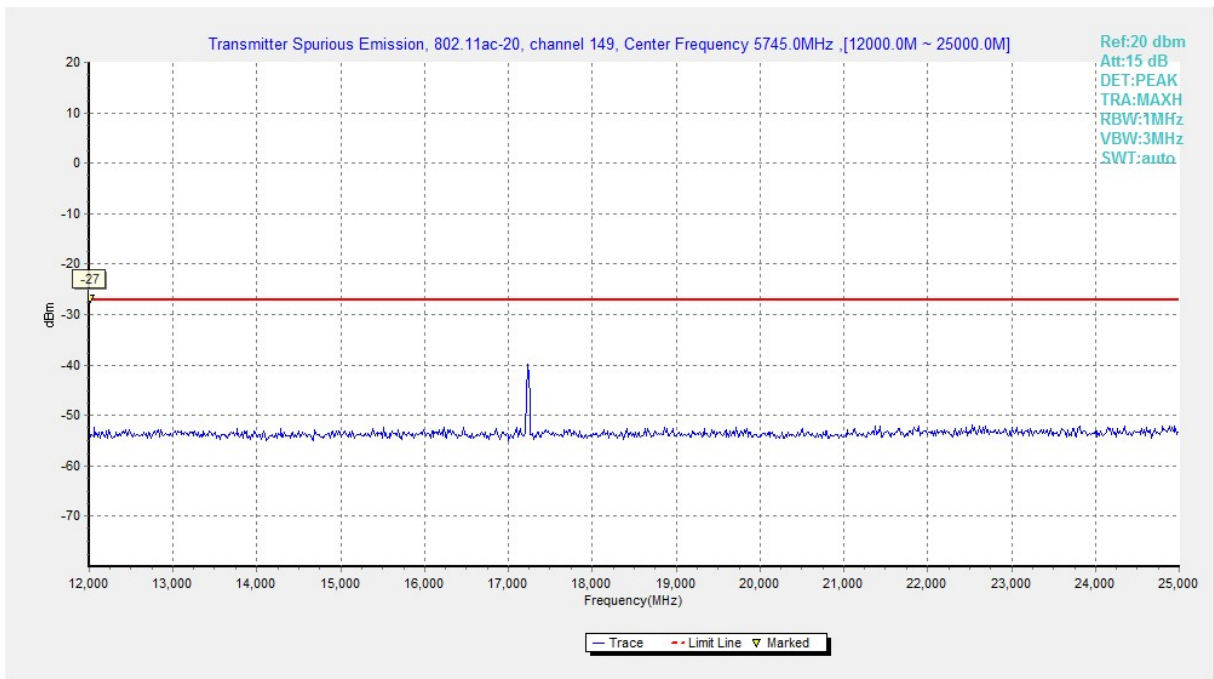
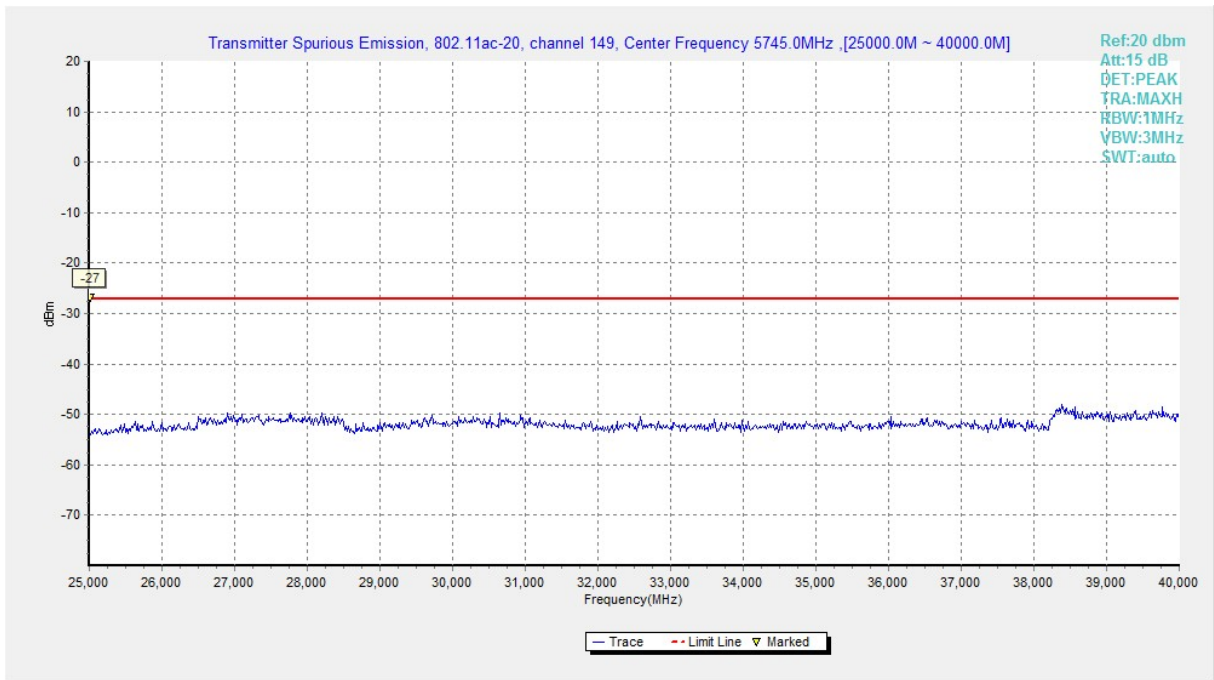


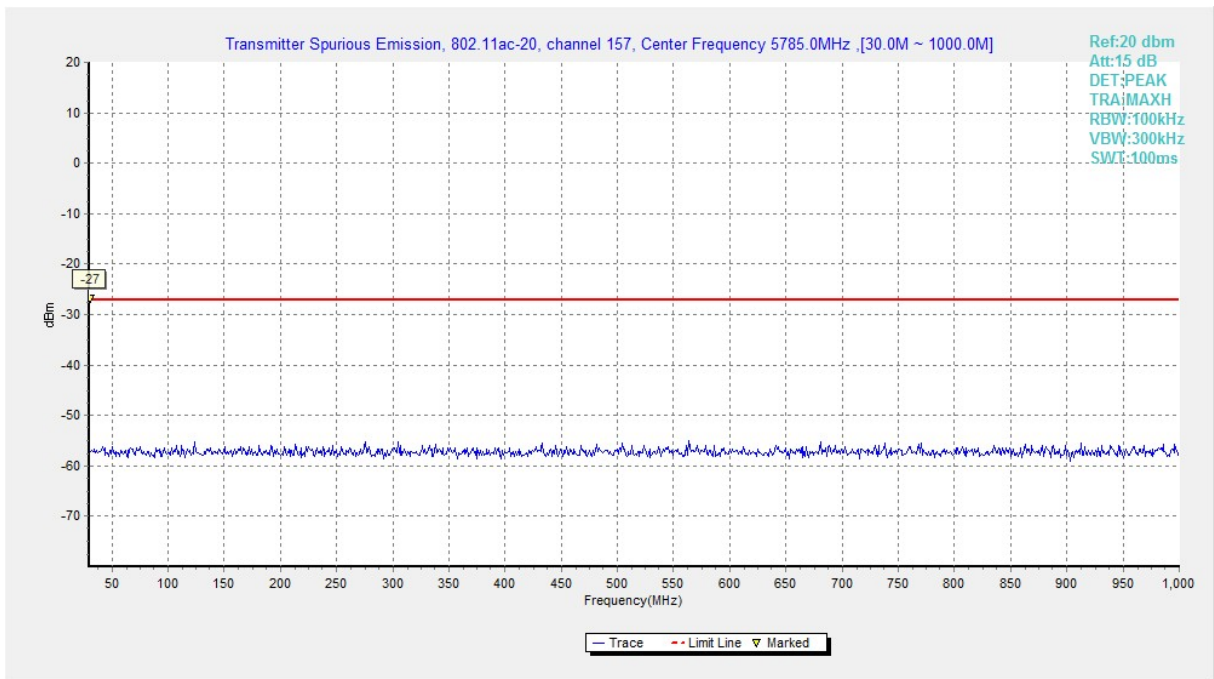
**Fig. 40 Conducted Spurious Emission (802.11ac-HT20, Ch149, 1 GHz -12 GHz)**



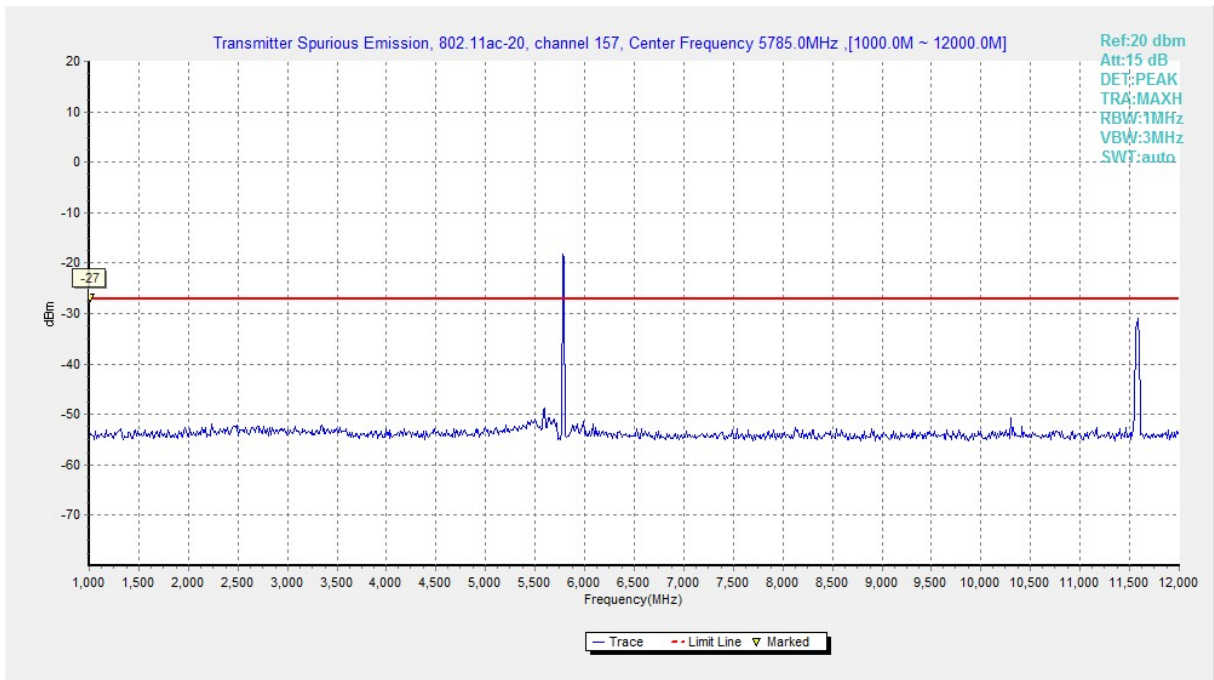
**Fig. 41 Conducted Spurious Emission (802.11ac-HT20, Ch149, 12 GHz-25 GHz)**



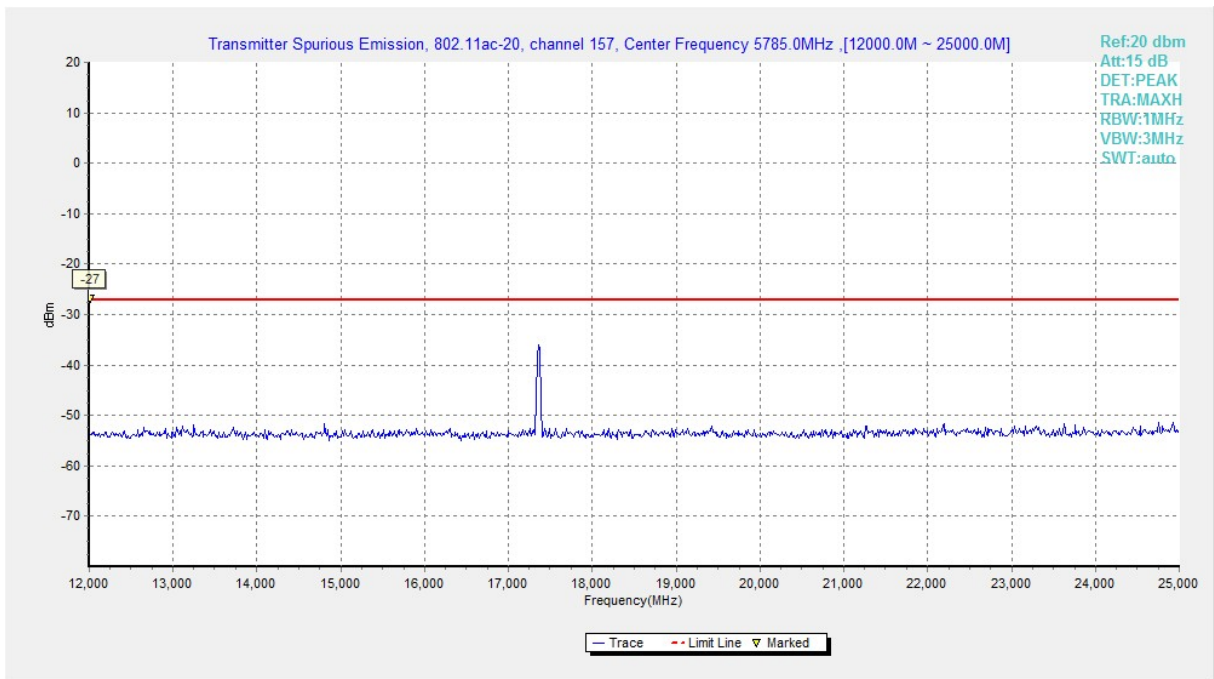
**Fig. 42 Conducted Spurious Emission (802.11ac-HT20, Ch149, 25 GHz-40 GHz)**



