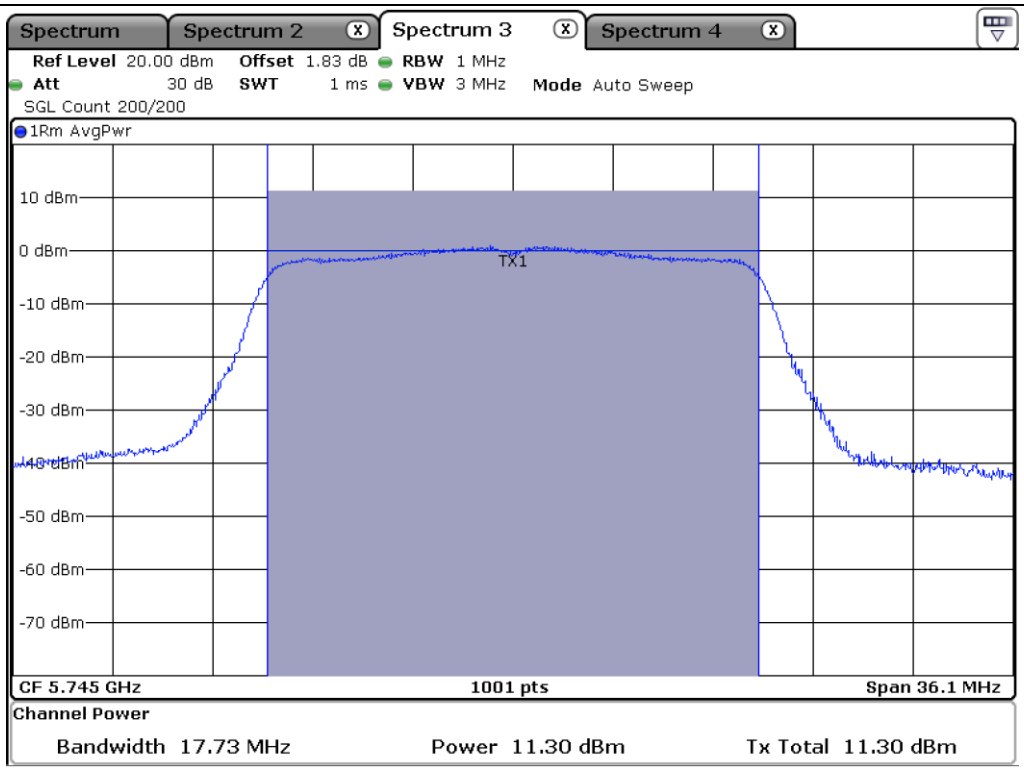


Middle Channel @ 5 220 MHz (99% Bandwidth)

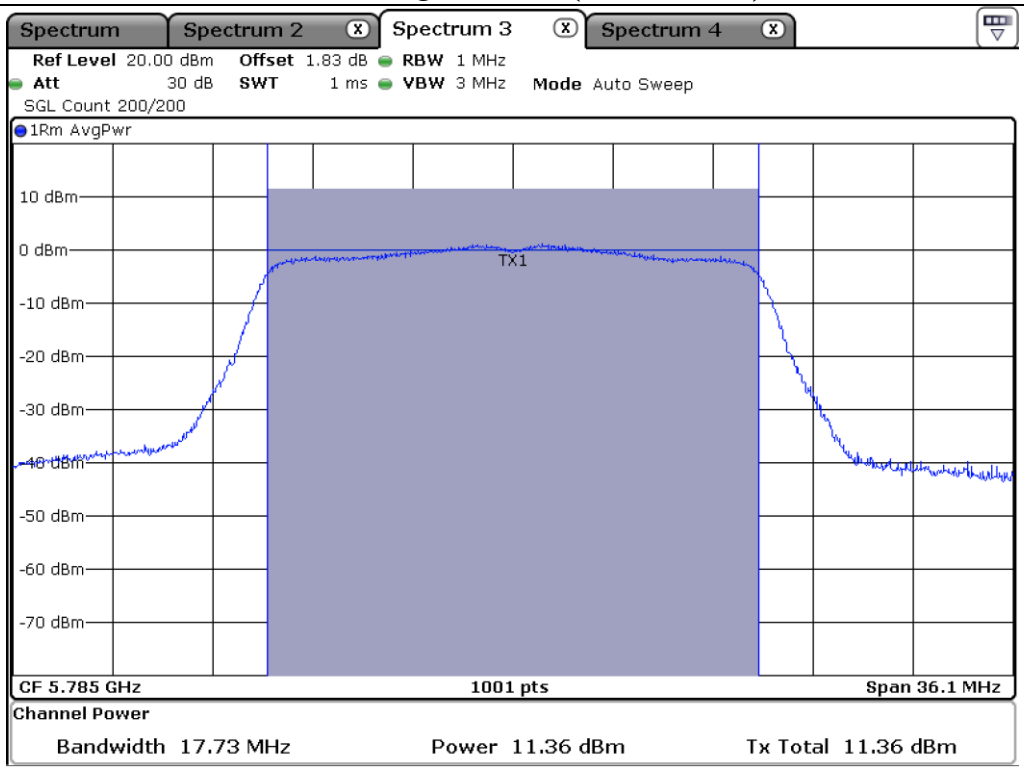


High Channel @ 5 240 MHz (99% Bandwidth)

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

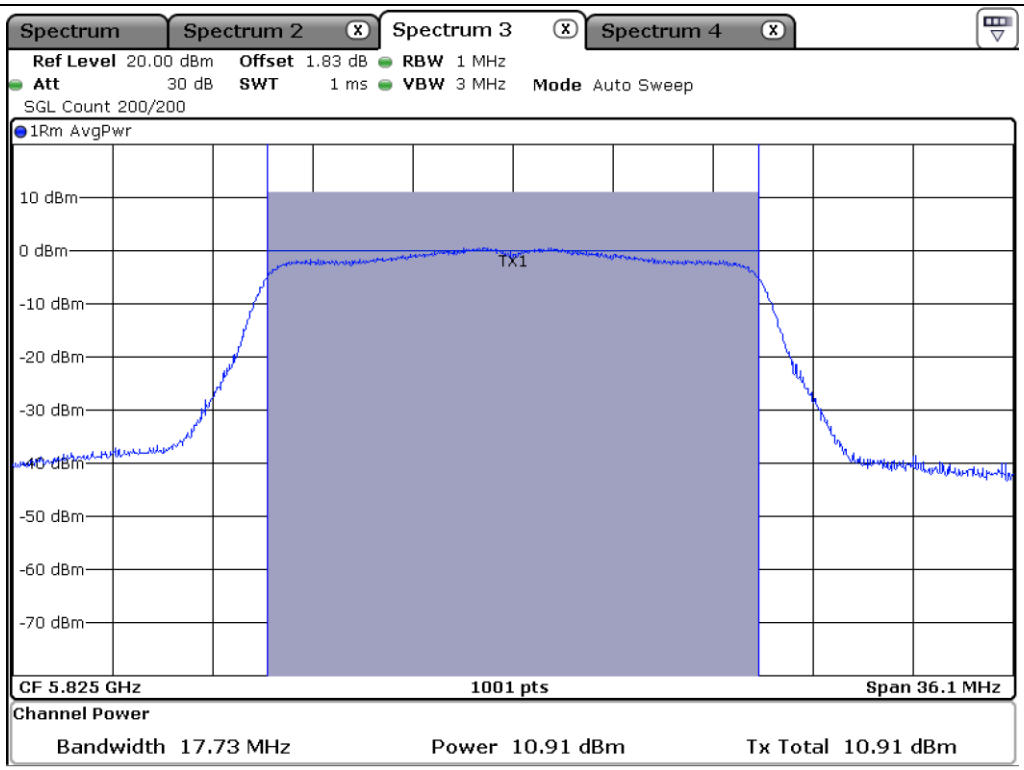


Low Channel @ 5 745 MHz (99% Bandwidth)



Middle Channel @ 5 785 MHz (99% Bandwidth)

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 (99% Bandwidth)

