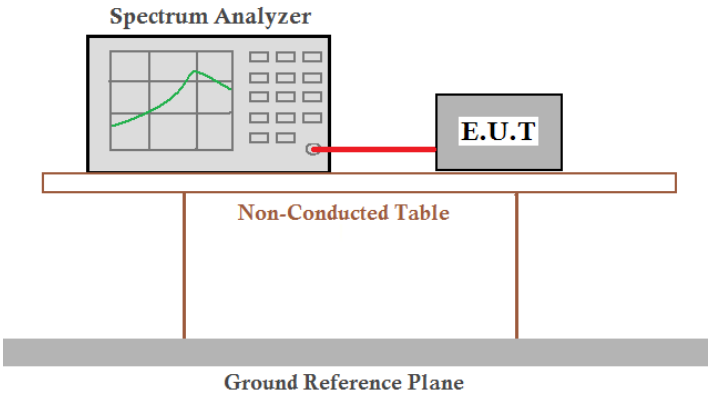
8. 6dB Bandwidth Measurement Data

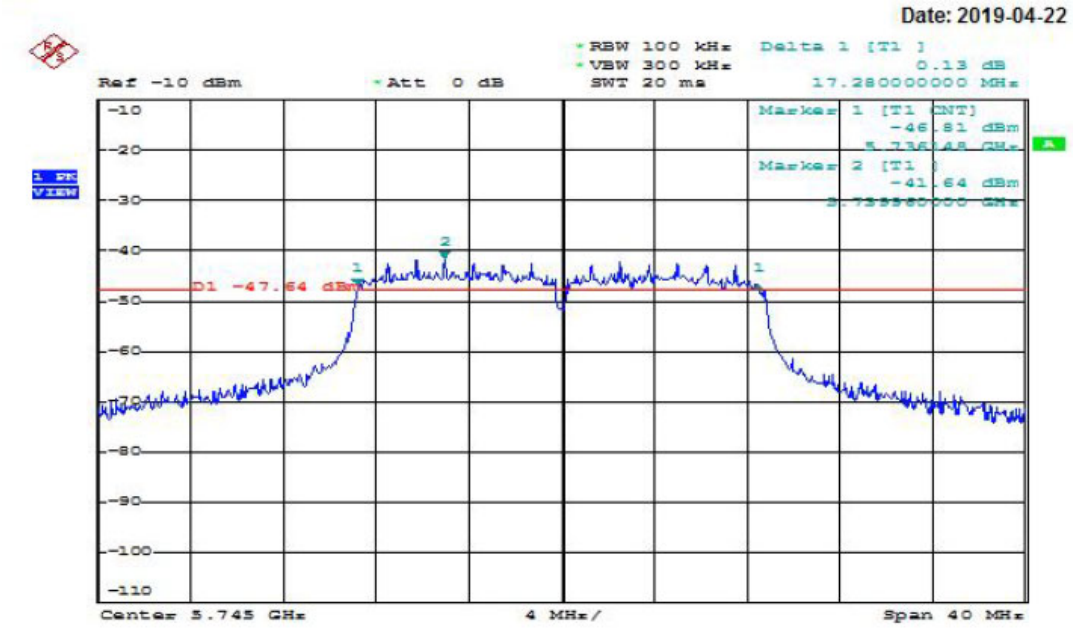
Test Requirement:	FCC Part15 E Section 15.407
Test Method:	ANSI C63.10:2013 and KDB 789033 D02 General UNII Test Procedures New Rules v02
Limit:	N/A (Band I)
	>500KHz(Band IV)
Test setup:	
Test procedure:	According to KDB 789033 D02 General UNII Test Procedures New Rules v02.
Test Instruments:	Refer to section 5.10 f & section 6.0 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

8.1 Test Result and Data

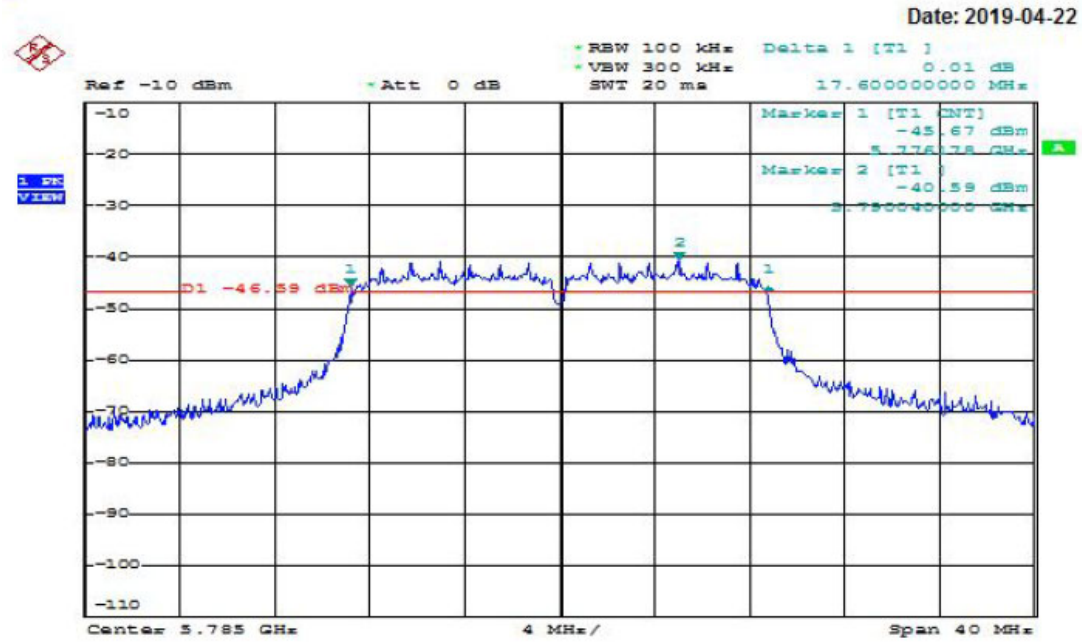
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
			ANT R	ANT L
802.11a	149	5745	17.28	17.28
	157	5785	17.6	17.36
	165	5825	17.6	17.52
802.11n HT20	149	5745	17.28	17.28
	157	5785	17.2	17.04
	165	5825	17.44	17.6
802.11n HT40	151	5755	36.4	35.8
	159	5795	35.6	35.6

