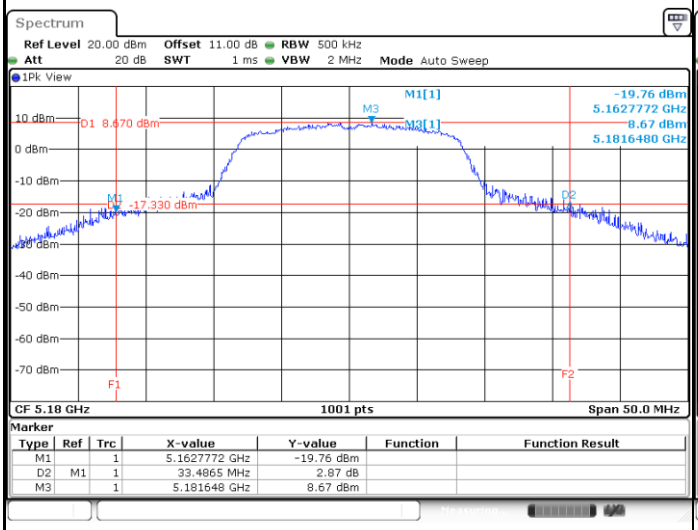
Appendix A: Test Results of Conducted Test

Test Result of 26 dB Bandwidth

802.11a

Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
U-NII-1	36	5180	33.49
	40	5200	39.04
	48	5240	36.72
U-NII-2A	52	5260	38.32
	60	5300	39.78
	64	5320	33.37
U-NII-2C	100	5500	26.01
	116	5580	38.36
	140	5700	26.21

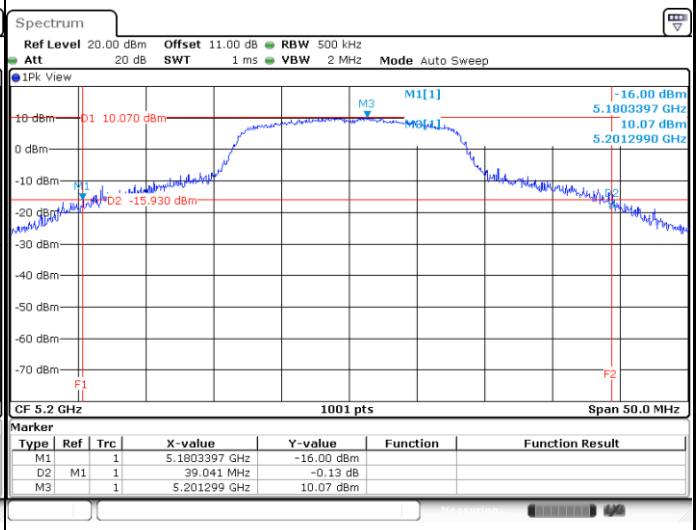
802.11a-Channel 36



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1627772 GHz	-19.76 dBm		
D2	M1	1	33.4865 MHz	2.87 dB		
M3		1	5.181648 GHz	8.67 dBm		

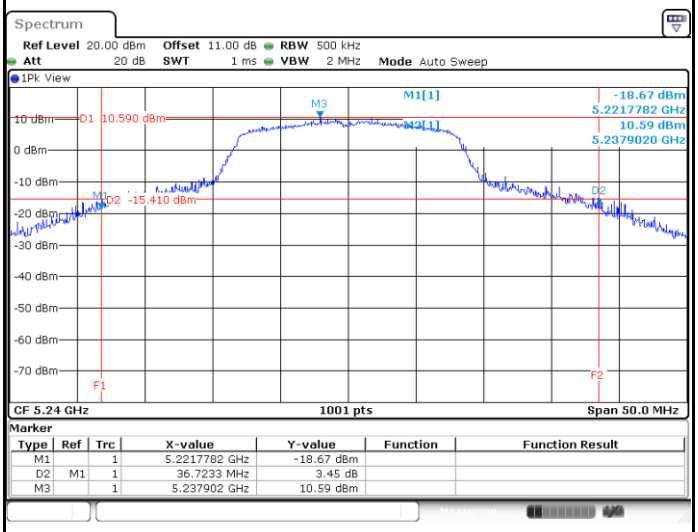
802.11a-Channel 40



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1803397 GHz	-16.00 dBm		
D2	M1	1	39.041 MHz	-0.13 dB		
M3		1	5.201299 GHz	10.07 dBm		

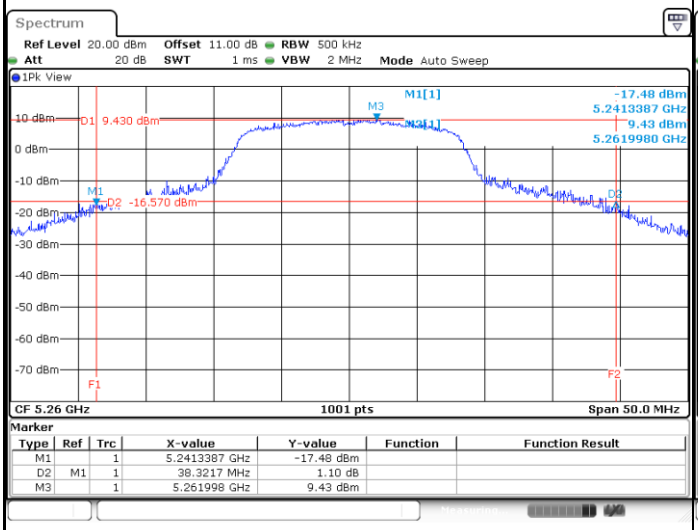
802.11a-Channel 48



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2217782 GHz	-18.67 dBm		
D2	M1	1	36.7233 MHz	3.45 dB		
M3		1	5.237902 GHz	10.59 dBm		

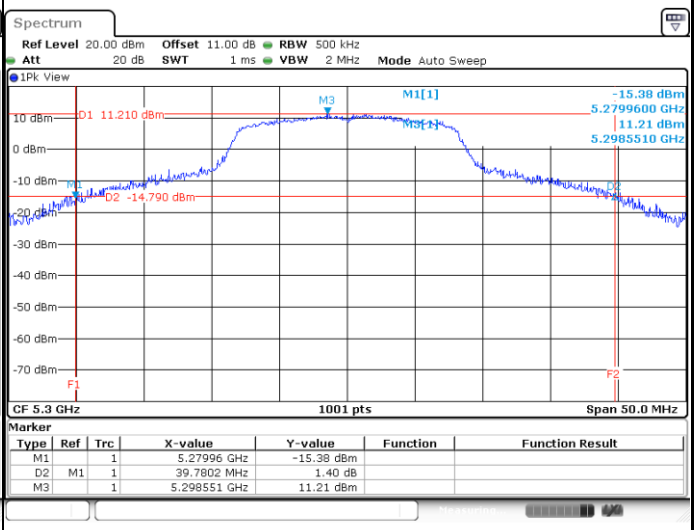
802.11a-Channel 52



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2413387 GHz	-17.48 dBm		
D2	M1	1	38.3217 MHz	1.10 dB		
M3		1	5.261998 GHz	9.43 dBm		

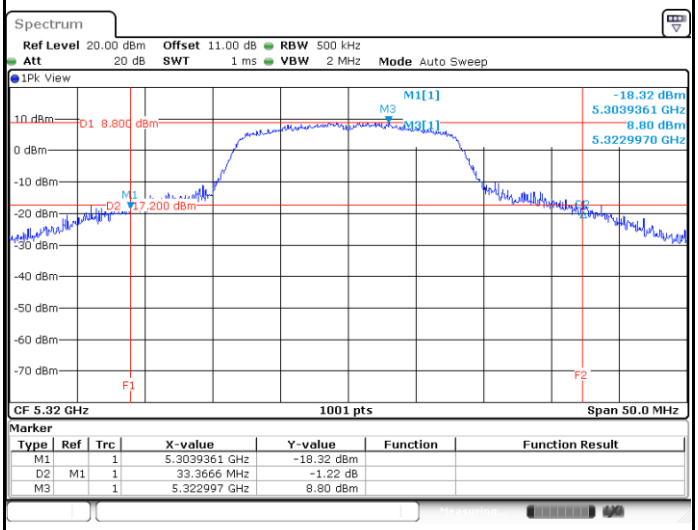
802.11a-Channel 60



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.27996 GHz	-15.38 dBm		
D2	M1	1	39.7802 MHz	1.40 dB		
M3		1	5.298551 GHz	11.21 dBm		

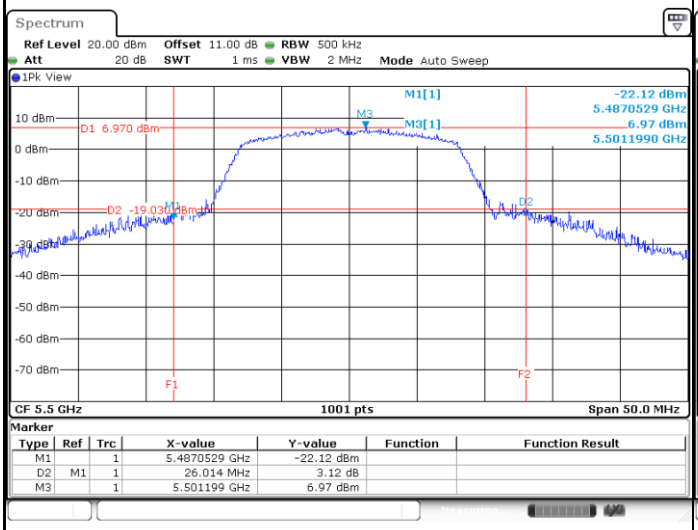
802.11a-Channel 64



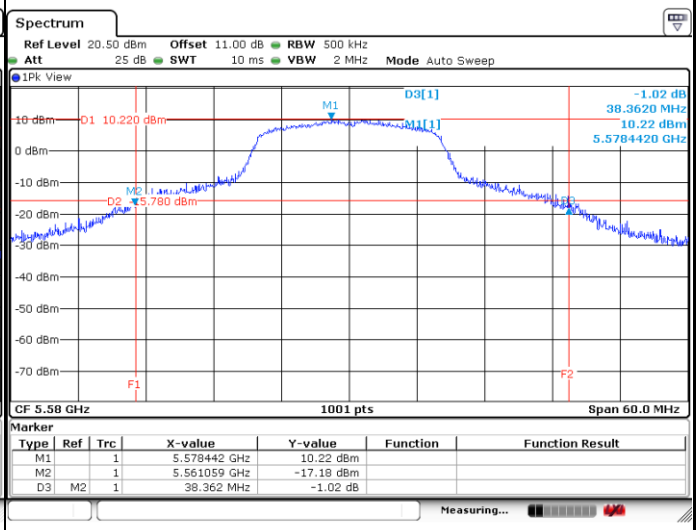
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.3039361 GHz	-18.32 dBm		
D2	M1	1	33.3666 MHz	-1.22 dB		
M3		1	5.322997 GHz	8.80 dBm		

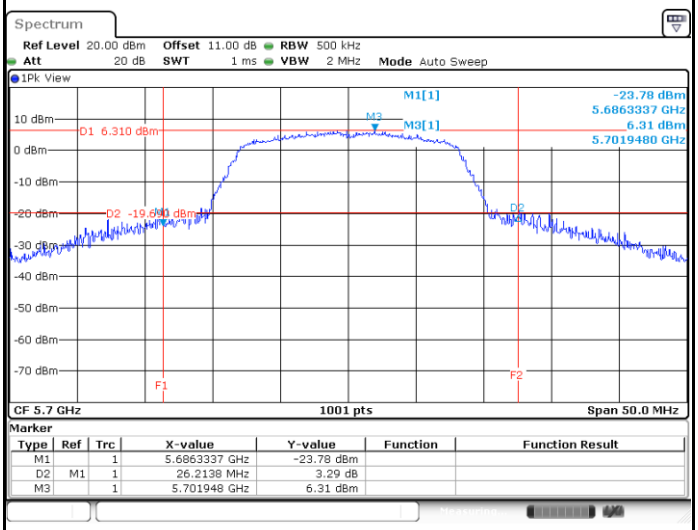
802.11a-Channel 100



802.11a-Channel 116



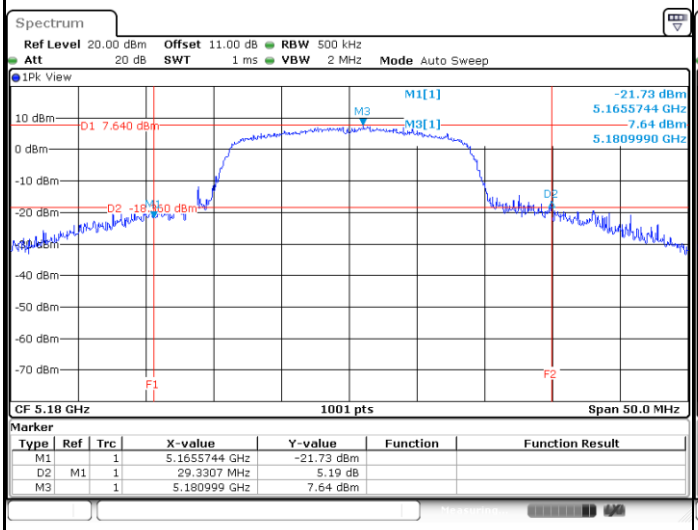
802.11a-Channel 140



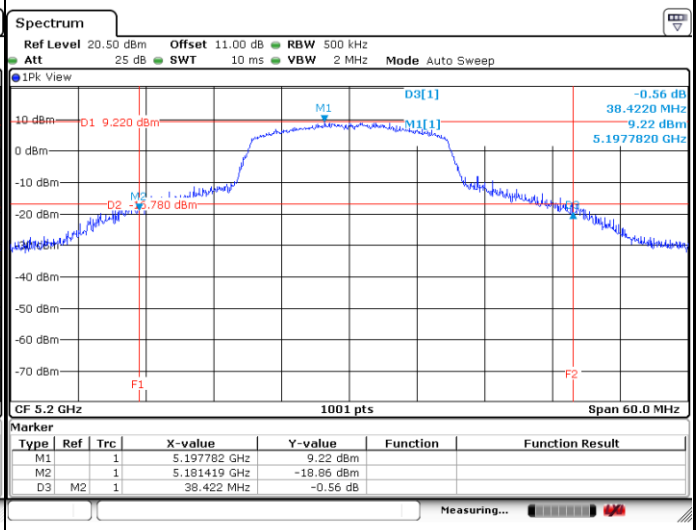
802.11ac VHT20

Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
U-NII-1	36	5180	29.33
	40	5200	38.42
	48	5240	38.72
U-NII-2A	52	5260	38.76
	60	5300	39.82
	64	5320	35.76
U-NII-2C	100	5500	28.45
	116	5580	40.94
	140	5700	28.93