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

9.5.3 Test data for Multiple Transmit

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	14.15	23.97	9.82
	Middle	5 220.00	13.97	23.97	10.00
	High	5 240.00	14.16	23.97	9.81
5 725 ~ 5 850	Low	5 745.00	14.26	30.00	15.74
	Middle	5 785.00	14.19	30.00	15.81
	High	5 825.00	13.90	30.00	16.10

Remark 1 : Margin = Limit – Result Value (Measured value + Duty Factor)

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

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 Test data for 802.11ac_VHT20 RLAN Mode

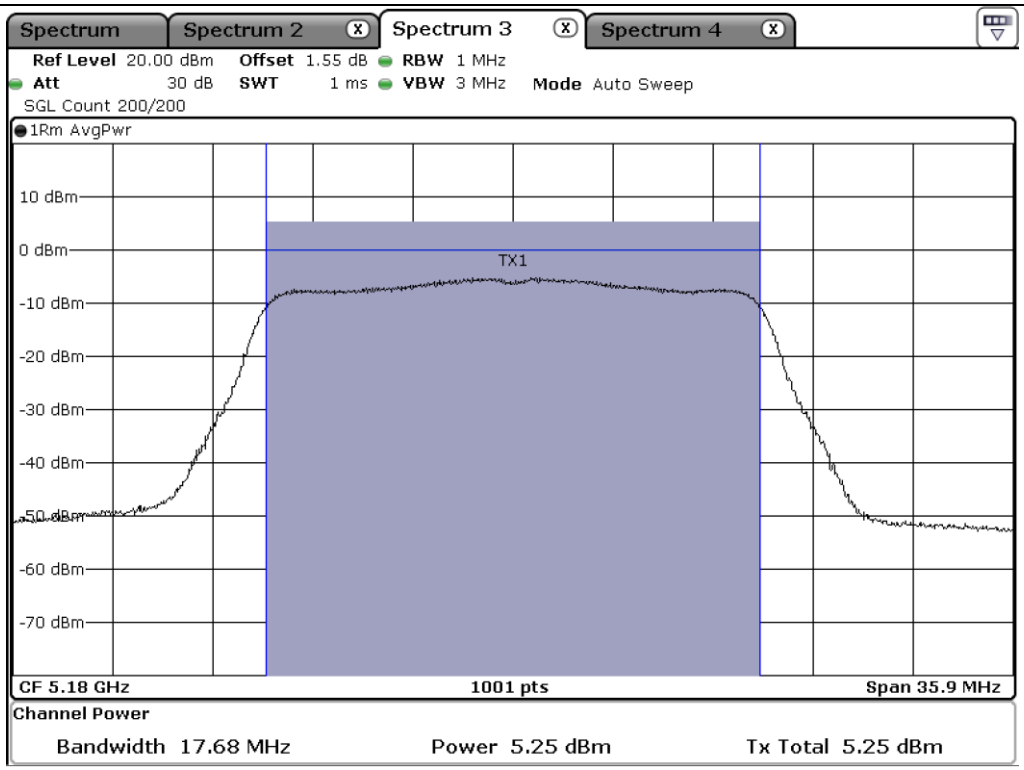
9.6.1 Test data for Antenna 0

-. Test Result : Pass

-. Duty Cycle : 91.67 % (UNII 1) / 91.72 % (UNII 3)

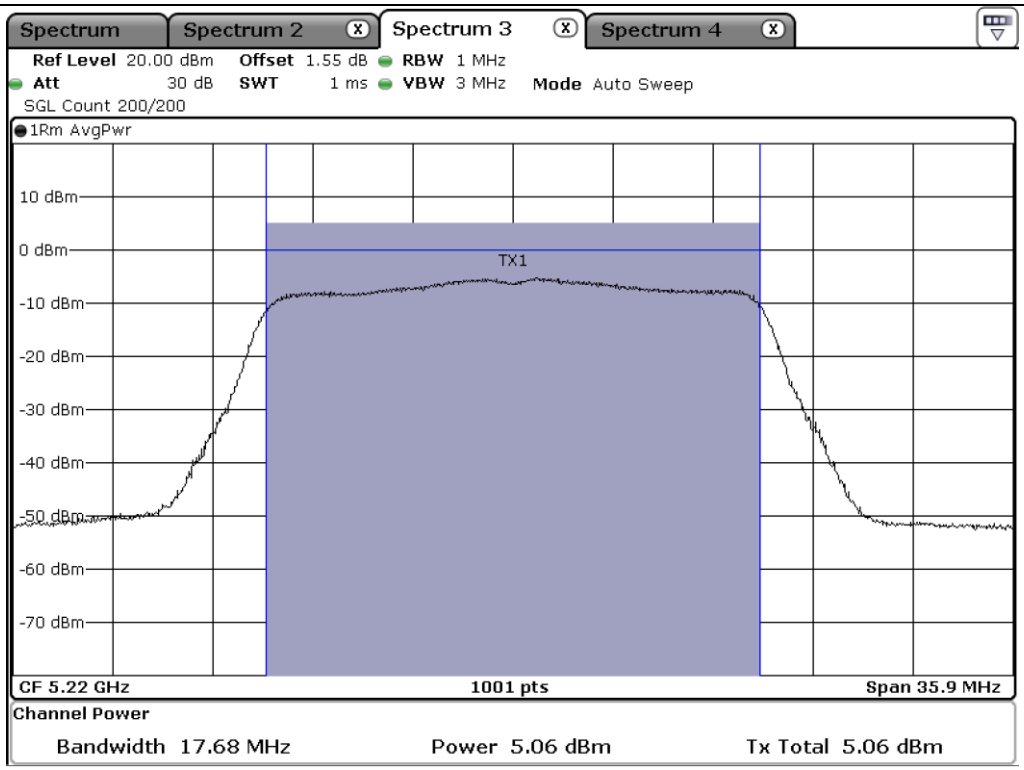
Frequency Range (MHz)	Channel	Frequency (MHz)	99% Band Width	Measured Value (dBm)	DUTY Factor (dB)	Result (dBm)	Linit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	17.68	5.25	0.38	5.63	23.97	18.34
	Middle	5 220.00	17.68	5.06	0.38	5.44	23.97	18.53
	High	5 240.00	17.68	5.00	0.38	5.38	23.97	18.59
5 725 ~ 5 850	Low	5 745.00	17.73	5.31	0.38	5.69	30.00	24.31
	Middle	5 785.00	17.73	5.22	0.38	5.60	30.00	24.40
	High	5 825.00	17.73	5.60	0.38	5.98	30.00	24.02

Remark : Margin = Limit – Result Value (Measured value + Duty Factor)

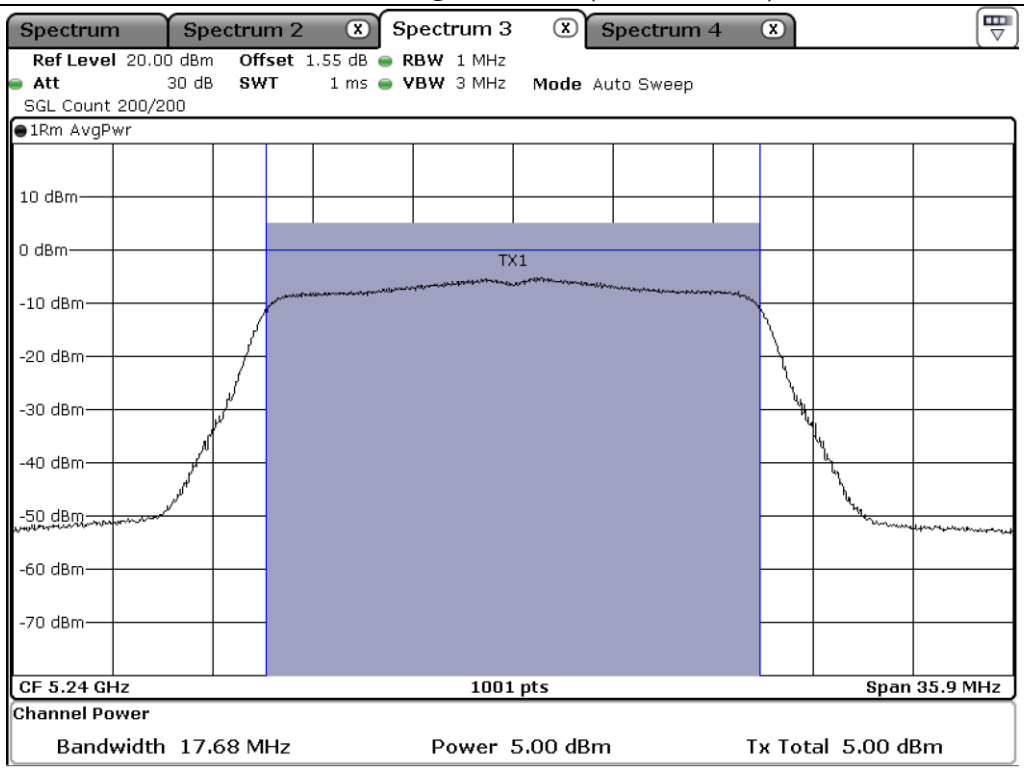


Low Channel @ 5 180 MHz (99% Bandwidth)