Antenna R

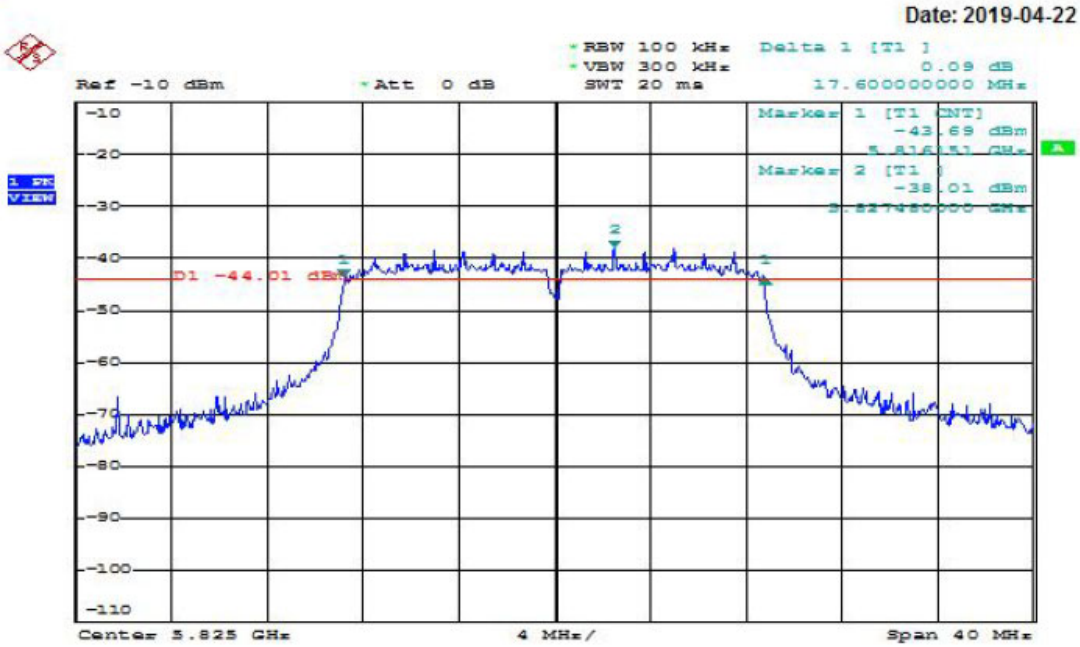
802.11a
Channel: 149



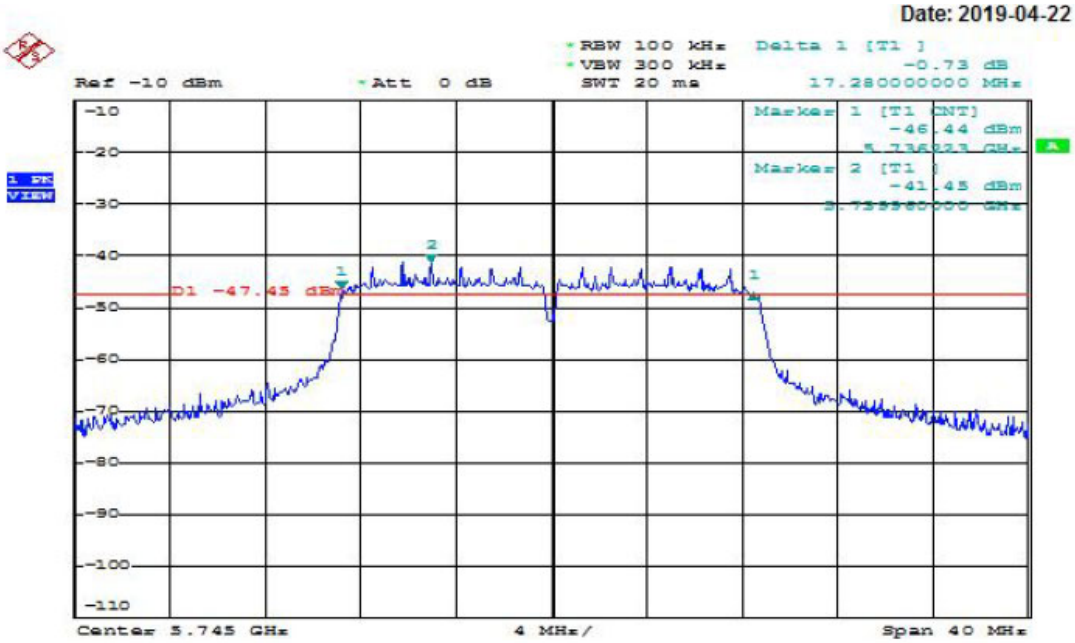
802.11a
Channel: 157



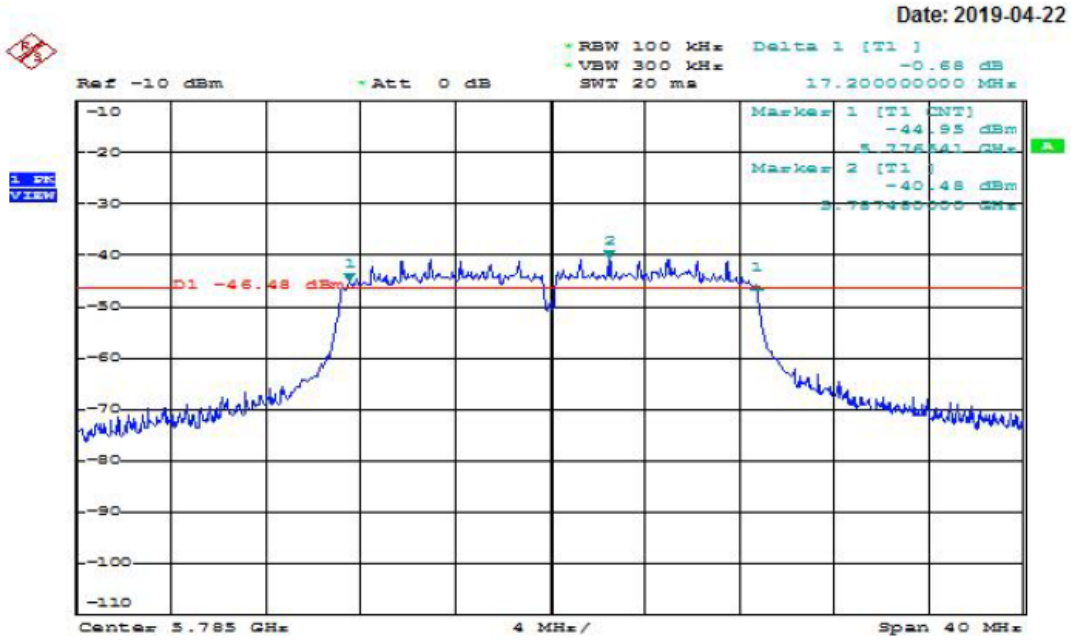
802.11a
Channel: 165



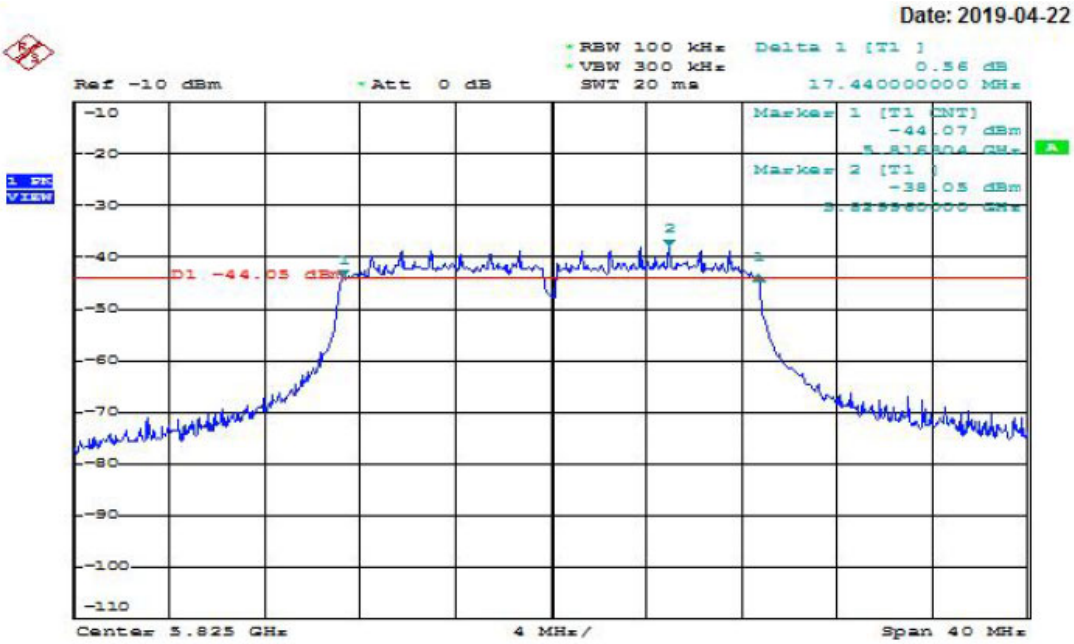
802.11n HT20
Channel: 149



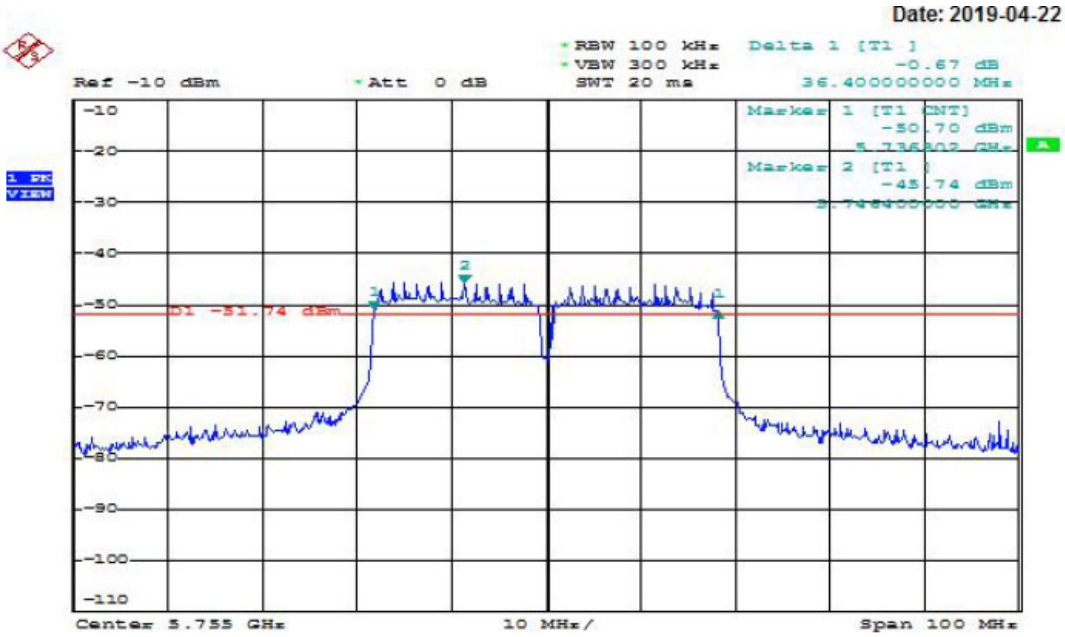
802.11n HT20
Channel: 157



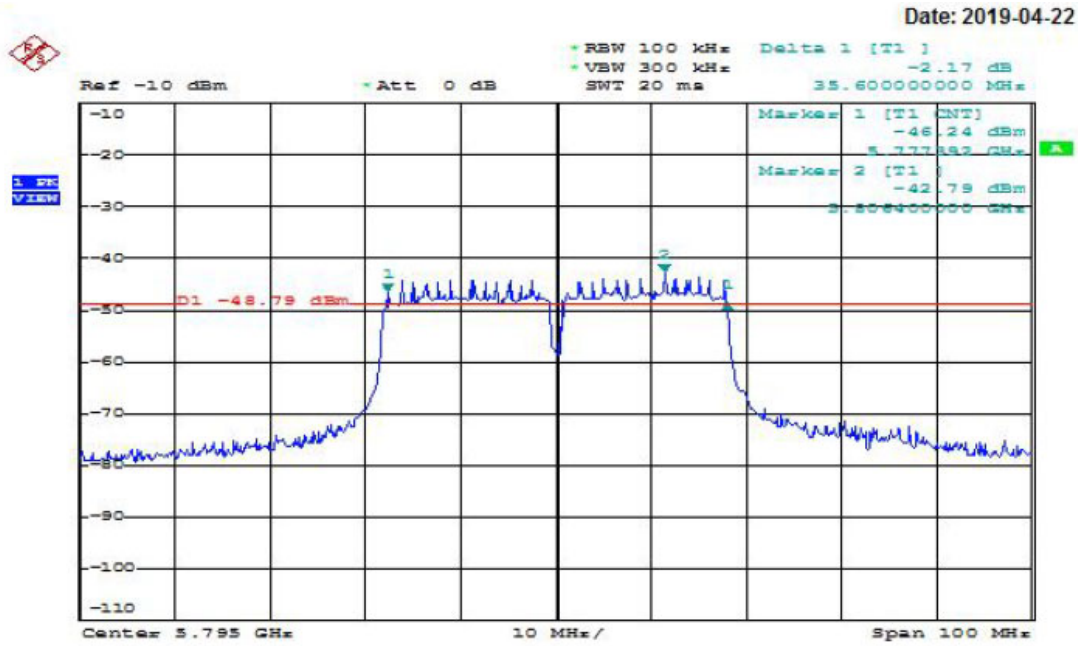
802.11n HT20
Channel: 165



802.11n HT40
Channel: 151

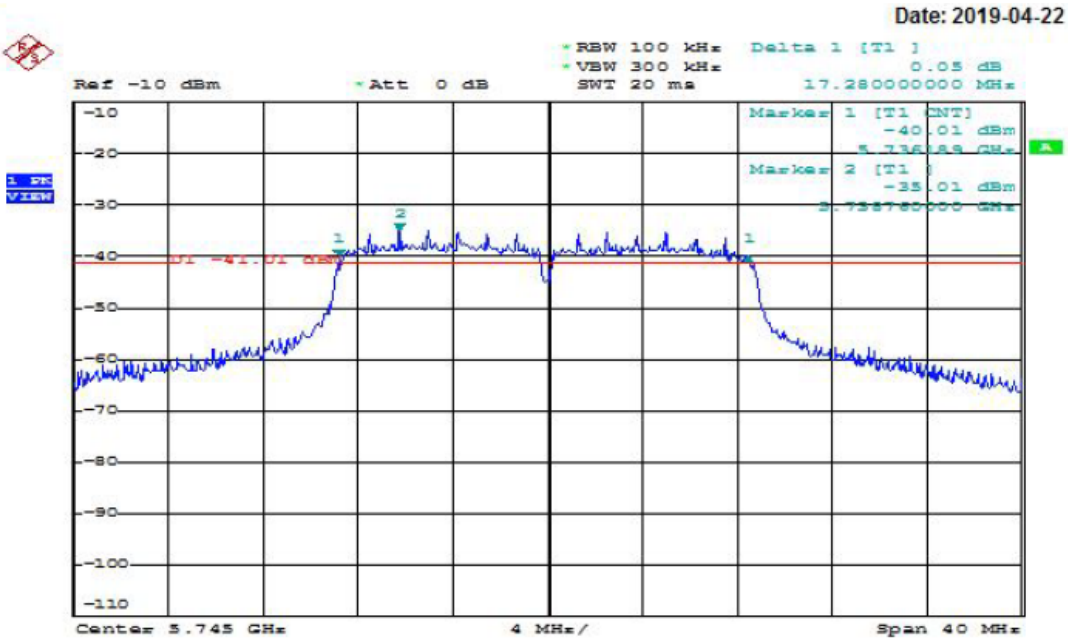