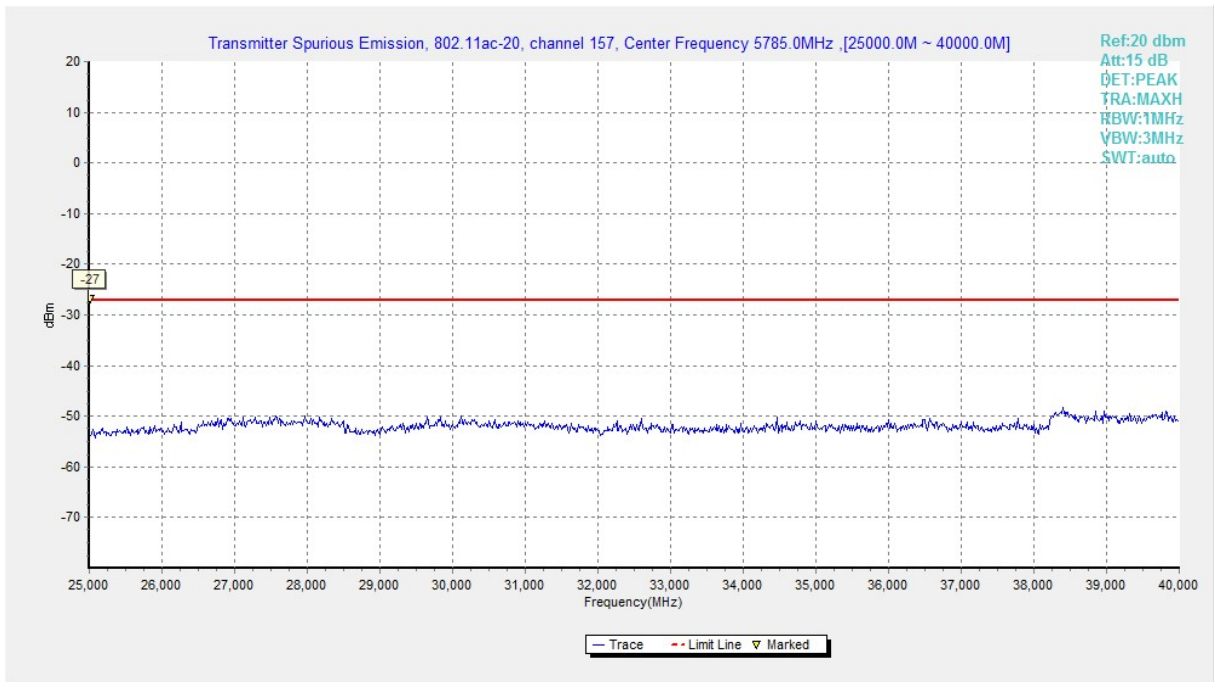
**Fig. 43 Conducted Spurious Emission (802.11ac-HT20, Ch157, 30 MHz-1 GHz)**



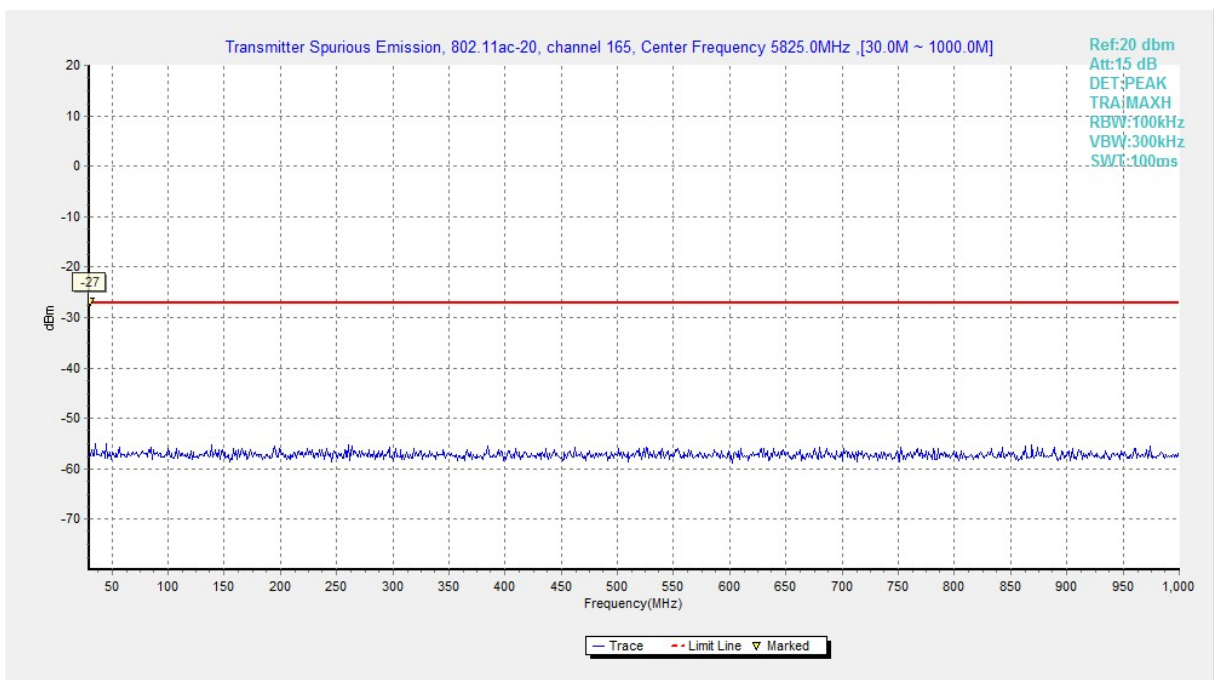
**Fig. 44 Conducted Spurious Emission (802.11ac-HT20, Ch157, 1 GHz -12 GHz)**



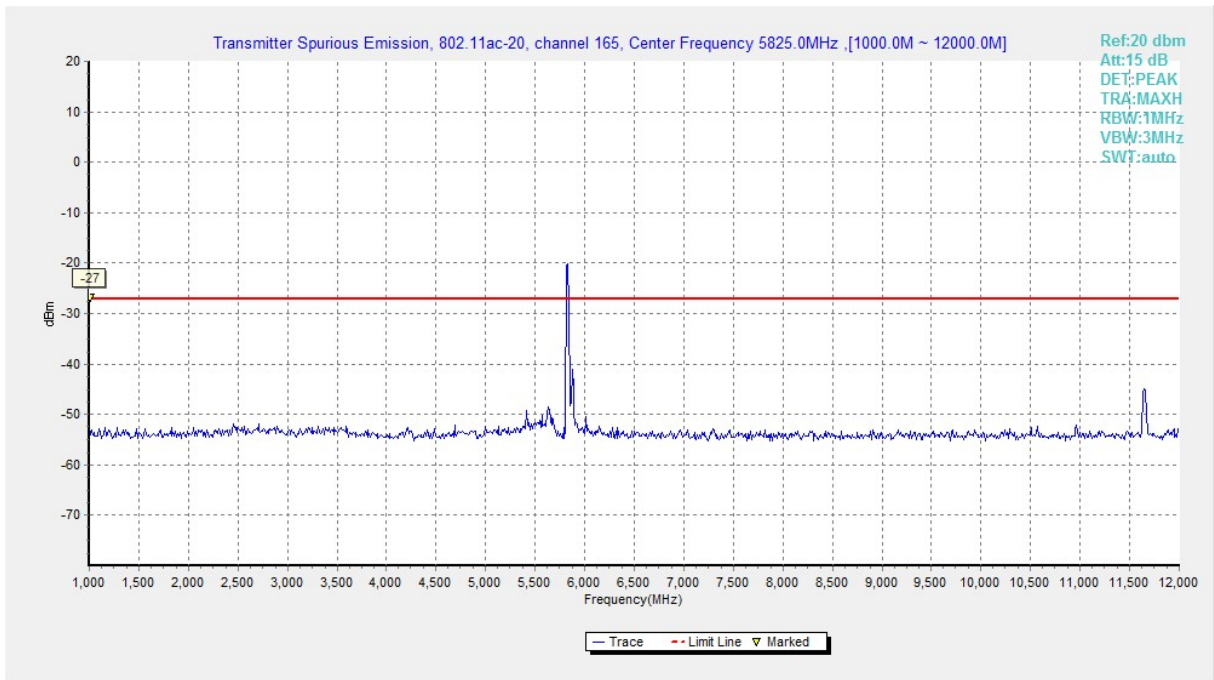
**Fig. 45 Conducted Spurious Emission (802.11ac-HT20, Ch157, 12 GHz-25 GHz)**



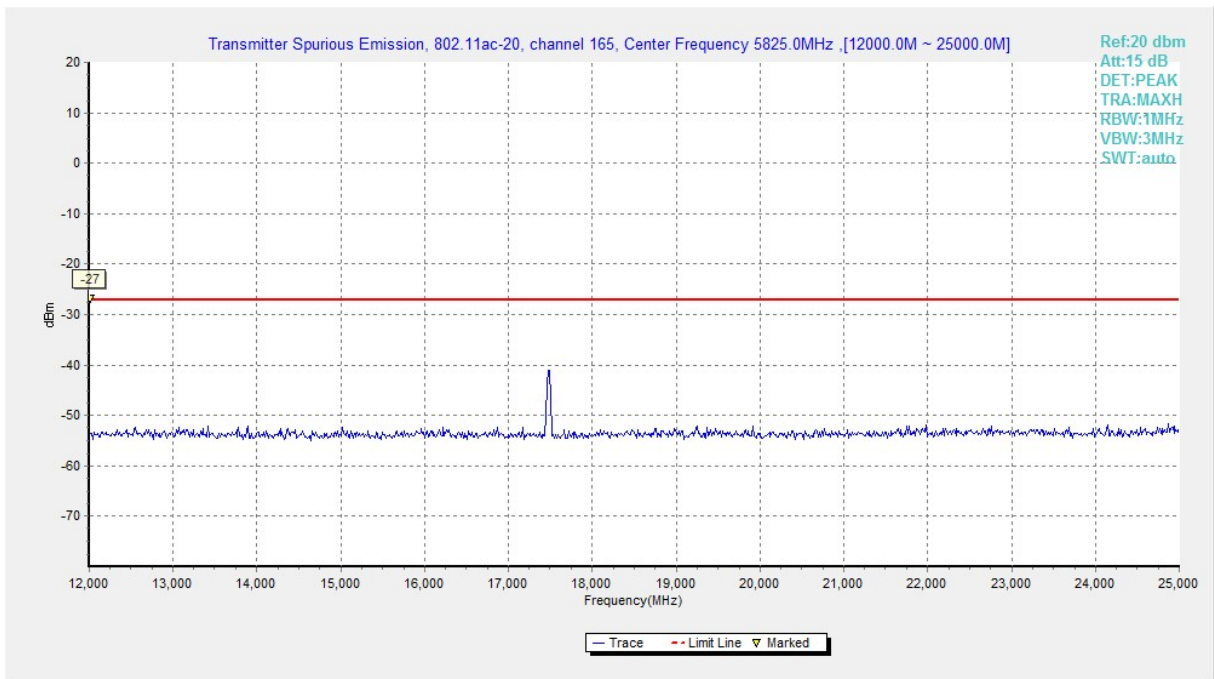
**Fig. 46 Conducted Spurious Emission (802.11ac-HT20, Ch157, 25 GHz-40 GHz)**



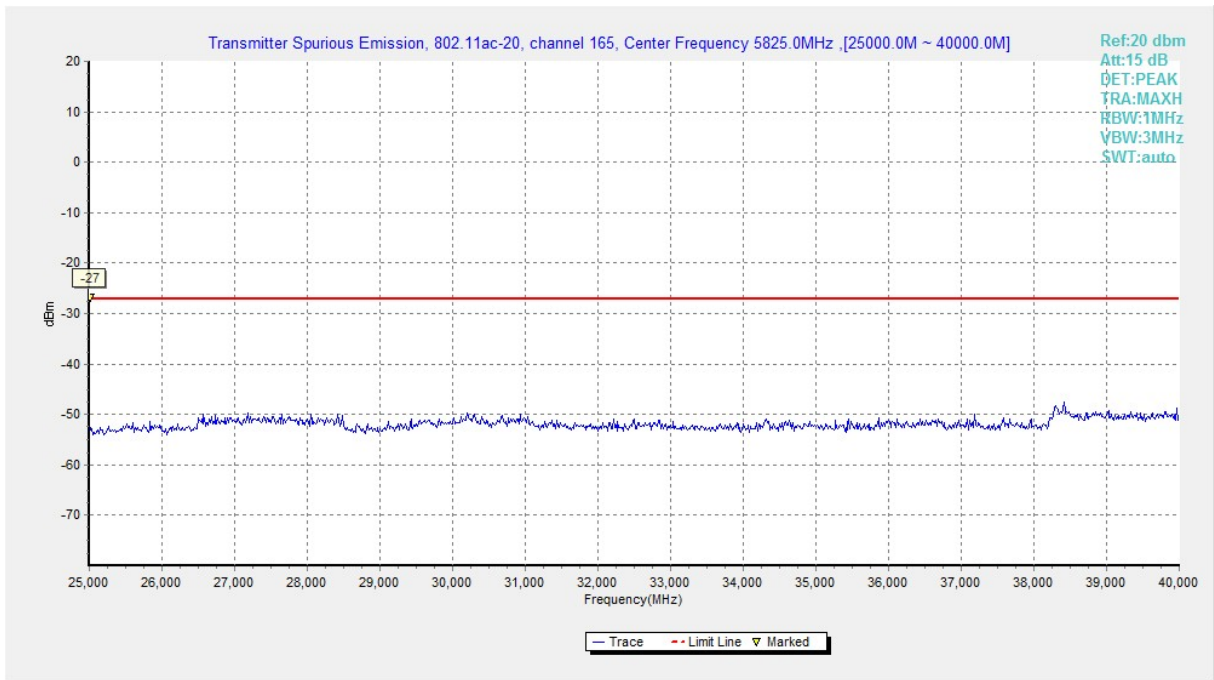
**Fig. 47 Conducted Spurious Emission (802.11ac-HT20, Ch165, 30 MHz-1 GHz)**



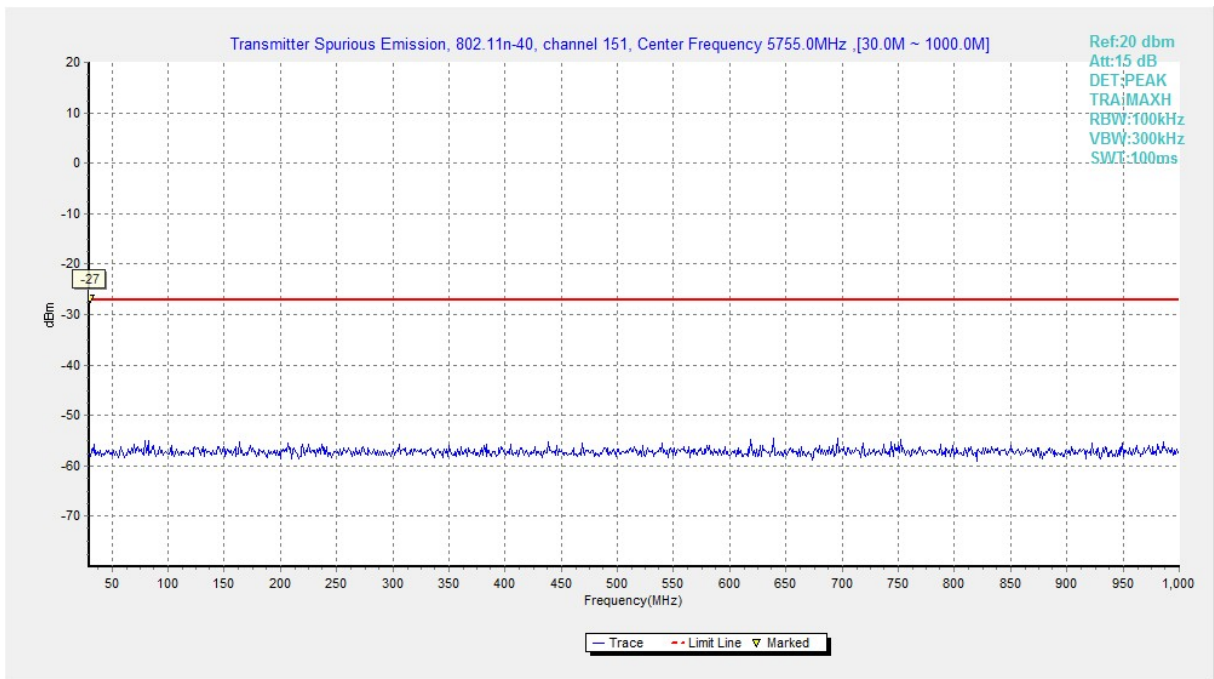
**Fig. 48 Conducted Spurious Emission (802.11ac-HT20, Ch165, 1 GHz -12 GHz)**



