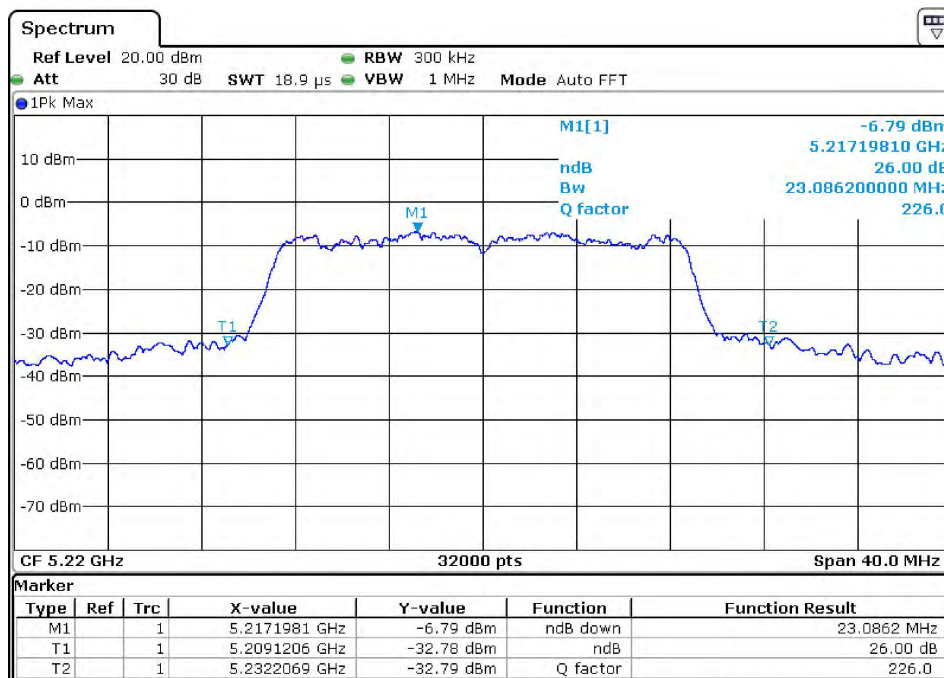
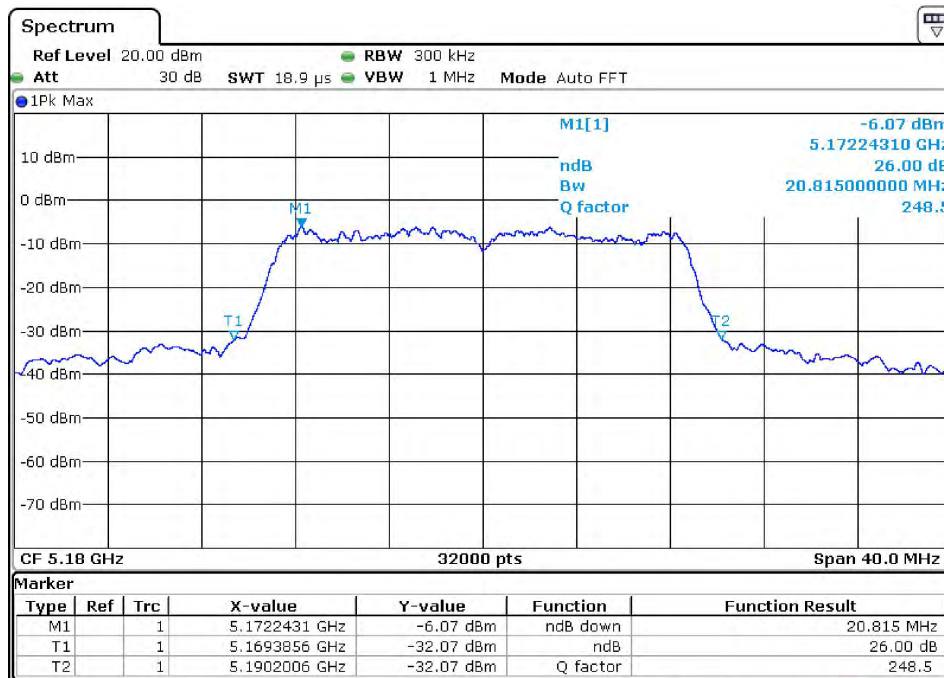
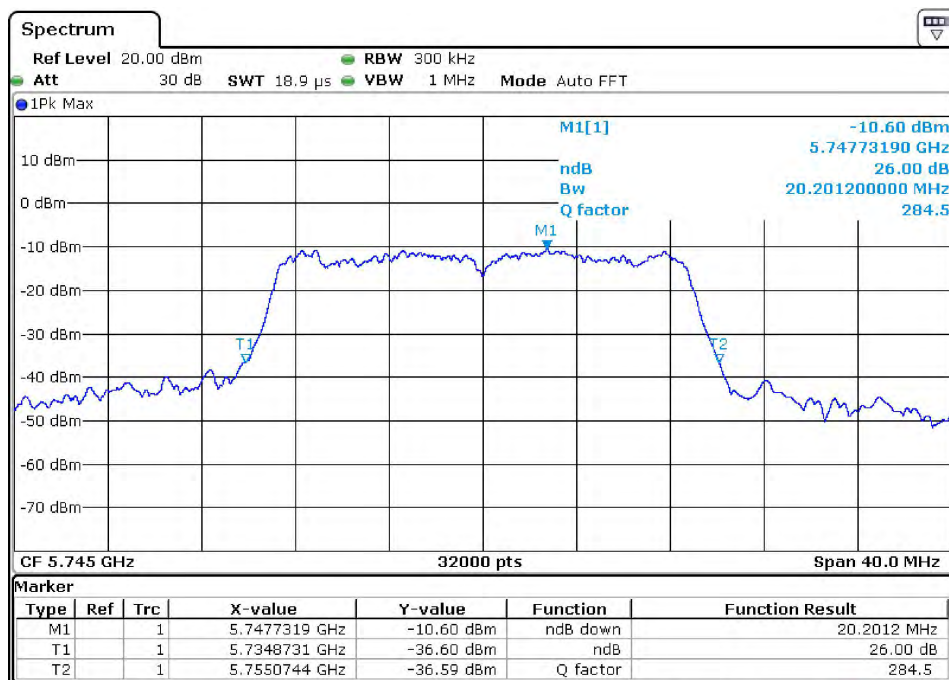
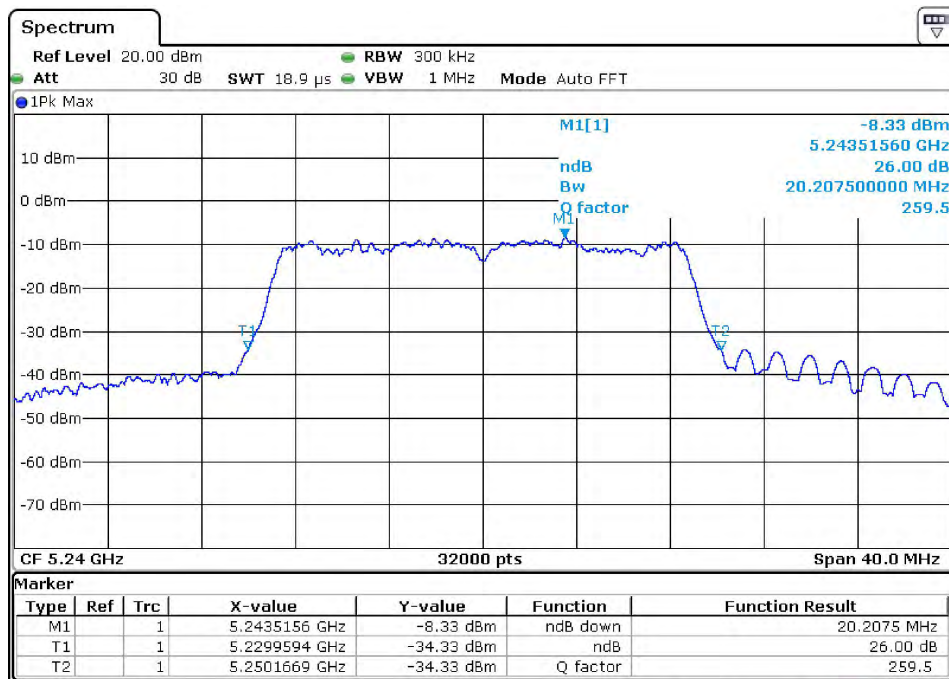
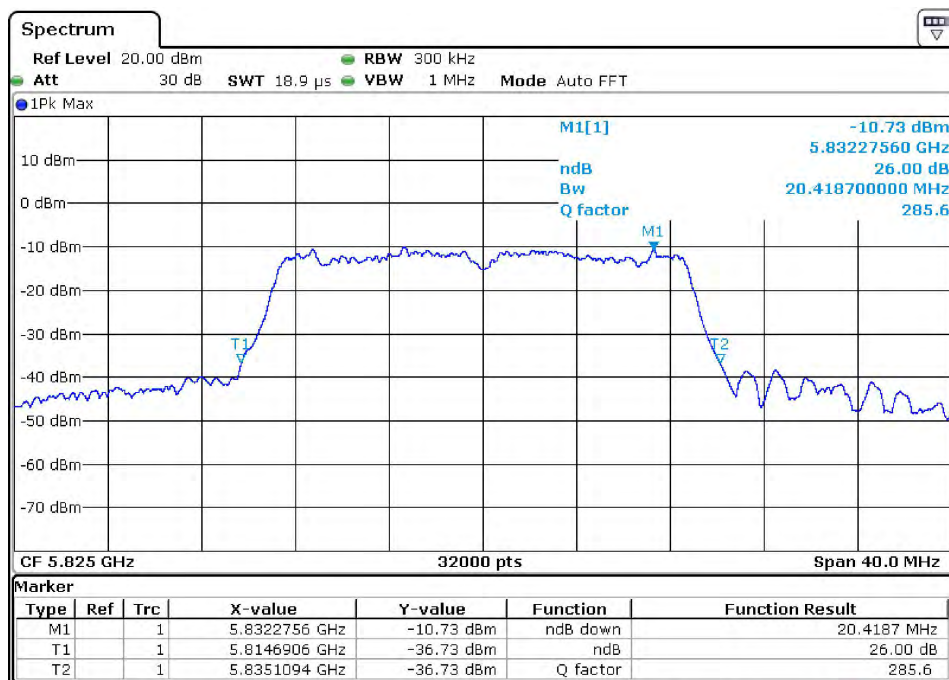
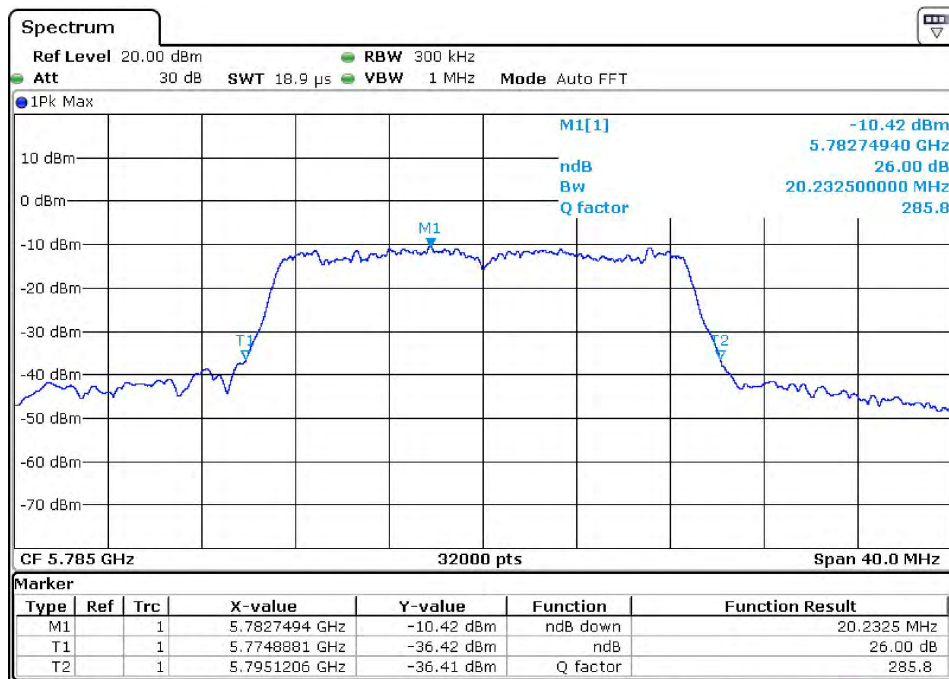