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

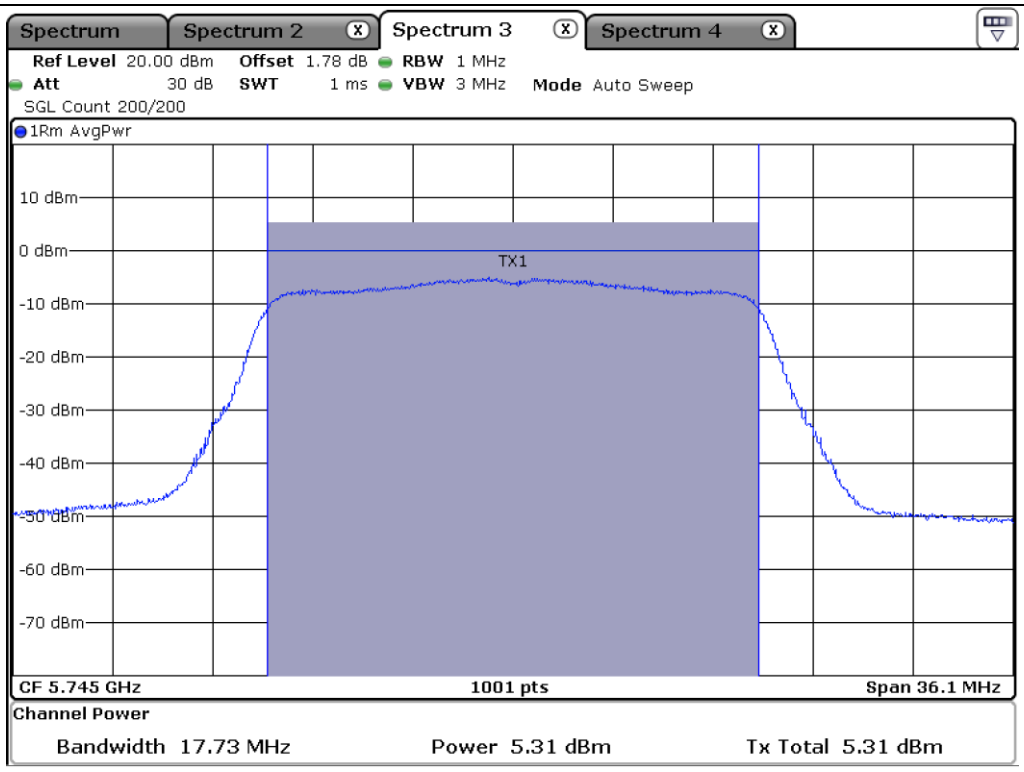


Middle Channel @ 5 220 MHz (99% Bandwidth)

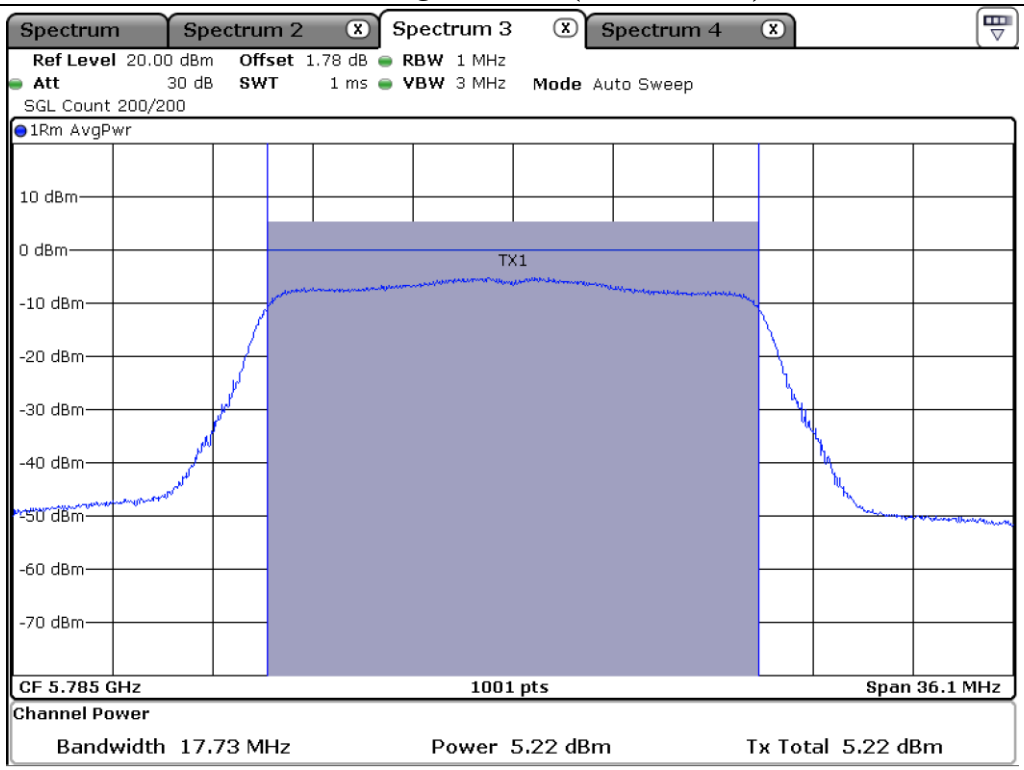


High Channel @ 5 240 MHz (99% Bandwidth)

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

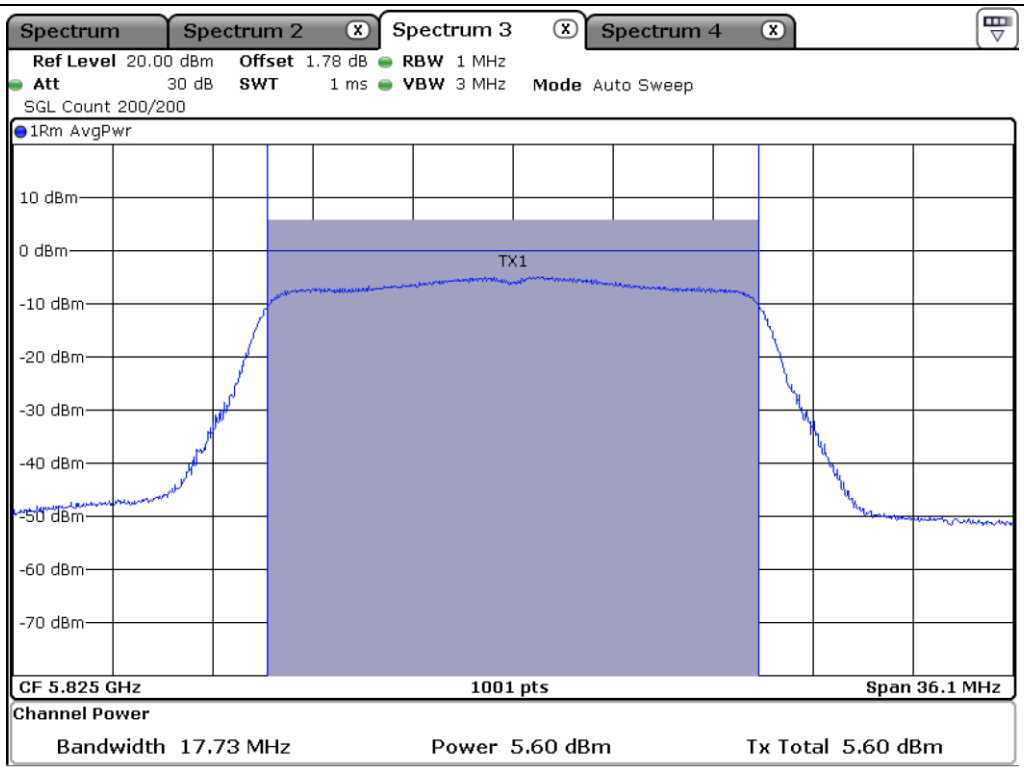


Low Channel @ 5 745 MHz (99% Bandwidth)