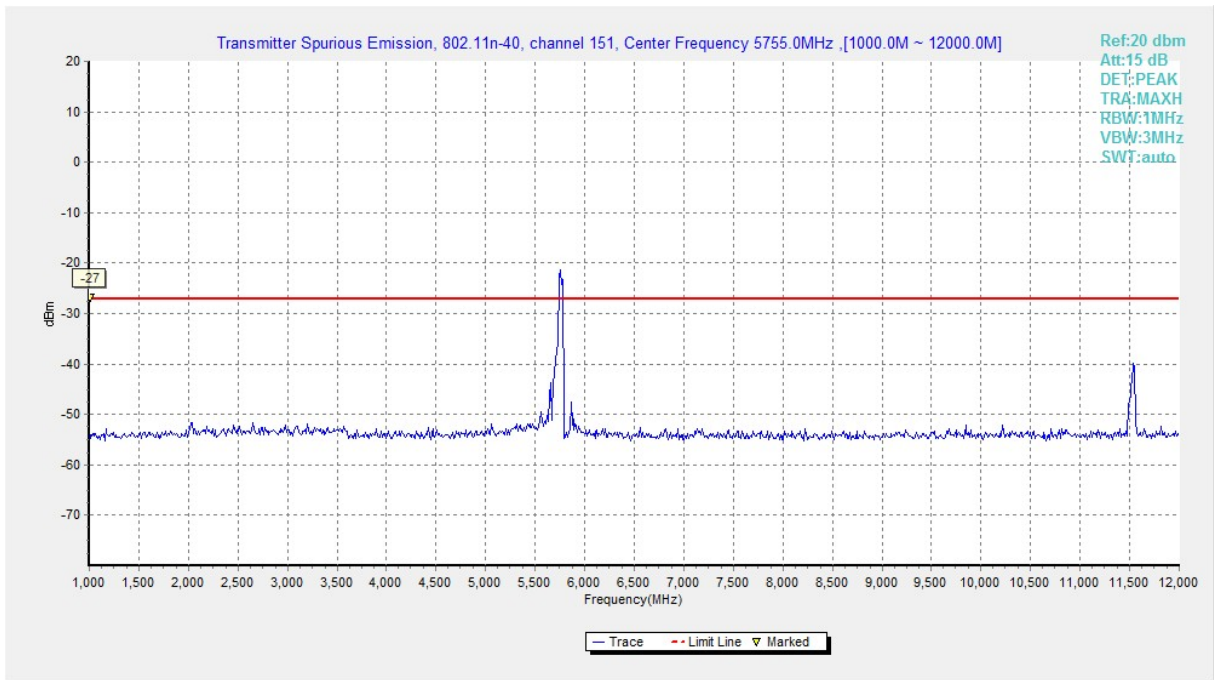
**Fig. 49 Conducted Spurious Emission (802.11ac-HT20, Ch165, 12 GHz-25 GHz)**



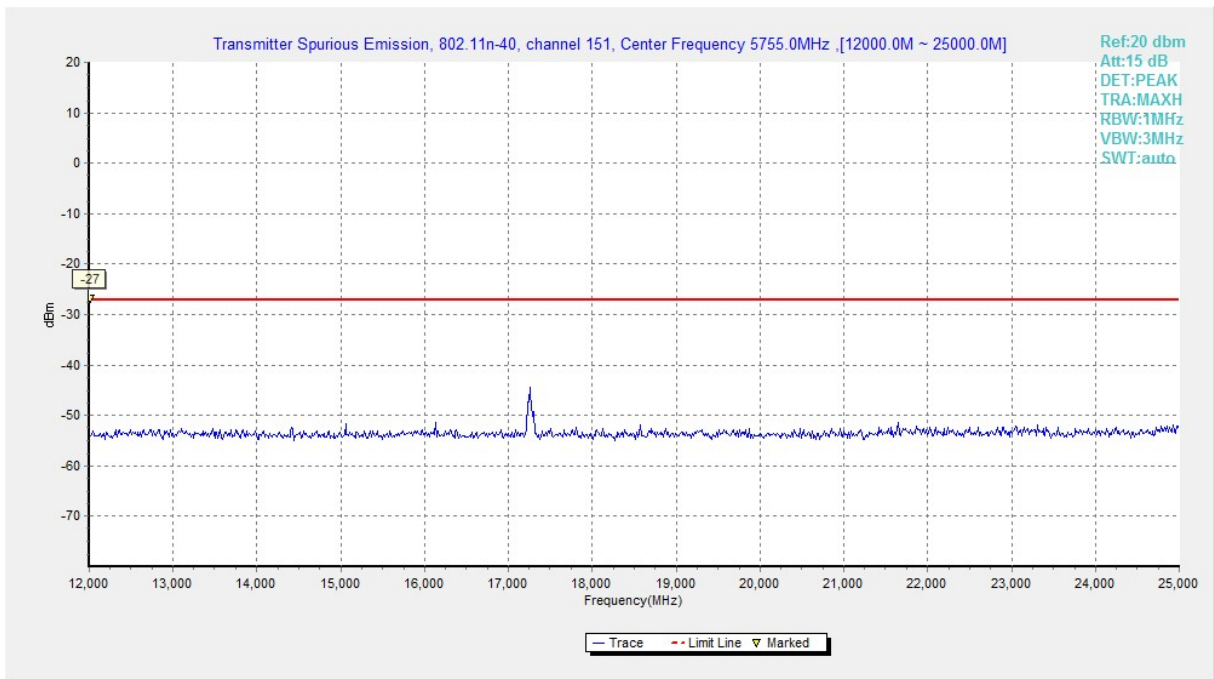
**Fig. 50 Conducted Spurious Emission (802.11ac-HT20, Ch165, 25 GHz-40 GHz)**



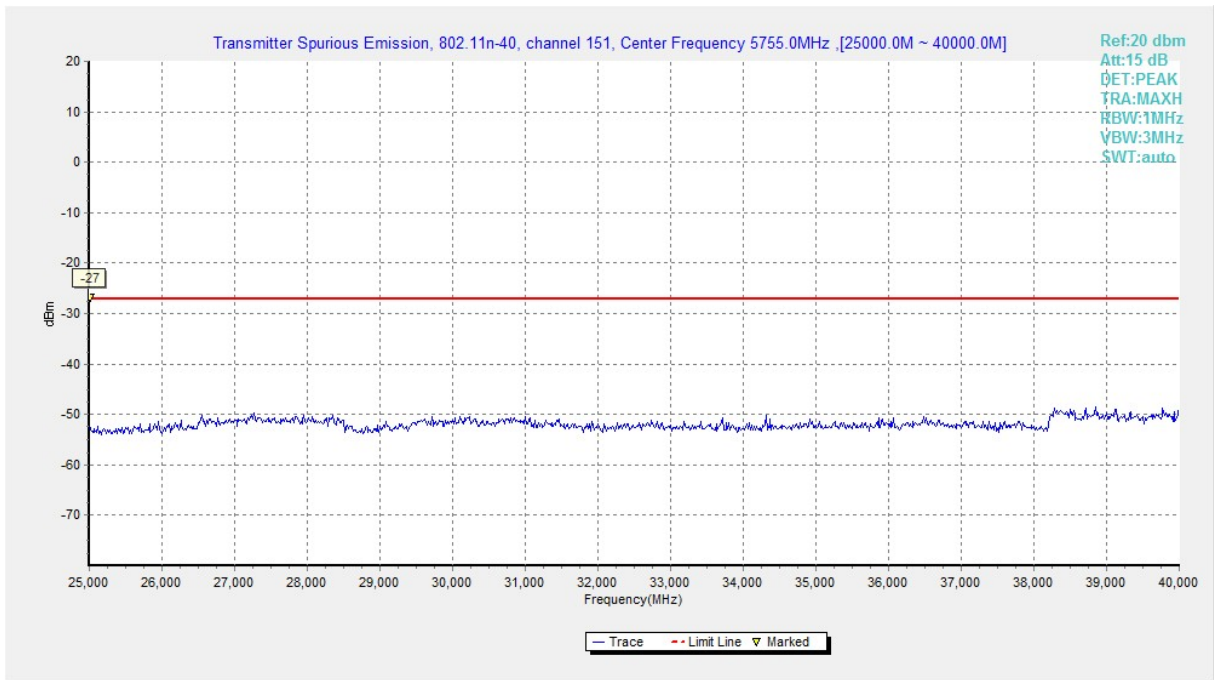
**Fig. 51 Conducted Spurious Emission (802.11n-HT40, Ch151, 30 MHz-1 GHz)**



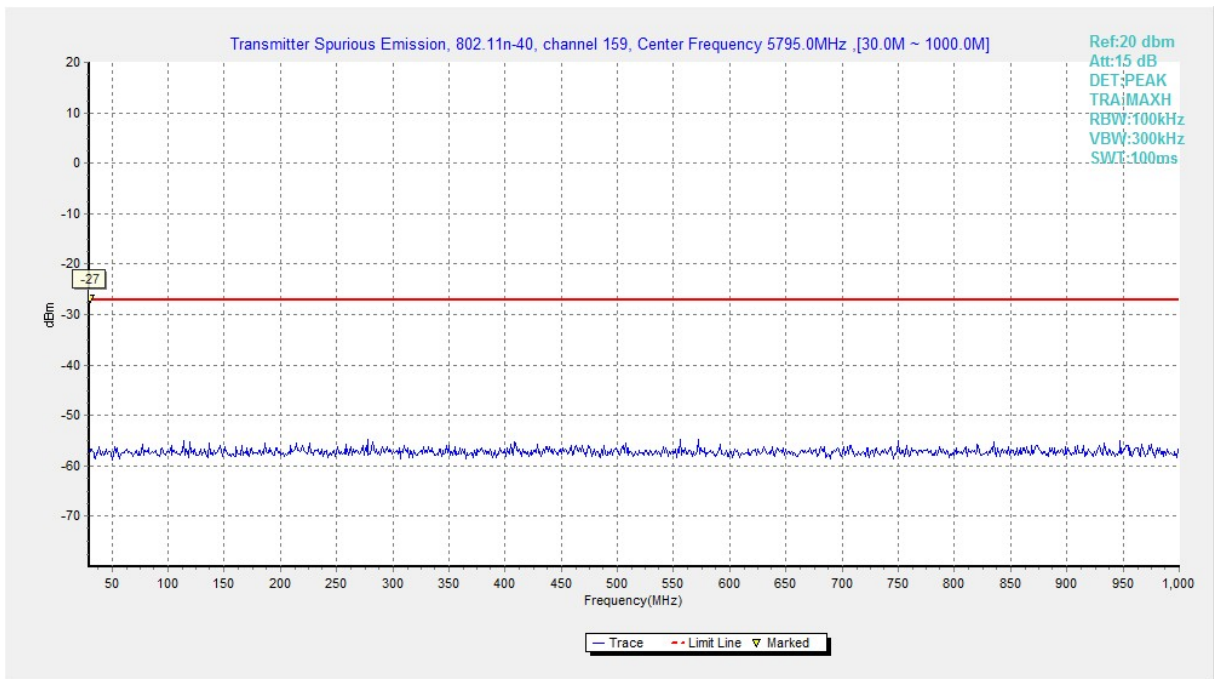
**Fig. 52 Conducted Spurious Emission (802.11n-HT40, Ch151, 1 GHz -12 GHz)**