Ant 802.11 ac20

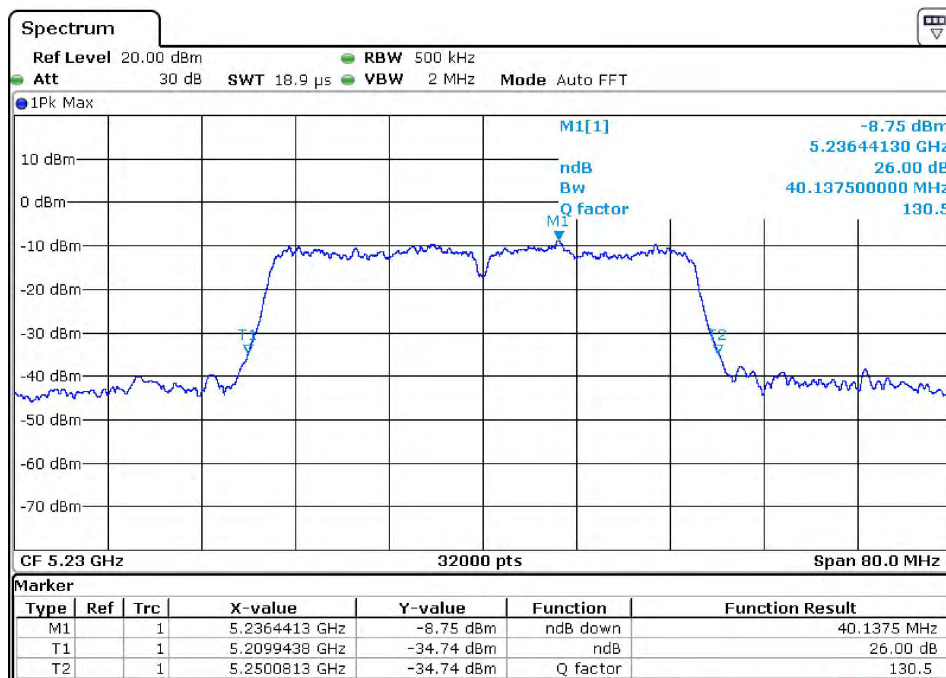
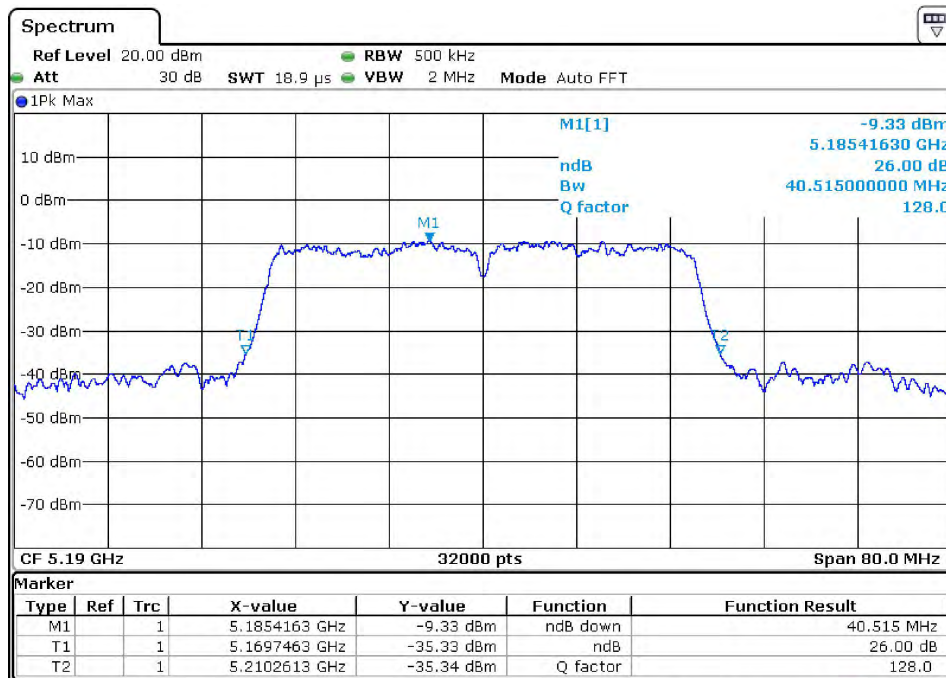


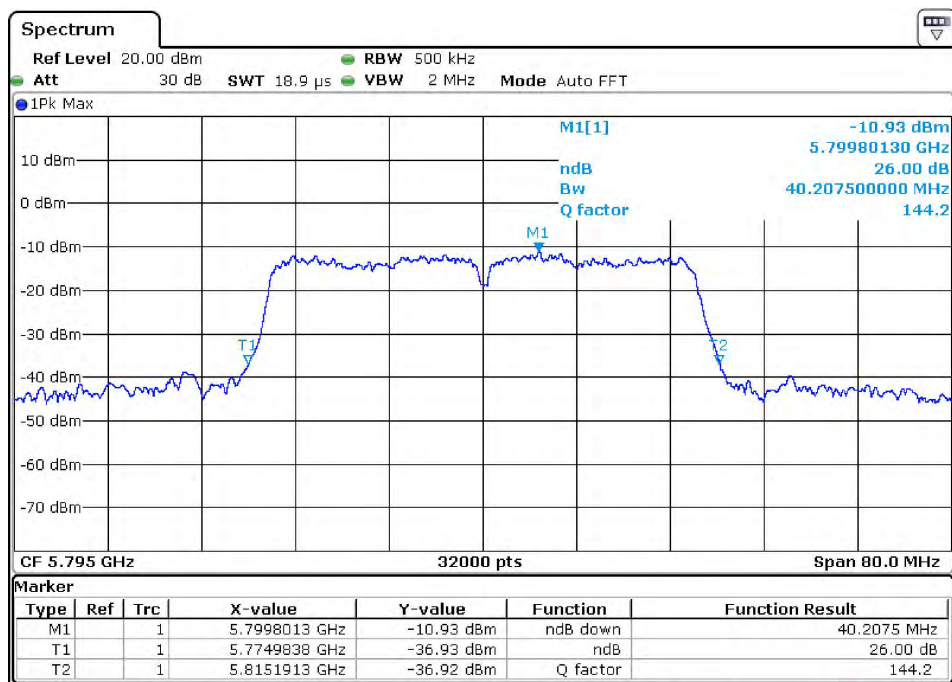
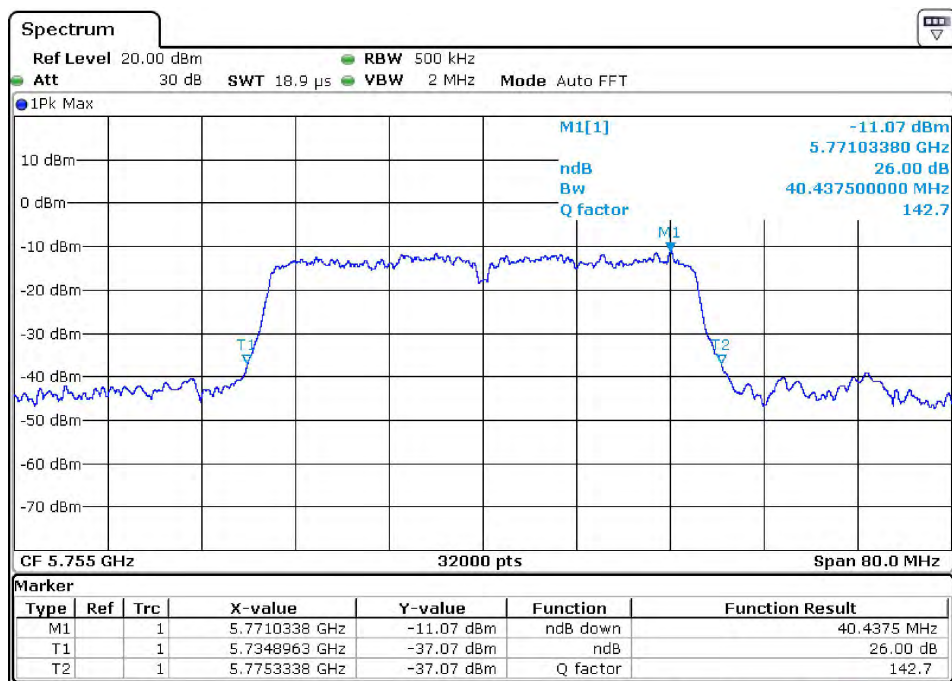