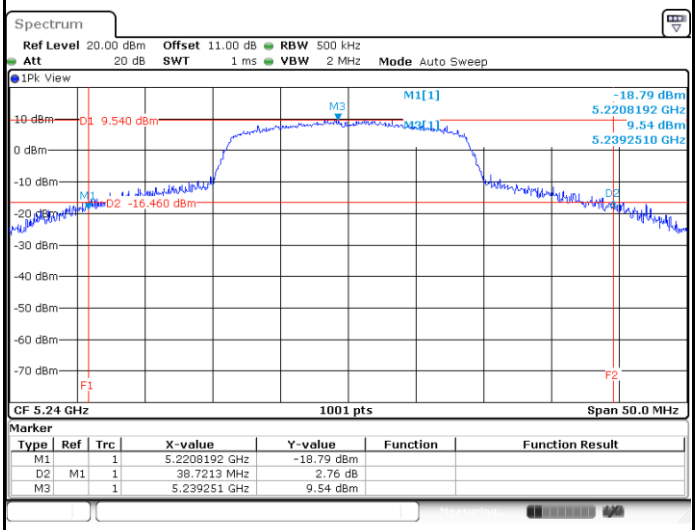
802.11ac VHT20-Channel 36



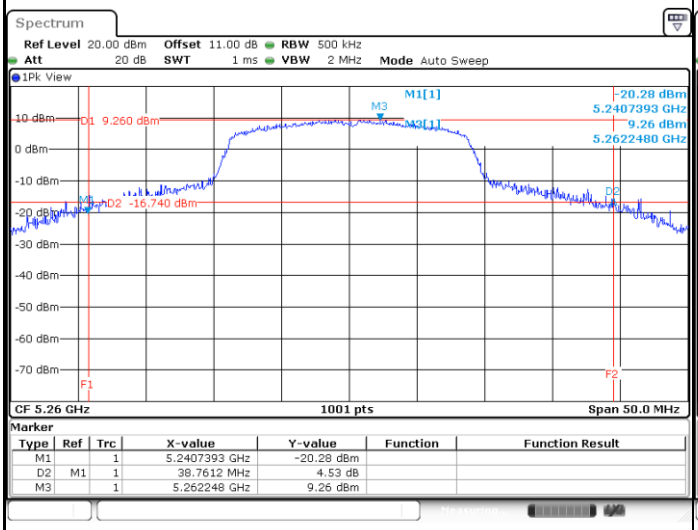
802.11ac VHT20-Channel 40



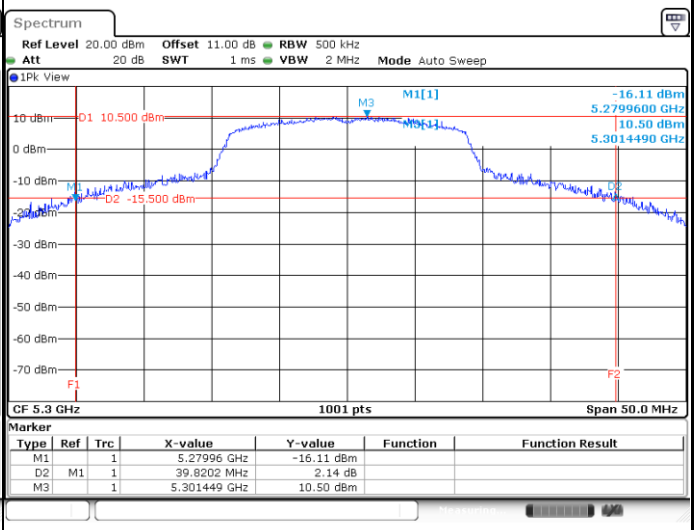
802.11ac VHT20-Channel 48



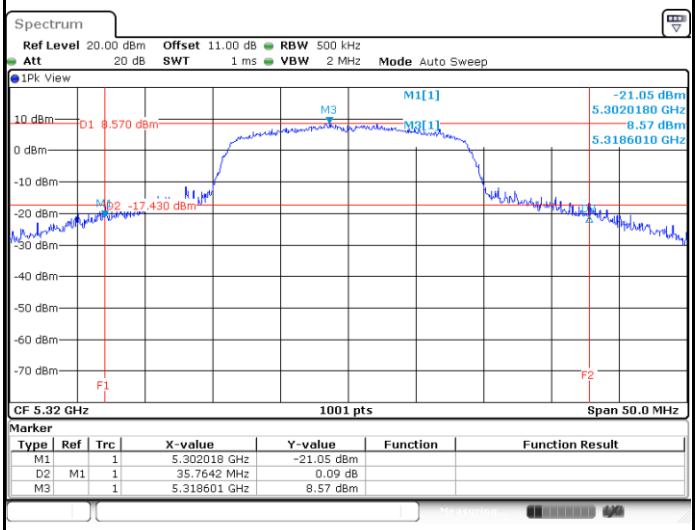
802.11ac VHT20-Channel 52



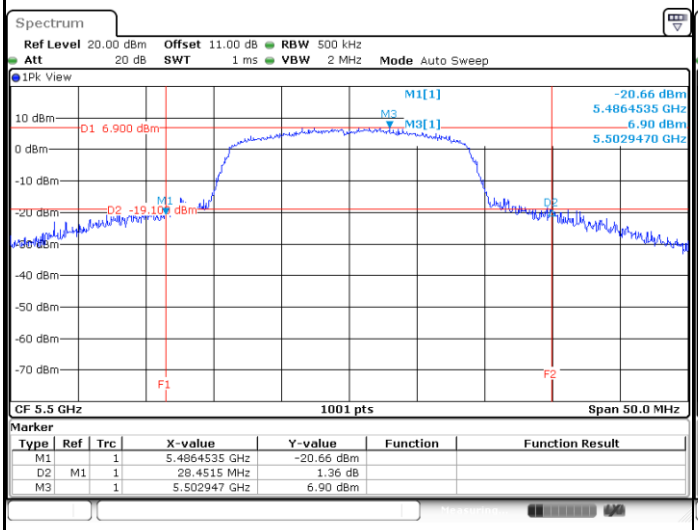
802.11ac VHT20-Channel 60



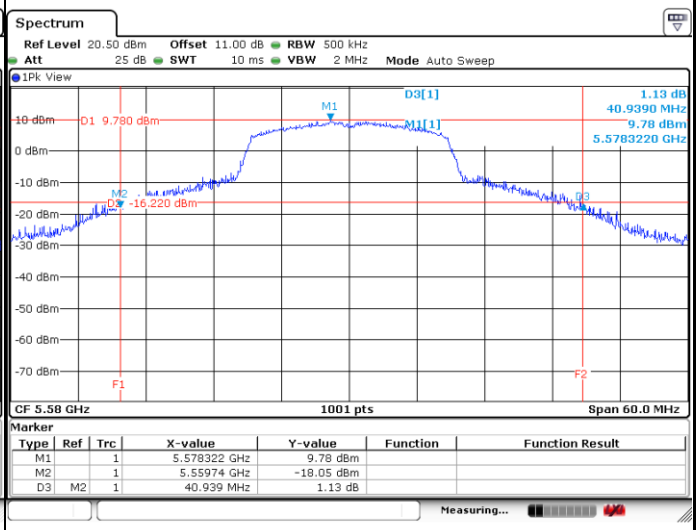
802.11ac VHT20-Channel 64



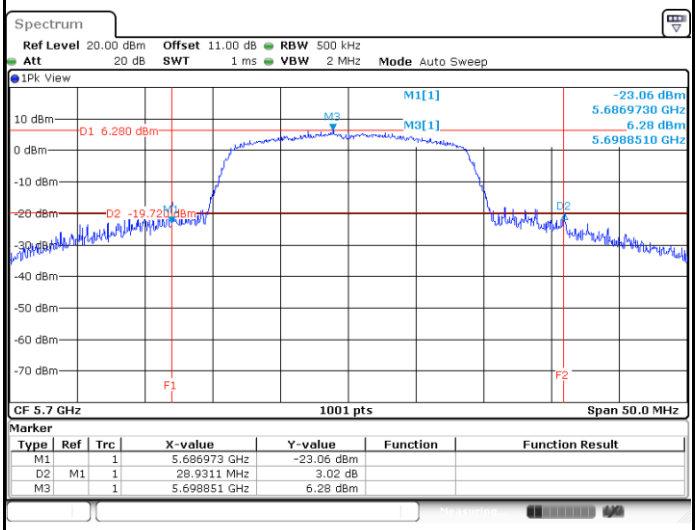
802.11ac VHT20-Channel 100



802.11ac VHT20-Channel 116



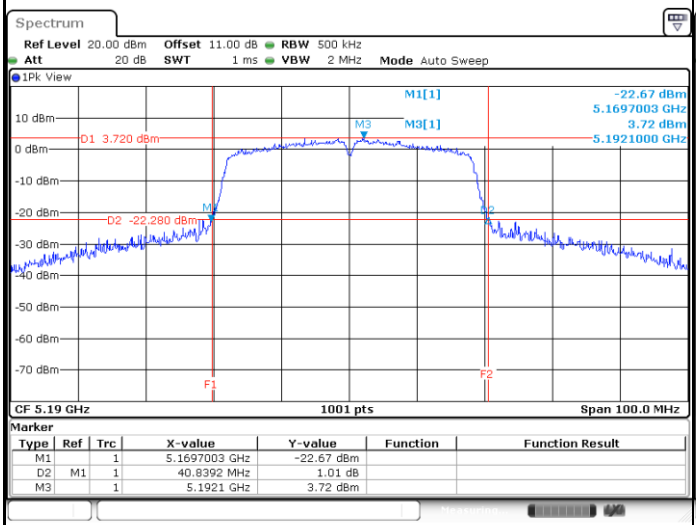
802.11ac VHT20-Channel 140



802.11ac VHT40

Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
U-NII-1	38	5190	40.84
	46	5230	74.73
U-NII-2A	54	5270	74.49
	62	5310	43.40
U-NII-2C	102	5510	40.68
	110	5500	79.44
	134	5670	67.69

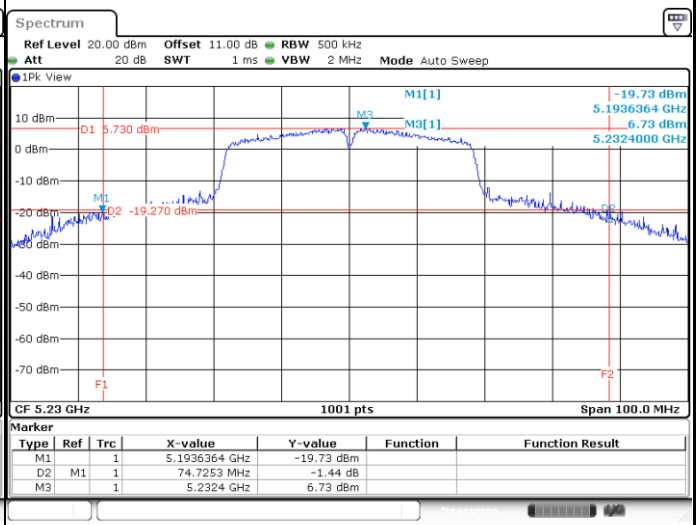
802.11ac VHT40-Channel 38



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1697003 GHz	-22.67 dBm		
D2	M1	1	40.8392 MHz	1.01 dB		
M3		1	5.1921 GHz	3.72 dBm		