**Fig. 53 Conducted Spurious Emission (802.11n-HT40, Ch151, 12 GHz-25 GHz)**

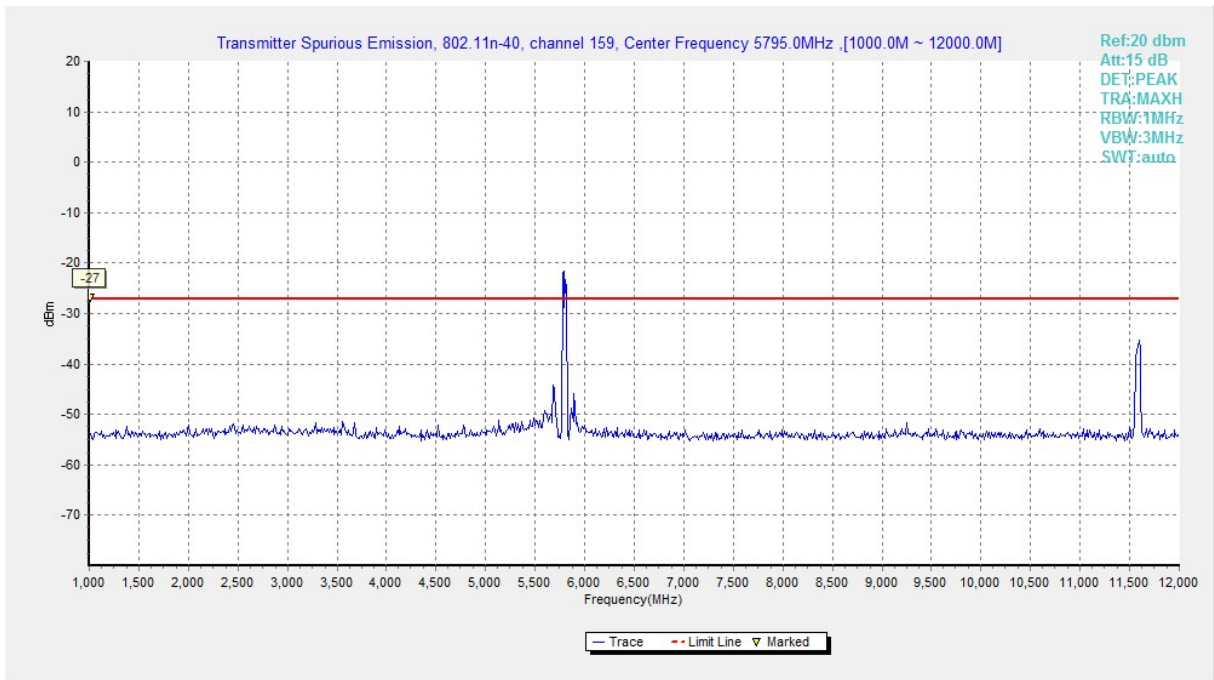


**Fig. 54 Conducted Spurious Emission (802.11n-HT40, Ch151, 25 GHz-40 GHz)**

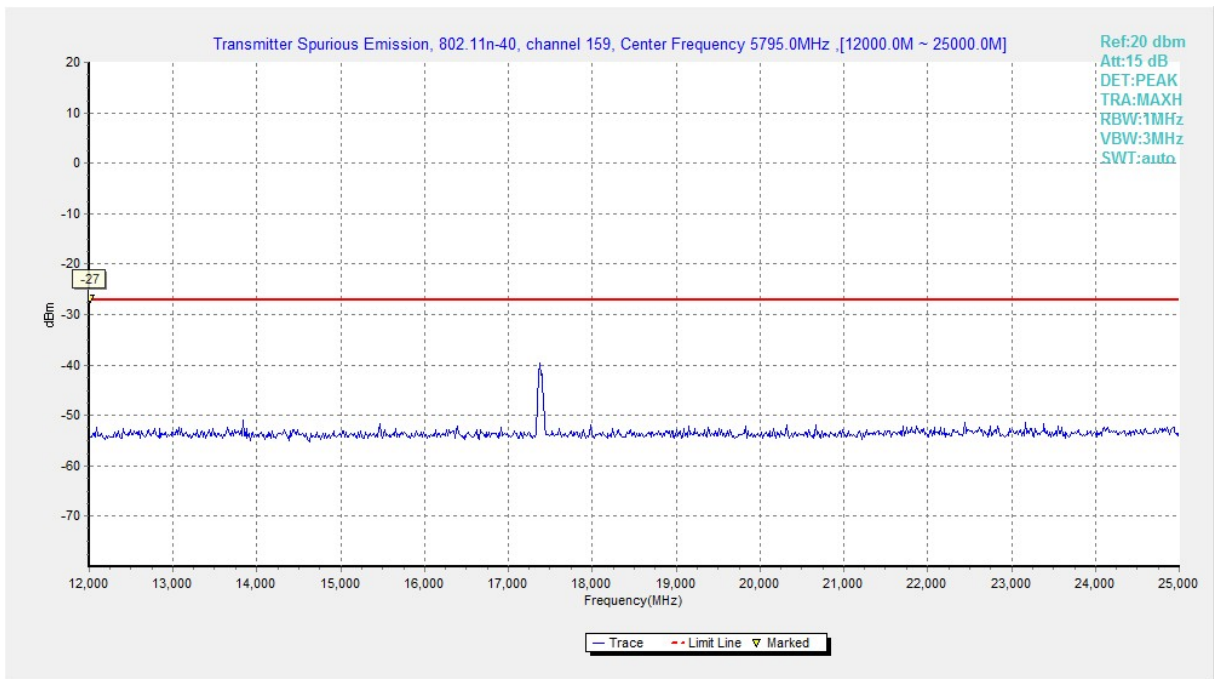


**Fig. 55 Conducted Spurious Emission (802.11n-HT40, Ch159, 30 MHz-1 GHz)**

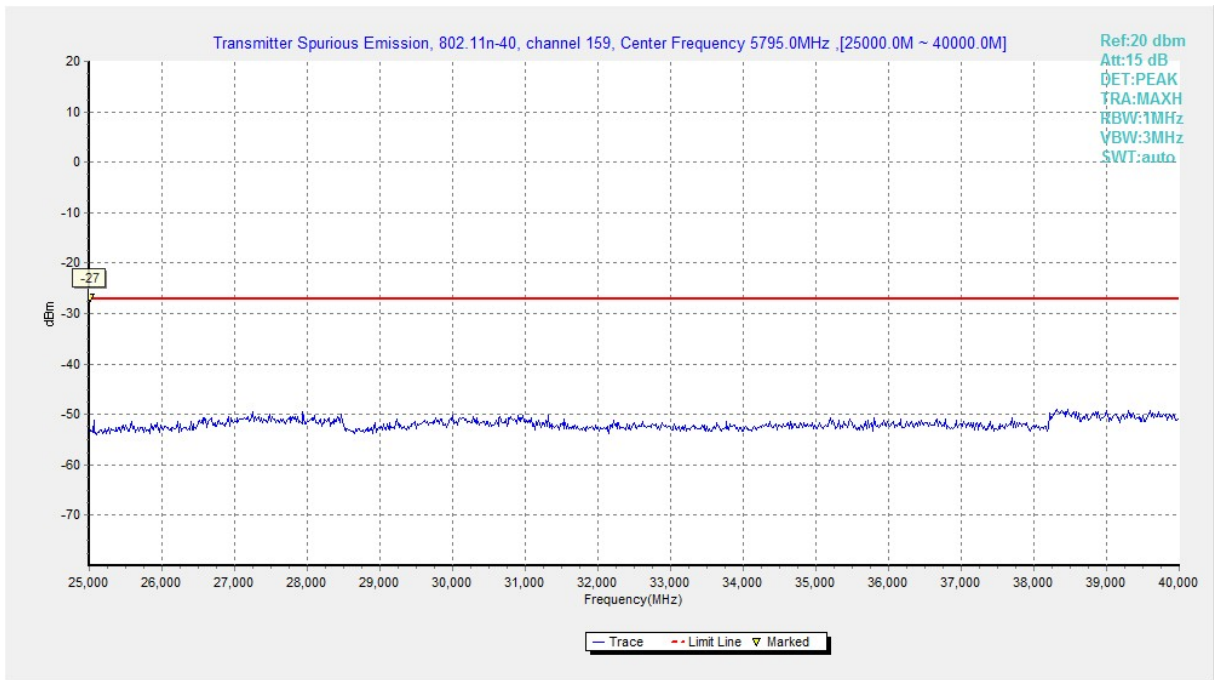




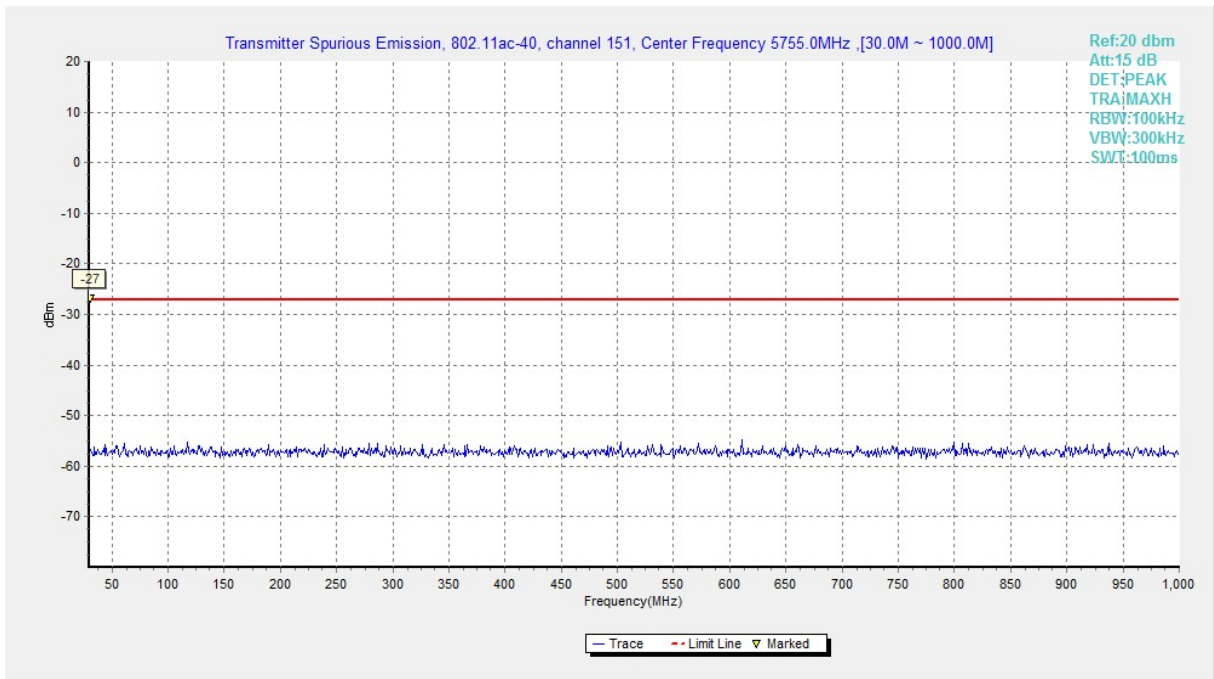
**Fig. 56 Conducted Spurious Emission (802.11n-HT40, Ch159, 1 GHz -12 GHz)**



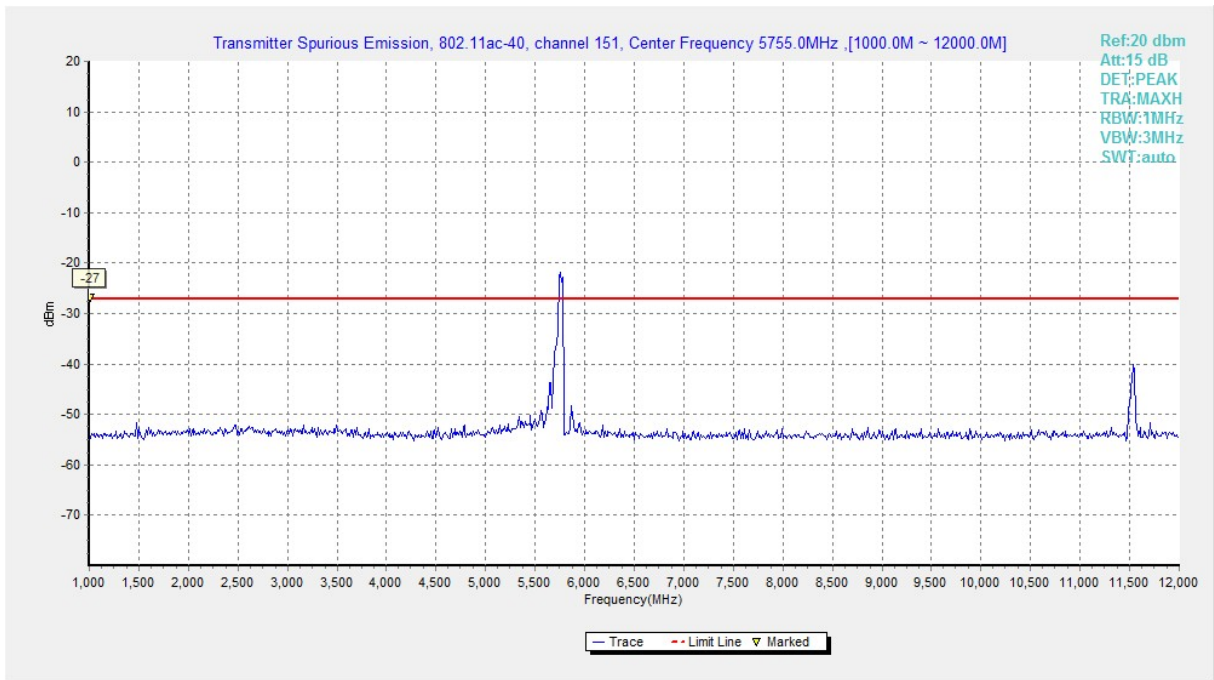
**Fig. 57 Conducted Spurious Emission (802.11n-HT40, Ch159, 12 GHz-25 GHz)**



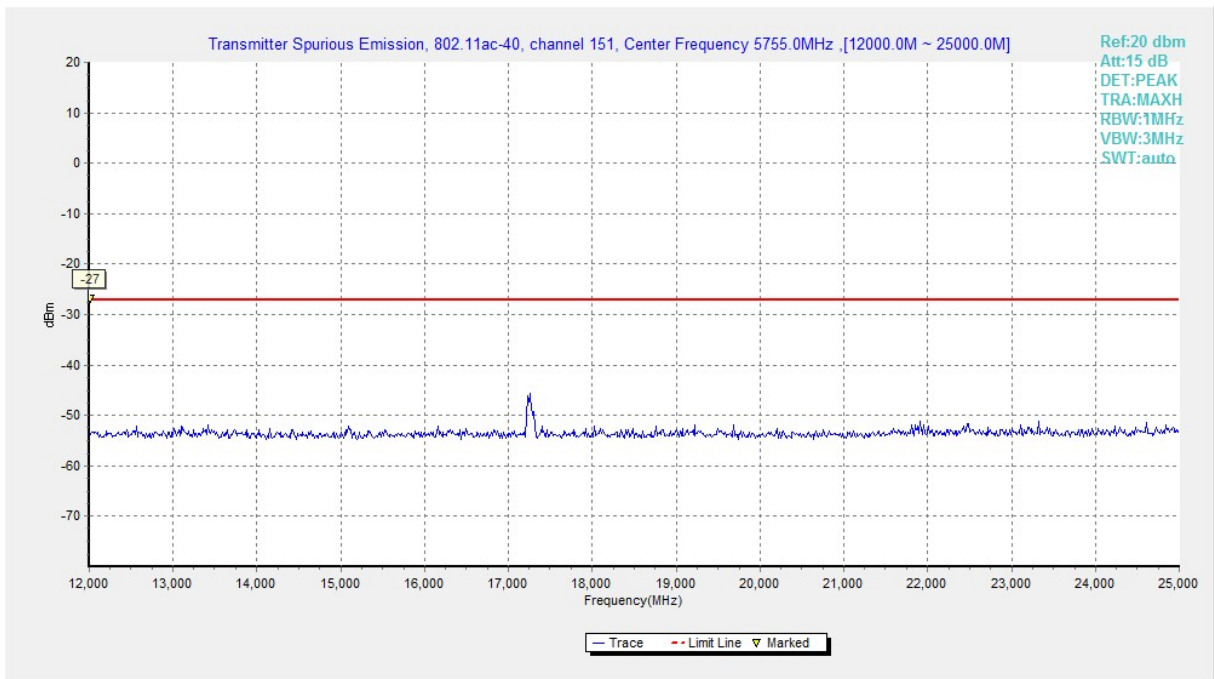
**Fig. 58 Conducted Spurious Emission (802.11n-HT40, Ch159, 25 GHz-40 GHz)**