802.11n HT40
Channel: 159

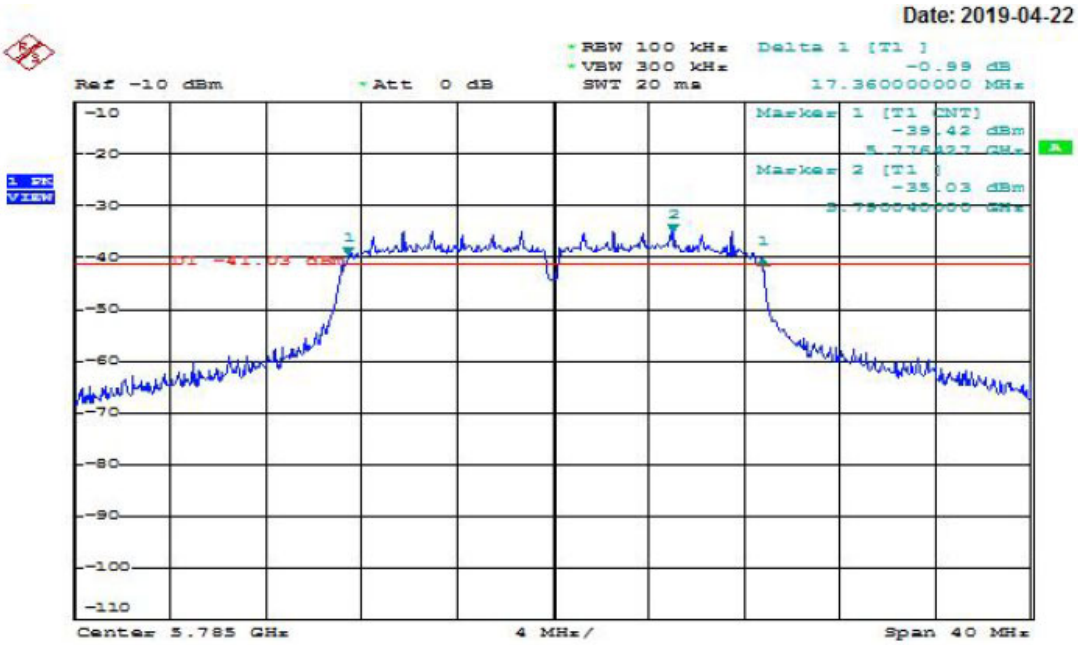


Antenna L

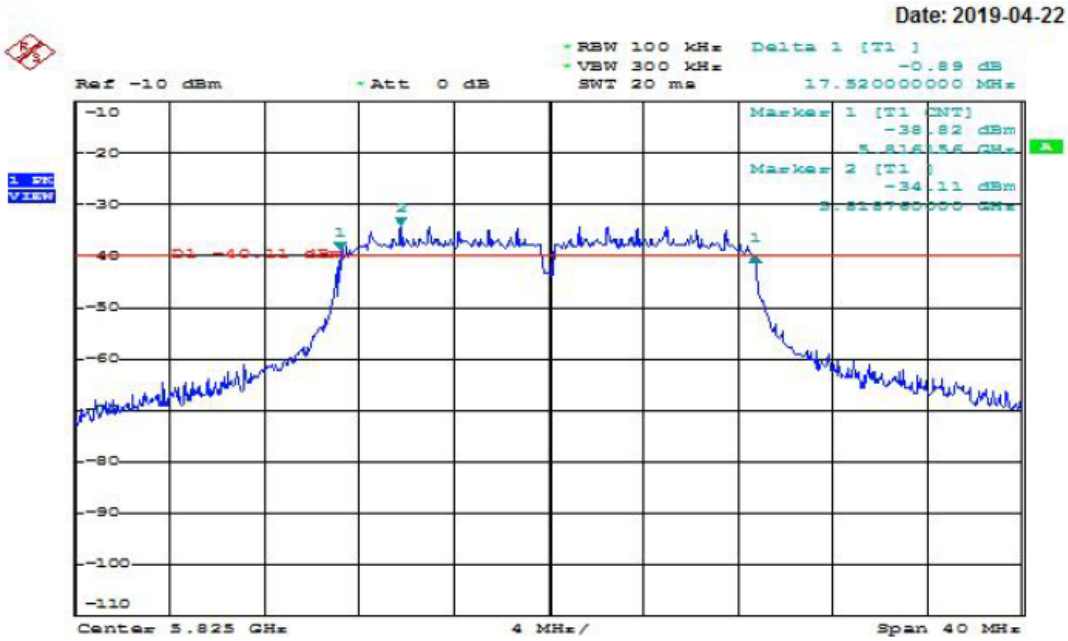
802.11a
Channel: 149



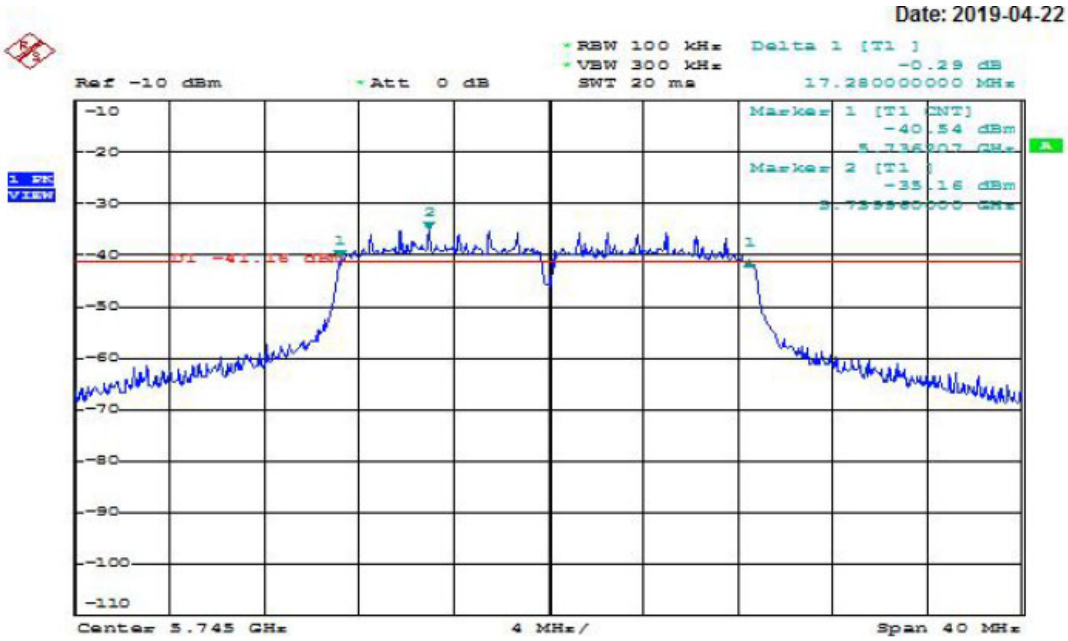
802.11a
Channel: 157



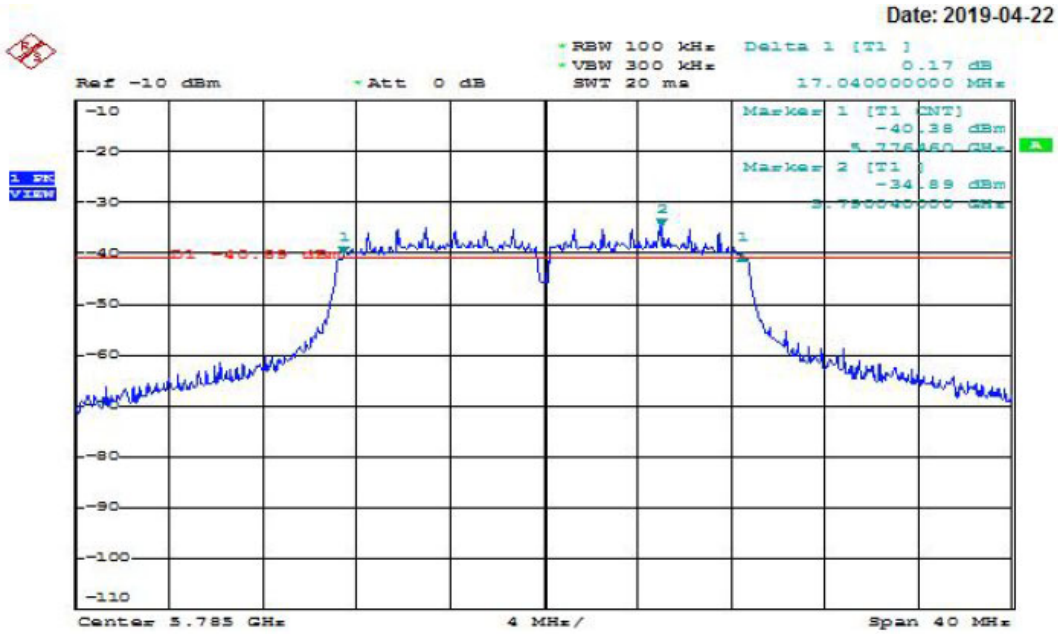
802.11a
Channel: 165



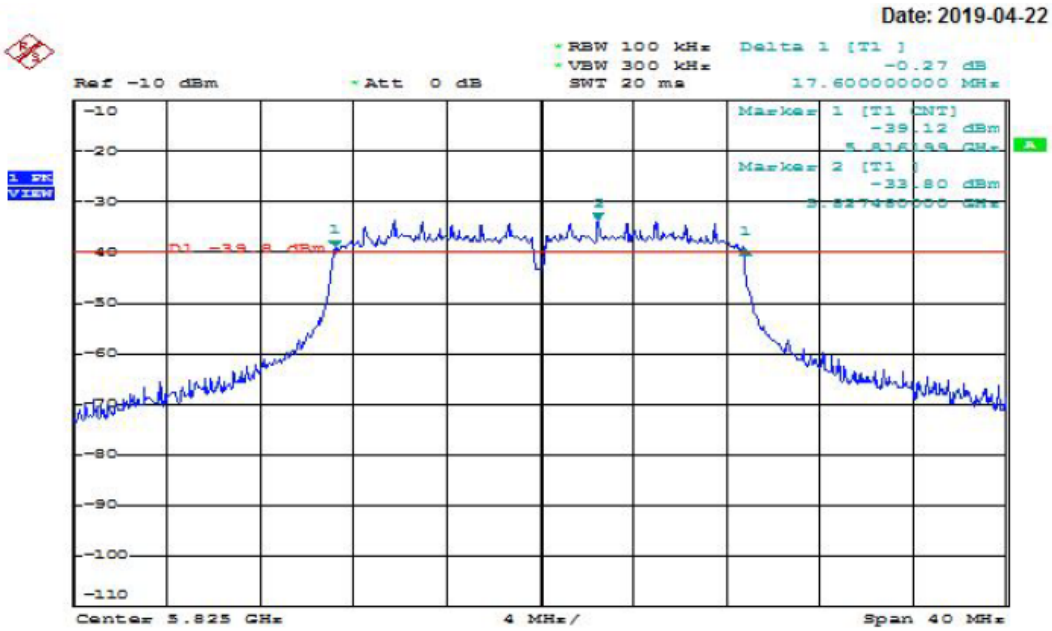
802.11n HT20
Channel: 149



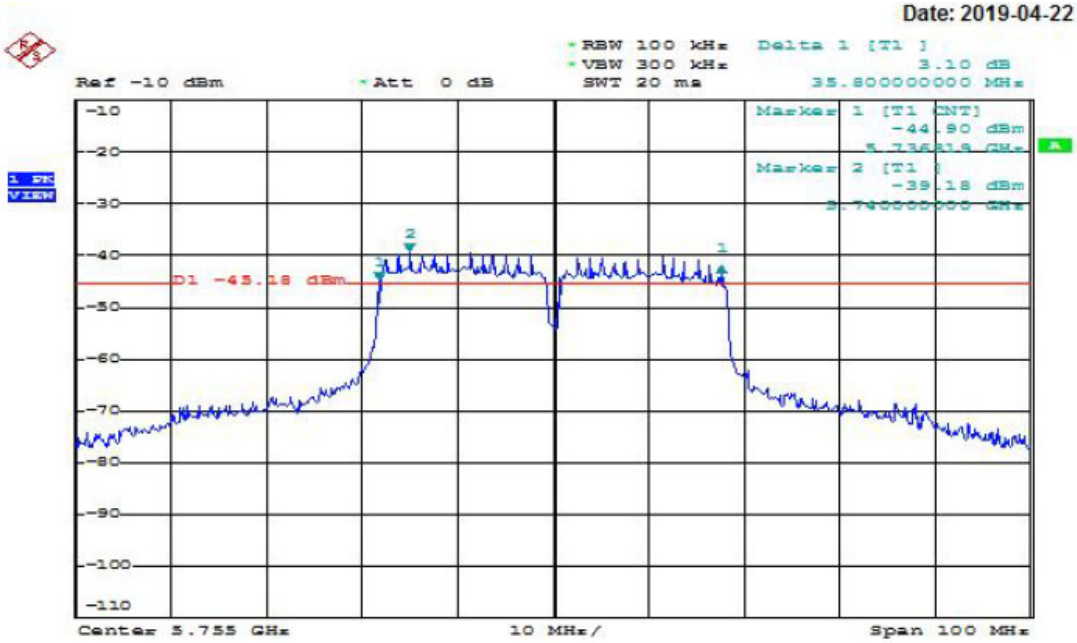
802.11n HT20
Channel: 157



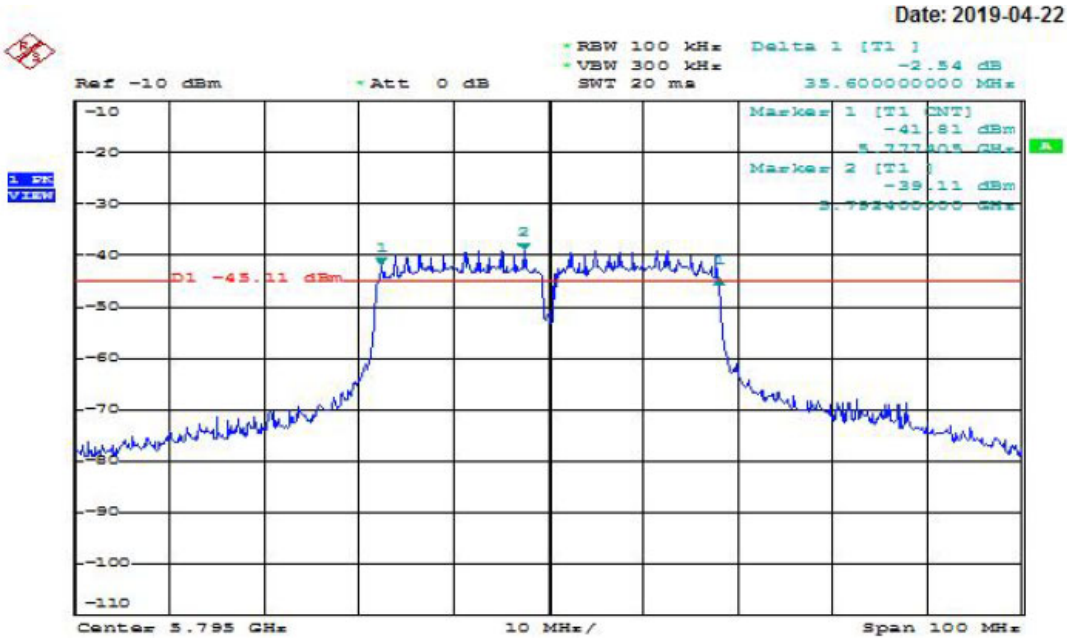
802.11n HT20
Channel: 165