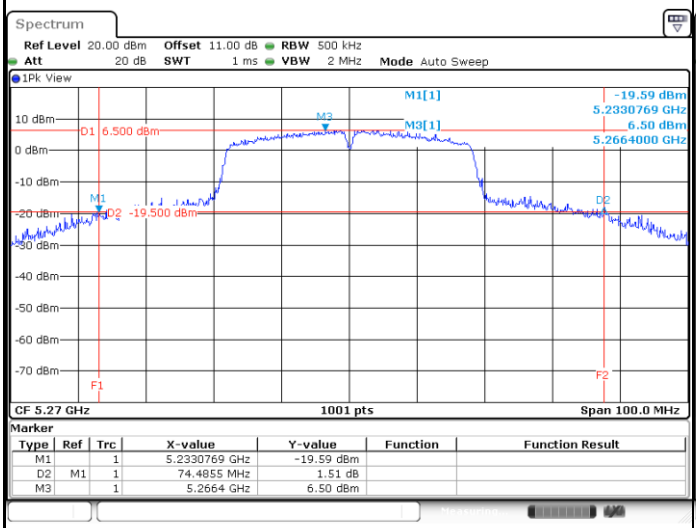
802.11ac VHT40-Channel 46



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1936364 GHz	-19.73 dBm		
D2	M1	1	74.7253 MHz	-1.44 dB		
M3		1	5.2324 GHz	6.73 dBm		

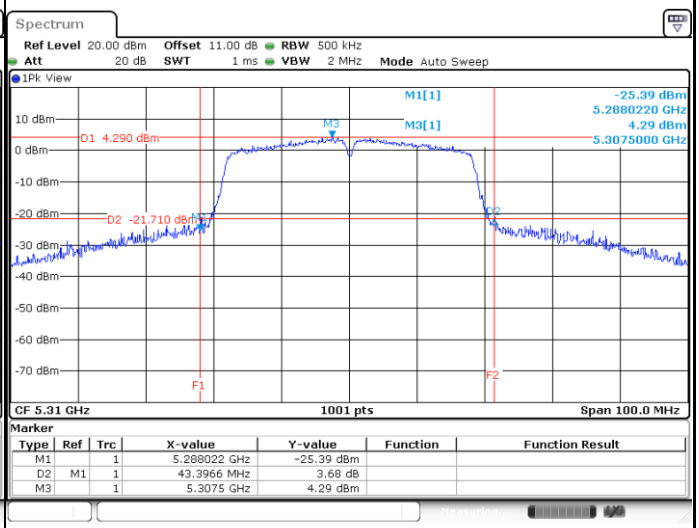
802.11ac VHT40-Channel 54



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2330769 GHz	-19.59 dBm		
D2	M1	1	74.4855 MHz	1.51 dB		
M3		1	5.2664 GHz	6.50 dBm		

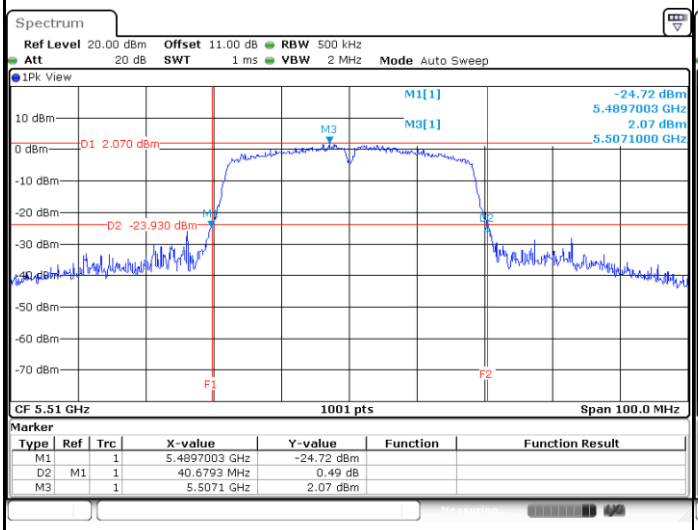
802.11ac VHT40-Channel 62



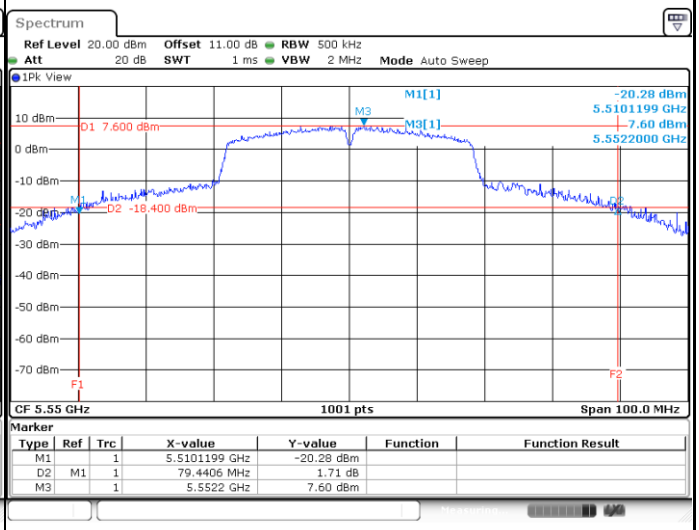
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.288022 GHz	-25.39 dBm		
D2	M1	1	43.3966 MHz	3.68 dB		
M3		1	5.3075 GHz	4.29 dBm		

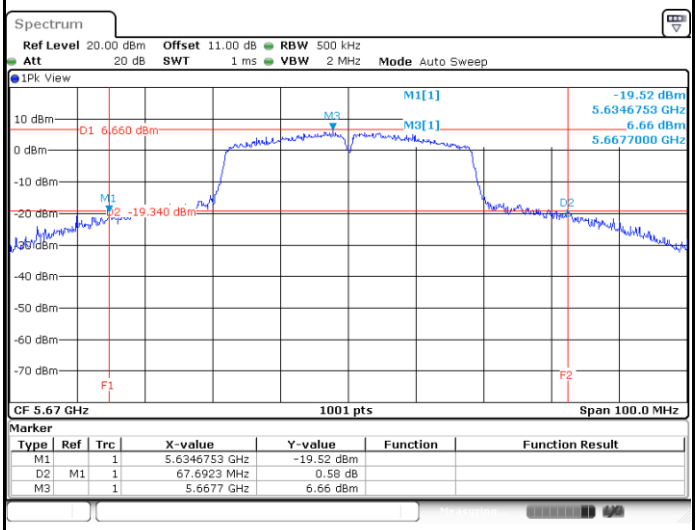
802.11ac VHT40-Channel 102



802.11ac VHT40-Channel 110



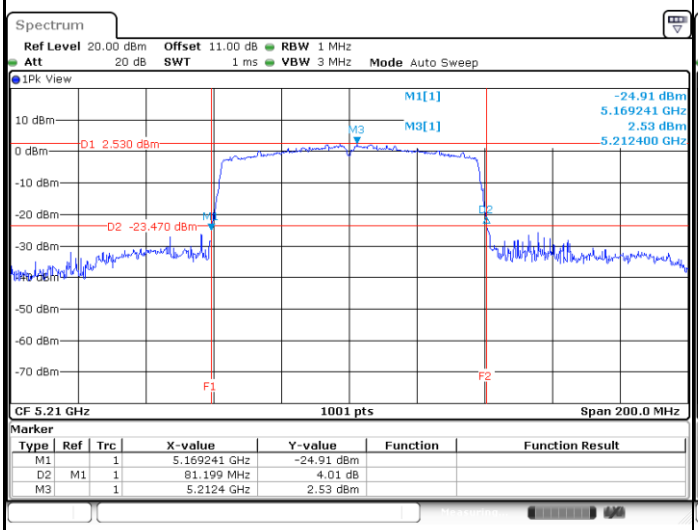
802.11ac VHT40-Channel 134



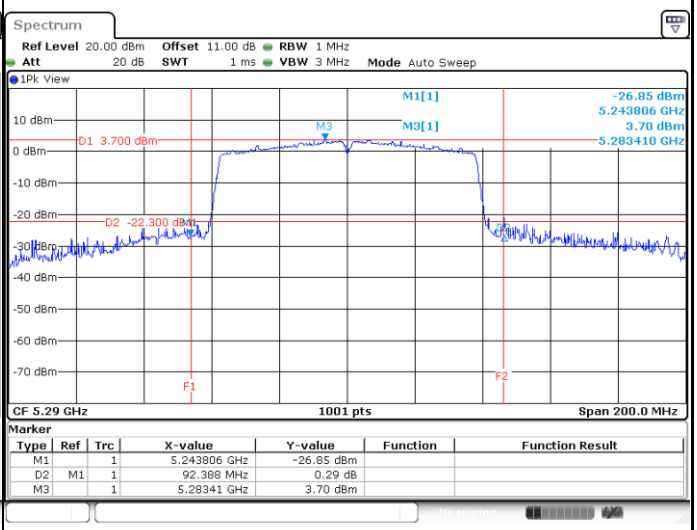
802.11ac VHT80

Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
U-NII-1	42	5210	81.20
U-NII-2A	58	5290	92.39
U-NII-2C	106	5530	87.43

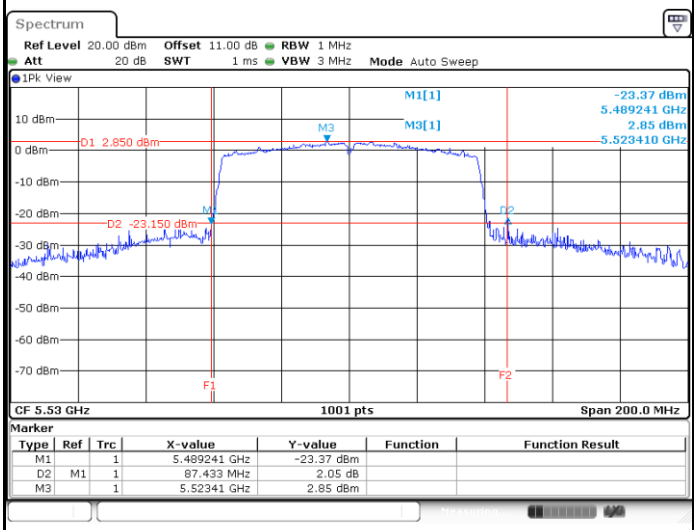
802.11ac VHT80-Channel 42



802.11ac VHT80-Channel 58



802.11ac VHT80-Channel 106

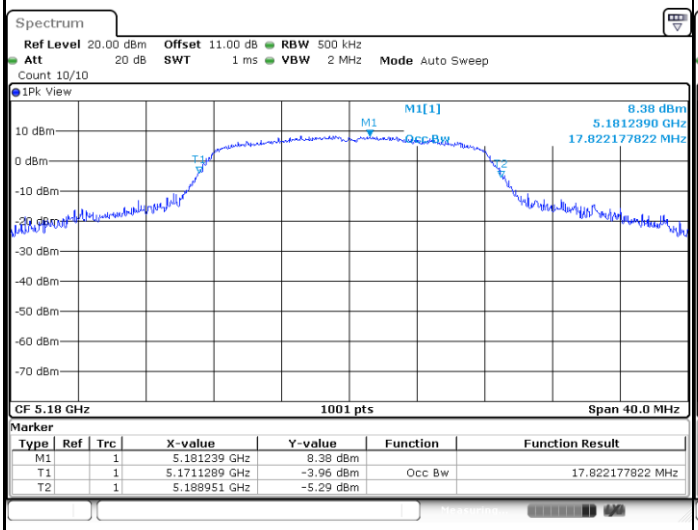


Test Result of 99% Occupied Bandwidth

802.11a

Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)
U-NII-1	36	5180	17.82
	40	5200	21.46
	48	5240	18.94
U-NII-2A	52	5260	18.98
	60	5300	23.74
	64	5320	17.98
U-NII-2C	100	5500	17.50
	116	5580	28.37
	140	5700	17.38
U-NII-3	149	5745	29.77
	157	5785	27.61
	165	5825	30.29

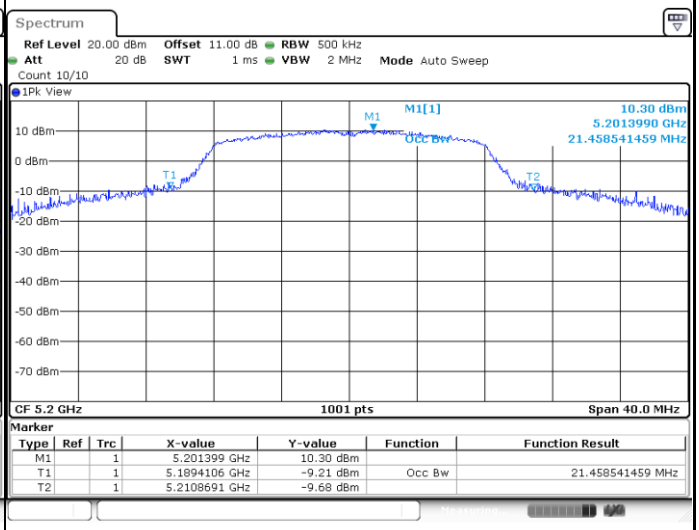
802.11a-Channel 36



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.181239 GHz	8.38 dBm		
T1		1	5.1711289 GHz	-3.96 dBm	Occ Bw	17.822177822 MHz
T2		1	5.188951 GHz	-5.29 dBm		