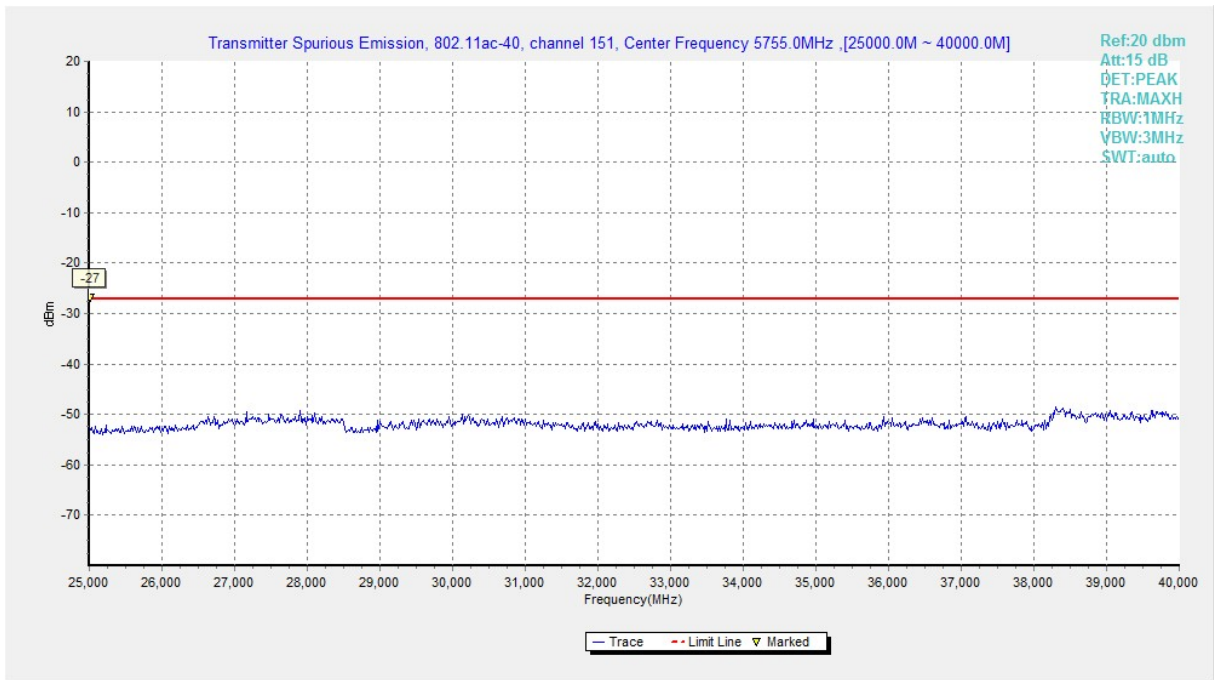
**Fig. 59 Conducted Spurious Emission (802.11ac-HT40, Ch151, 30 MHz-1 GHz)**



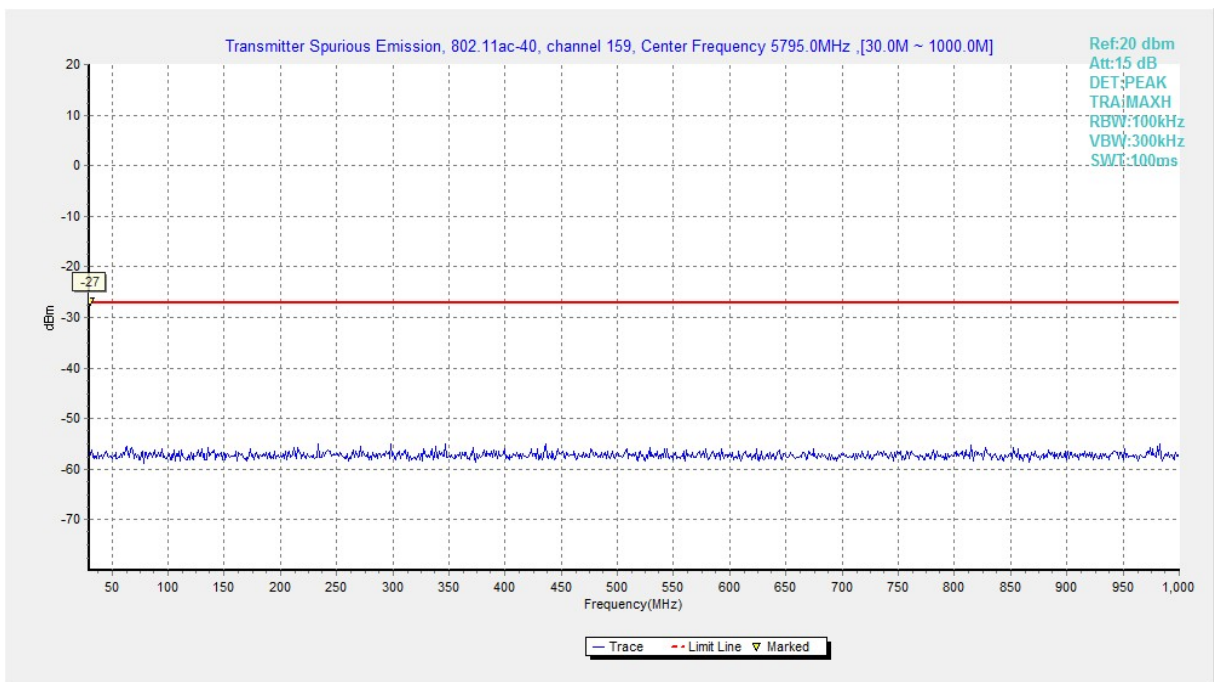
**Fig. 60 Conducted Spurious Emission (802.11ac-HT40, Ch151, 1 GHz -12 GHz)**



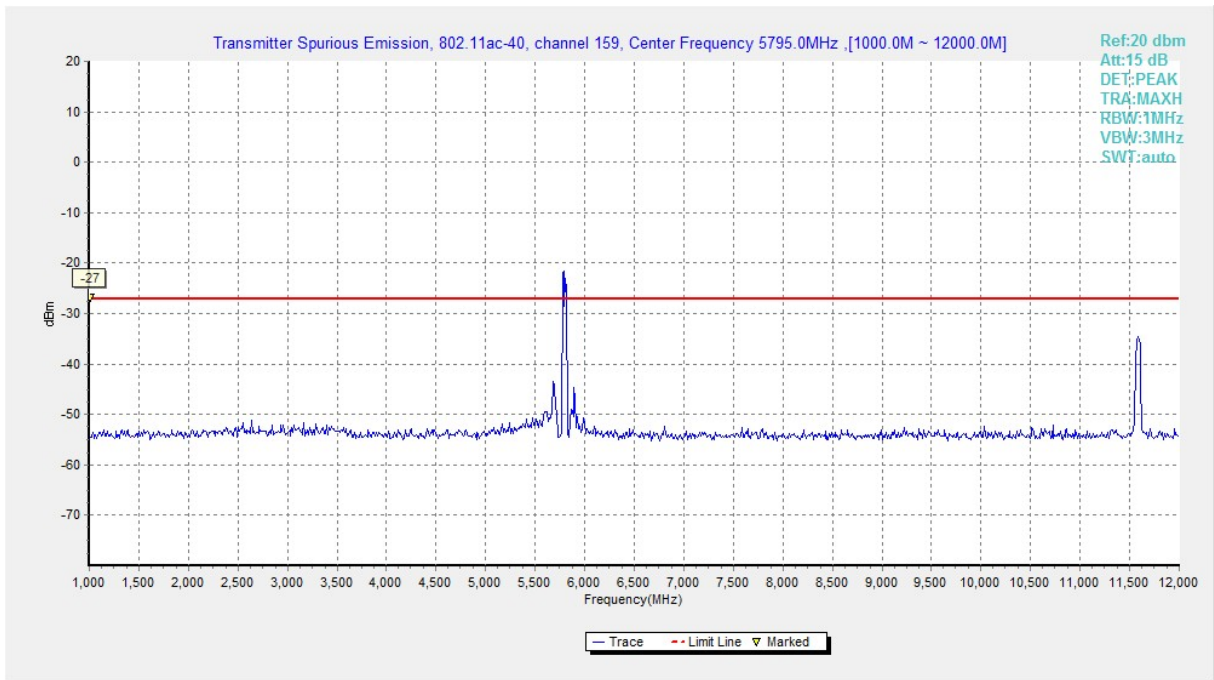
**Fig. 61 Conducted Spurious Emission (802.11ac-HT40, Ch151, 12 GHz-25 GHz)**



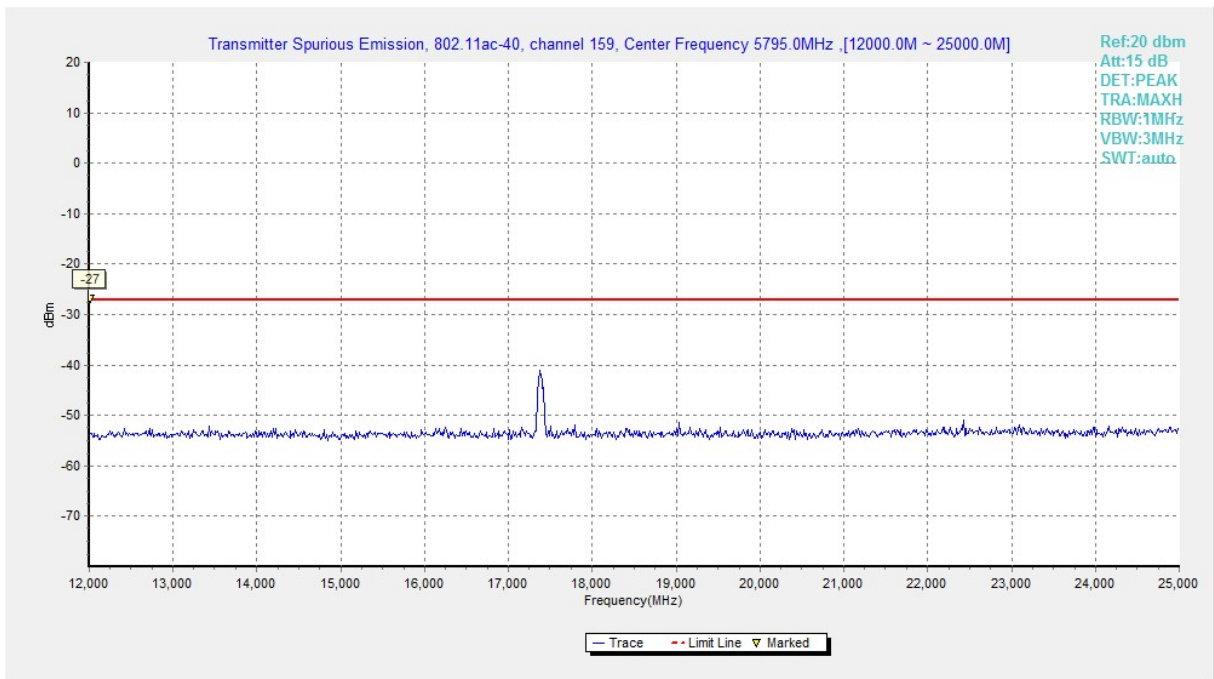
**Fig. 62 Conducted Spurious Emission (802.11ac-HT40, Ch151, 25 GHz-40 GHz)**



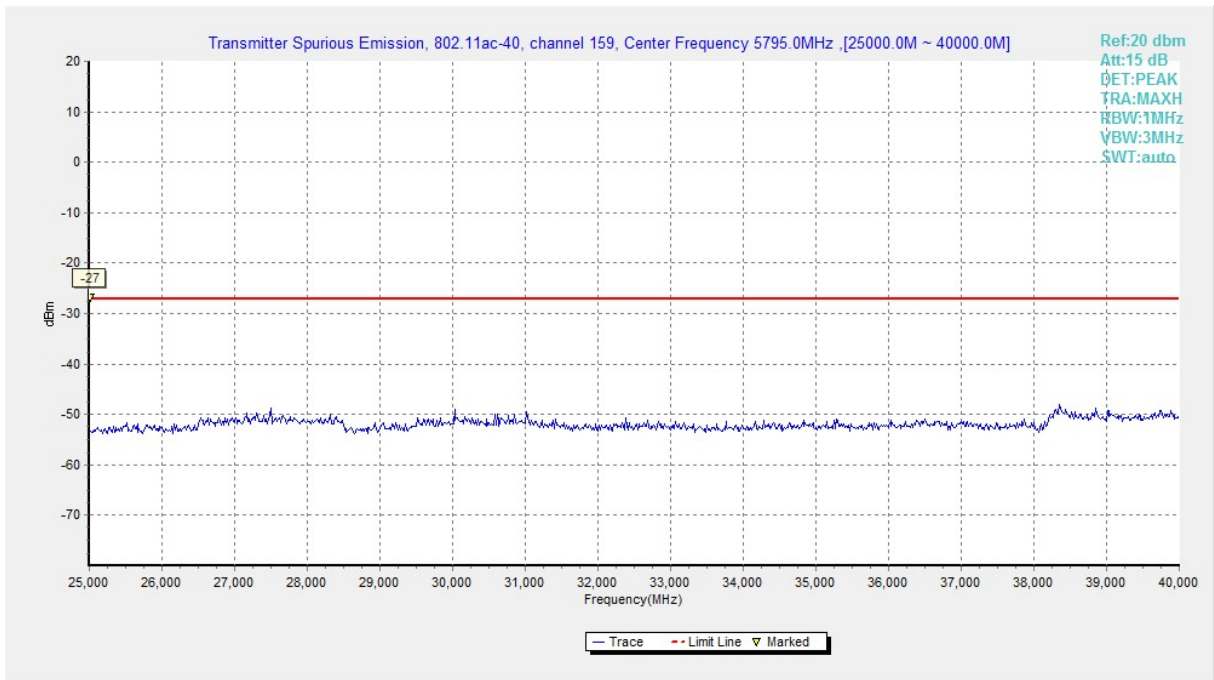
**Fig. 63 Conducted Spurious Emission (802.11ac-HT40, Ch159, 30 MHz-1 GHz)**