Middle Channel @ 5 785 MHz (99% Bandwidth)

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 (99% Bandwidth)

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

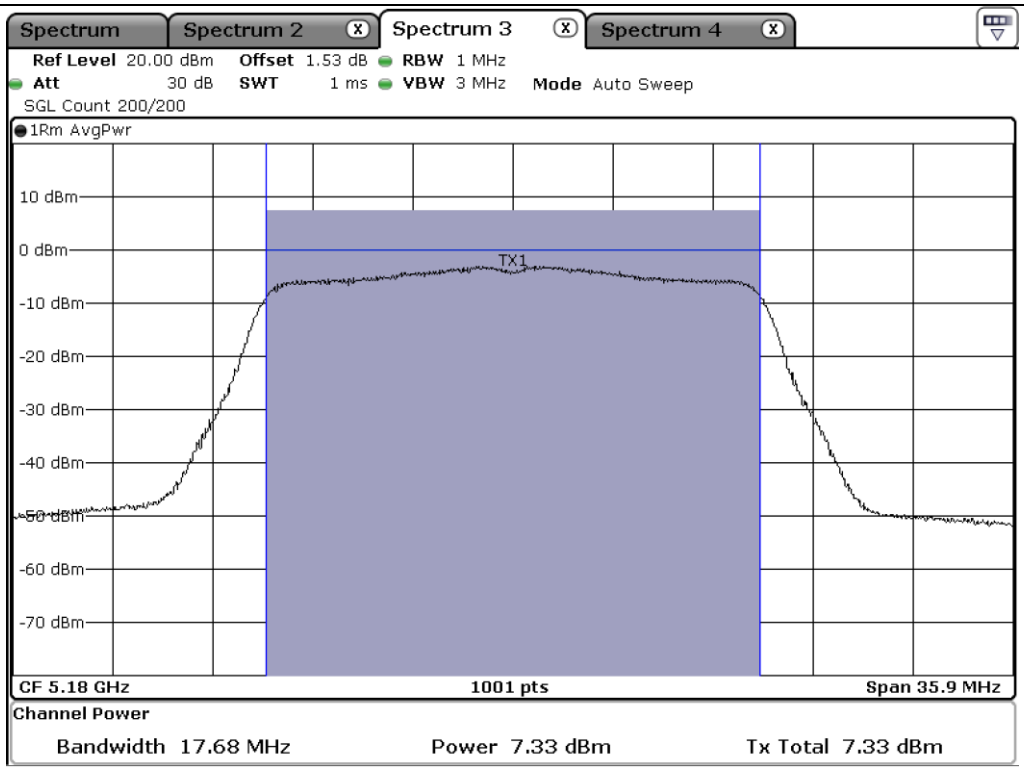
9.6.2 Test data for Antenna 1

-. Test Result : Pass

-. Duty Cycle : 90.34 % (UNII 1) / 91.67 % (UNII 3)

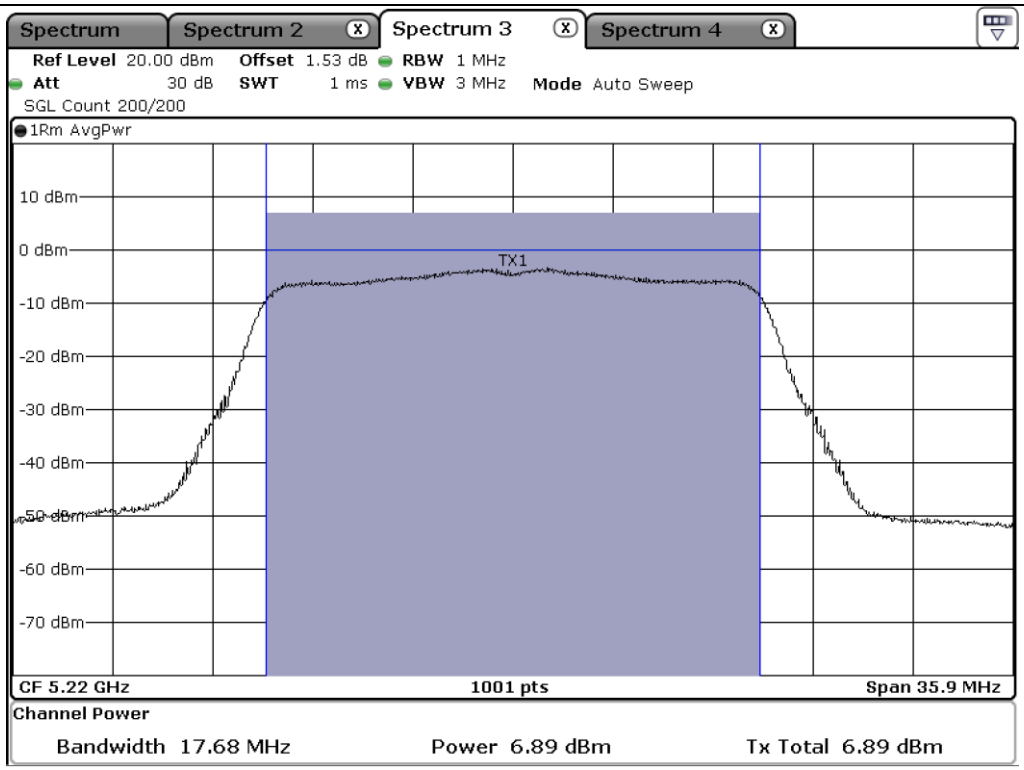
Frequency Range (MHz)	Channel	Frequency (MHz)	99% Band Width	Measured Value (dBm)	DUTY Factor (dB)	Result (dBm)	Linit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	17.68	7.33	0.44	7.77	23.97	16.20
	Middle	5 220.00	17.68	6.89	0.44	7.33	23.97	16.64
	High	5 240.00	17.68	7.31	0.44	7.75	23.97	16.22
5 725 ~ 5 850	Low	5 745.00	17.73	8.33	0.38	8.71	30.00	21.29
	Middle	5 785.00	17.73	8.53	0.38	8.91	30.00	21.09
	High	5 825.00	17.78	8.09	0.38	8.47	30.00	21.53

Remark : Margin = Limit – Result Value (Measured value + Duty Factor)

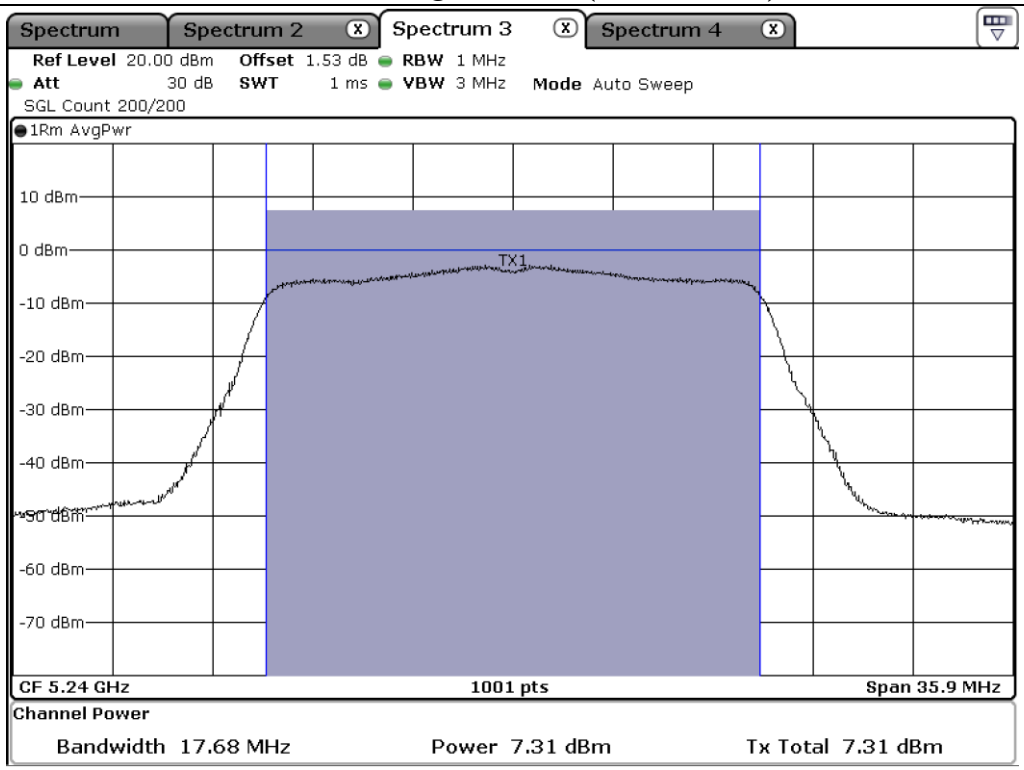


Low Channel @ 5 180 MHz (99% Bandwidth)