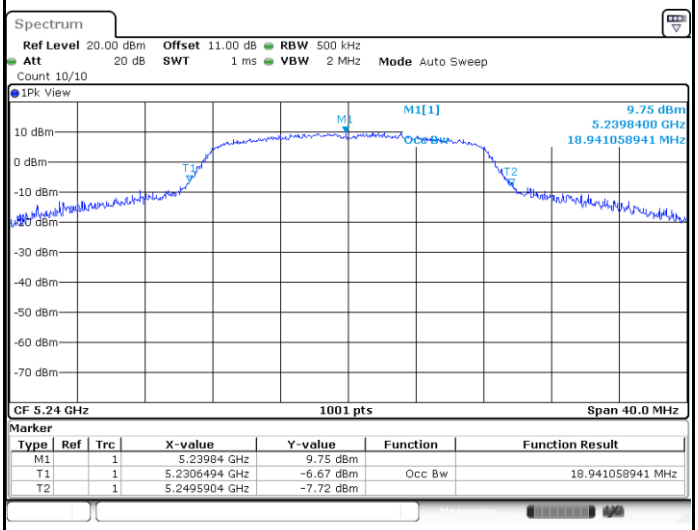
802.11a-Channel 40



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.201399 GHz	10.30 dBm		
T1		1	5.1894106 GHz	-9.21 dBm	Occ Bw	21.458541459 MHz
T2		1	5.2108691 GHz	-9.68 dBm		

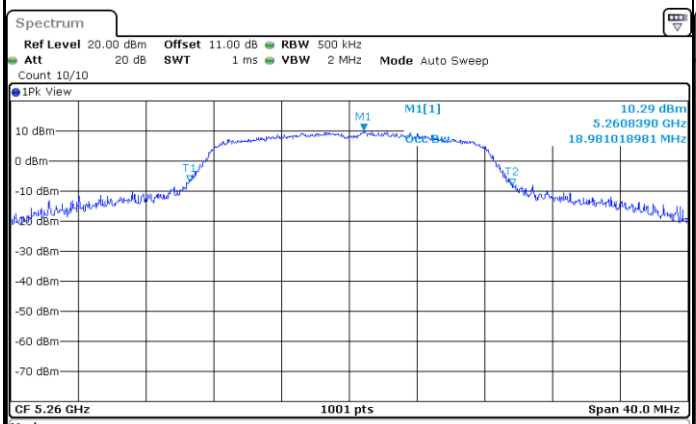
802.11a-Channel 48



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.23984 GHz	9.75 dBm		
T1		1	5.2306494 GHz	-6.67 dBm	Occ Bw	18.941058941 MHz
T2		1	5.2495904 GHz	-7.72 dBm		

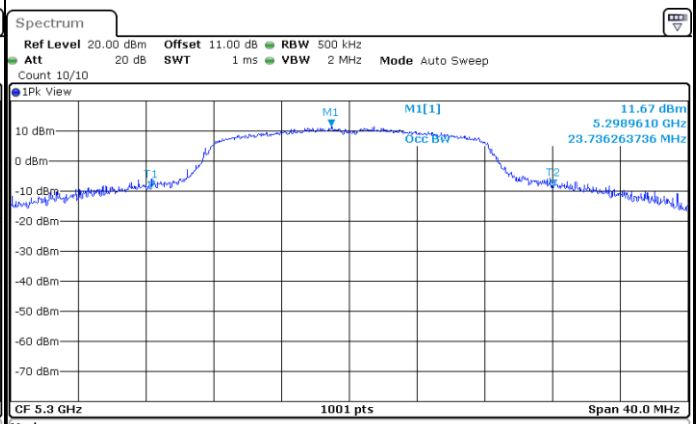
802.11a-Channel 52



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.260839 GHz	10.29 dBm		
T1		1	5.2506094 GHz	-6.82 dBm	Occ Bw	18.981018981 MHz
T2		1	5.2695904 GHz	-7.88 dBm		

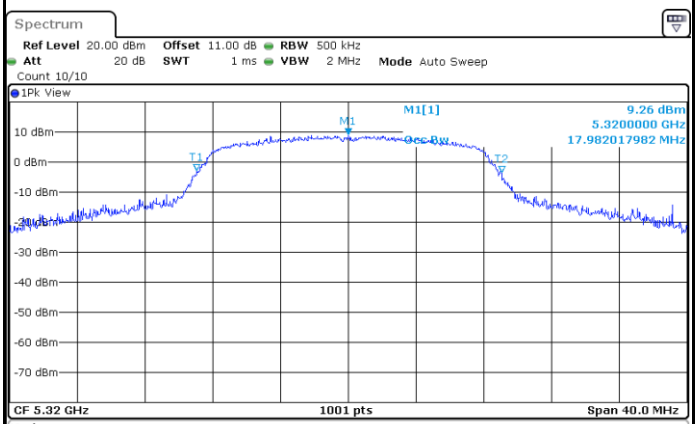
802.11a-Channel 60



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.298961 GHz	11.67 dBm		
T1		1	5.2882917 GHz	-8.78 dBm	Occ Bw	23.736263736 MHz
T2		1	5.312028 GHz	-8.22 dBm		

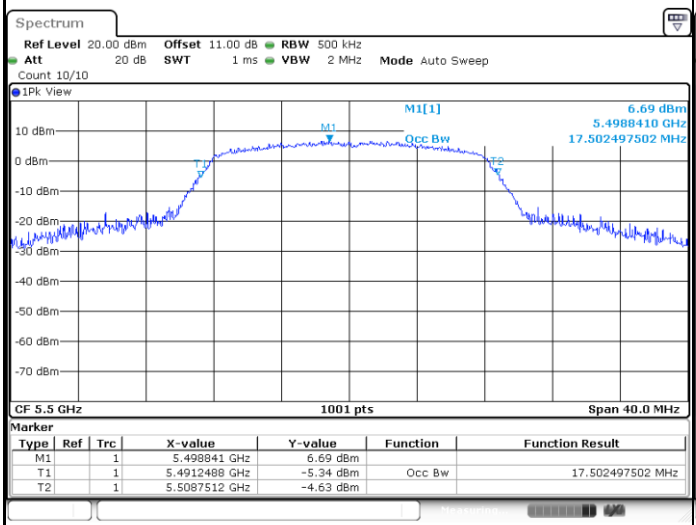
802.11a-Channel 64



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.32 GHz	9.26 dBm		
T1		1	5.311049 GHz	-2.96 dBm	Occ Bw	17.982017982 MHz
T2		1	5.329031 GHz	-3.34 dBm		

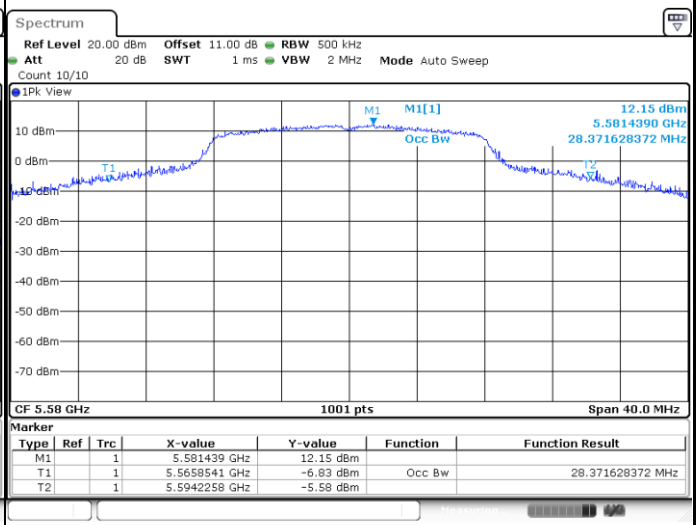
802.11a-Channel 100



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.498841 GHz	6.69 dBm		
T1		1	5.4912488 GHz	-5.34 dBm	Occ Bw	17.502497502 MHz
T2		1	5.5087512 GHz	-4.63 dBm		

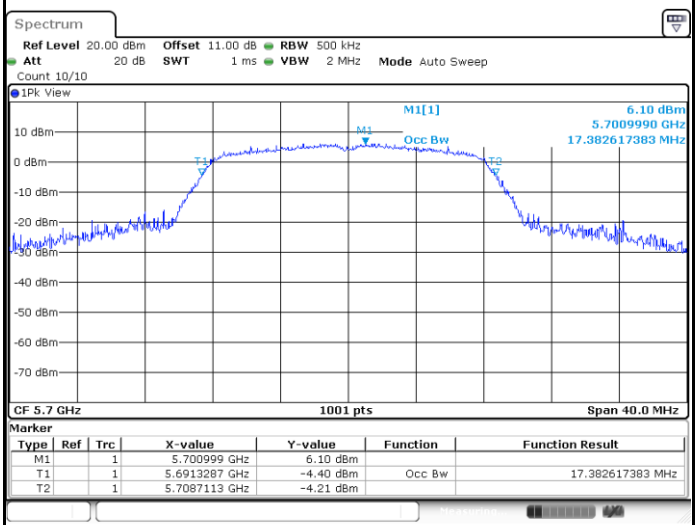
802.11a-Channel 116



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.581439 GHz	12.15 dBm		
T1		1	5.5658541 GHz	-6.83 dBm	Occ Bw	28.371628372 MHz
T2		1	5.5942258 GHz	-5.58 dBm		

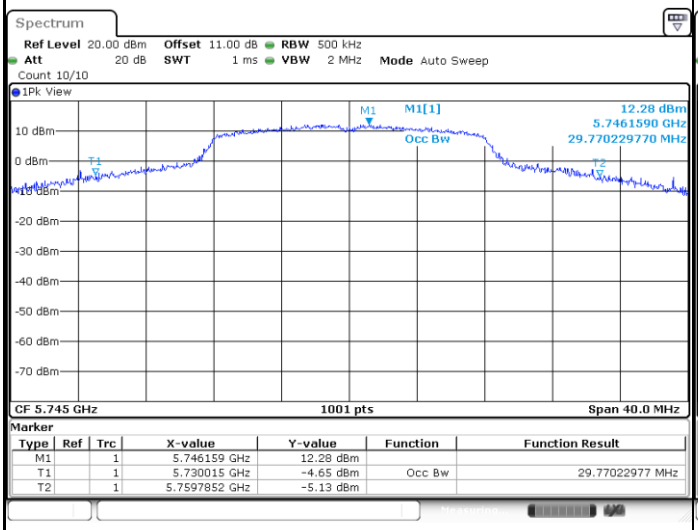
802.11a-Channel 140



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.700999 GHz	6.10 dBm		
T1		1	5.6913287 GHz	-4.40 dBm	Occ Bw	17.382617383 MHz
T2		1	5.7087113 GHz	-4.21 dBm		

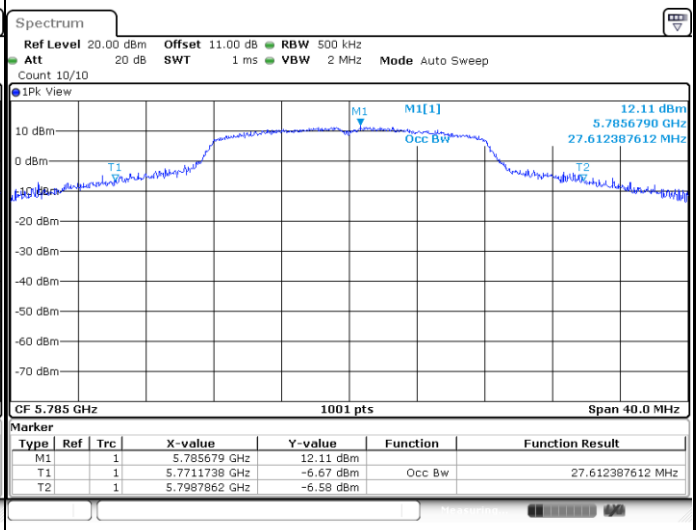
802.11a-Channel 149



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.746159 GHz	12.28 dBm		
T1		1	5.730015 GHz	-4.65 dBm	Occ Bw	29.77022977 MHz
T2		1	5.7597852 GHz	-5.13 dBm		

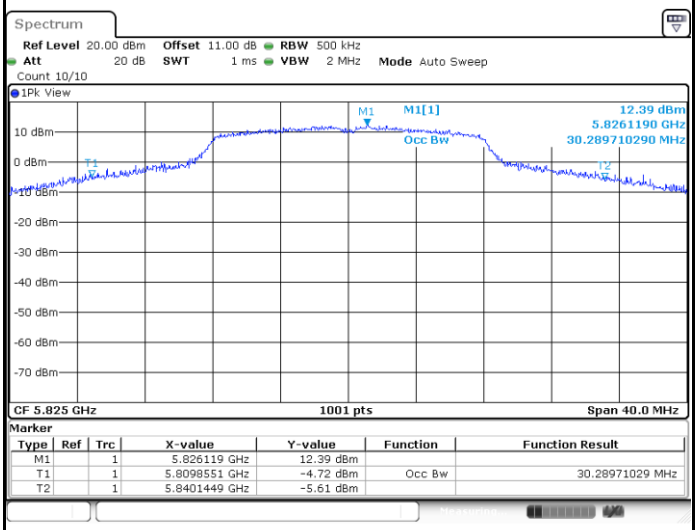
802.11a-Channel 157



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.785679 GHz	12.11 dBm		
T1		1	5.7711738 GHz	-6.67 dBm	Occ Bw	27.612387612 MHz
T2		1	5.7987862 GHz	-6.58 dBm		