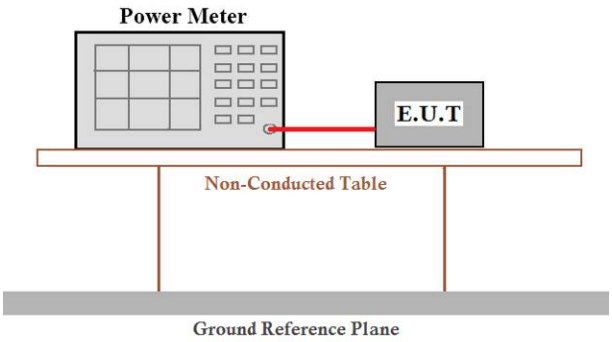
802.11n HT40
Channel: 151



802.11n HT40
Channel: 159



9. Output Power

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02
Limit:	For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 250mW. For the band 5.745-5.850 GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 30dBm
Test setup:	
Test procedure:	**Measurement using an RF average power meter** (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle. b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B). (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter. (iv) Adjust the measurement in dBm by adding 10 log(1/x) where x is the duty cycle (e.g., 10log(1/0.25) if the duty cycle is 25 percent).
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details

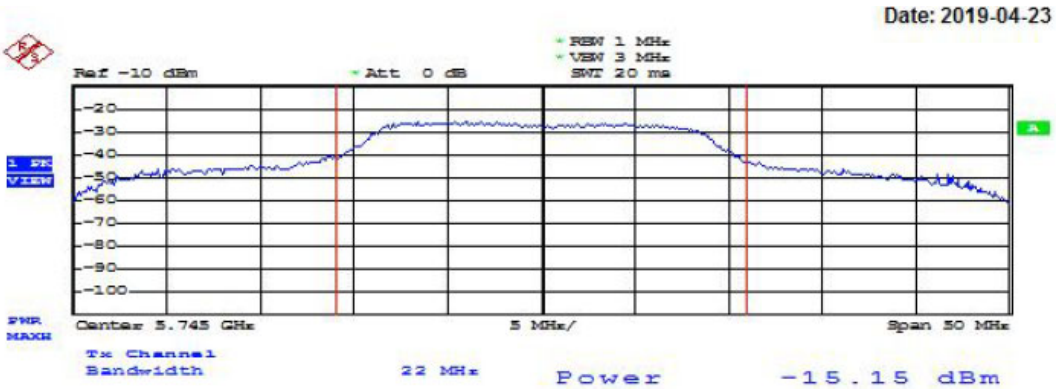
9.1 Test Result and Data

U-NII-3

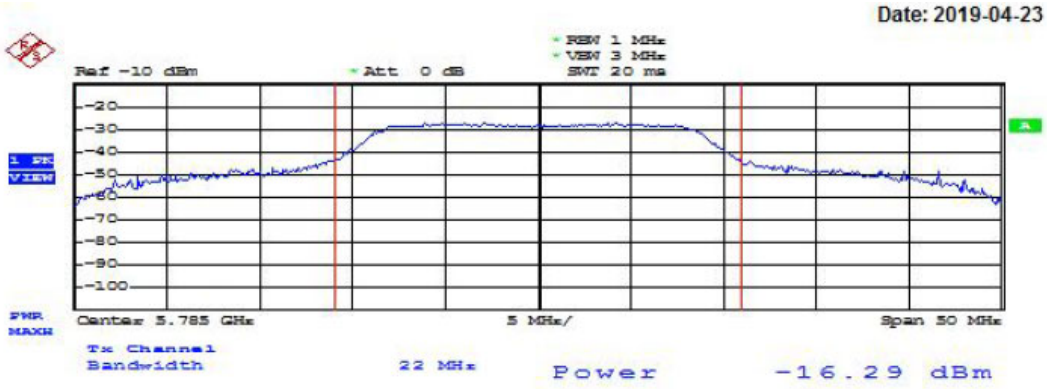
Modulation Type	Channel	Frequency (MHz)	Peak Power Output (dBm)		Peak Power Output (mW)	
			ANT R	ANT L	ANT R	ANT L
802.11a	149	5745	-15.15	-20.61	0.0305	0.0086
	157	5785	-16.29	-21.12	0.0234	0.0077
	165	5825	-15.21	-20.56	0.0301	0.0087
Modulation Type	Channel	Frequency (MHz)	Peak Power Output (dBm)			Peak Power
			ANT R	ANT L	R + L	R + L
802.11n HT20	149	5745	-15.73	-20.42	-14.46	0.0358
	157	5785	-16.08	-20.78	-14.81	0.0330
	165	5825	-15.00	-20.34	-13.89	0.0408
802.11n HT40	151	5755	-16.75	-21.54	-15.51	0.0281
	159	5795	-16.54	-21.3	-15.29	0.0295