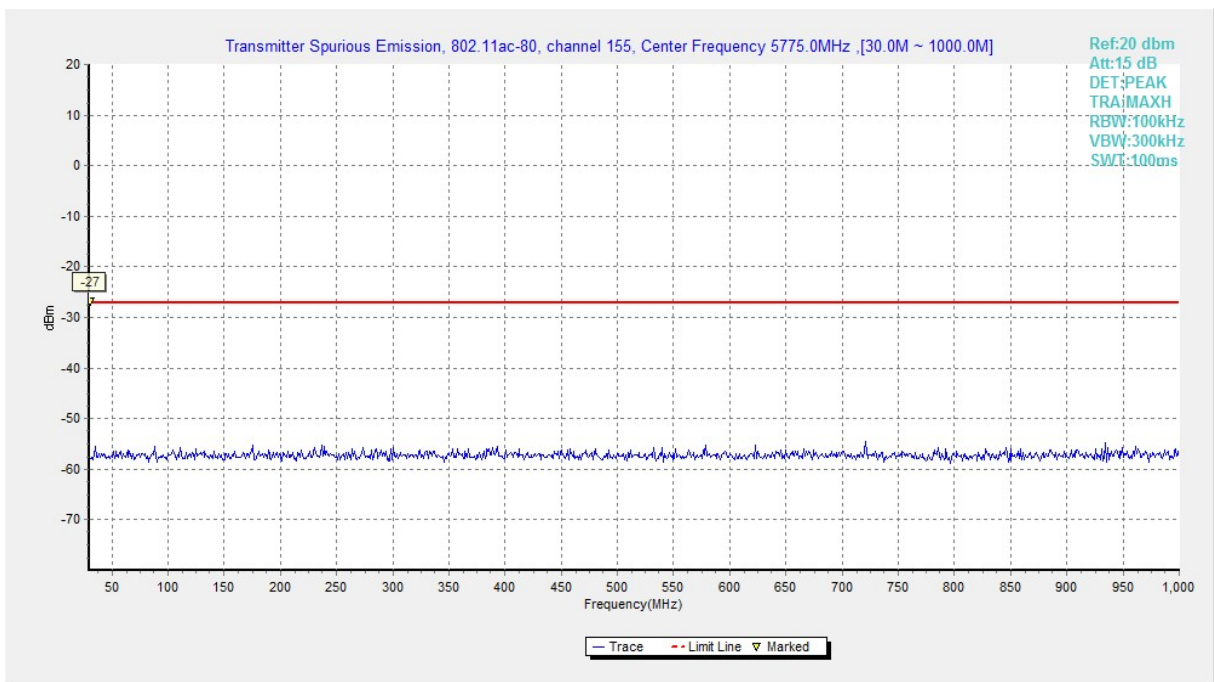
**Fig. 64 Conducted Spurious Emission (802.11ac-HT40, Ch159, 1 GHz -12 GHz)**



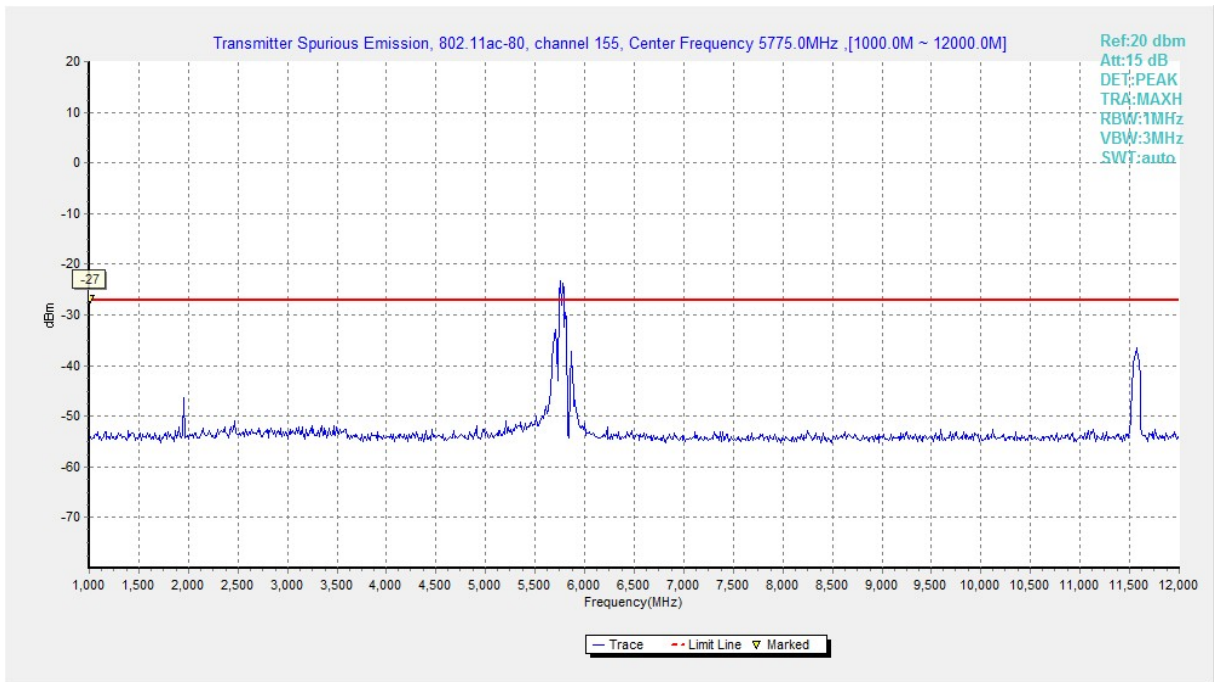
**Fig. 65 Conducted Spurious Emission (802.11ac-HT40, Ch159, 12 GHz-25 GHz)**



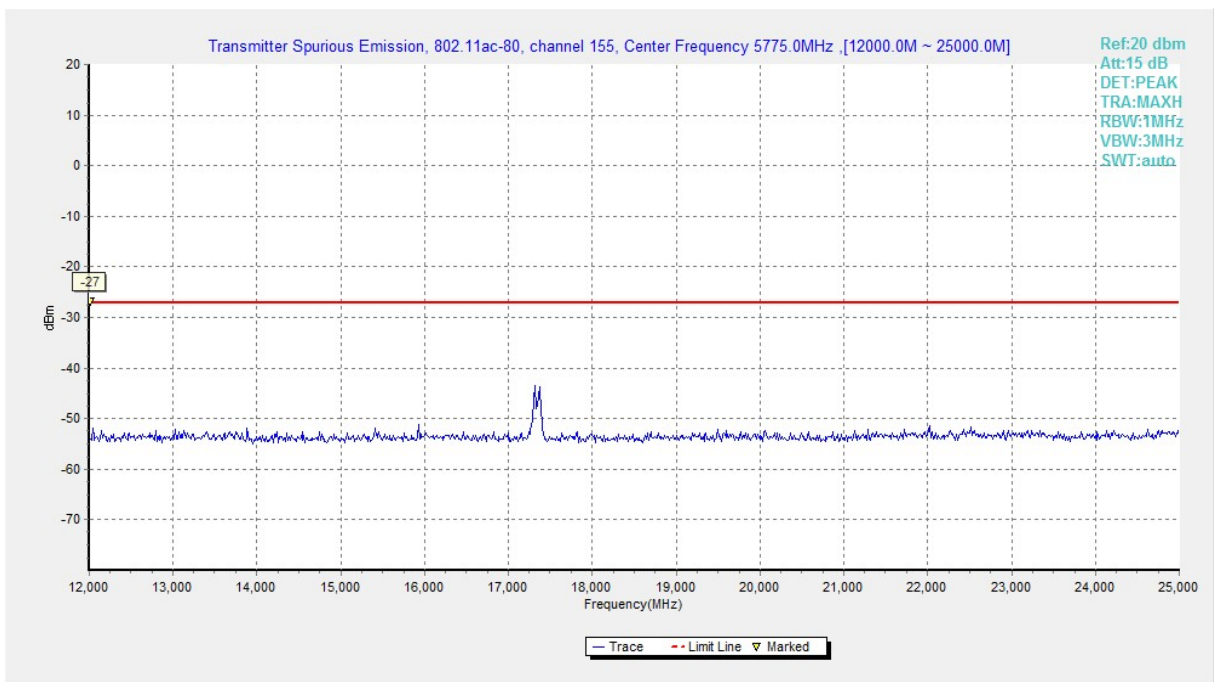
**Fig. 66 Conducted Spurious Emission (802.11ac-HT40, Ch159, 25 GHz-40 GHz)**



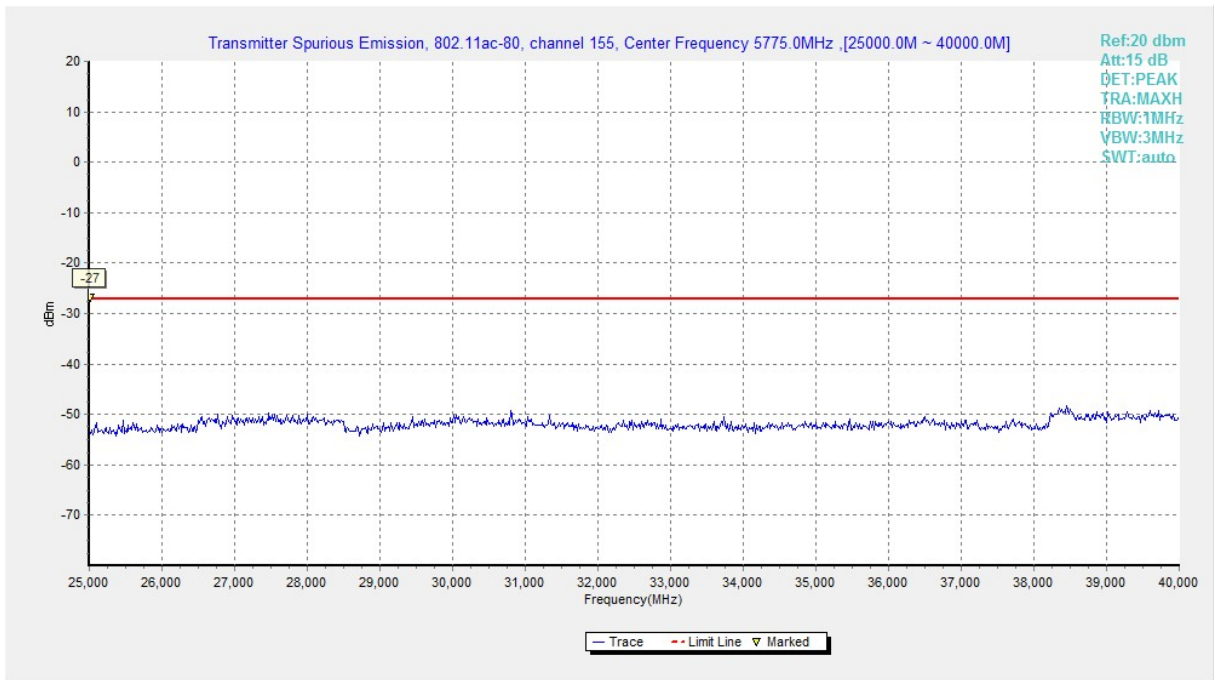
**Fig. 67 Conducted Spurious Emission (802.11ac-HT80, Ch155, 30 MHz-1 GHz)**



**Fig. 68 Conducted Spurious Emission (802.11ac-HT80, Ch155, 1 GHz -12 GHz)**



**Fig. 69 Conducted Spurious Emission (802.11ac-HT80, Ch155, 12 GHz-25 GHz)**



**Fig. 70 Conducted Spurious Emission (802.11ac-HT80, Ch155, 25 GHz-40 GHz)**

### A.5.2 Transmitter Spurious Emission - Radiated

#### Measurement Limit:

Standard	Limit (dBm/MHz)	
FCC 47 CFR Part 15.407	at the band edge	27
	at 5 MHz above or below the band edge	15.6
	at 25 MHz above or below the band edge	10
	at 75 MHz or more above or below the band edge	-27
	Note: increasing linearly from point to point.	

The measurement is made according to KDB 789033

Frequency Range	Uncertainty(dB)
$30\text{MHz} \leq f \leq 1\text{GHz}$	5.40
$1\text{GHz} \leq f \leq 18\text{GHz}$	4.32
$18\text{GHz} \leq f \leq 40\text{GHz}$	5.26

#### Measurement Results:



**802.11a mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11a	149	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	157	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
	165	26.5 GHz~ 40 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

**802.11n-HT20 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	149	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	157	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
	165	26.5 GHz~ 40 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

**802.11n-HT40 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT40)	151	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz~ 40 GHz	---	P
	159	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

**802.11ac-HT20 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	149	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	157	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
	165	26.5 GHz~ 40 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

**802.11ac-HT40 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT40)	151	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz~ 40 GHz	---	P
	159	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

**802.11ac-HT80 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT80)	155	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz~ 40 GHz	---	P

**Conclusion: PASS**

**Note:**

A "reference path loss" is established and the  $A_{Rpl}$  is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

$P_{Mea}$  is the field strength recorded from the instrument.

**Average Results:**
**802.11a**
**Ch149**

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5650.000	39.1	-25.1	34.8	29.40	48.2	9.1	H	28
5658.000	39.2	-25.0	34.8	29.49	54.1	14.9	H	48
11490.200	50.9	-29.3	38.5	41.71	54.0	3.1	H	8
17102.400	39.9	-23.2	41.6	21.56	54.0	14.1	H	16
17235.500	39.5	-23.3	41.5	21.27	54.0	14.5	H	228
17935.100	39.9	-23.0	41.3	21.60	54.0	14.1	H	92

**Ch157**

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5718.800	39.9	-24.9	34.9	29.95	48.3	8.4	H	28
5852.400	39.5	-24.8	35.0	29.29	48.3	8.8	H	49
11570.500	53.3	-29.3	38.6	44.08	54.0	0.7	H	246
17106.800	39.9	-23.2	41.6	21.59	54.0	14.1	H	182
17346.600	39.9	-23.1	41.4	21.61	54.0	14.1	H	94
17355.400	39.9	-23.0	41.3	21.57	54.0	14.1	H	42

**Ch165**

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5921.200	39.3	-24.9	35.1	29.12	51.0	11.7	H	98
5922.000	39.2	-24.9	35.1	28.99	50.4	11.2	H	135
11649.700	50.0	-29.3	38.6	40.64	54.0	4.0	H	4
16947.300	39.9	-23.4	41.7	21.66	54.0	14.1	H	74
17106.800	39.9	-23.2	41.6	21.59	54.0	14.1	H	48
17475.300	39.1	-23.2	41.2	21.04	54.0	14.9	H	246

**802.11n-HT20**
**Ch149**

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5652.800	39.4	-25.1	34.8	29.62	50.3	10.9	H	92
5652.400	39.3	-25.1	34.8	29.60	50.0	10.6	H	68
11490.200	50.4	-29.3	38.5	41.19	54.0	3.6	H	118
16946.200	39.9	-23.4	41.7	21.64	54.0	14.1	H	354
17235.500	39.4	-23.3	41.5	21.16	54.0	14.6	H	18
17928.500	39.9	-23.0	41.3	21.56	54.0	14.1	H	38

**Ch157**

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5733.200	47.0	-24.8	34.9	36.90	48.3	1.3	H	180
5836.800	45.0	-24.8	35.0	34.74	48.3	3.3	H	200
11569.400	53.3	-29.3	38.6	44.05	54.0	0.7	H	225
16946.200	39.9	-23.4	41.7	21.68	54.0	14.1	H	202
17344.400	39.9	-23.1	41.4	21.63	54.0	14.1	H	245
17355.400	40.0	-23.0	41.3	21.67	54.0	14.0	H	268