802.11a-Channel 165



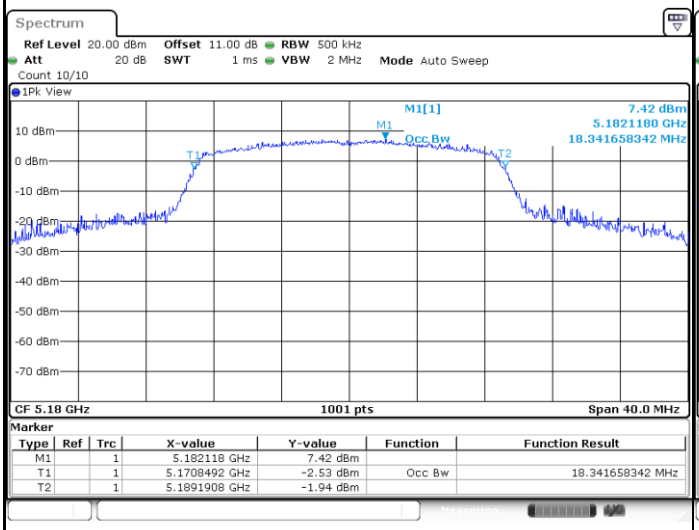
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.826119 GHz	12.39 dBm		
T1		1	5.8098551 GHz	-4.72 dBm	Occ Bw	30.28971029 MHz
T2		1	5.8401449 GHz	-5.61 dBm		

802.11ac VHT20

Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)
U-NII-1	36	5180	18.34
	40	5200	24.98
	48	5240	19.54
U-NII-2A	52	5260	19.30
	60	5300	22.90
	64	5320	18.58
U-NII-2C	100	5500	18.34
	116	5580	29.21
	140	5700	18.26
U-NII-3	149	5745	30.49
	157	5785	30.69
	165	5825	28.89

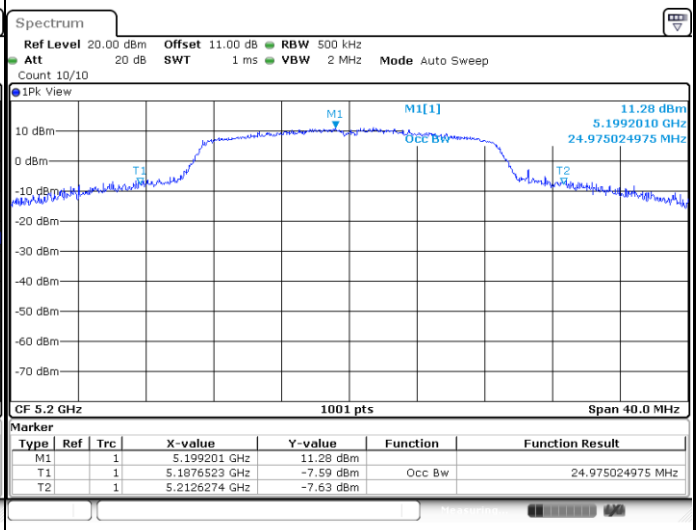
802.11ac VHT20-Channel 36



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.182118 GHz	7.42 dBm		
T1		1	5.1708492 GHz	-2.53 dBm	Occ Bw	18.341658342 MHz
T2		1	5.1891908 GHz	-1.94 dBm		

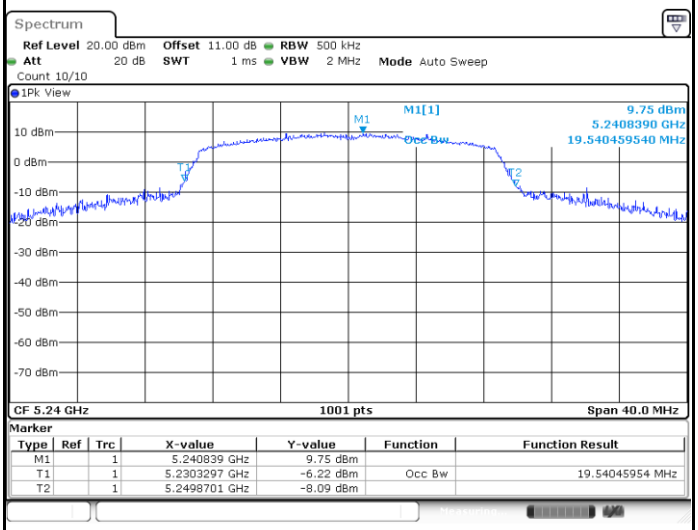
802.11ac VHT20-Channel 40



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.199201 GHz	11.28 dBm		
T1		1	5.1876523 GHz	-7.59 dBm	Occ Bw	24.975024975 MHz
T2		1	5.2126274 GHz	-7.63 dBm		

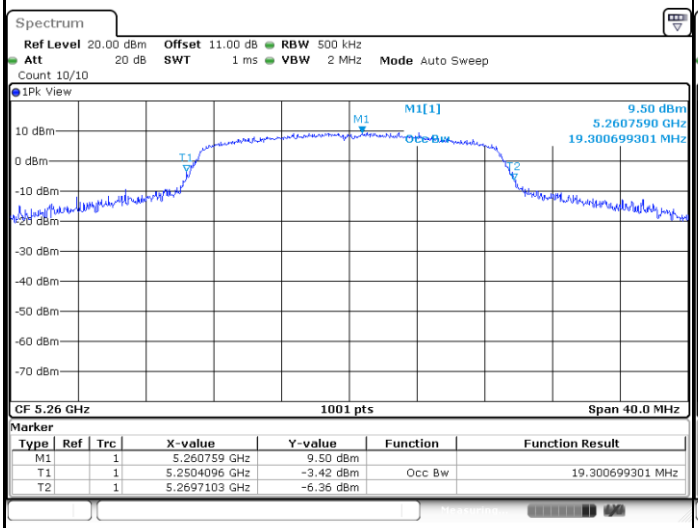
802.11ac VHT20-Channel 48



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.240839 GHz	9.75 dBm		
T1		1	5.2303297 GHz	-6.22 dBm	Occ Bw	19.54045954 MHz
T2		1	5.2498701 GHz	-8.09 dBm		

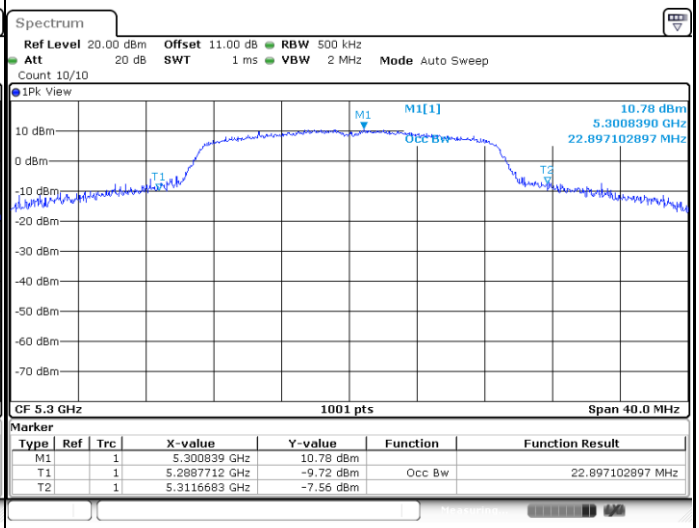
802.11ac VHT20-Channel 52



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.260759 GHz	9.50 dBm		
T1		1	5.2504096 GHz	-3.42 dBm	Occ Bw	19.300699301 MHz
T2		1	5.2697103 GHz	-6.36 dBm		

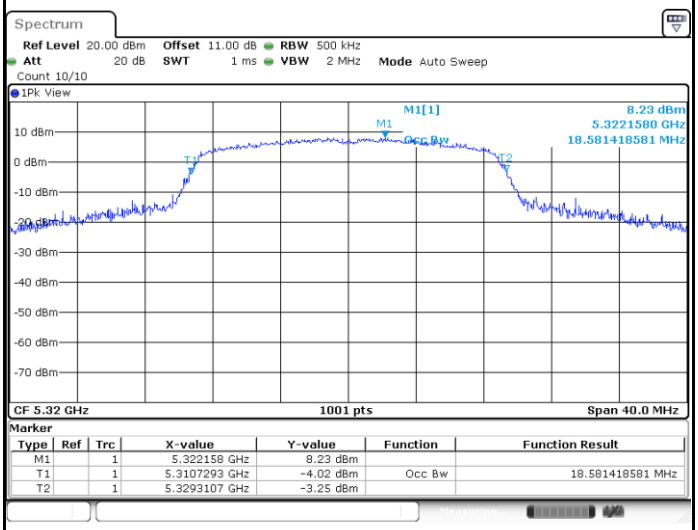
802.11ac VHT20-Channel 60



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.300839 GHz	10.78 dBm		
T1		1	5.2887712 GHz	-9.72 dBm	Occ Bw	22.897102897 MHz
T2		1	5.3116683 GHz	-7.56 dBm		

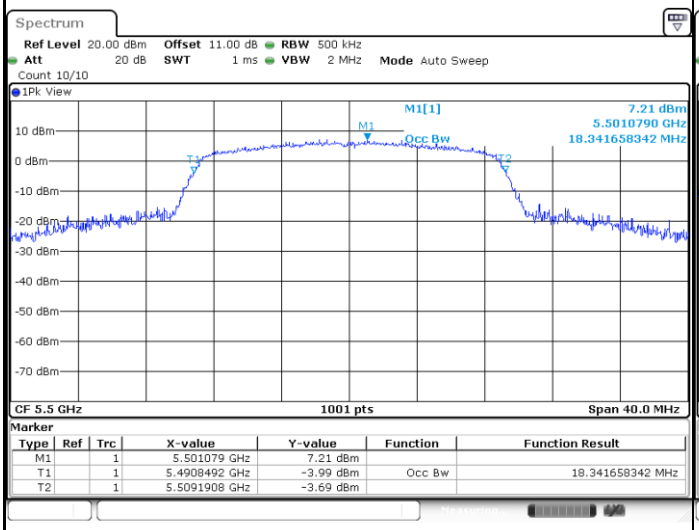
802.11ac VHT20-Channel 64



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.322158 GHz	8.23 dBm		
T1		1	5.3107293 GHz	-4.02 dBm	Occ Bw	18.581418581 MHz
T2		1	5.3293107 GHz	-3.25 dBm		

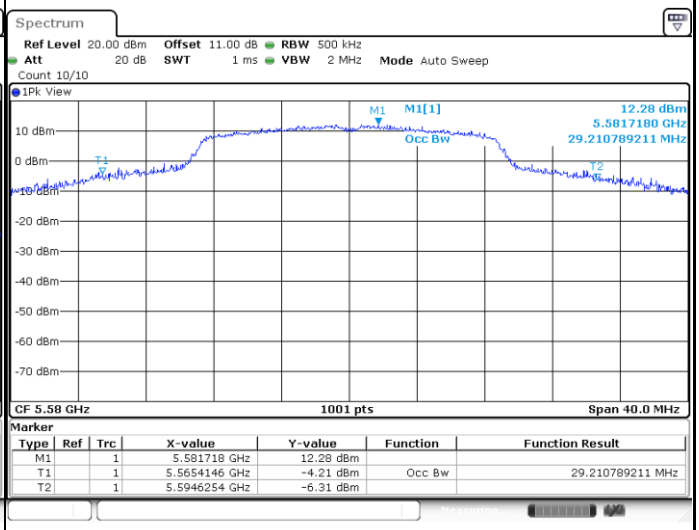
802.11ac VHT20-Channel 100



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.501079 GHz	7.21 dBm		
T1		1	5.4908492 GHz	-3.99 dBm	Occ Bw	18.341658342 MHz
T2		1	5.5091908 GHz	-3.69 dBm		

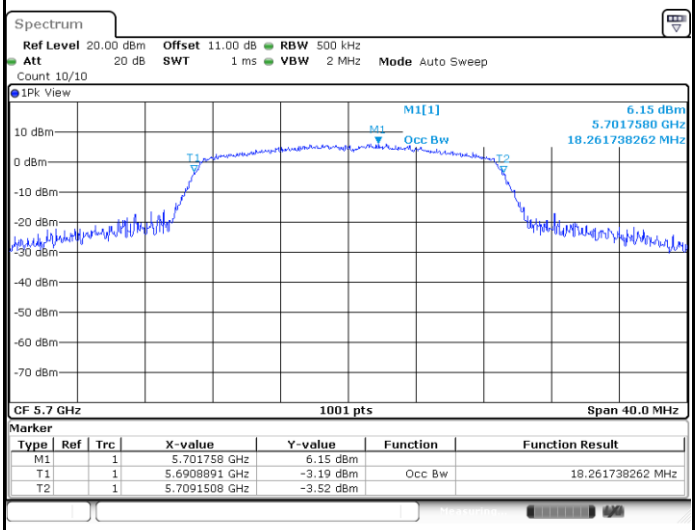
802.11ac VHT20-Channel 116



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.581718 GHz	12.28 dBm		
T1		1	5.5654146 GHz	-4.21 dBm	Occ Bw	29.210789211 MHz
T2		1	5.5946254 GHz	-6.31 dBm		