Antenna R

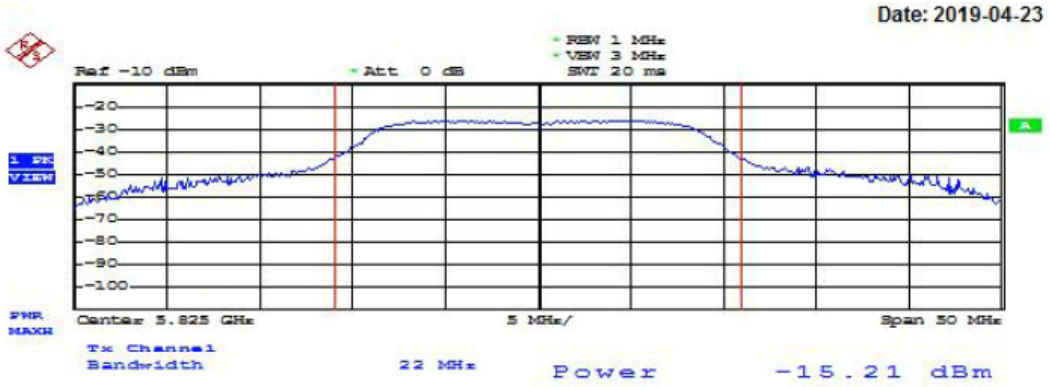
802.11a
Channel: 149



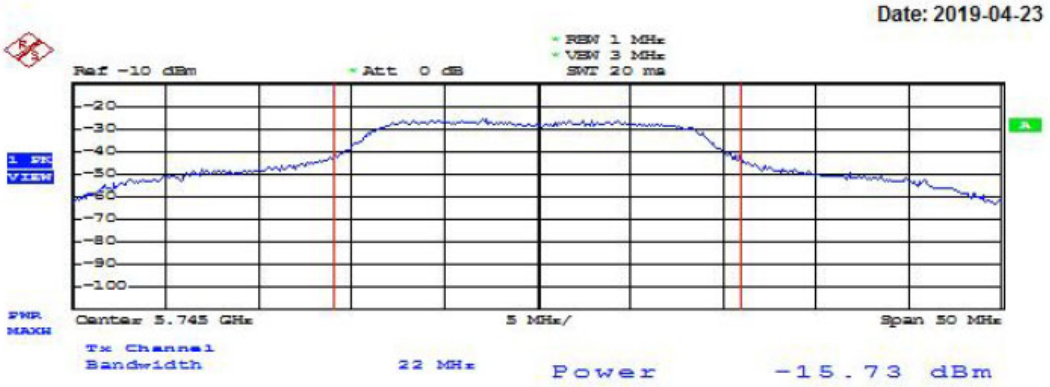
802.11a
Channel: 157



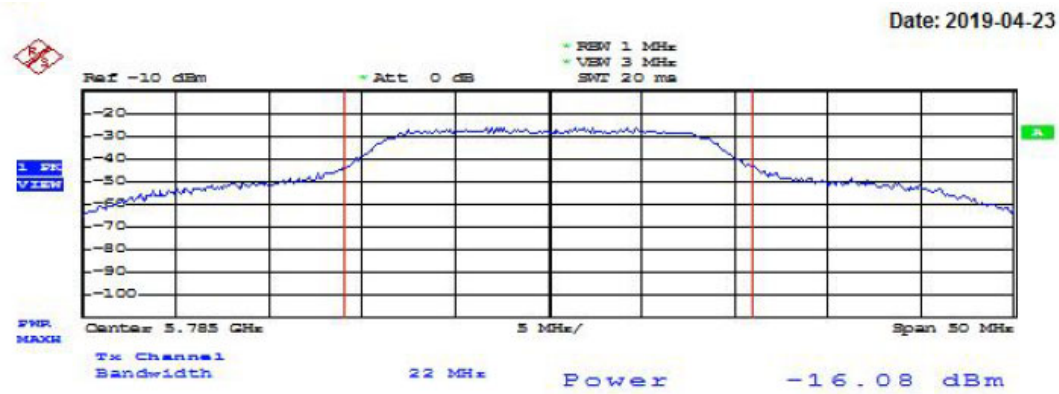
802.11a
Channel: 165



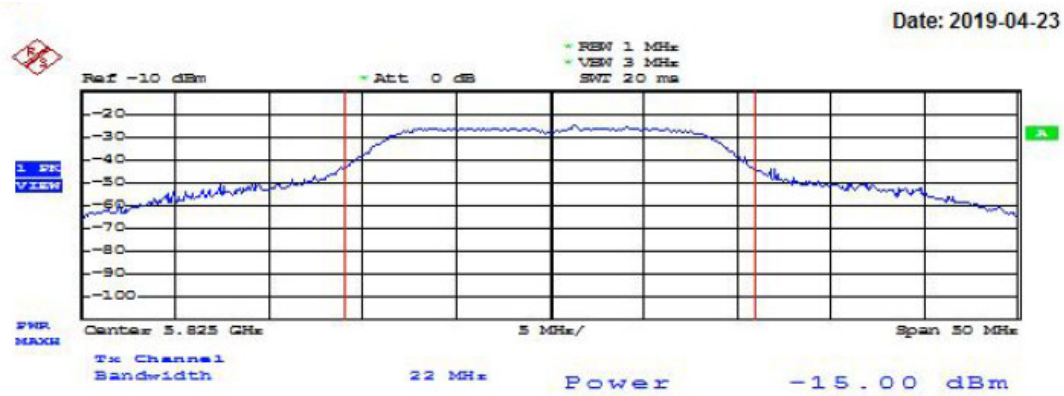
802.11n HT20
Channel: 149



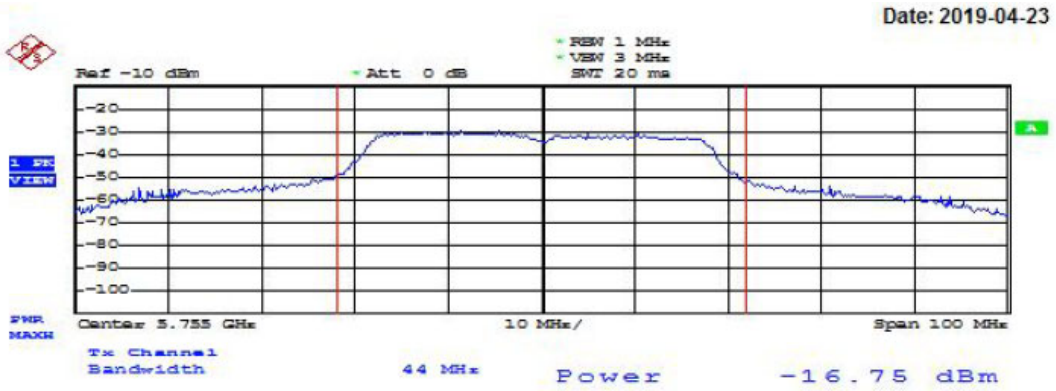
802.11n HT20
Channel: 157



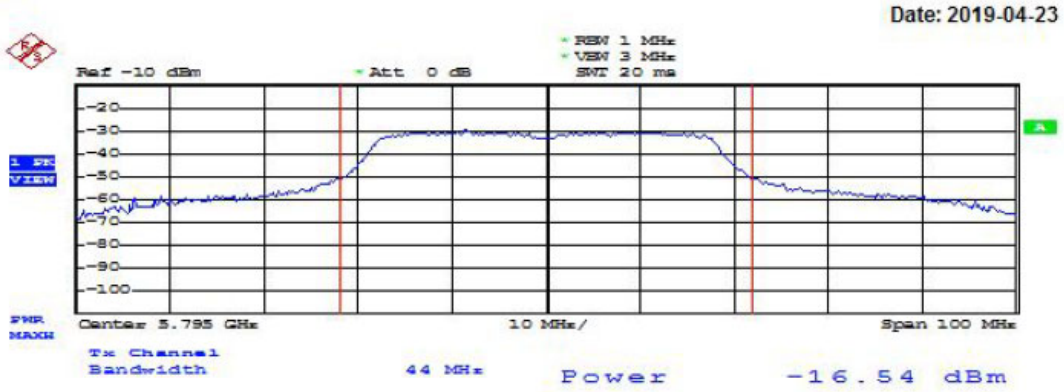