**Ch165**

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5924.000	39.2	-24.9	35.1	29.00	48.9	9.7	H	92
5924.800	39.1	-24.9	35.1	28.87	48.3	9.2	H	115
11649.700	49.7	-29.3	38.6	40.32	54.0	4.3	H	135
16941.800	39.9	-23.4	41.7	21.64	54.0	14.1	H	168
17475.300	39.2	-23.2	41.2	21.14	54.0	14.8	H	184
17920.800	39.9	-22.9	41.3	21.54	54.0	14.1	H	202

**802.11n-HT40**

## Ch151

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5650.000	41.3	-25.1	34.8	31.58	48.2	6.9	H	8
5652.400	41.8	-25.1	34.8	32.05	50.0	8.2	H	26
11510.000	48.4	-29.3	38.5	39.18	54.0	5.6	H	72
17103.500	40.0	-23.2	41.6	21.68	54.0	14.0	H	136
17265.200	39.7	-23.3	41.4	21.54	54.0	14.3	H	94
17725.000	39.8	-23.0	41.2	21.61	54.0	14.2	H	48

## Ch159

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5923.600	39.2	-24.9	35.1	28.97	49.2	10.0	H	180
5924.400	39.2	-24.9	35.1	28.97	48.6	9.4	H	202
11590.300	49.3	-29.4	38.6	40.11	54.0	4.7	H	222
17107.900	40.1	-23.2	41.6	21.71	54.0	13.9	H	190
17385.100	39.9	-22.9	41.3	21.48	54.0	14.1	H	240
17928.500	39.9	-23.0	41.3	21.55	54.0	14.1	H	270

**802.11ac-HT20**

## Ch149

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5650.000	39.3	-25.1	34.8	29.55	48.2	8.9	H	180
5650.800	39.3	-25.1	34.8	29.56	48.8	9.5	H	204
11490.200	51.0	-29.3	38.5	41.83	54.0	3.0	H	222
17117.800	39.9	-23.2	41.6	21.58	54.0	14.1	H	245
17235.500	39.4	-23.3	41.5	21.15	54.0	14.6	H	72
17937.300	40.0	-23.0	41.3	21.63	54.0	14.0	H	94

## Ch157

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5733.200	46.6	-24.8	34.9	36.51	48.3	1.7	H	268
5836.400	44.5	-24.8	35.0	34.25	48.3	3.8	H	290
11569.400	53.2	-29.3	38.6	43.99	54.0	0.8	H	312
17102.400	40.0	-23.2	41.6	21.66	54.0	14.0	H	46
17355.400	40.1	-23.0	41.3	21.75	54.0	13.9	H	70
17932.900	39.9	-23.0	41.3	21.62	54.0	14.1	H	92

## Ch165

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5923.100	39.3	-24.8	34.9	35.72	49.6	10.3	H	48
5924.400	39.3	-24.9	35.1	33.31	48.6	9.3	H	70
11649.700	50.3	-29.3	38.6	40.96	54.0	3.7	H	92
16939.600	40.0	-23.4	41.7	21.72	54.0	14.0	H	112
17475.300	39.2	-23.2	41.2	21.11	54.0	14.8	H	136
17914.200	40.0	-22.9	41.3	21.69	54.0	14.0	H	156

**802.11ac-HT40**

## Ch151

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5650.000	40.5	-25.1	34.8	30.81	48.2	7.7	H	28
5650.400	40.6	-25.1	34.8	30.86	48.5	7.9	H	74
11510.000	48.6	-29.3	38.5	39.37	54.0	5.4	H	140
16940.700	40.0	-23.4	41.7	21.71	54.0	14.0	H	8
17265.200	39.6	-23.3	41.4	21.46	54.0	14.4	H	80
17935.100	40.0	-23.0	41.3	21.69	54.0	14.0	H	243

## Ch159

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5924.000	39.2	-24.9	35.1	29.00	48.9	9.7	H	92
5924.800	39.1	-24.9	35.1	28.87	48.3	9.2	H	115
11590.300	49.5	-29.4	38.6	40.30	54.0	4.5	H	135
17104.600	40.0	-23.2	41.6	21.65	54.0	14.0	H	156
17385.100	40.0	-22.9	41.3	21.56	54.0	14.0	H	180
17939.500	40.1	-23.0	41.3	21.76	54.0	13.9	H	204

**802.11ac-HT80**

## Ch155

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5650.000	39.0	-25.1	34.8	29.27	48.2	9.2	H	16
5650.400	39.1	-25.1	34.8	29.39	48.5	9.4	H	48
11549.600	43.8	-28.6	38.5	33.86	54.0	10.2	H	80
17048.500	39.3	-23.5	41.7	21.15	54.0	14.7	H	8
17324.600	38.9	-23.3	41.4	20.79	54.0	15.1	H	102
17728.300	39.2	-23.1	41.2	21.05	54.0	14.8	H	118

**Peak Results:**
**802.11a**

## Ch149

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5651.093	53.5	-25.1	34.8	43.79	69.0	15.5	H	22
5652.208	54.9	-25.1	34.8	45.16	69.8	14.9	H	44
11484.700	64.7	-29.3	38.5	55.55	68.3	3.6	V	0
17234.950	55.0	-23.3	41.5	36.82	68.3	13.3	H	22
17386.200	58.2	-22.9	41.3	39.79	68.3	10.1	H	242
17997.250	58.1	-23.0	41.3	39.84	68.3	10.2	H	88

## Ch157

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5718.800	53.7	-24.9	34.9	43.67	68.3	14.6	H	22
5909.600	53.4	-24.9	35.1	43.27	68.3	14.9	H	44
11572.150	64.8	-29.3	38.6	55.57	68.3	3.5	V	242
16478.700	57.3	-23.5	41.4	39.43	68.3	11.0	H	176
16820.800	57.4	-23.3	41.6	39.09	68.3	10.9	V	88
17354.850	54.8	-23.0	41.3	36.44	68.3	13.5	V	22

## Ch165

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5924.494	52.8	-24.9	35.1	42.57	68.6	15.8	H	88
5924.931	52.7	-24.9	35.1	42.41	68.3	15.6	H	132
11647.500	64.7	-29.3	38.6	55.38	68.3	3.6	H	0
17055.650	57.8	-23.4	41.6	39.48	68.3	10.5	V	66
17474.750	55.0	-23.1	41.2	36.94	68.3	13.3	V	44
17798.150	57.3	-23.1	41.3	39.07	68.3	11.0	H	242

**802.11n-HT20**

## Ch149

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5651.840	53.3	-25.1	34.8	43.57	69.6	16.3	H	88
5653.404	54.1	-25.1	34.8	44.32	70.7	16.7	H	66
11489.100	64.5	-29.3	38.5	55.27	68.3	3.8	H	110
16684.400	57.9	-23.4	41.5	39.83	68.3	10.4	V	0
17140.900	57.4	-23.2	41.6	39.04	68.3	11.0	H	22
17234.950	56.3	-23.3	41.5	38.09	68.3	12.0	H	44



## Ch157

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5733.000	59.2	-24.8	34.9	49.15	68.3	9.1	H	176
5837.400	58.4	-24.8	35.0	48.16	68.3	9.9	H	198
11568.850	65.5	-29.3	38.6	56.24	68.3	2.8	H	220
16871.950	57.5	-23.3	41.6	39.24	68.3	10.8	H	198
17354.850	55.8	-23.0	41.3	37.53	68.3	12.5	V	242
17928.500	58.1	-23.0	41.3	39.74	68.3	10.2	H	264

## Ch165

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5922.527	53.0	-24.9	35.1	42.73	70.0	17.1	H	88
5924.195	53.6	-24.9	35.1	43.39	68.8	15.2	H	110
11651.900	64.0	-29.3	38.6	54.64	68.3	4.3	V	132
17003.400	57.8	-23.5	41.7	39.58	68.3	10.5	V	154
17395.550	57.5	-22.9	41.3	39.10	68.3	10.8	H	176
17474.750	55.3	-23.1	41.2	37.18	68.3	13.0	V	198

**802.11n-HT40**

## Ch151

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5650.943	54.8	-25.1	34.8	45.06	68.9	14.1	H	0
5652.174	55.7	-25.1	34.8	45.99	69.8	14.1	H	22
11508.900	62.9	-29.3	38.5	53.68	68.3	5.4	H	66
17265.200	55.7	-23.3	41.4	37.49	68.3	12.6	V	132
17709.050	57.8	-23.0	41.2	39.58	68.3	10.5	H	88
17995.050	57.9	-23.0	41.3	39.69	68.3	10.4	V	44

## Ch159

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5924.195	53.6	-24.9	35.1	43.35	68.8	15.2	H	176
5924.632	52.6	-24.9	35.1	42.40	68.5	15.8	H	198
11586.450	61.8	-29.4	38.6	52.64	68.3	6.5	V	220
17261.350	57.4	-23.3	41.4	39.17	68.3	10.9	V	198
17385.100	55.4	-22.9	41.3	36.96	68.3	12.9	H	242
17529.200	57.9	-23.2	41.2	39.92	68.3	10.4	V	264

## 802.11ac-HT20

## Ch149

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5650.518	52.8	-25.1	34.8	43.06	68.6	15.8	H	176
5651.932	52.8	-25.1	34.8	43.05	69.6	16.8	H	198
11489.650	64.7	-29.3	38.5	55.46	68.3	3.6	H	220
16555.700	57.5	-23.6	41.4	39.65	68.3	10.8	V	242
16848.850	57.3	-23.3	41.6	38.97	68.3	11.0	H	66
17234.950	56.4	-23.3	41.5	38.19	68.3	11.9	H	88

## Ch157

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5733.800	58.1	-24.8	34.9	48.01	68.3	10.2	H	264
5837.800	57.5	-24.8	35.0	47.24	68.3	10.8	H	286
11571.050	65.1	-29.3	38.6	55.85	68.3	3.2	V	308
16887.350	57.8	-23.3	41.6	39.50	68.3	10.5	H	44
17354.850	55.9	-23.0	41.3	37.56	68.3	12.4	H	66
17866.350	58.3	-23.0	41.3	40.02	68.3	10.0	V	88

## Ch165

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5923.080	53.7	-24.9	35.1	43.49	69.6	15.9	H	44
5924.436	53.1	-24.9	35.1	42.89	68.6	15.5	H	66
11651.350	63.6	-29.3	38.6	54.23	68.3	4.7	H	88
17074.900	57.7	-23.3	41.6	39.36	68.3	10.6	H	110
17474.750	56.5	-23.1	41.2	38.47	68.3	11.8	H	132
17934.000	57.2	-23.0	41.3	38.85	68.3	11.1	H	154

**802.11ac-HT40**

## Ch151

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5650.621	54.6	-25.1	34.8	44.84	68.7	14.1	H	22
5651.035	54.1	-25.1	34.8	44.37	69.0	14.9	H	66
11518.350	63.0	-29.3	38.5	53.76	68.3	5.3	V	132
17265.200	55.0	-23.3	41.4	36.78	68.3	13.3	H	0
17356.500	57.7	-23.0	41.3	39.35	68.3	10.6	V	88
17437.350	57.7	-23.0	41.3	39.47	68.3	10.6	V	242

## Ch159

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5924.172	52.5	-24.9	35.1	42.27	68.8	16.3	H	88
5924.966	52.5	-24.9	35.1	42.28	68.2	15.7	H	110
11588.650	62.3	-29.4	38.6	53.11	68.3	6.0	H	132
17385.100	54.6	-22.9	41.3	36.17	68.3	13.7	V	154
17501.700	57.4	-23.3	41.2	39.48	68.3	10.9	V	176
17919.700	57.2	-22.9	41.3	38.87	68.3	11.1	H	198

**802.11ac-HT80**

Ch155

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
5650.598	53.0	-25.1	34.8	43.27	68.6	15.7	H	22
5651.058	53.1	-25.1	34.8	43.37	69.0	15.9	H	44
11533.650	60.1	-28.6	38.5	50.13	68.3	8.2	V	88
17325.150	56.1	-23.2	41.4	38.01	68.3	12.2	V	0
17861.400	57.8	-23.0	41.3	39.52	68.3	10.5	H	110
17997.800	57.8	-22.9	41.3	39.41	68.3	10.5	H	132

## A.6. Band Edges Compliance

### A6.1 Band Edges - conducted

#### Measurement Limit:

Standard	Limit (dBm/MHz)
FCC 47 CFR Part 15.407(b)(4)	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

The measurement is made according to KDB 789033 D02

#### Measurement Uncertainty:

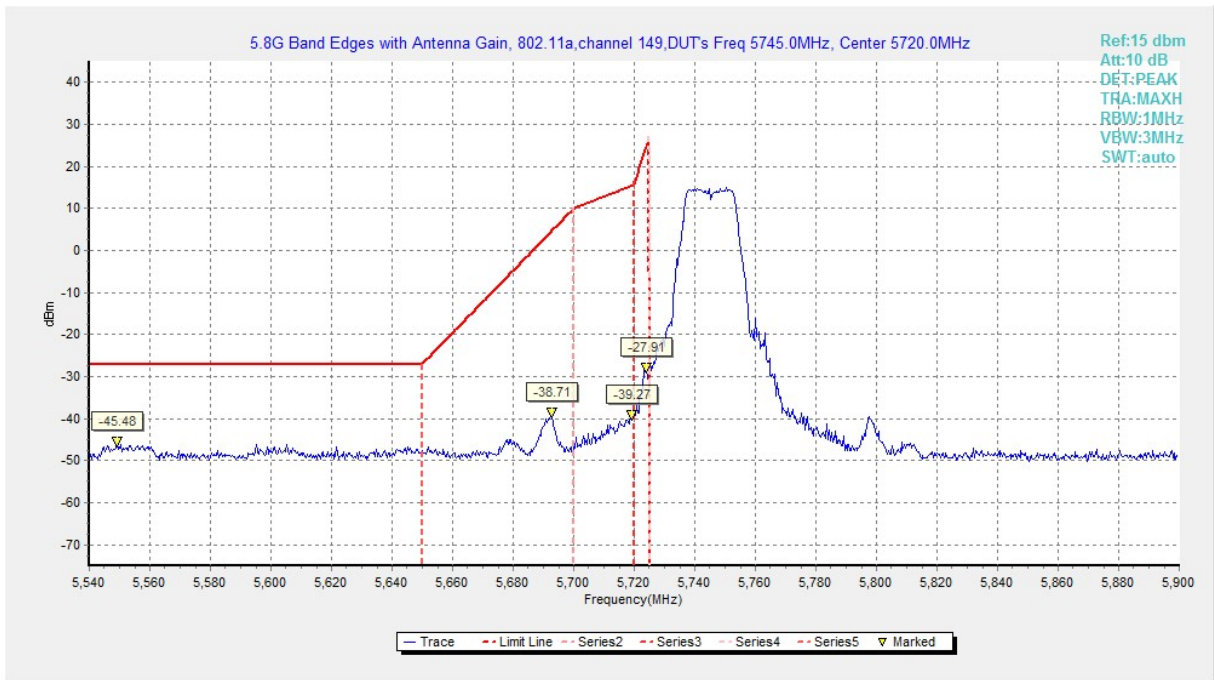
Measurement Uncertainty	0.75dB
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#### Measurement Result:

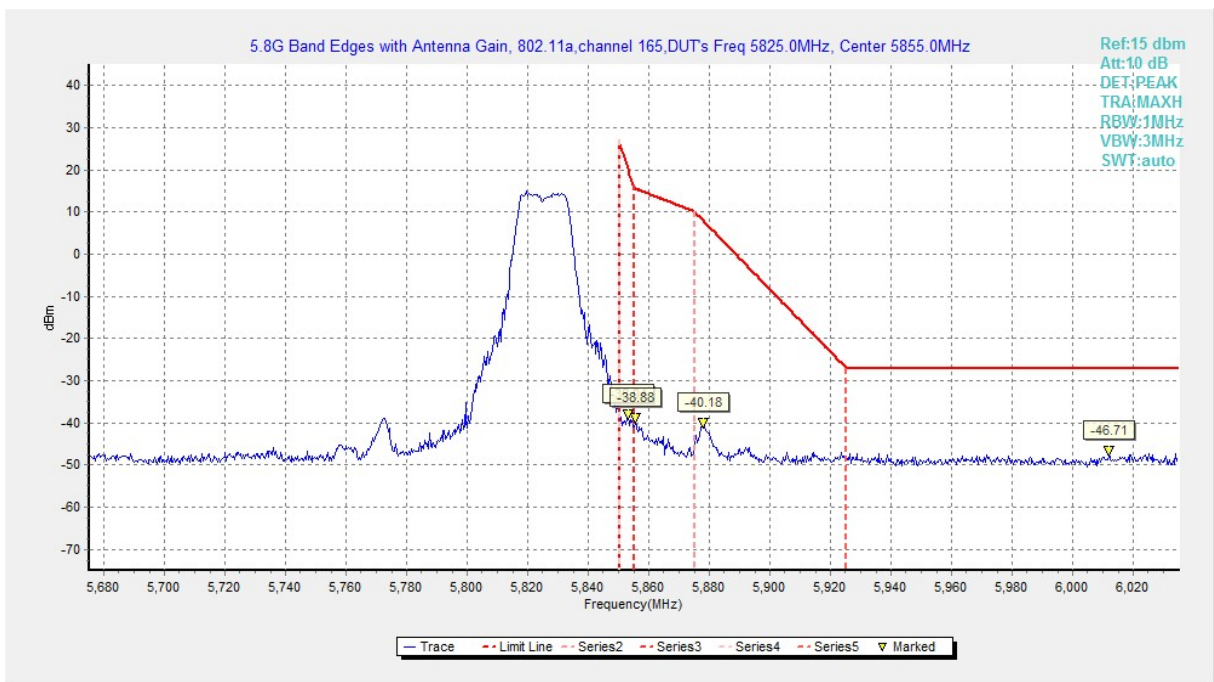
Mode	Channel	Test Results	Conclusion
802.11a	5745 MHz	Fig.71	P
	5825 MHz	Fig.72	P
802.11n HT20	5745 MHz	Fig.73	P
	5825 MHz	Fig.74	P
802.11ac HT20	5745 MHz	Fig.75	P
	5825 MHz	Fig.76	P
802.11n HT40	5755 MHz	Fig.77	P
	5795 MHz	Fig.78	P
802.11ac HT40	5755 MHz	Fig.79	P
	5795 MHz	Fig.80	P
802.11ac HT80	5775 MHz	Fig.81	P
	5775 MHz	Fig.82	P

**Conclusion: PASS**

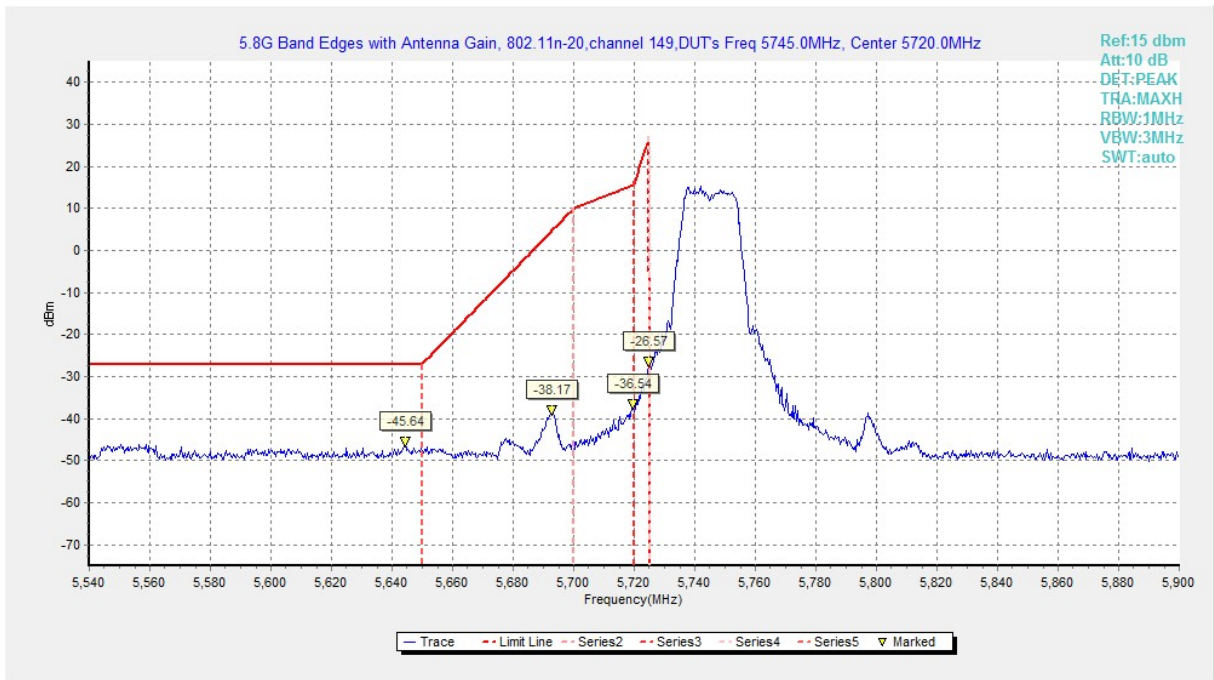
Test graphs as below:



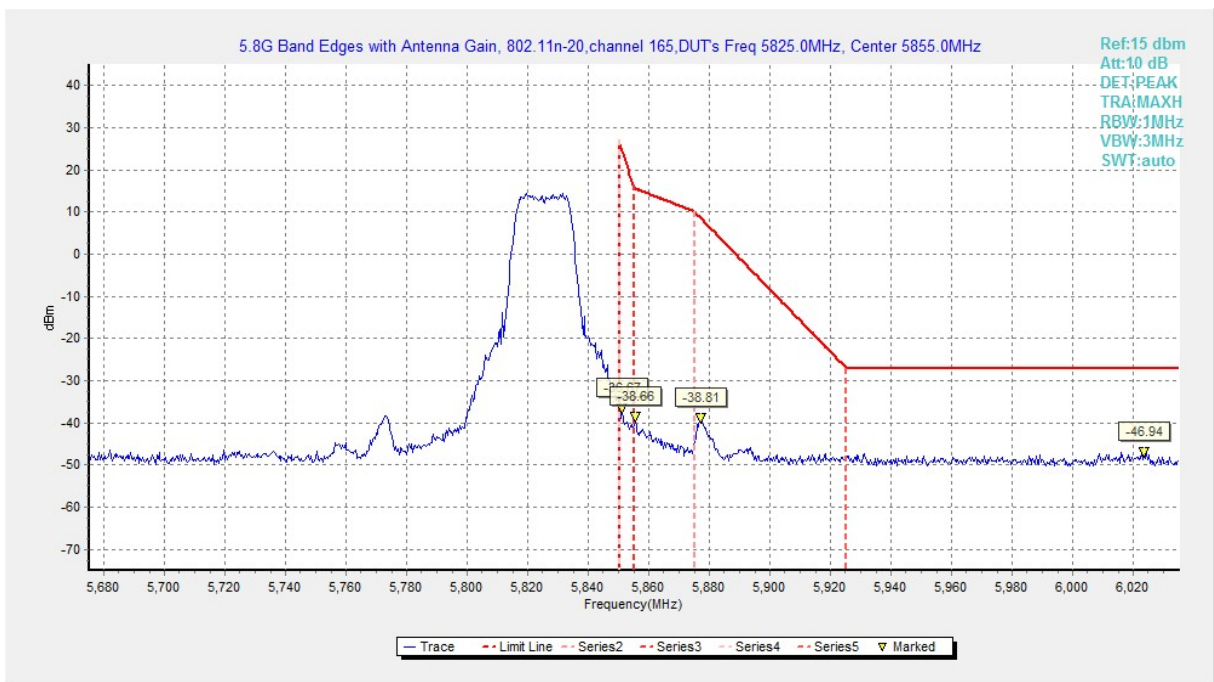
**Fig. 71 Band Edges (802.11a, 5745MHz)**



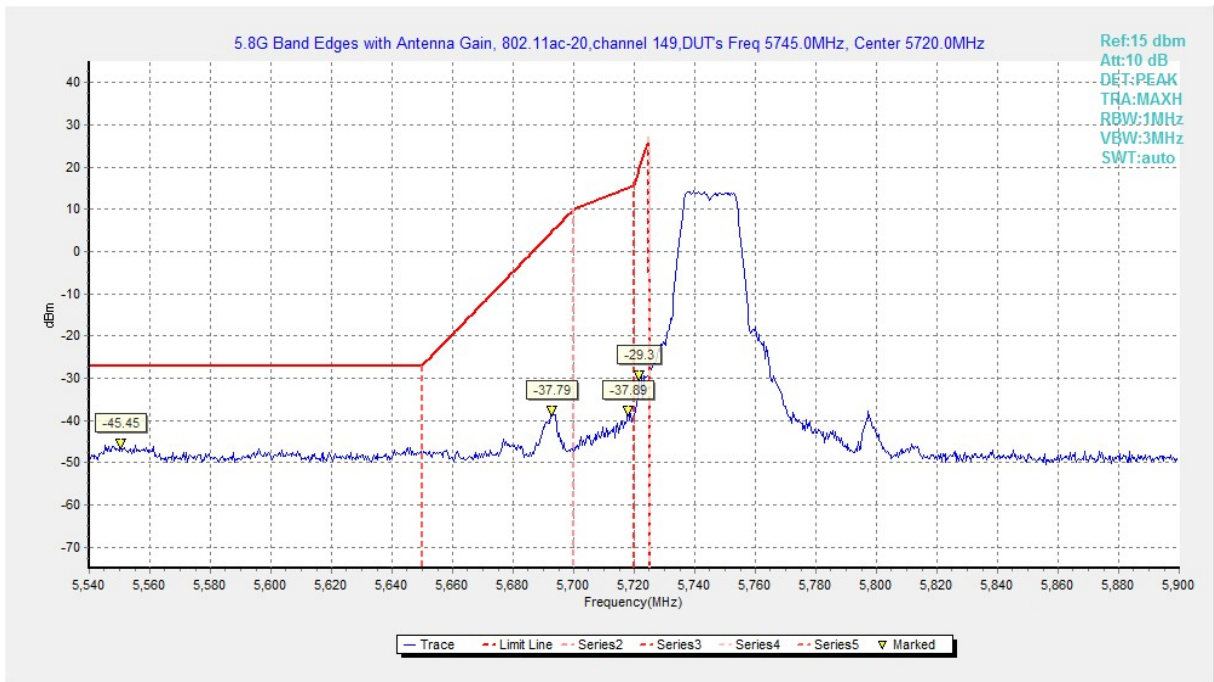
**Fig. 72 Band Edges (802.11a, 5825MHz)**



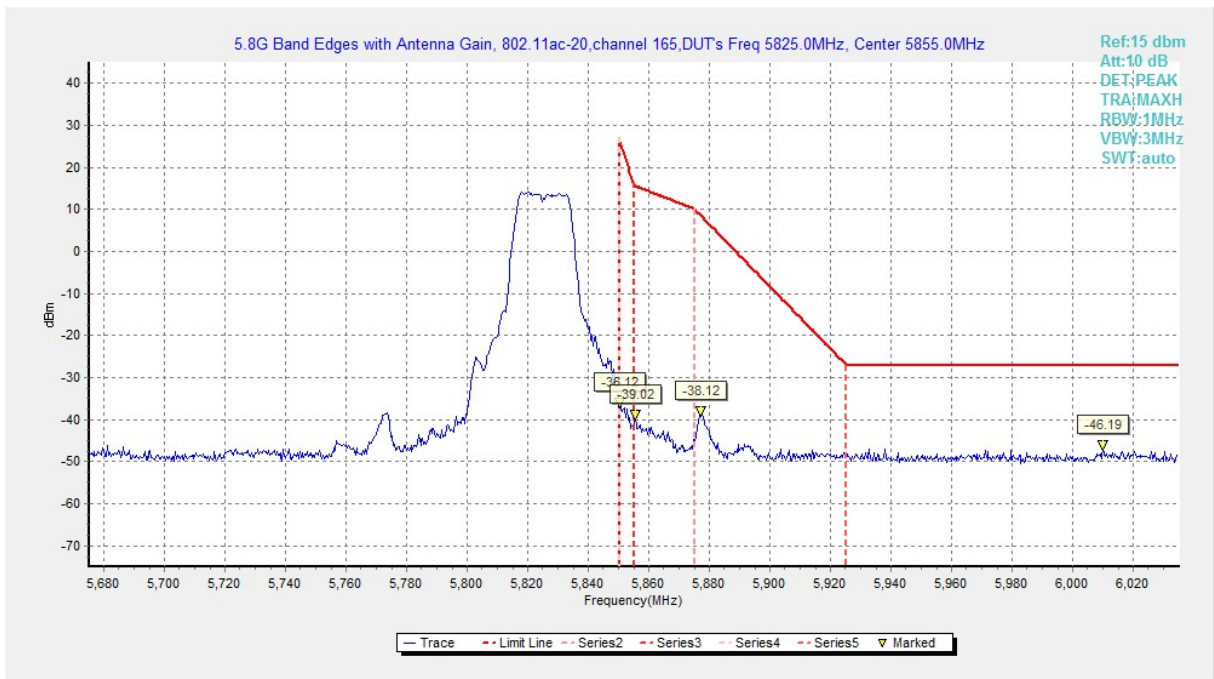
**Fig. 73 Band Edges (802.11n-HT20, 5745MHz)**



**Fig. 74 Band Edges (802.11n-HT20, 5825MHz)**



**Fig. 75 Band Edges (802.11ac-HT20, 5745MHz)**



**Fig. 76 Band Edges (802.11ac-HT20, 5825MHz)**