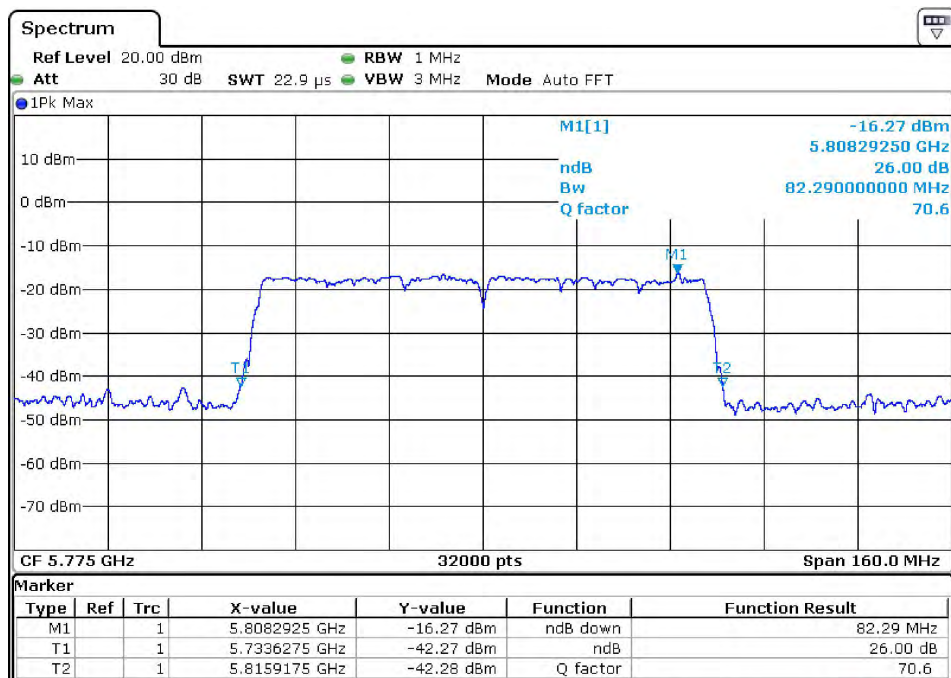
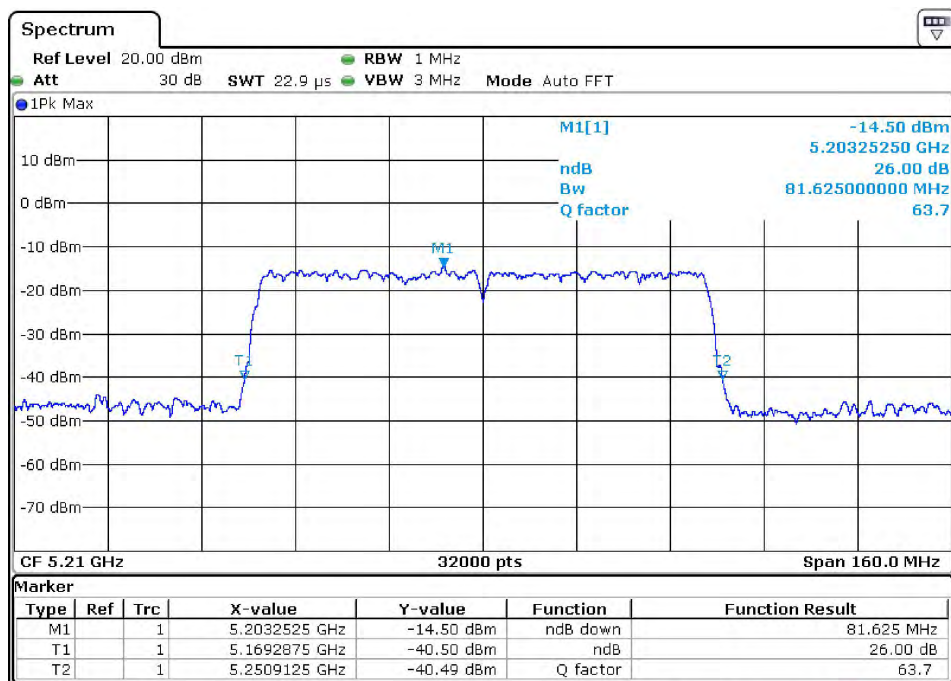
Ant 802.11 ac40







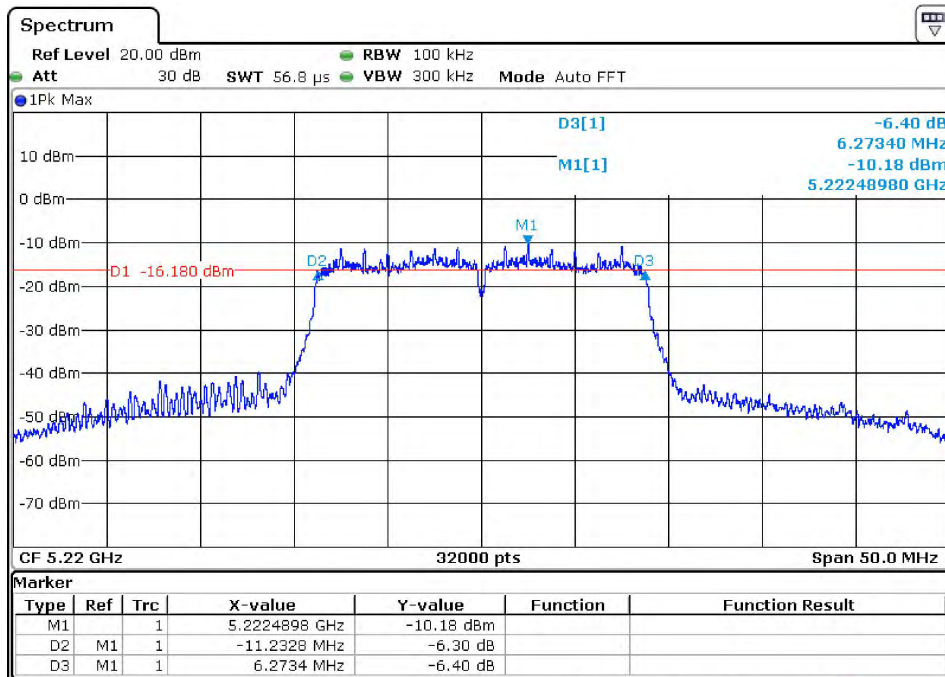
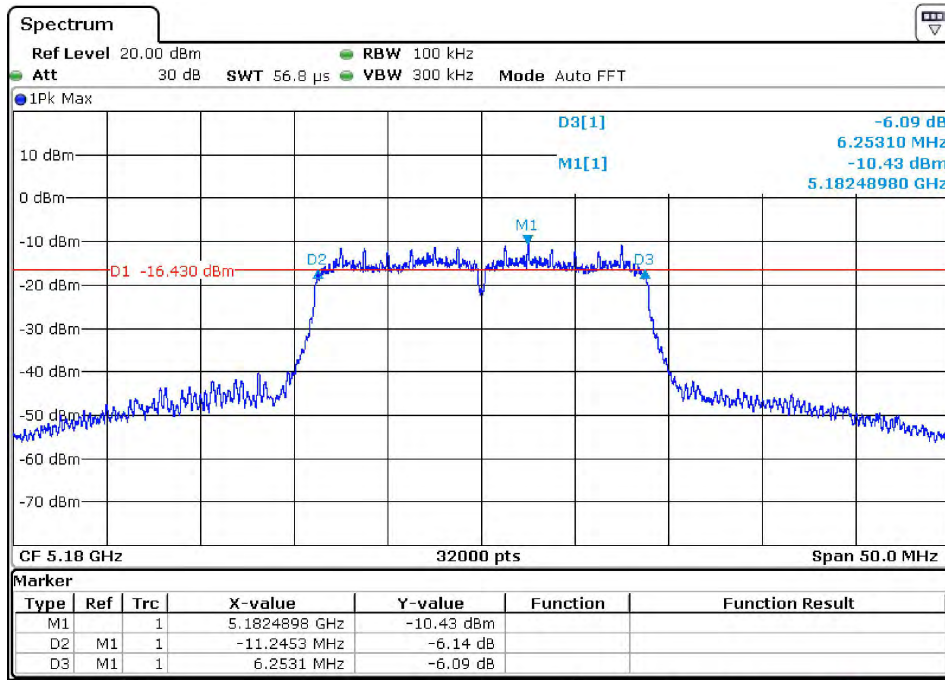
Ant 802.11 ac80

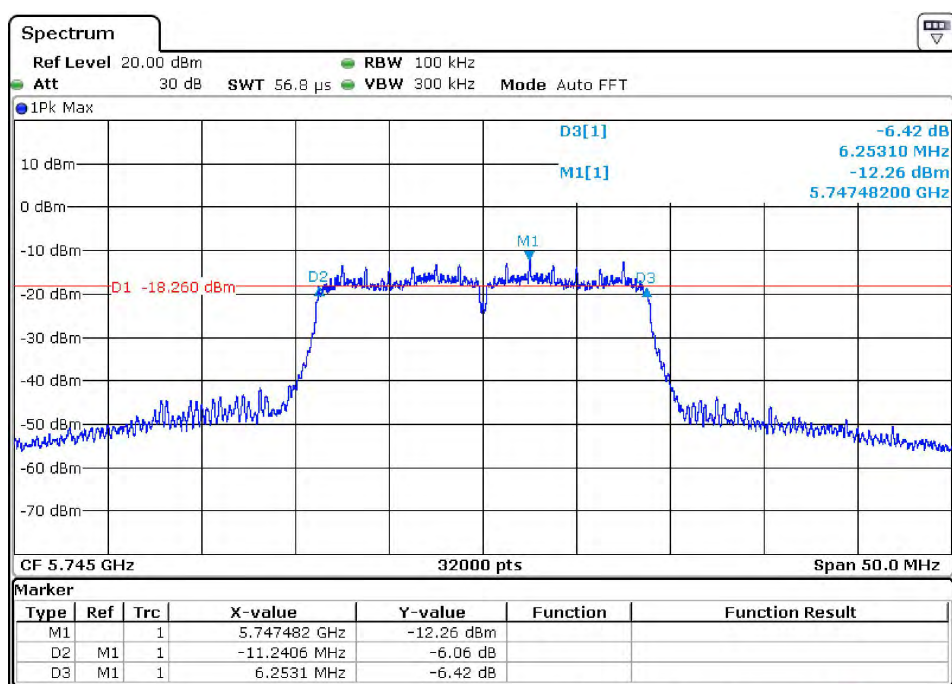
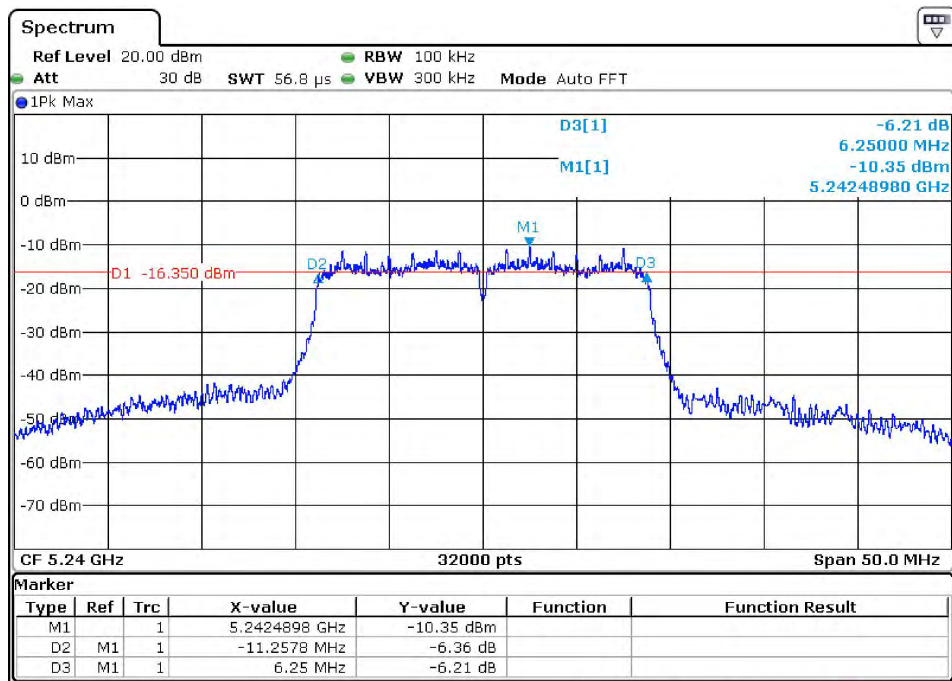