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

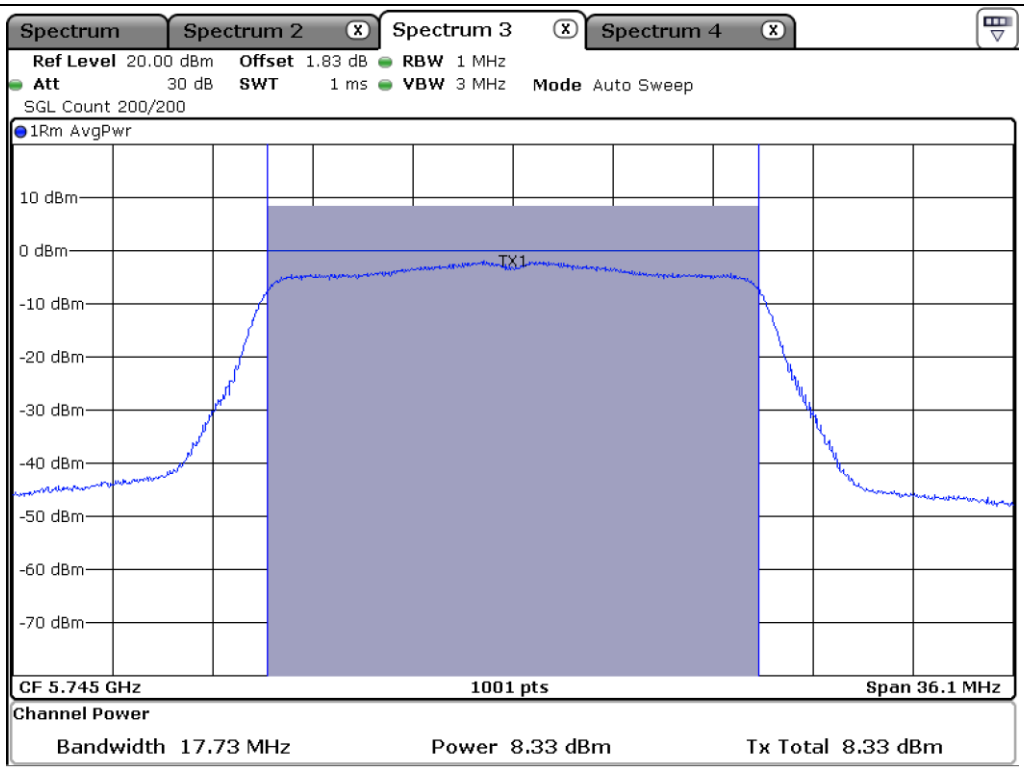


Middle Channel @ 5 220 MHz (99% Bandwidth)

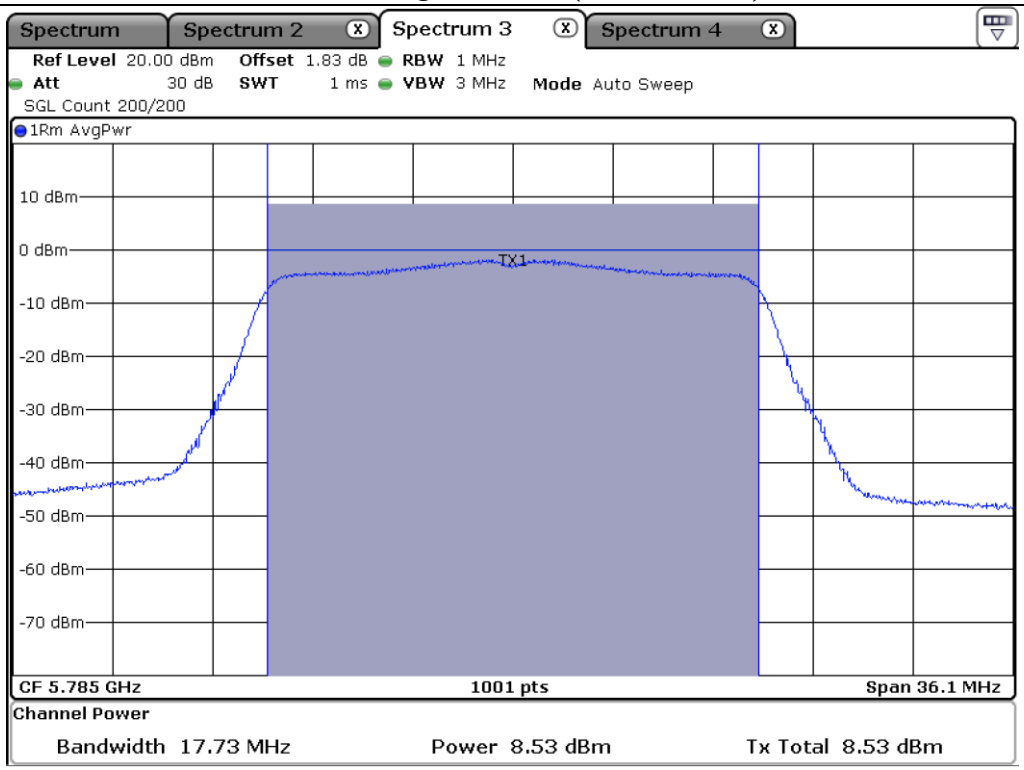


High Channel @ 5 240 MHz (99% Bandwidth)

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

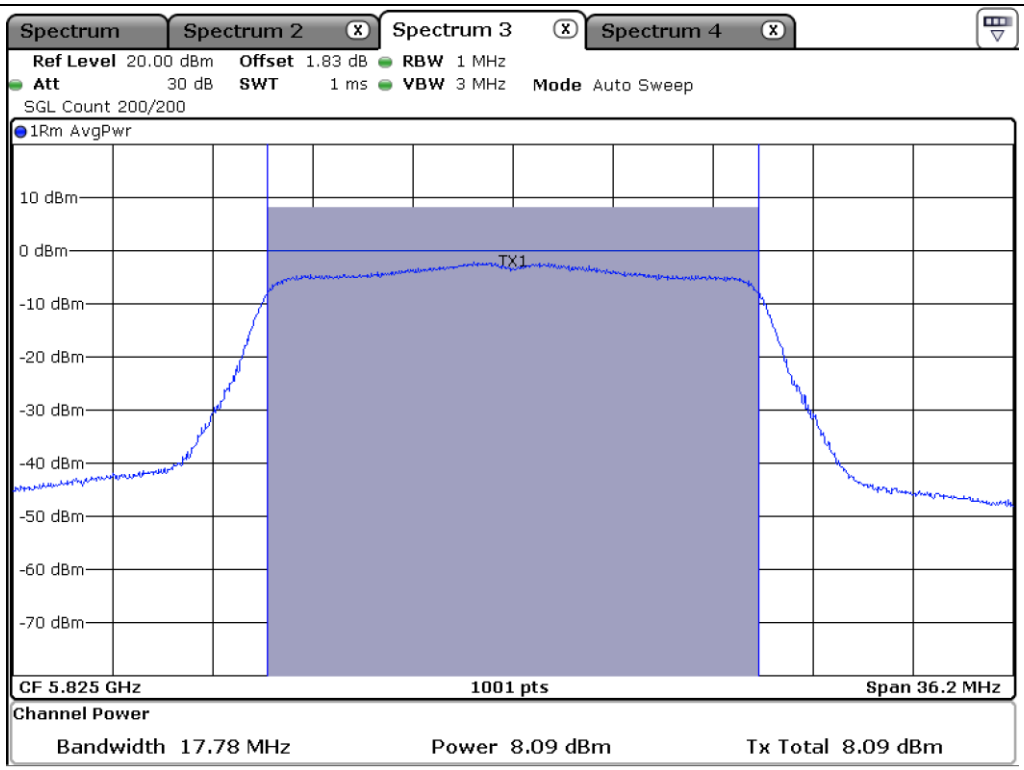


Low Channel @ 5 745 MHz (99% Bandwidth)