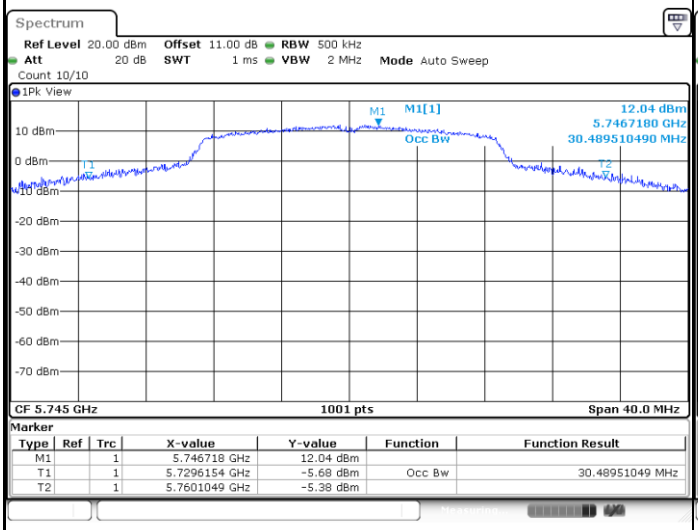
802.11ac VHT20-Channel 140



Marker

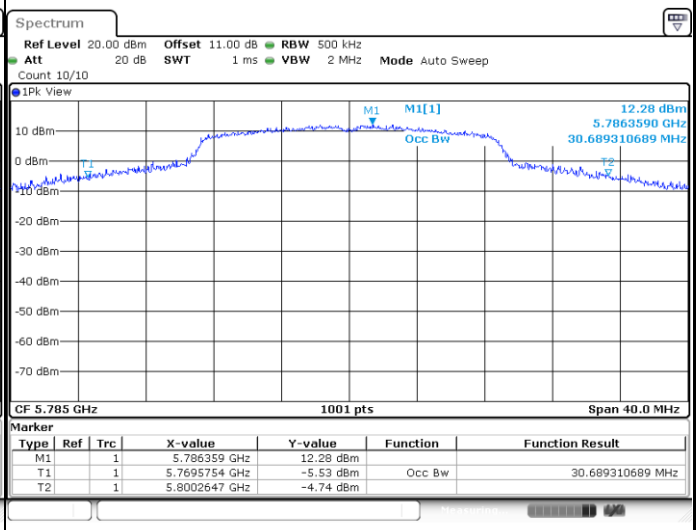
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.701758 GHz	6.15 dBm		
T1		1	5.6908891 GHz	-3.19 dBm	Occ Bw	18.261738262 MHz
T2		1	5.7091508 GHz	-3.52 dBm		

802.11ac VHT20-Channel 149



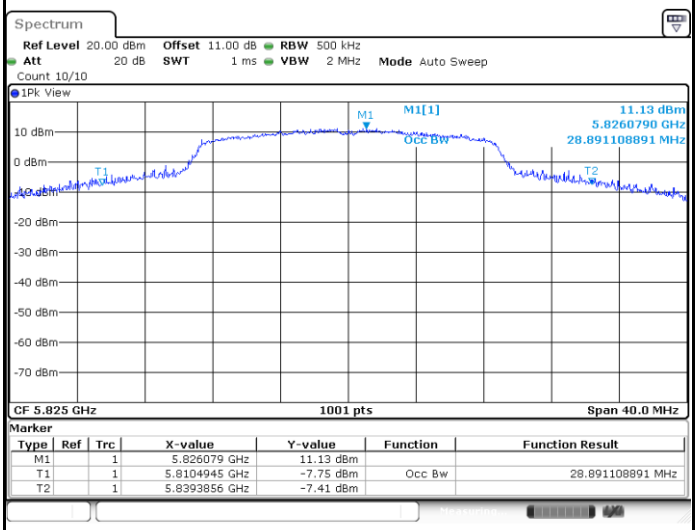
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.746718 GHz	12.04 dBm		
T1		1	5.7296154 GHz	-5.68 dBm	Occ Bw	30.48951049 MHz
T2		1	5.7601049 GHz	-5.38 dBm		

802.11ac VHT20-Channel 157



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.786359 GHz	12.28 dBm		
T1		1	5.7695754 GHz	-5.53 dBm	Occ Bw	30.689310689 MHz
T2		1	5.8002647 GHz	-4.74 dBm		

802.11ac VHT20-Channel 165

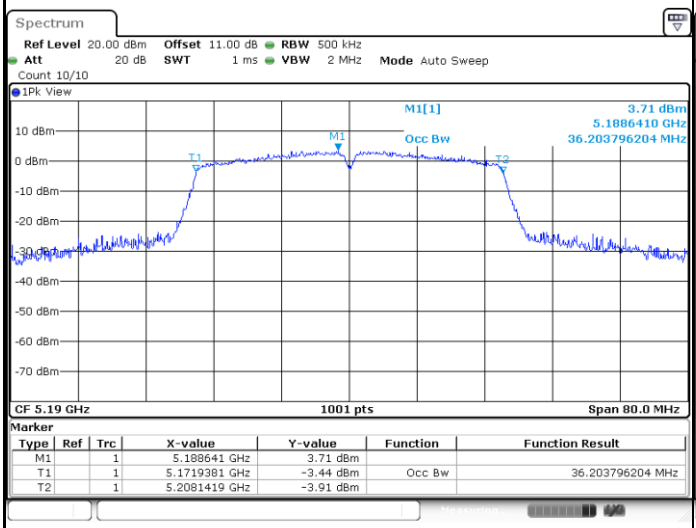


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.826079 GHz	11.13 dBm		
T1		1	5.8104945 GHz	-7.75 dBm	Occ Bw	28.891108891 MHz
T2		1	5.8393856 GHz	-7.41 dBm		

802.11ac VHT40

Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)
U-NII-1	38	5190	36.20
	46	5230	37.16
U-NII-2A	54	5270	37.00
	62	5310	36.28
U-NII-2C	102	5510	36.04
	110	5550	47.71
	134	5670	36.92
U-NII-3	151	5755	45.71
	159	5795	61.14

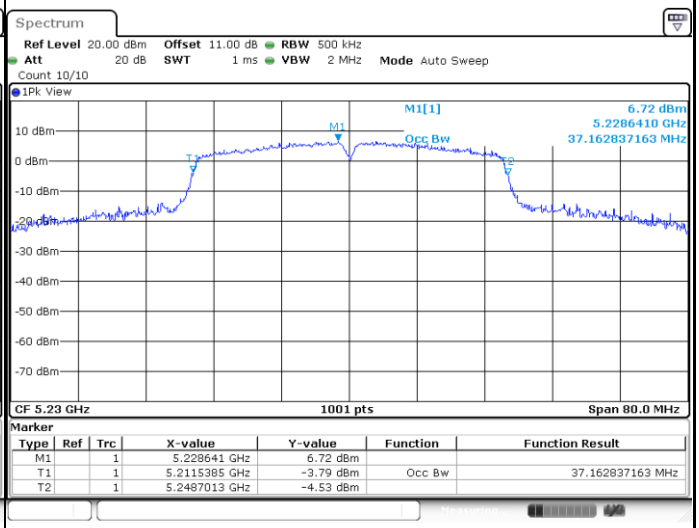
802.11ac VHT40-Channel 38



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.188641 GHz	3.71 dBm		
T1		1	5.1719381 GHz	-3.44 dBm	Occ Bw	36.203796204 MHz
T2		1	5.2081419 GHz	-3.91 dBm		

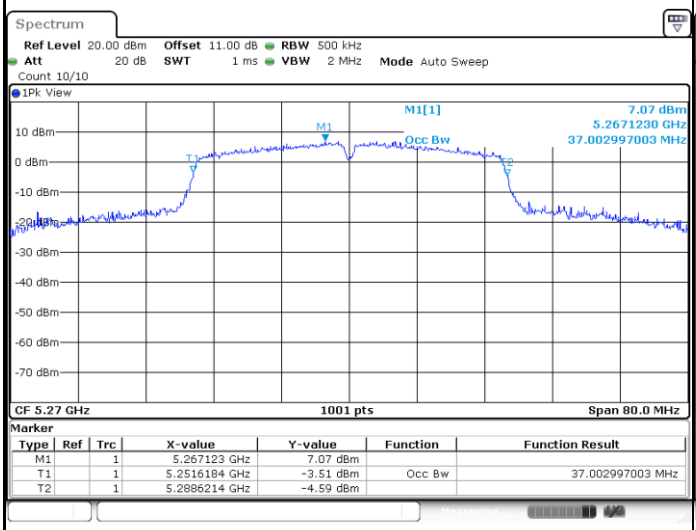
802.11ac VHT40-Channel 46



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.228641 GHz	6.72 dBm		
T1		1	5.2115385 GHz	-3.79 dBm	Occ Bw	37.162837163 MHz
T2		1	5.2487013 GHz	-4.53 dBm		

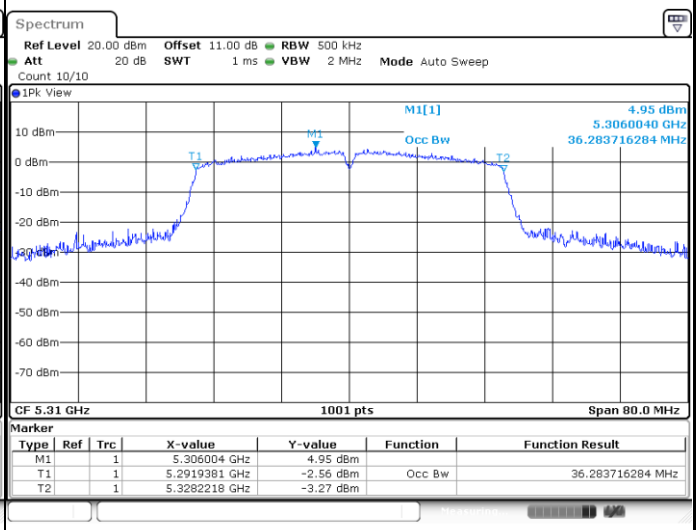
802.11ac VHT40-Channel 54



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.267123 GHz	7.07 dBm		
T1		1	5.2516184 GHz	-3.51 dBm	Occ Bw	37.002997003 MHz
T2		1	5.2886214 GHz	-4.59 dBm		

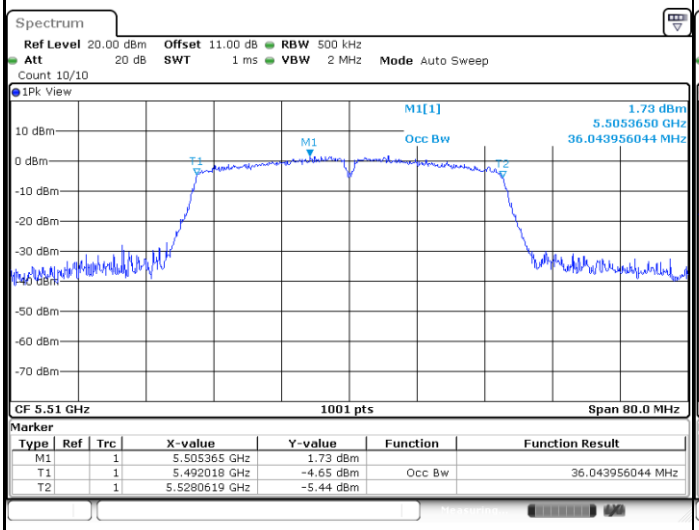
802.11ac VHT40-Channel 62



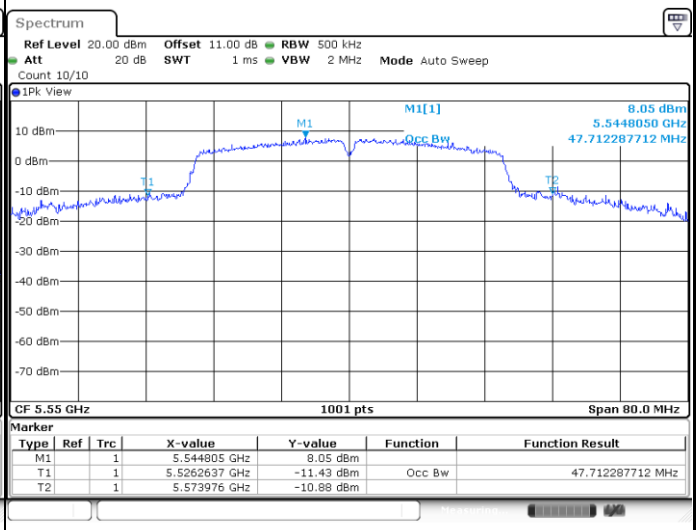
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.306004 GHz	4.95 dBm		
T1		1	5.2919381 GHz	-2.56 dBm	Occ Bw	36.283716284 MHz
T2		1	5.3282218 GHz	-3.27 dBm		