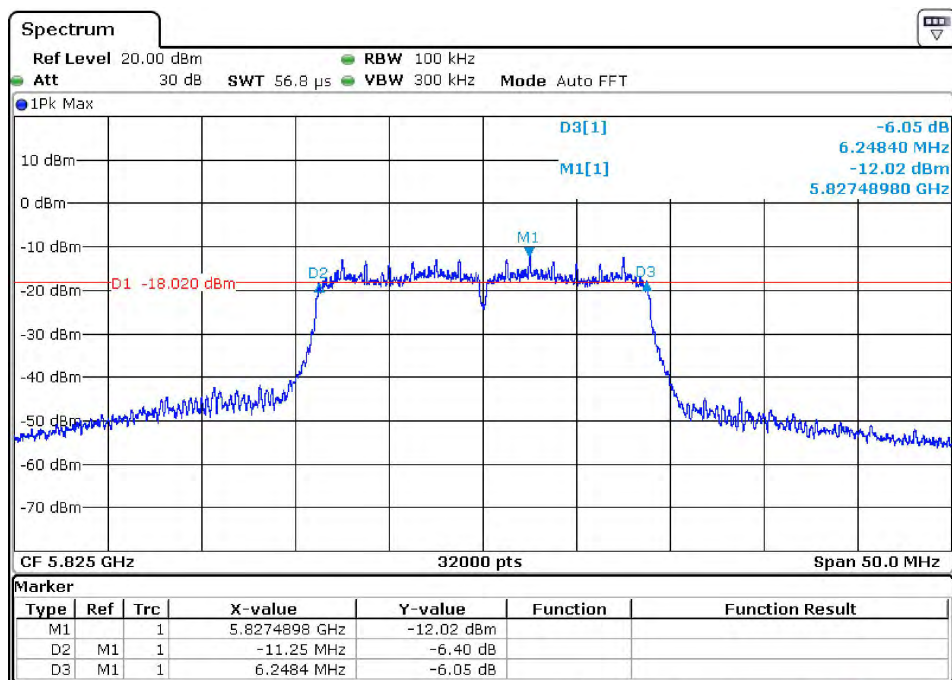
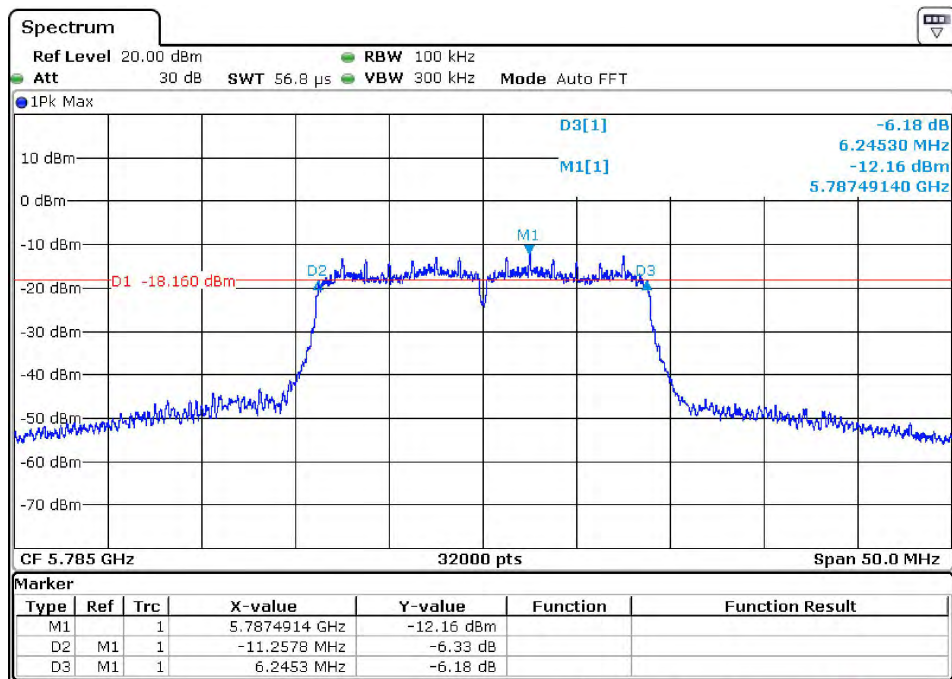


6 dBc Bandwidth plot as follows:

Ant 802.11 a

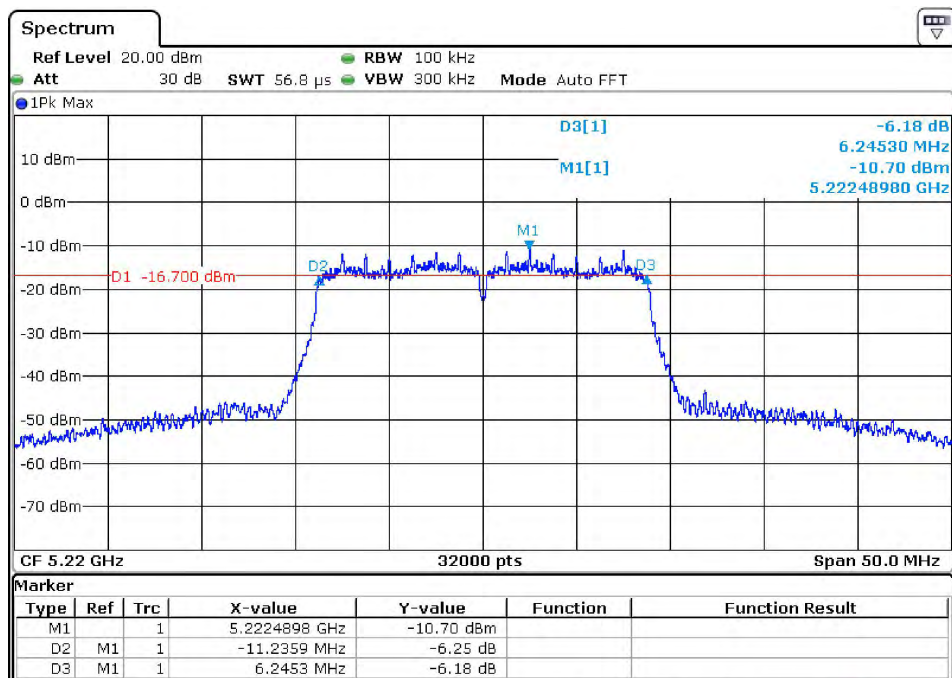
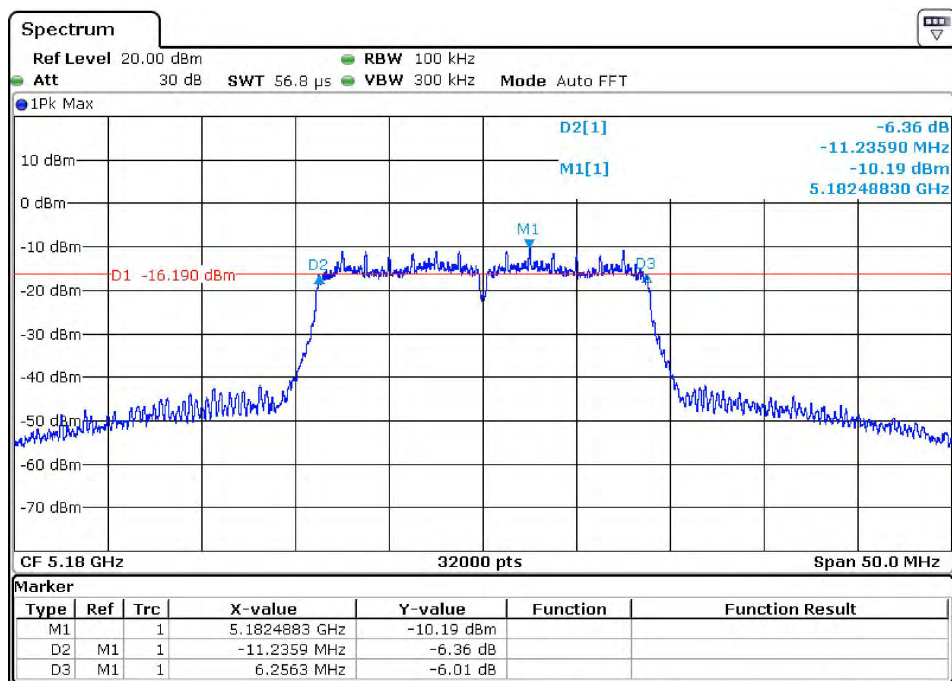