Middle Channel @ 5 785 MHz (99% Bandwidth)

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 (99% Bandwidth)

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 Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 180.00	9.84	23.97	14.13
	Middle	5 220.00	9.50	23.97	14.47
	High	5 240.00	9.74	23.97	14.23
5 725 ~ 5 850	Low	5 745.00	10.47	30.00	19.53
	Middle	5 785.00	10.57	30.00	19.43
	High	5 825.00	10.41	30.00	19.59

Remark 1 : Margin = Limit – Result Value (Measured value + Duty Factor)

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

9.7 Test data for 802.11n_HT40 RLAN Mode

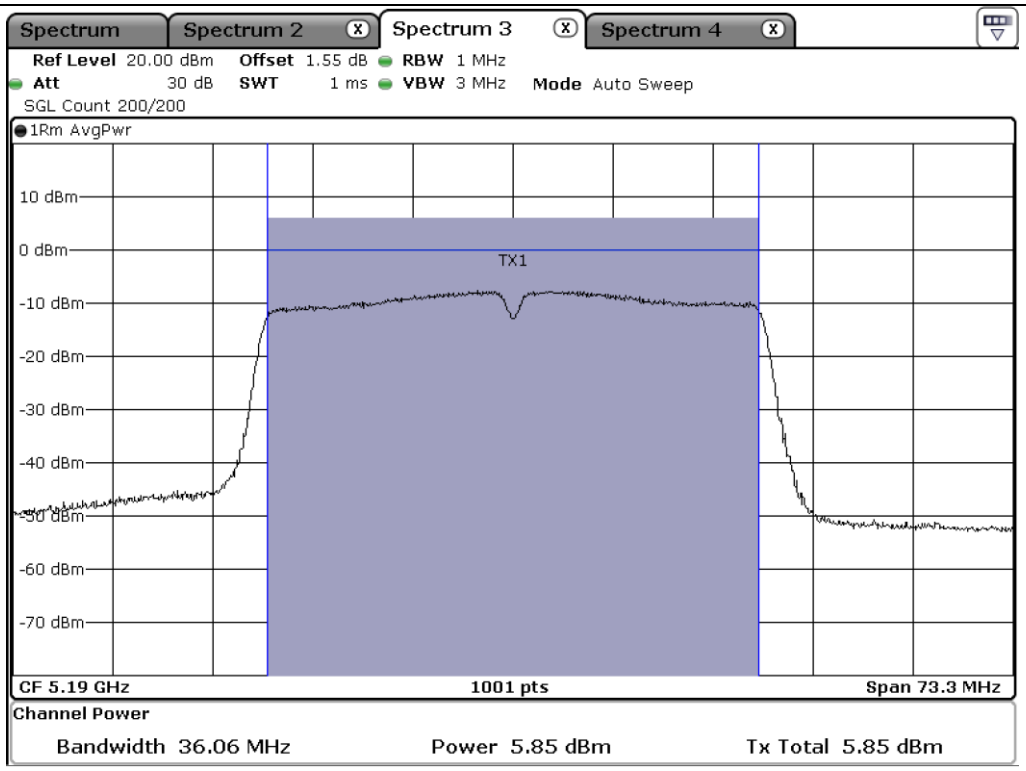
9.7.1 Test data for Antenna 0

-. Test Result : Pass

-. Duty Cycle : 73.91 % (UNII 1) / 73.91 % (UNII 3)

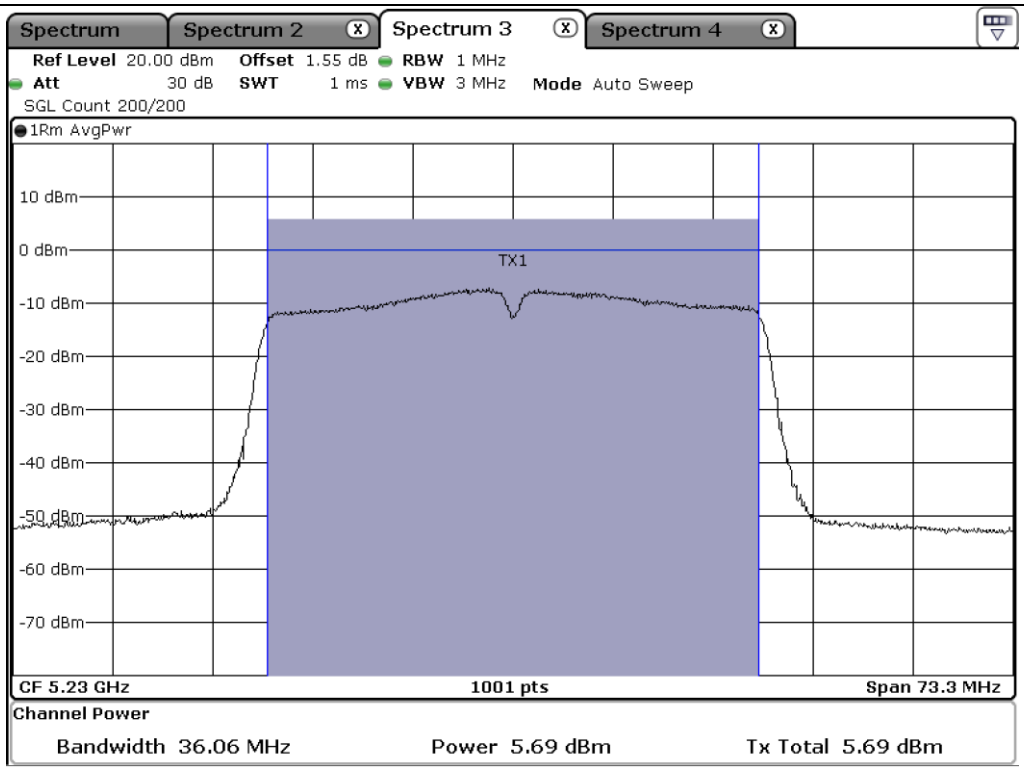
Frequency Range (MHz)	Channel	Frequency (MHz)	99% Band Width	Measured Value (dBm)	DUTY Factor (dB)	Result (dBm)	Linit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 190.00	36.06	5.85	1.31	7.16	23.97	16.81
	High	5 230.00	36.06	5.69	1.31	7.00	23.97	16.97
5 725 ~ 5 850	Low	5 755.00	36.16	8.74	1.31	10.05	30.00	19.95
	High	5 795.00	36.16	8.19	1.31	9.50	30.00	20.50

Remark : Margin = Limit – Result Value (Measured value + Duty Factor)