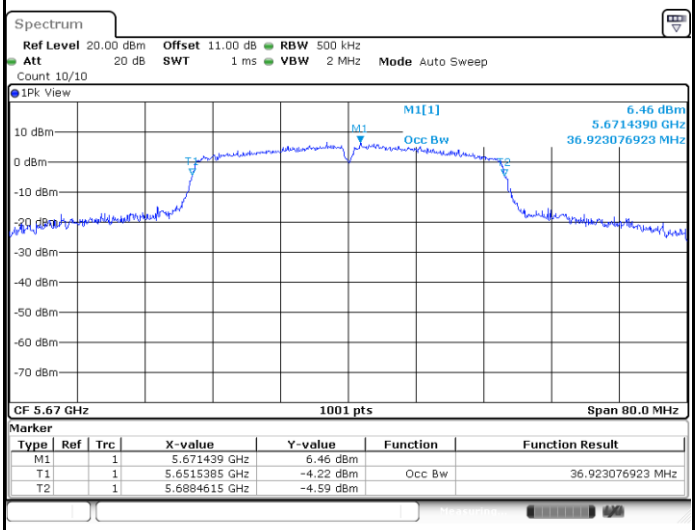
802.11ac VHT40-Channel 102



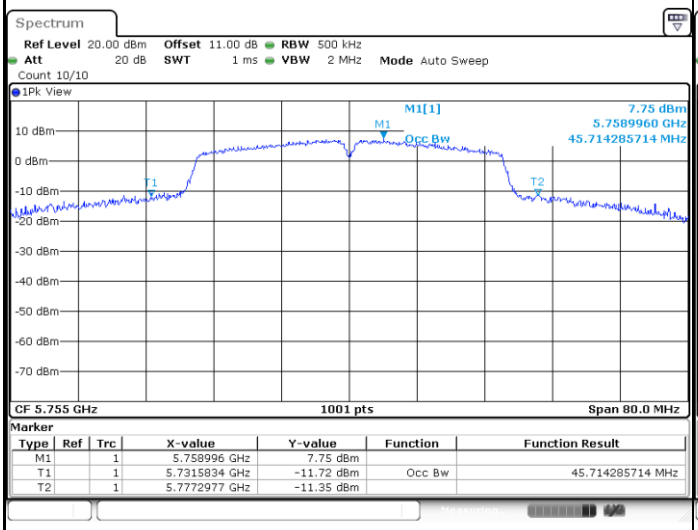
802.11ac VHT40-Channel 110



802.11ac VHT40-Channel 134



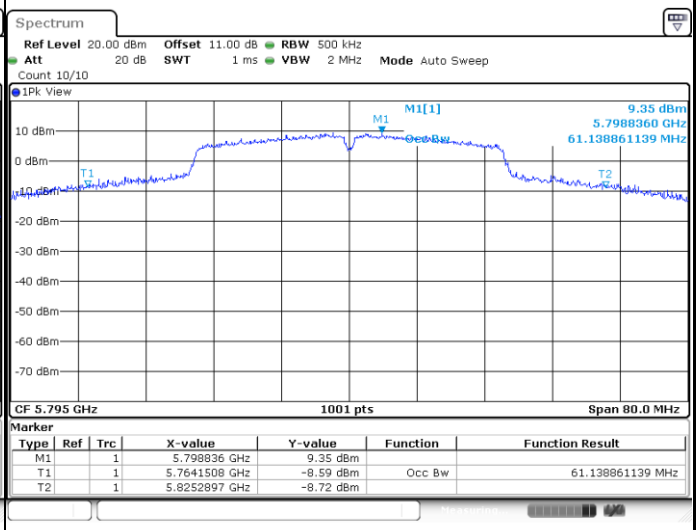
802.11ac VHT40-Channel 151



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.758996 GHz	7.75 dBm		
T1		1	5.7315834 GHz	-11.72 dBm	Occ Bw	45.714285714 MHz
T2		1	5.7772977 GHz	-11.35 dBm		

802.11ac VHT40-Channel 159



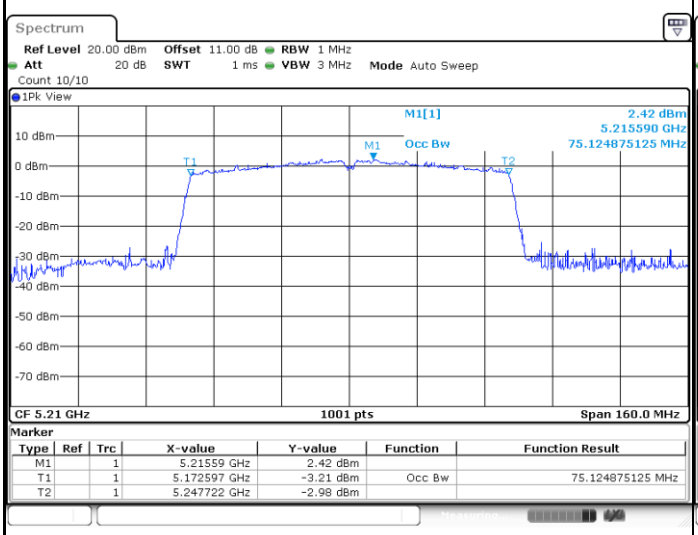
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.798836 GHz	9.35 dBm		
T1		1	5.7641508 GHz	-8.59 dBm	Occ Bw	61.138861139 MHz
T2		1	5.8252897 GHz	-8.72 dBm		

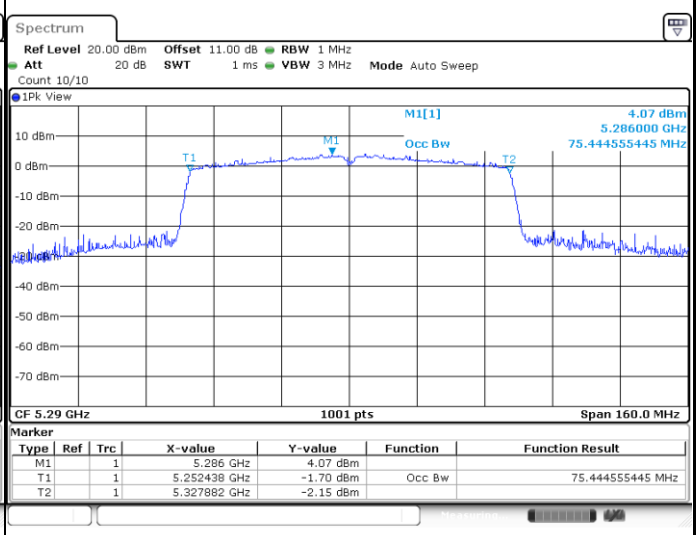
802.11ac VHT80

Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)
U-NII-1	42	5210	75.12
U-NII-2A	58	5290	75.44
U-NII-2C	106	5530	75.28
U-NII-3	155	5775	76.08

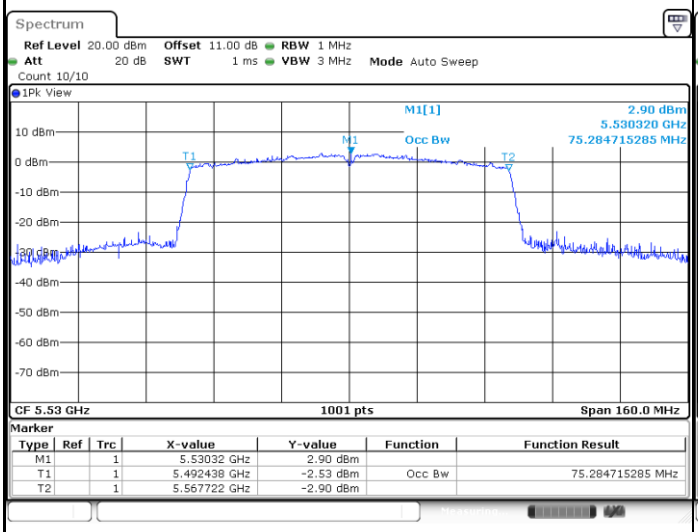
802.11ac VHT80-Channel 42



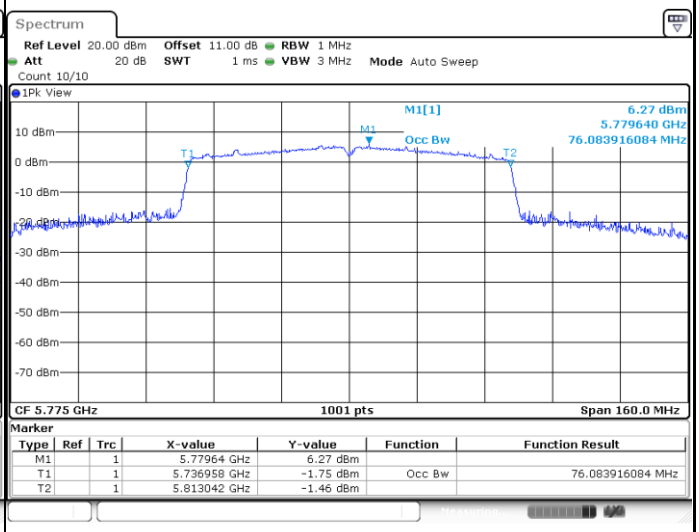
802.11ac VHT80-Channel 58



802.11ac VHT80-Channel 106



802.11ac VHT80-Channel 155

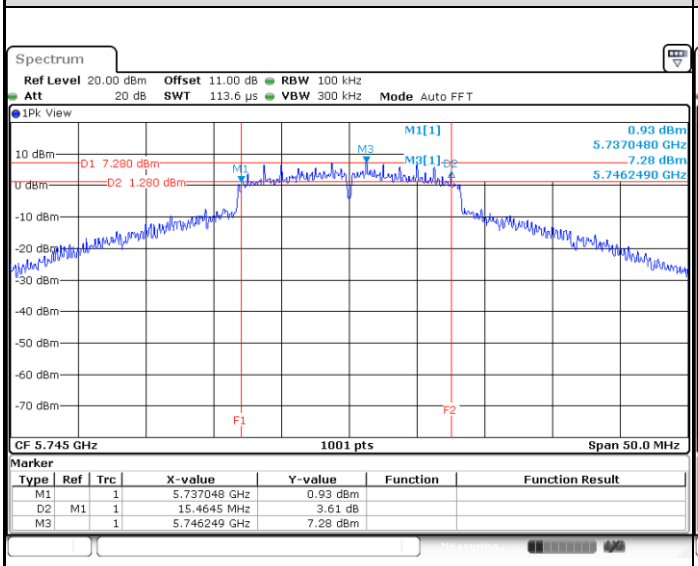


Test Result of 6 dB Bandwidth

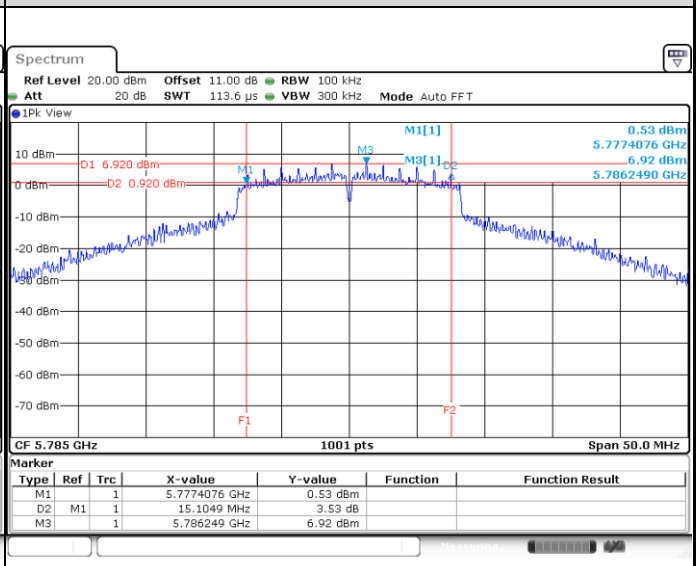
802.11a

Band	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
U-NII-3	149	5745	15.46	> 0.5	Pass
	157	5785	15.10	> 0.5	Pass
	165	5825	16.06	> 0.5	Pass

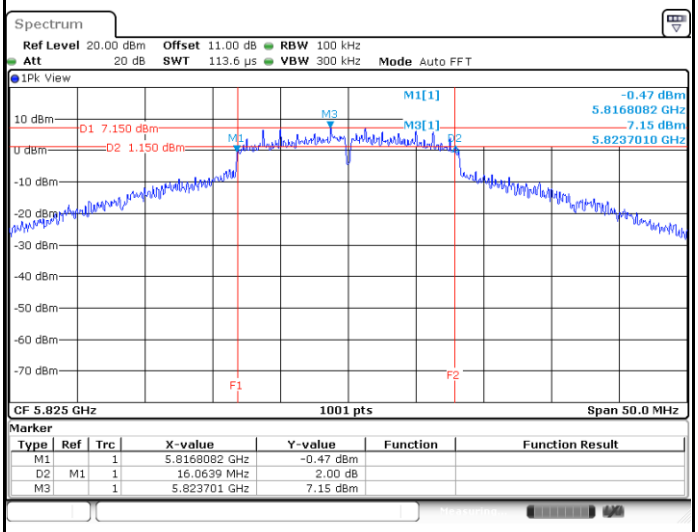
802.11a-Channel 149



802.11a-Channel 157



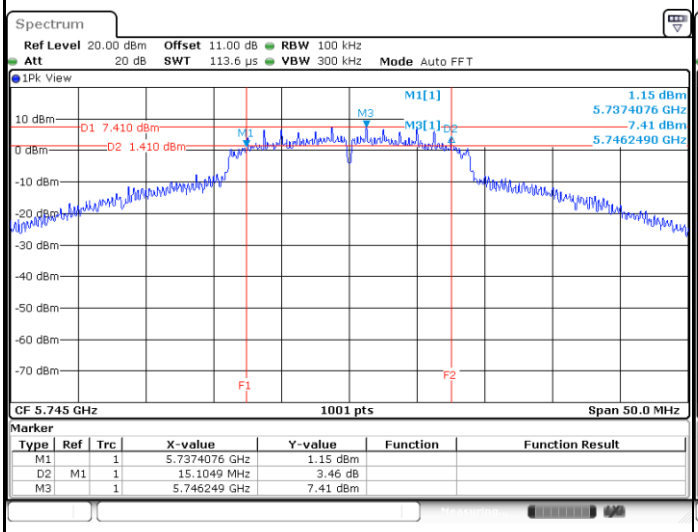
802.11a-Channel 165



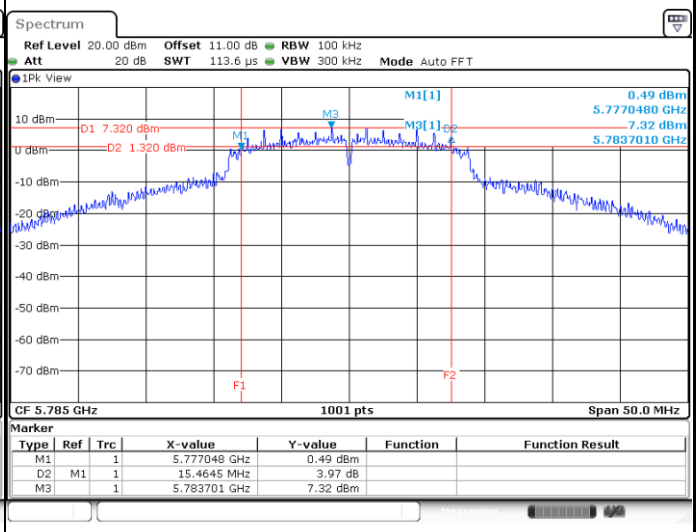
802.11ac VHT20

Band	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
U-NII-3	149	5745	15.10	> 0.5	Pass
	157	5785	15.46	> 0.5	Pass
	165	5825	15.10	> 0.5	Pass