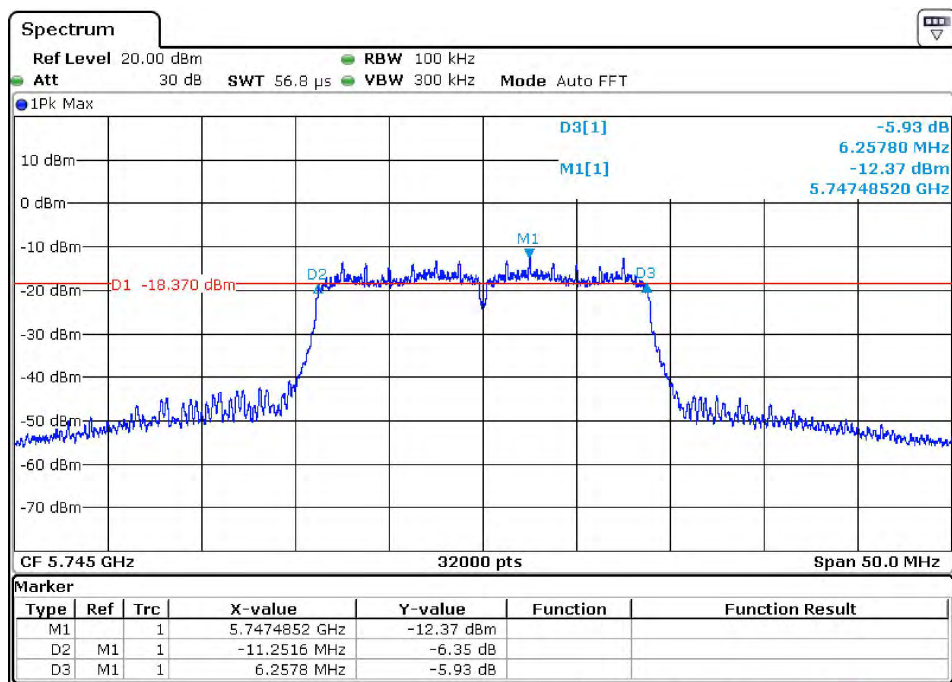
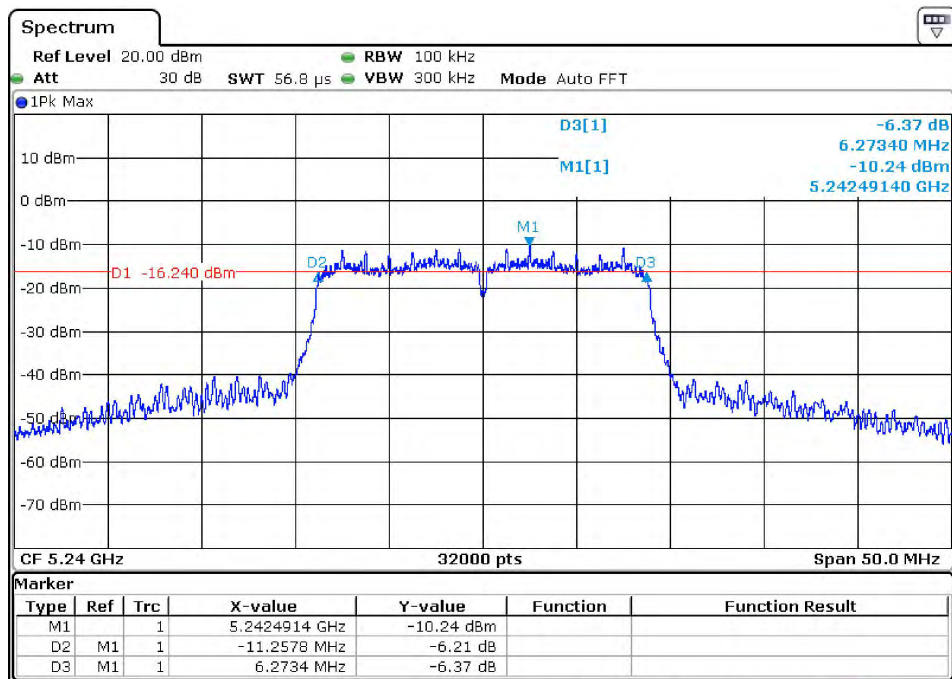


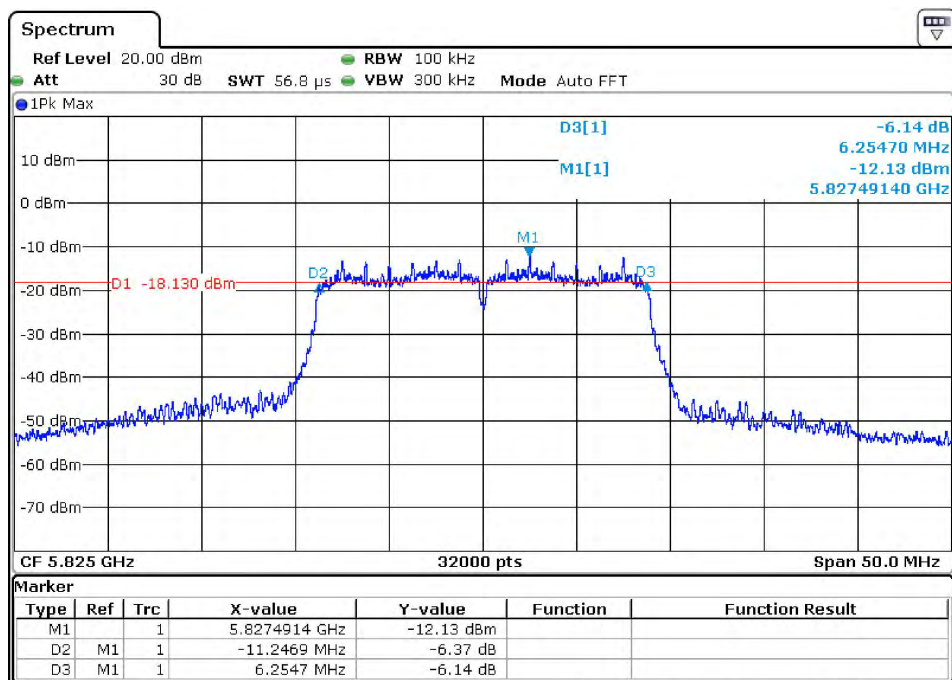
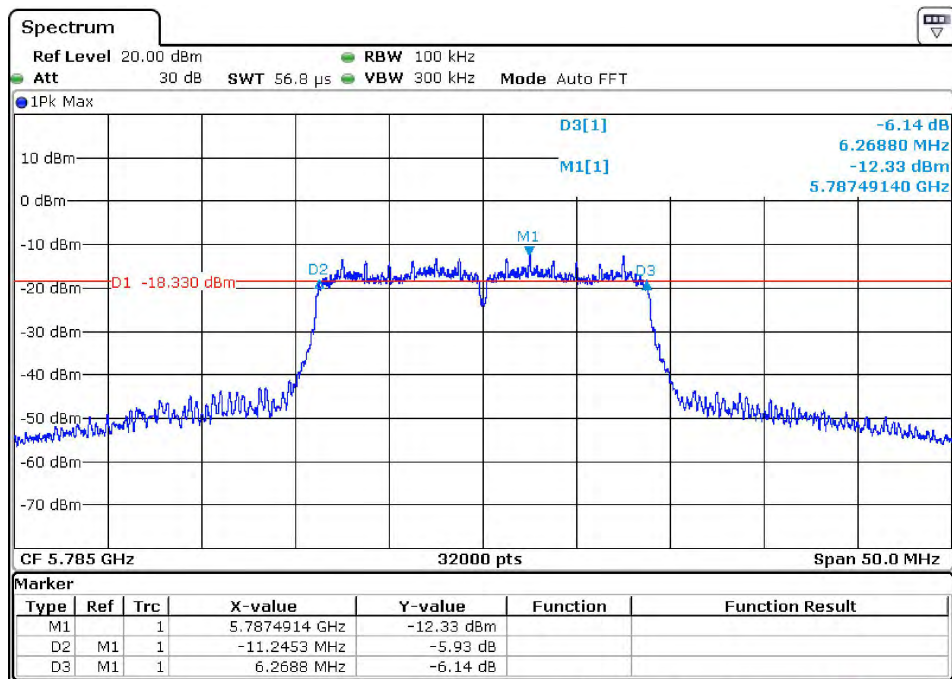




Ant 802.11 n20

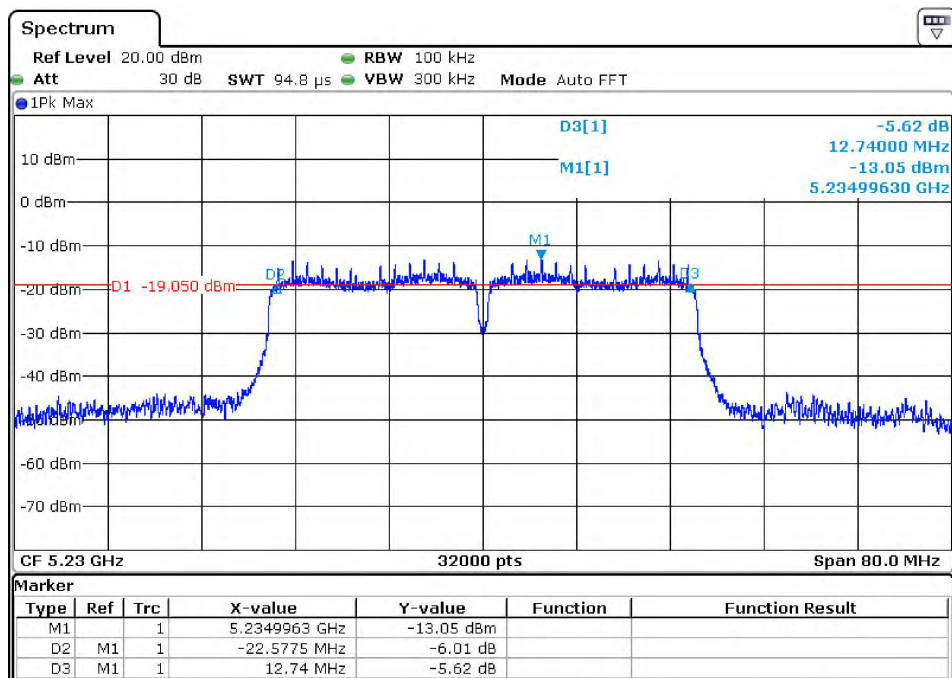
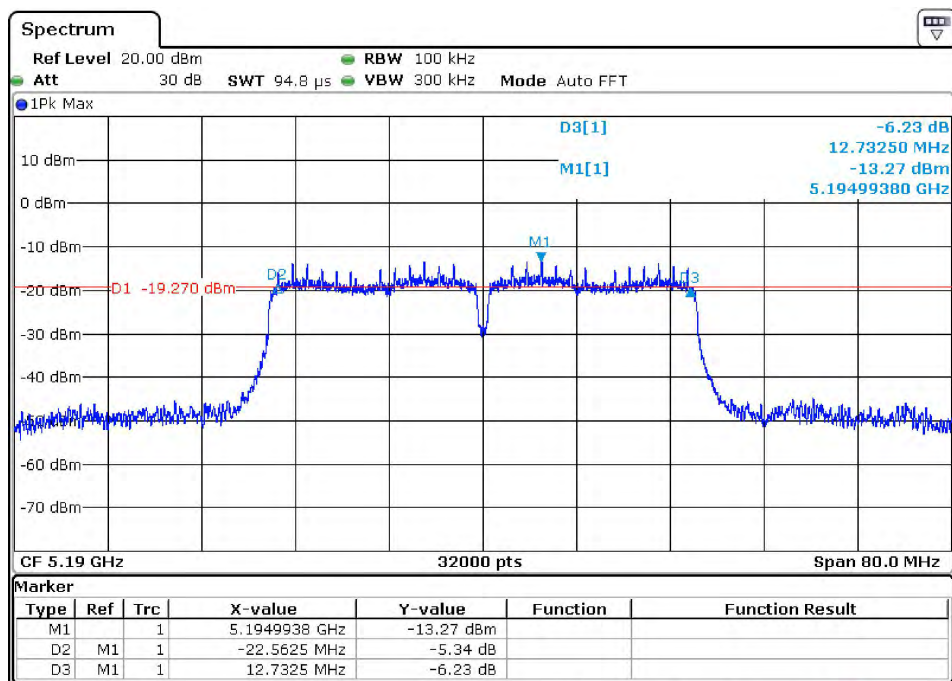