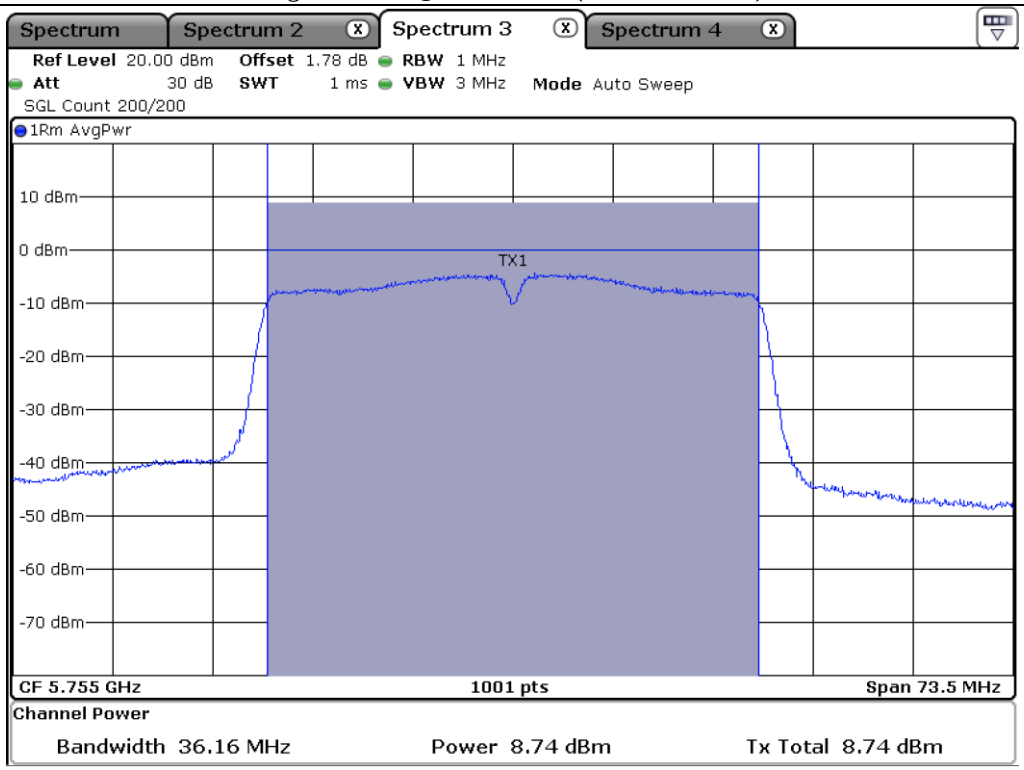


Low Channel @ 5 190 MHz (99% Bandwidth)

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

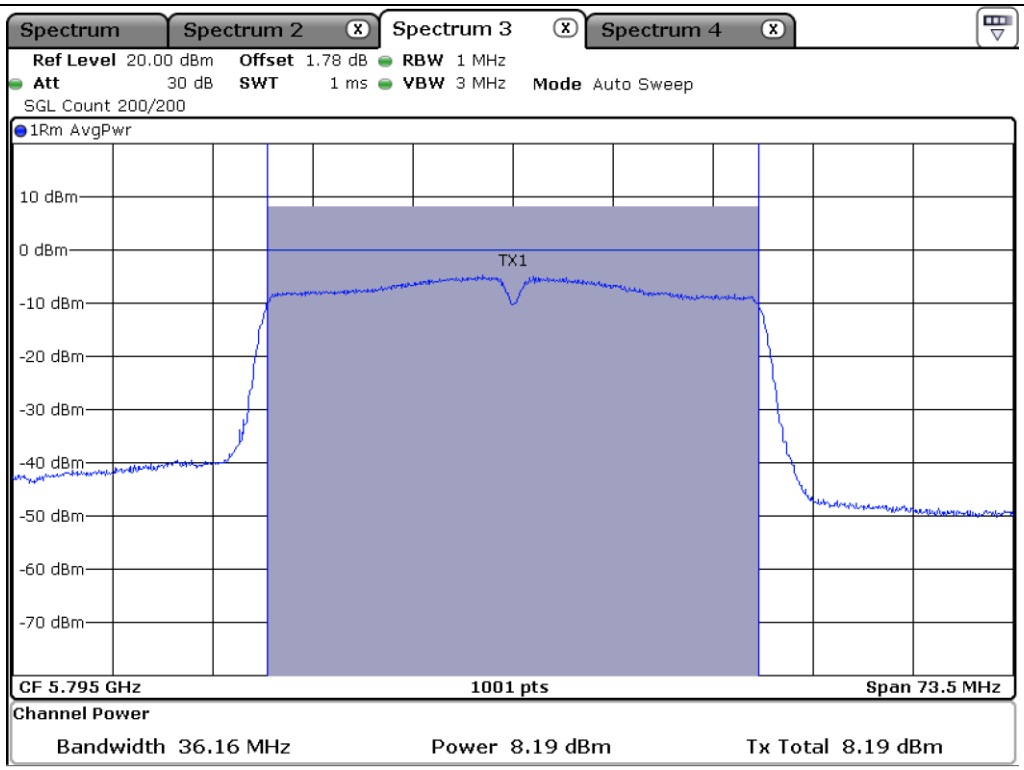


High Channel @ 5 230 MHz (99% Bandwidth)



Low Channel @ 5 755 MHz (99% Bandwidth)

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 @ 5 795 MHz (99% Bandwidth)

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

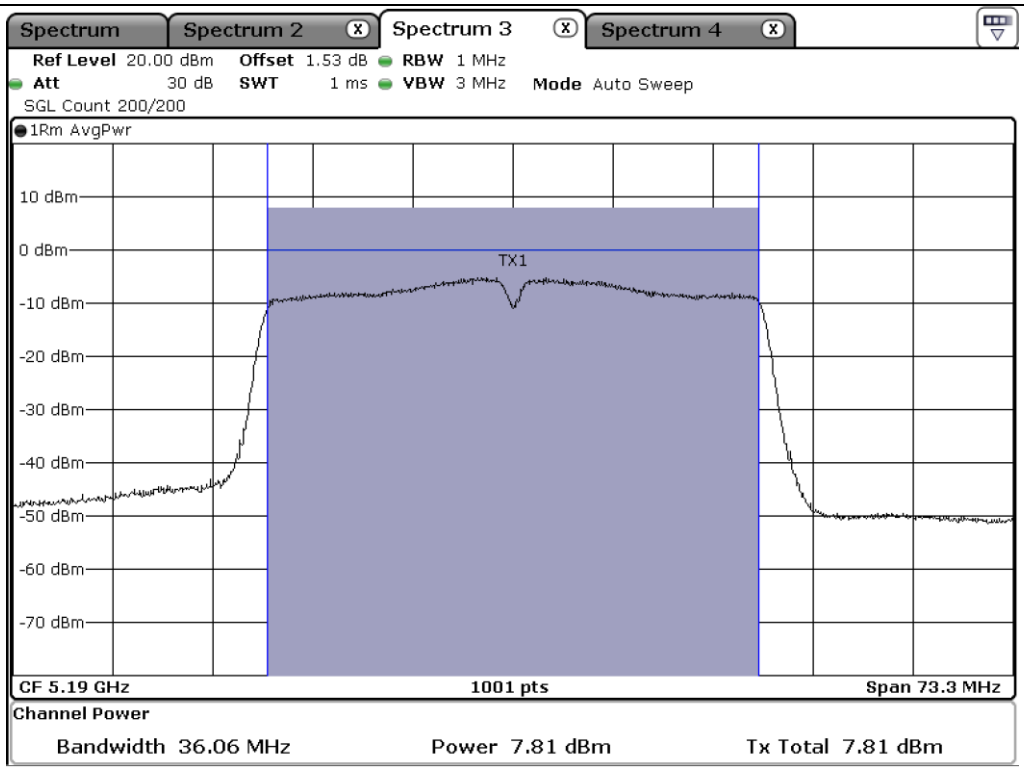
9.7.2 Test data for Antenna 1

-. Test Result : Pass

-. Duty Cycle : 71.74 % (UNII 1) / 71.74 % (UNII 3)