802.11n HT20
Channel: 165



802.11n HT40
Channel: 151

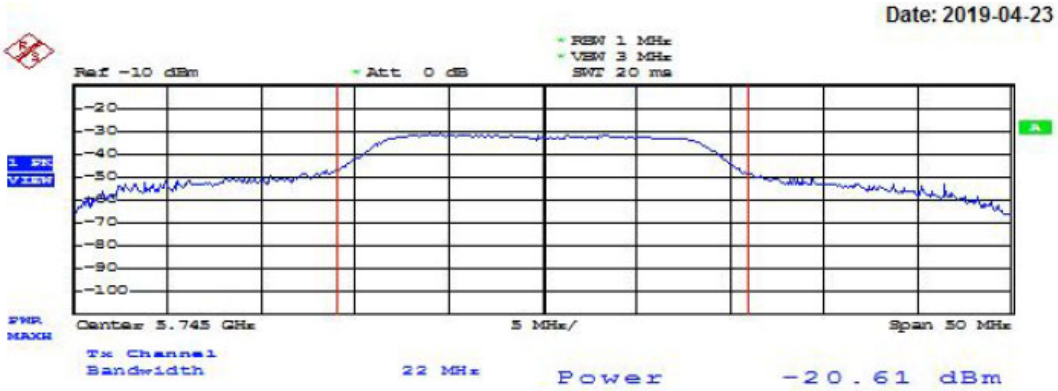


802.11n HT40
Channel: 159

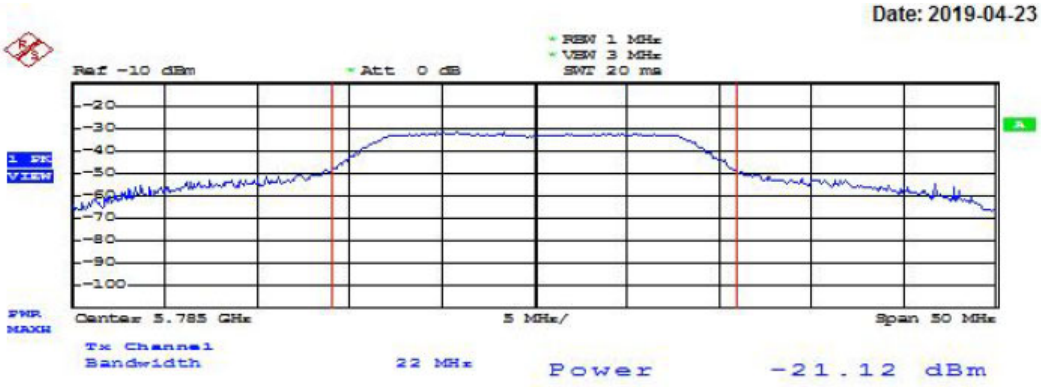


Antenna L

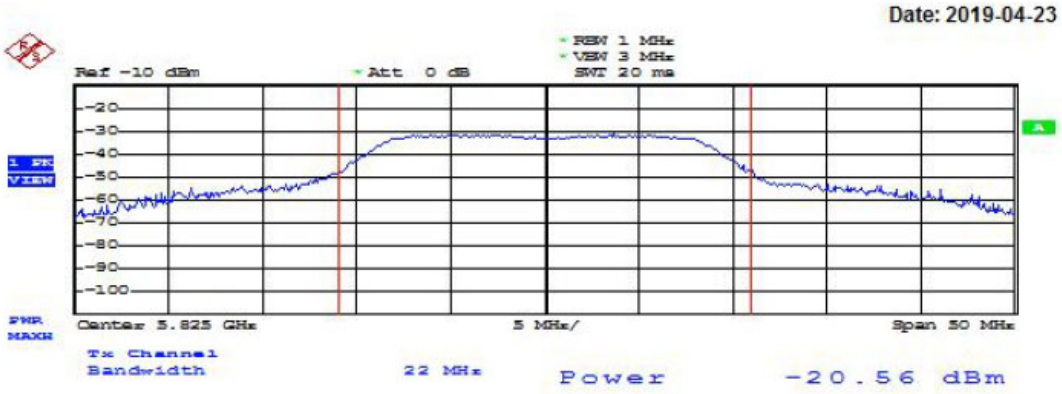
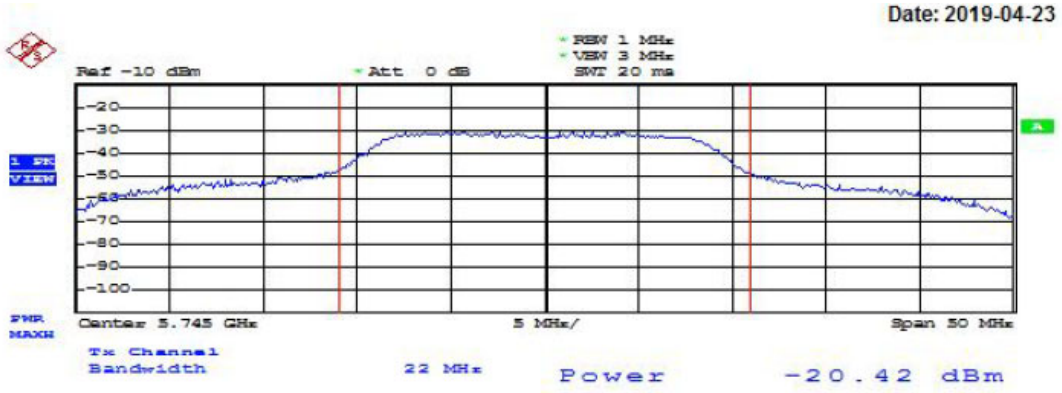
802.11a
Channel: 149



802.11a
Channel: 157



802.11a
Channel: 165



802.11n HT20
Channel: 149