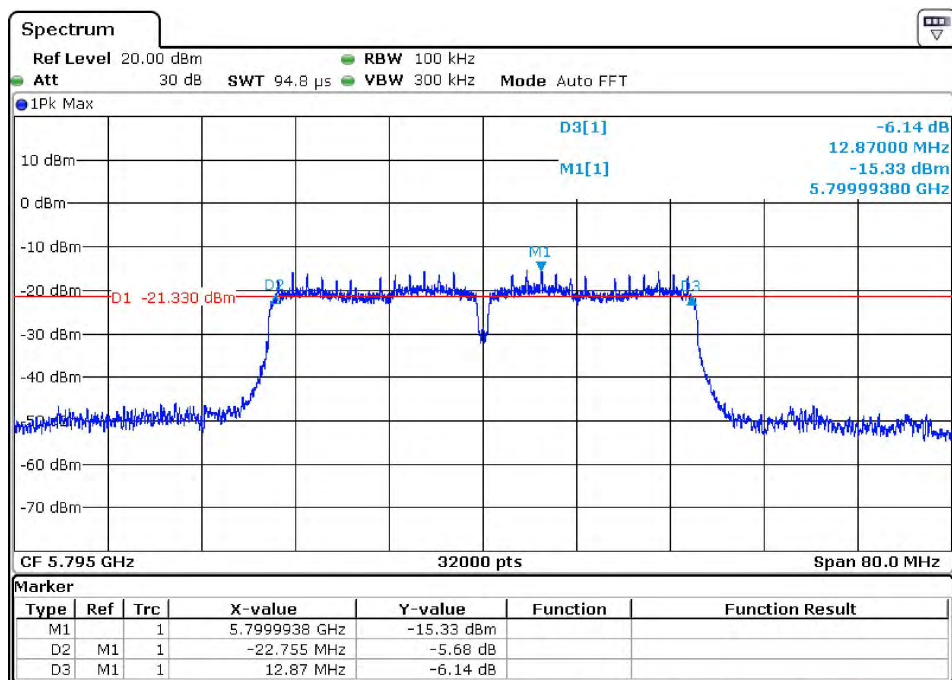
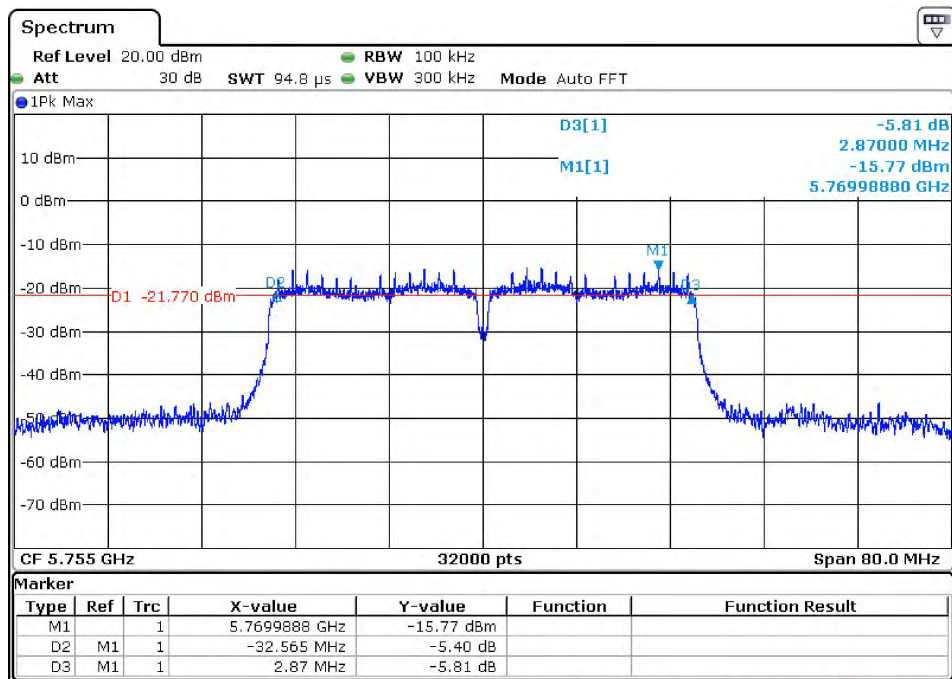






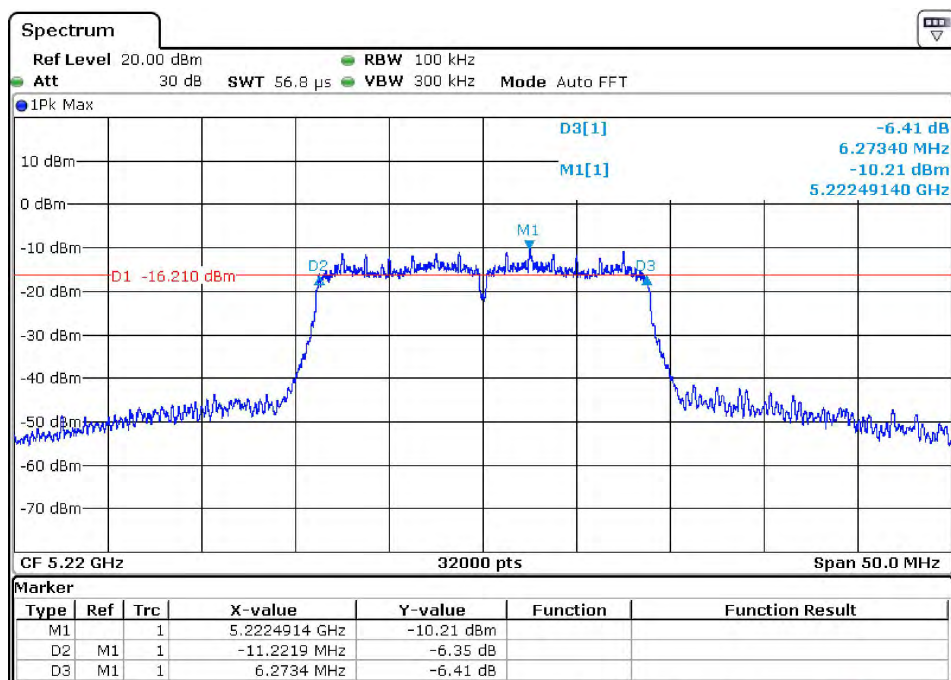
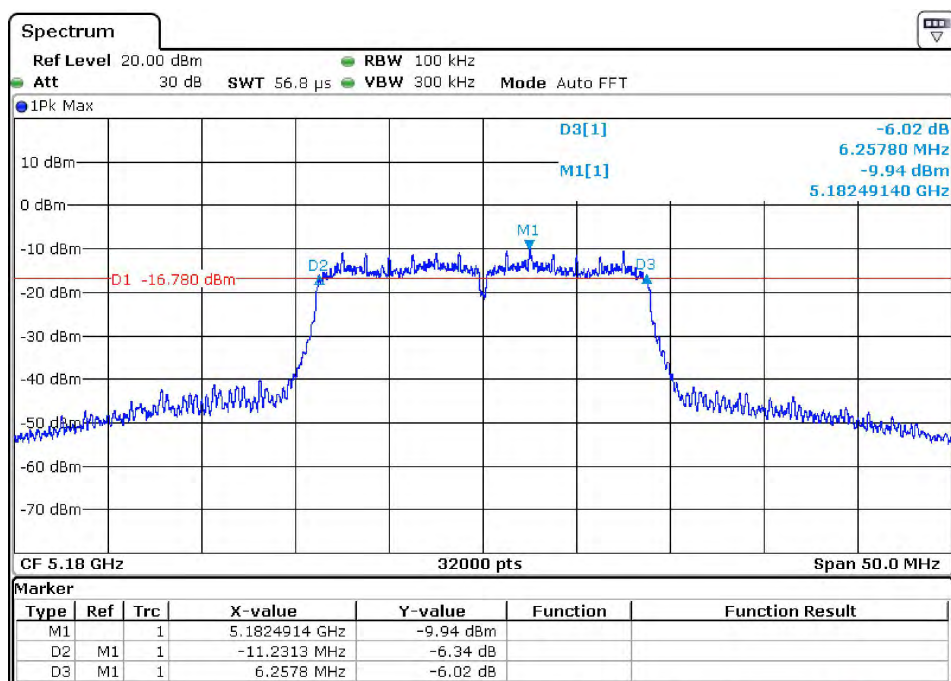
Ant 802.11 n40

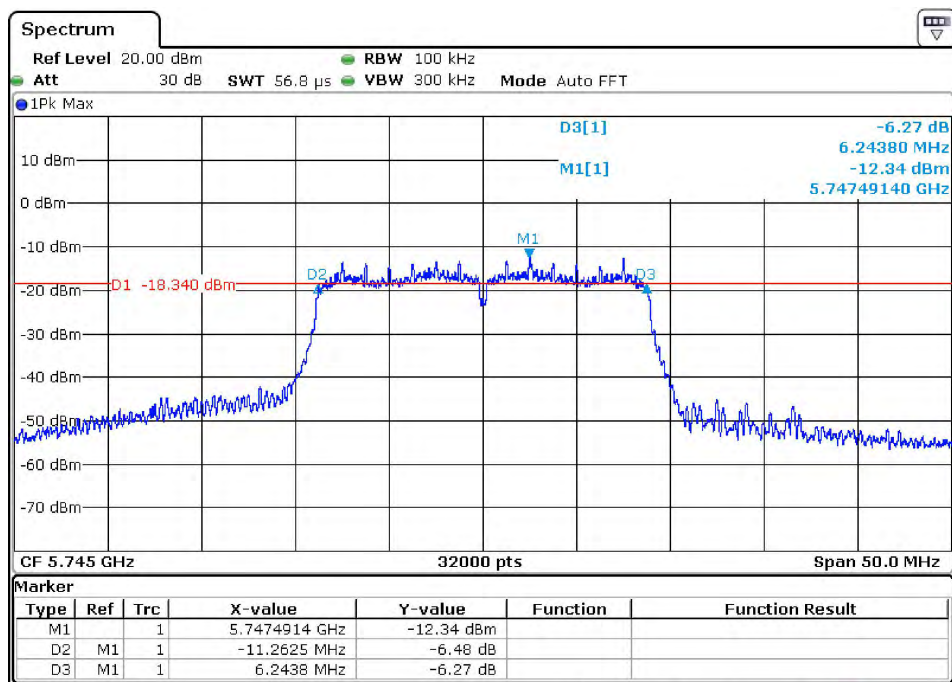
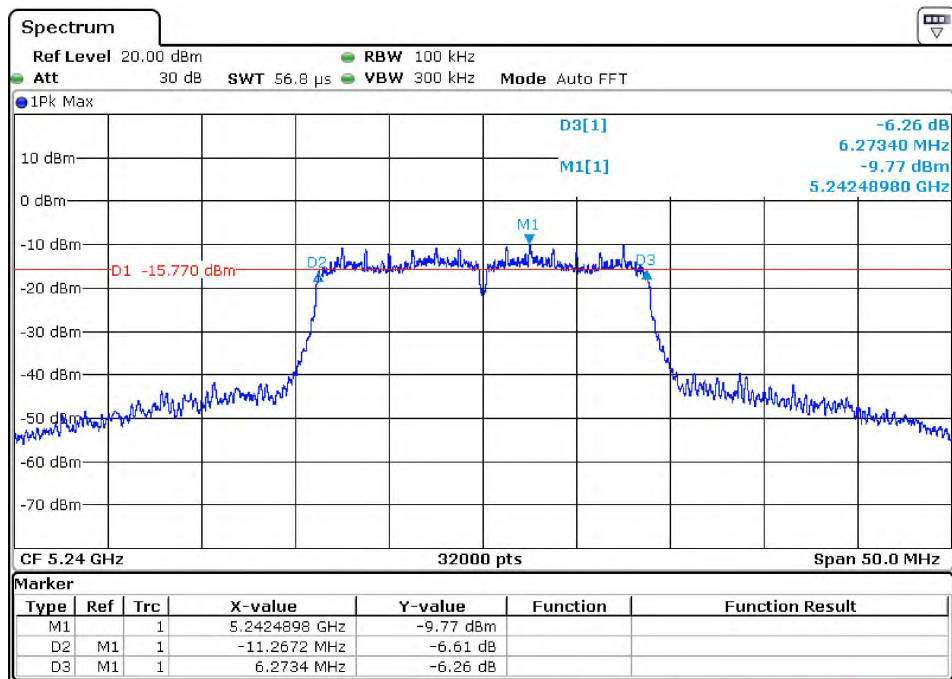