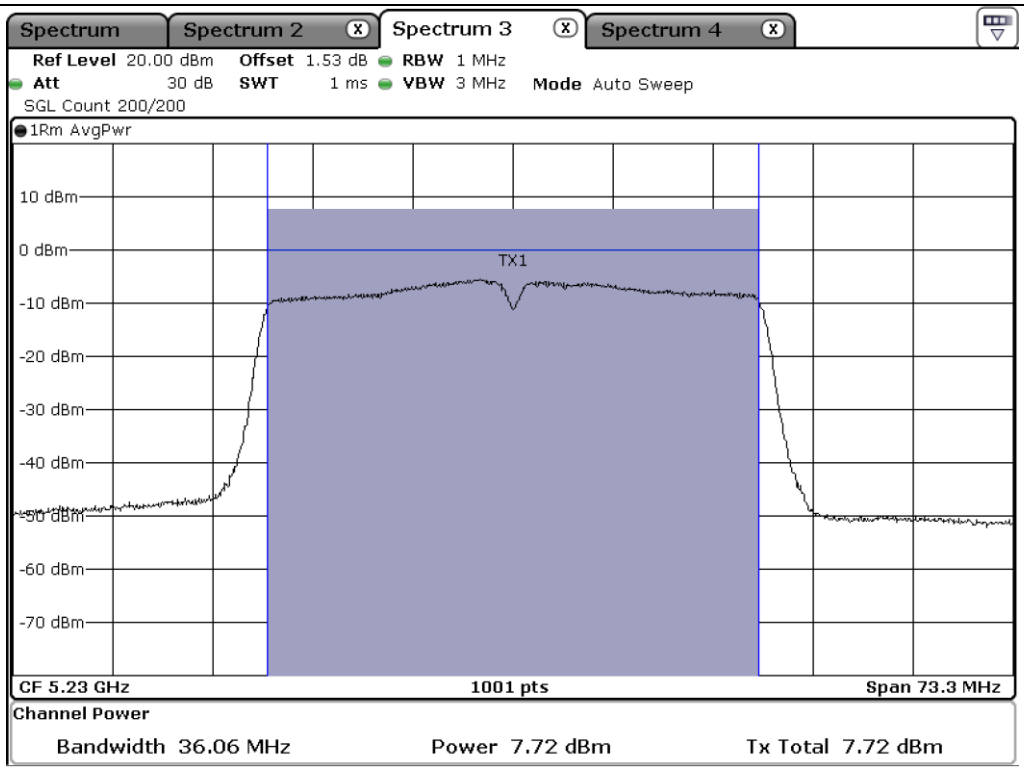
Frequency Range (MHz)	Channel	Frequency (MHz)	99% Band Width	Measured Value (dBm)	DUTY Factor (dB)	Result (dBm)	Linit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 190.00	36.06	7.81	1.44	9.25	23.97	14.72
	High	5 230.00	36.06	7.72	1.44	9.16	23.97	14.81
5 725 ~ 5 850	Low	5 755.00	36.16	10.42	1.44	11.86	30.00	18.14
	High	5 795.00	36.26	10.47	1.44	11.91	30.00	18.09

Remark : Margin = Limit – Result Value (Measured value + Duty Factor)

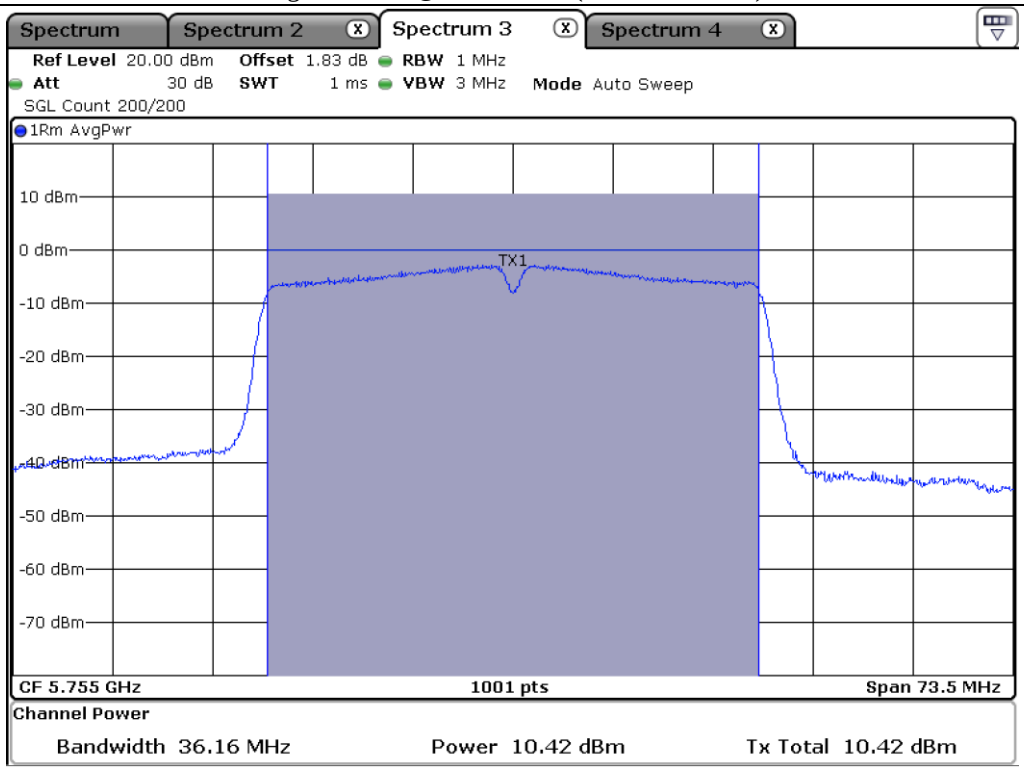


Low Channel @ 5 190 MHz (99% Bandwidth)

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

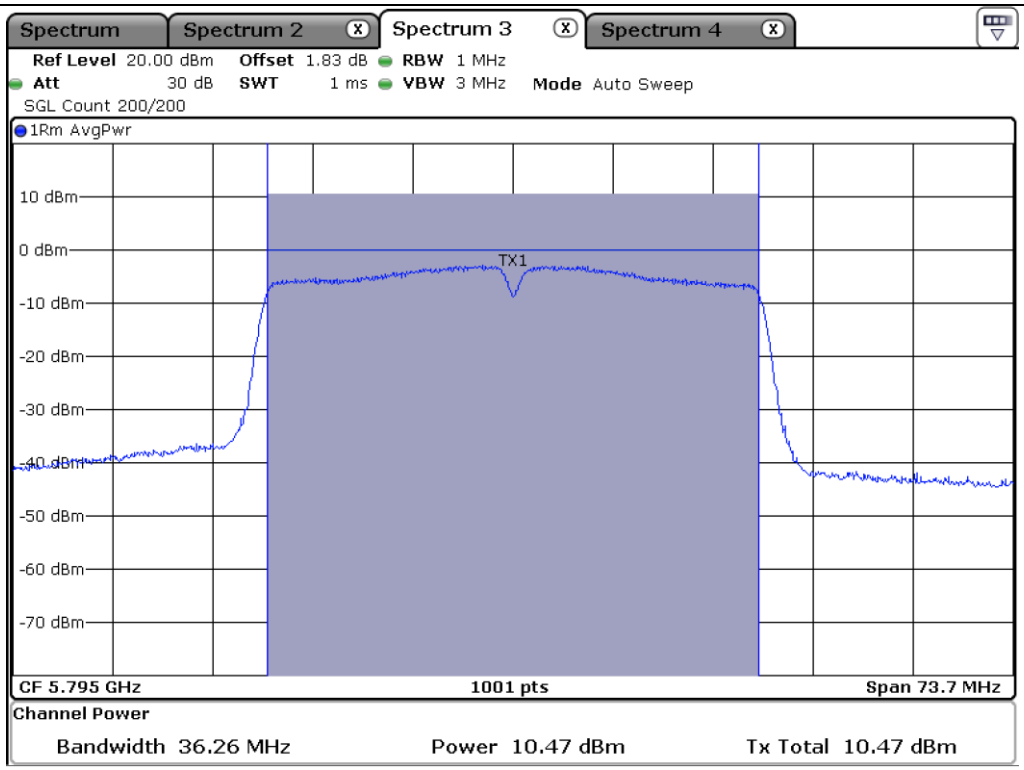


High Channel @ 5 230 MHz (99% Bandwidth)



Low Channel @ 5 755 MHz (99% Bandwidth)

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 @ 5 795 MHz (99% Bandwidth)

9.7.3 Test data for Multiple Transmit

-. Test Result : Pass

Frequency Range (MHz)	Channel	Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
5 150 ~ 5 250	Low	5 190.00	11.34	23.97	12.63
	High	5 230.00	11.22	23.97	12.75
5 725 ~ 5 850	Low	5 755.00	14.06	30.00	15.94
	High	5 795.00	13.88	30.00	16.12

Remark 1 : Margin = Limit – Result Value (Measured value + Duty Factor)

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

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