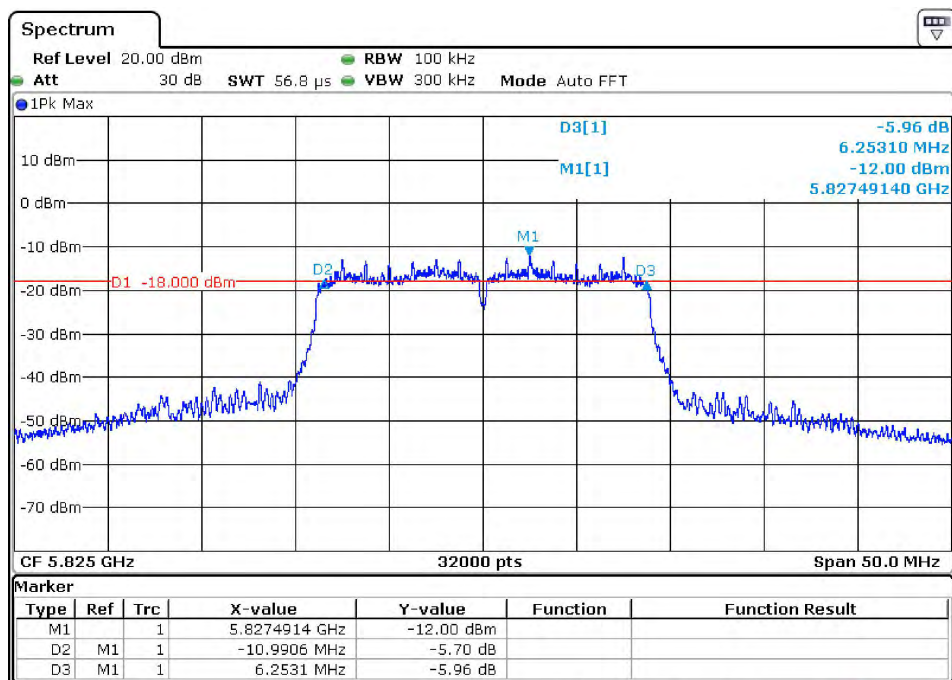
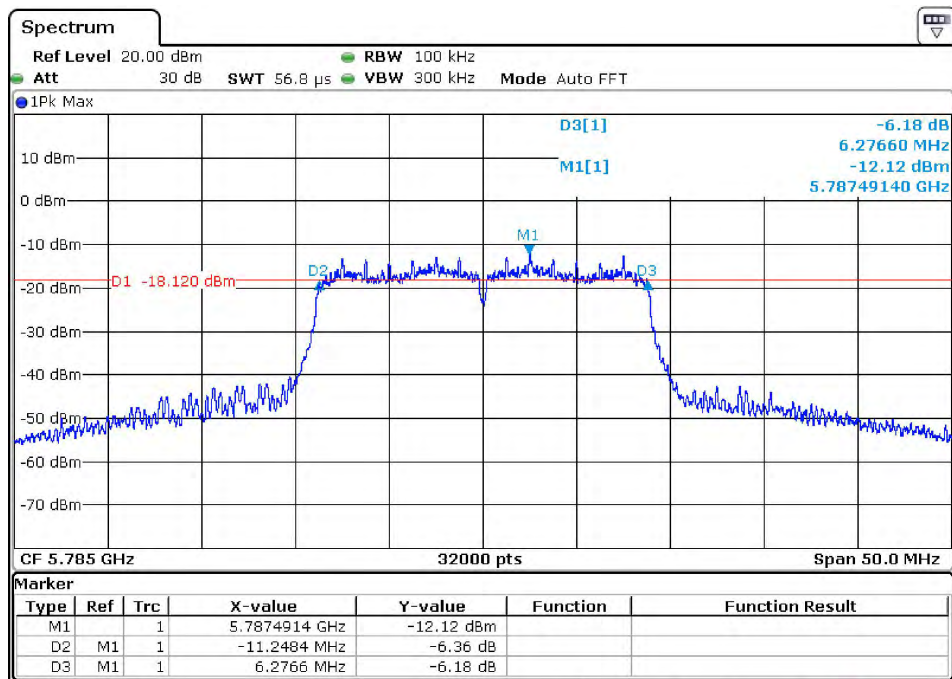




Ant 802.11 ac20

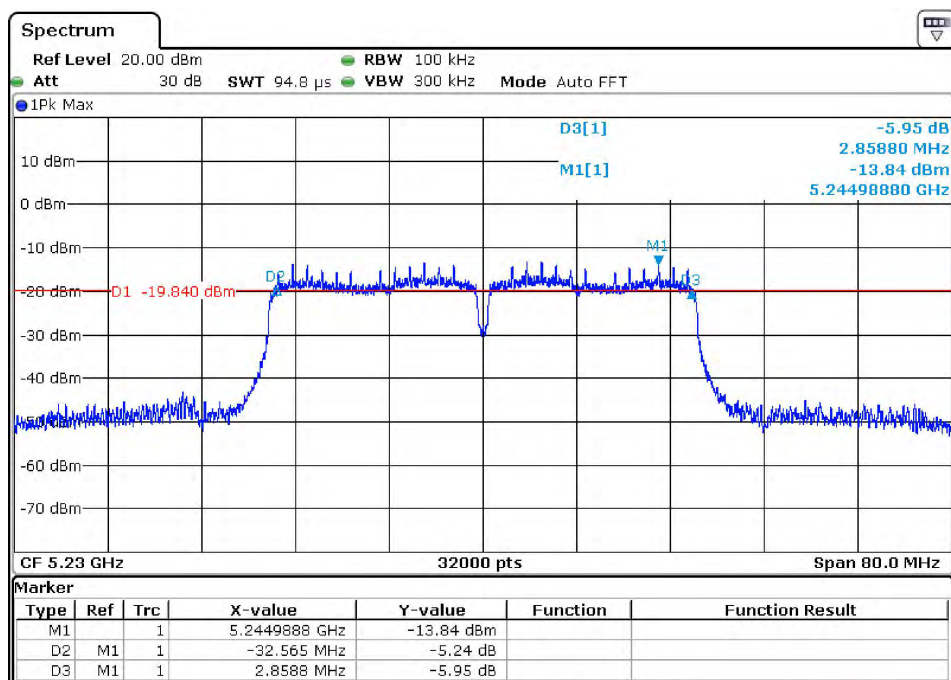
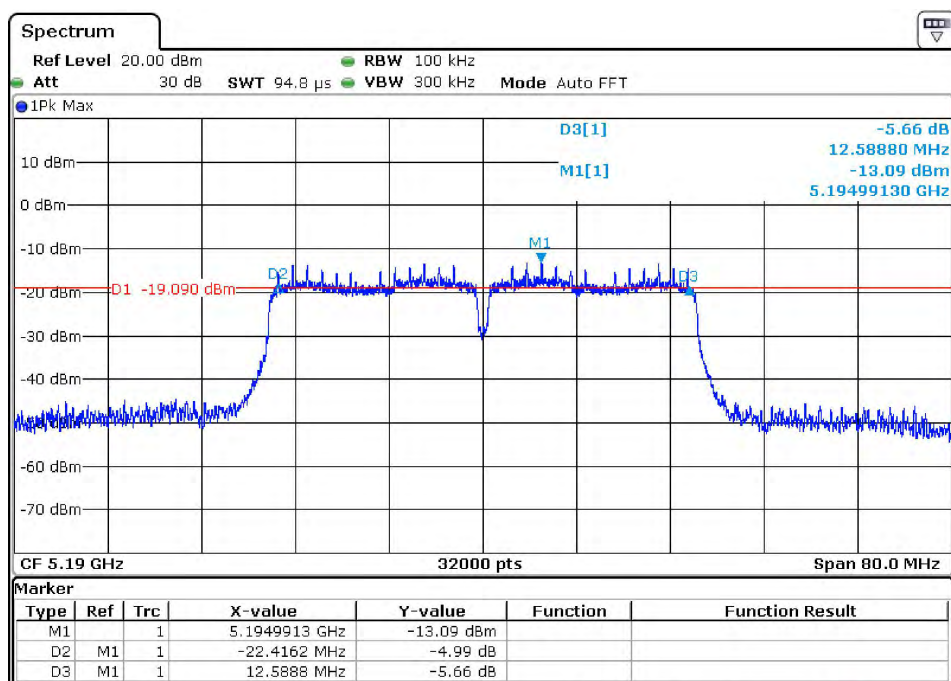


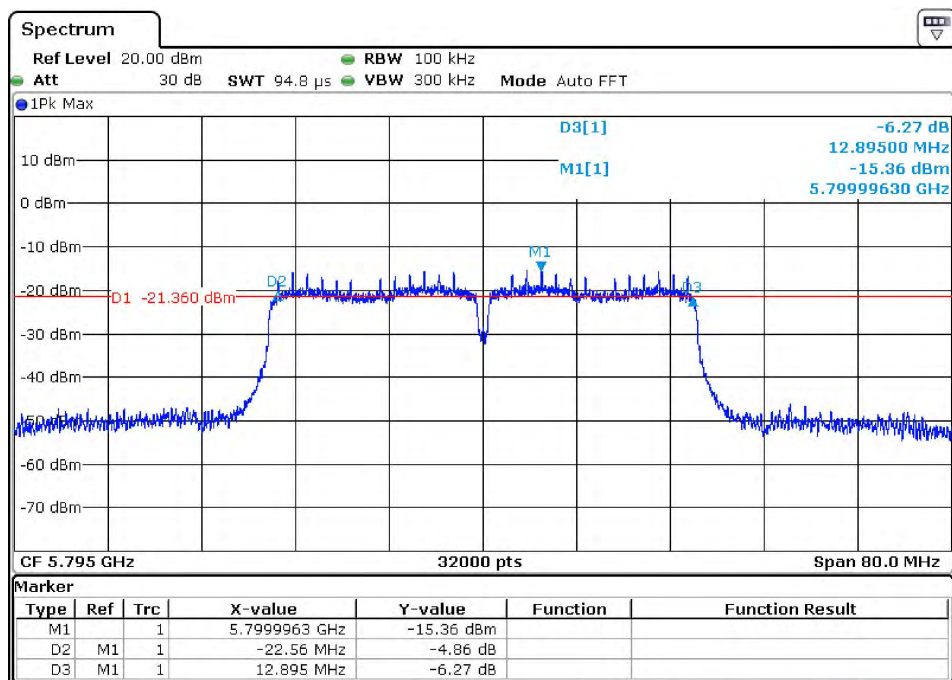
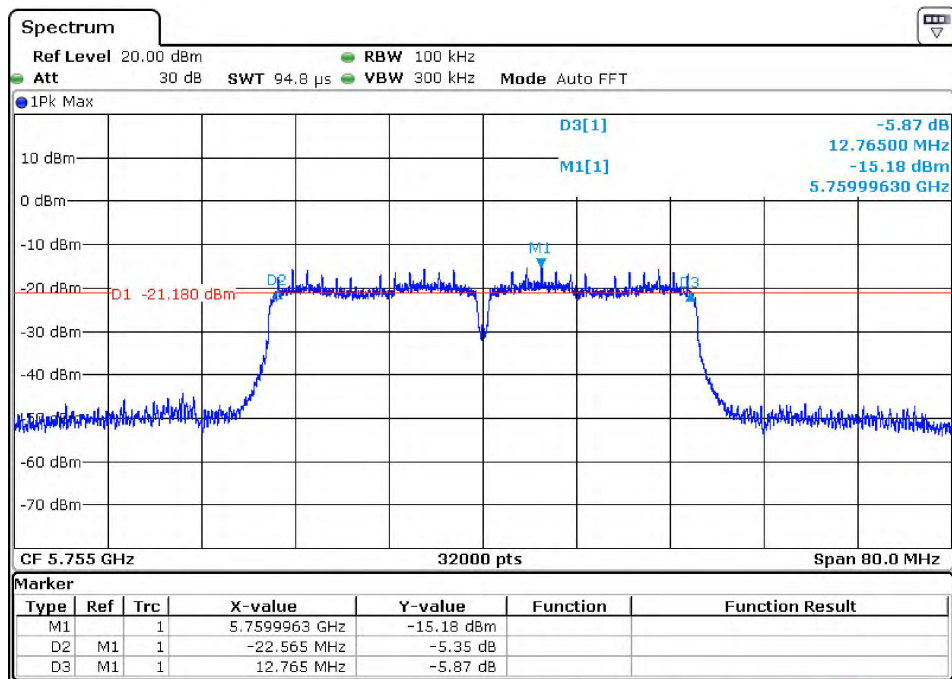






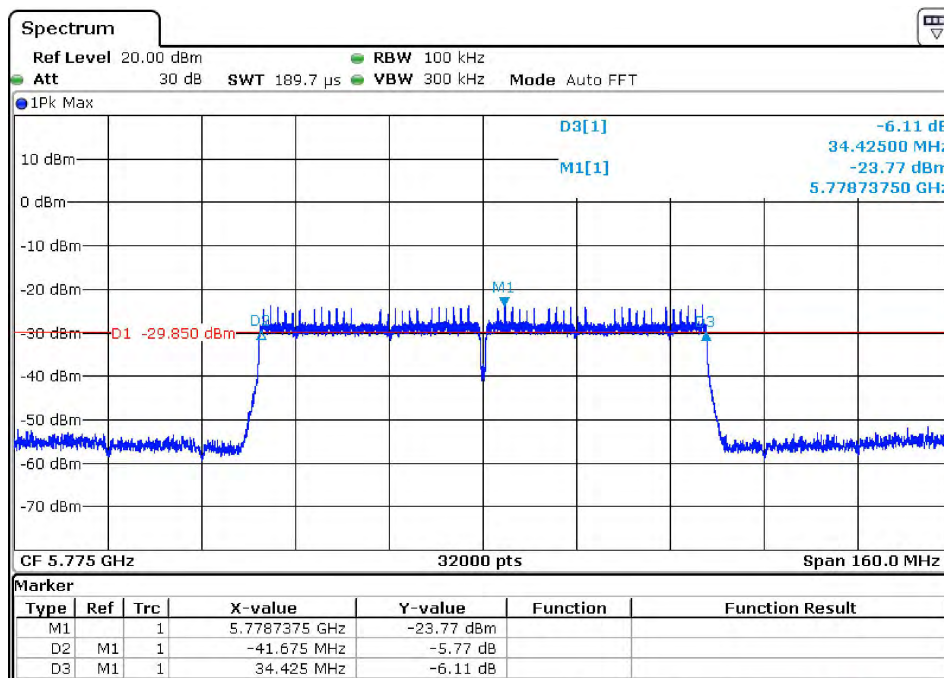
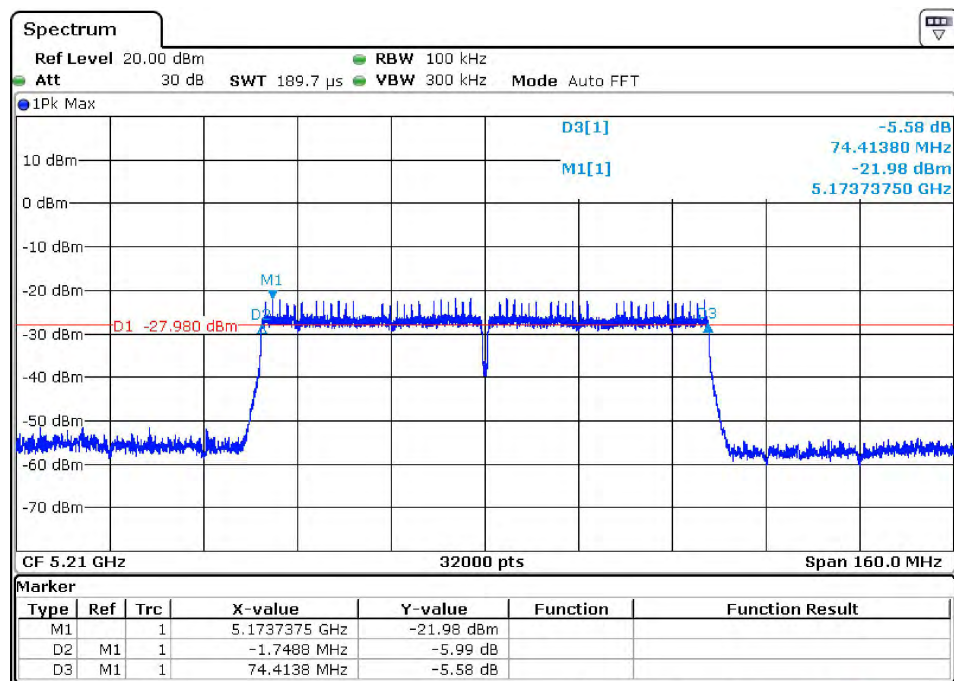
Ant 802.11 ac40







Ant 802.11 ac80



5.5 Peak Power Density

5.5.1 Applied procedures / Limit

1. For the band 5.150-5.250 GHz, the peak power spectral density shall not exceed 11 dBm in any 1000KHz band.
2. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna directional gain is greater than 6 dBi, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.5.2 Test procedure

1. The setting follows Method SA-1 of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01 . For devices operating in the band, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (*i.e.*, 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:
 - a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
 - b) Set $VBW \geq 3$ RBW.
 - c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
 - d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
 - e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

5.5.3 TEST SETUP



5.5.4 Deviation from standard

No deviation.



5.5.5 Test results

Test Mode	NTx	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant PSD (dBm/MHz)	Limit (dBm /MHz)	Result
11a	2	6	36	5180	-1.16	11.00	Pass
11a	2	6	44	5220	-0.81	11.00	Pass
11a	2	6	48	5240	-0.89	11.00	Pass
11a	2	6	149	5745	-3.31	30.00	Pass
11a	2	6	157	5785	-3.15	30.00	Pass
11a	2	6	165	5825	-2.58	30.00	Pass
11n-HT20	2	7.2	36	5180	-0.48	11.00	Pass
11n-HT20	2	7.2	44	5220	-0.82	11.00	Pass
11n-HT20	2	7.2	48	5240	-0.98	11.00	Pass
11n-HT20	2	7.2	149	5745	-2.67	30.00	Pass
11n-HT20	2	7.2	157	5785	-3.35	30.00	Pass
11n-HT20	2	7.2	165	5825	-2.94	30.00	Pass
11n-HT40	2	15	38	5190	-4.19	11.00	Pass
11n-HT40	2	15	46	5230	-4.25	11.00	Pass
11n-HT40	2	15	151	5755	-5.94	30.00	Pass
11n-HT40	2	15	159	5795	-5.95	30.00	Pass
11ac-VHT20	2	7.2	36	5180	-1.02	11.00	Pass
11ac-VHT20	2	7.2	44	5220	-0.90	11.00	Pass
11ac-VHT20	2	7.2	48	5240	-0.64	11.00	Pass
11ac-VHT20	2	7.2	149	5745	-2.99	30.00	Pass
11ac-VHT20	2	7.2	157	5785	-2.83	30.00	Pass
11ac-VHT20	2	7.2	165	5825	-3.16	30.00	Pass
11ac-VHT40	2	15	38	5190	-3.98	11.00	Pass
11ac-VHT40	2	15	46	5230	-3.36	11.00	Pass
11ac-VHT40	2	15	151	5755	-5.94	30.00	Pass
11ac-VHT40	2	15	159	5795	-5.28	30.00	Pass
11ac-VHT80	2	32.5	42	5210	-11.91	11.00	Pass
11ac-VHT80	2	32.5	155	5775	-14.39	30.00	Pass

Result plot as follows:

Ant 802.11 a