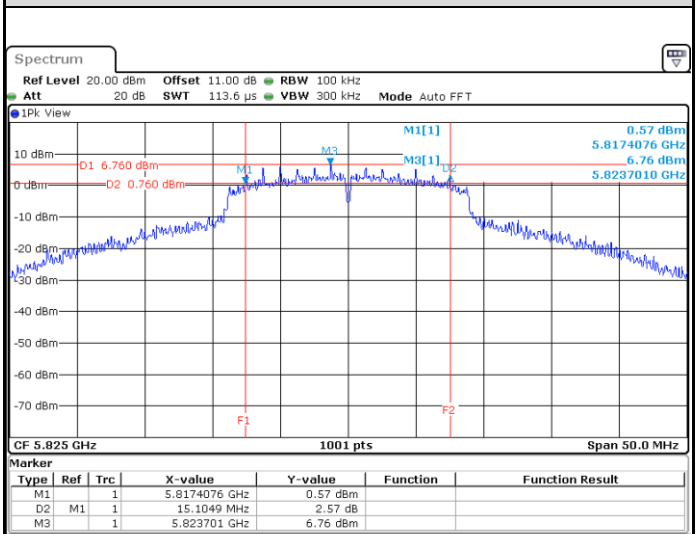
802.11ac VHT20-Channel 149



802.11ac VHT20-Channel 157



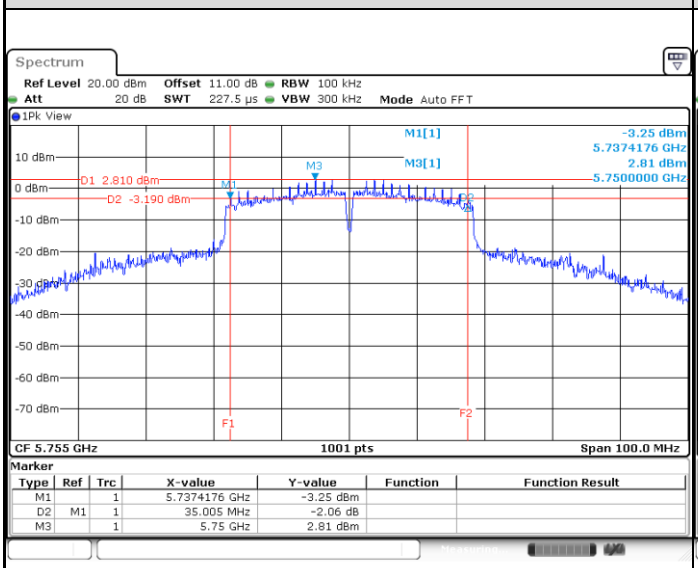
802.11ac VHT20-Channel 165



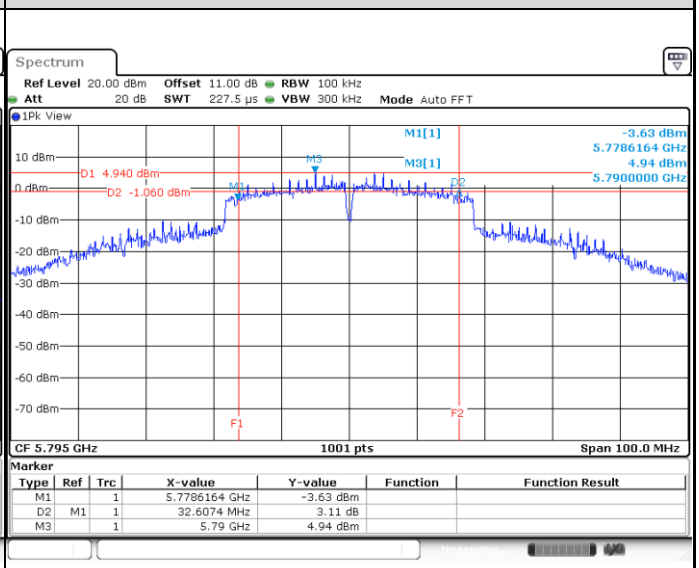
802.11ac VHT40

Band	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
U-NII-3	151	5755	35.01	> 0.5	Pass
	159	5795	32.61	> 0.5	Pass

802.11ac VHT40-Channel 151



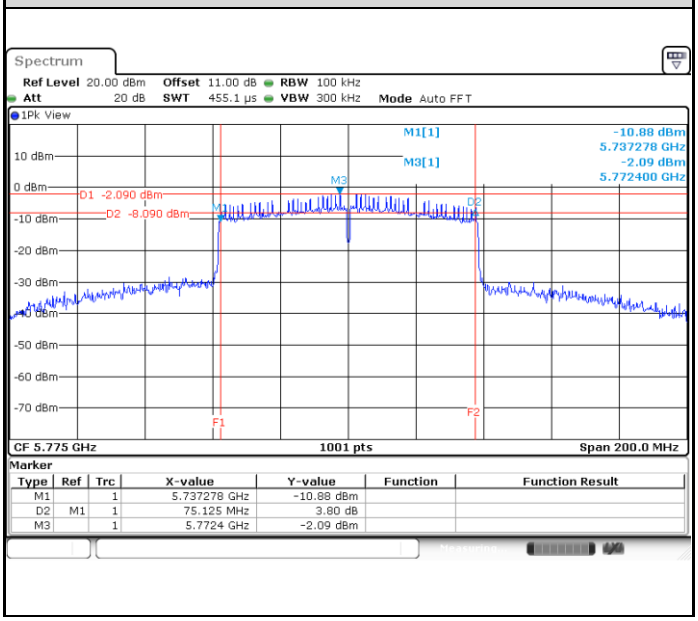
802.11ac VHT40-Channel 159



802.11ac VHT80

Band	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
U-NII-3	155	5775	75.13	> 0.5	Pass

802.11ac VHT80-Channel 155



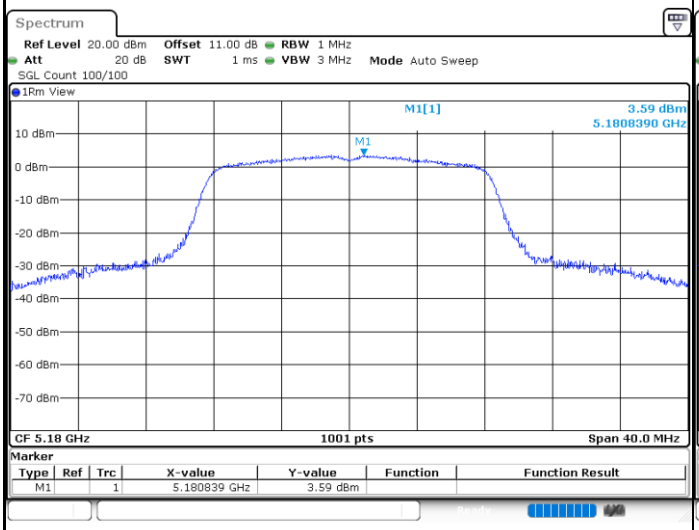
Test Result of Power Spectral Density

802.11a

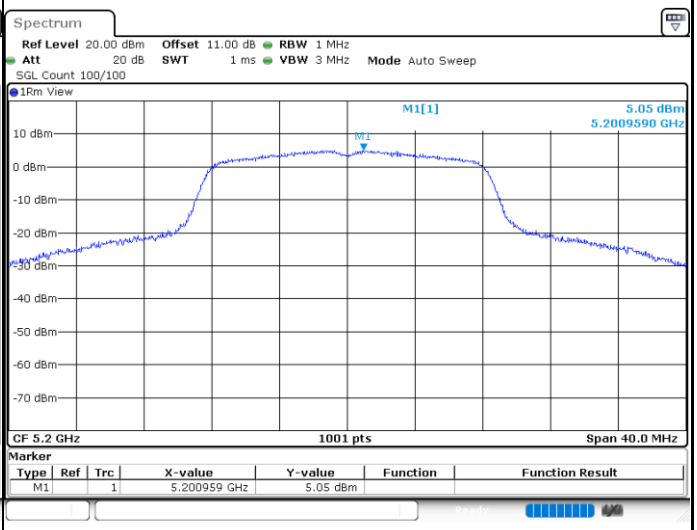
Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/MHz)	Total PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
U-NII-1	36	5180	3.59	3.71	11.00	Pass
	40	5200	5.05	5.17	11.00	Pass
	48	5240	5.16	5.28	11.00	Pass
U-NII-2A	52	5260	4.89	5.01	11.00	Pass
	60	5300	4.81	4.93	11.00	Pass
	64	5320	4.45	4.57	11.00	Pass
U-NII-2C	100	5500	1.90	2.02	11.00	Pass
	116	5580	5.73	5.85	11.00	Pass
	140	5700	1.61	1.73	11.00	Pass

Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/500kHz)	Total PSD with Duty Factor (dBm/500kHz)	Maximum Limit (dBm/500kHz)	Pass / Fail
U-NII-3	149	5745	2.98	3.10	30.00	Pass
	157	5785	3.10	3.22	30.00	Pass
	165	5825	3.05	3.17	30.00	Pass

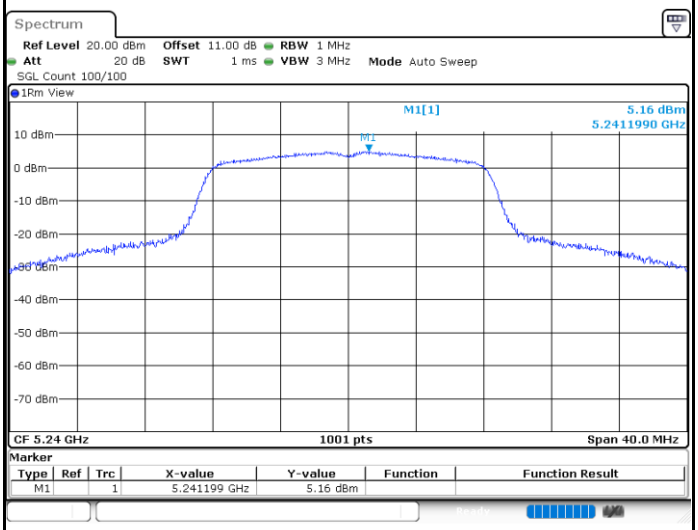
802.11a-Channel 36



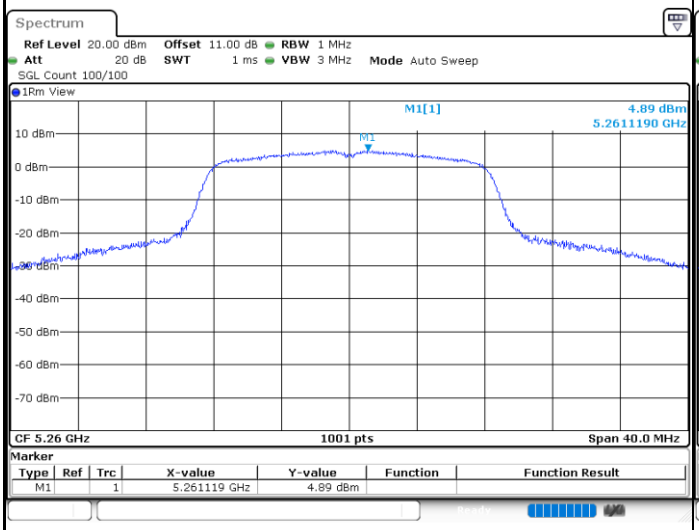
802.11a-Channel 40



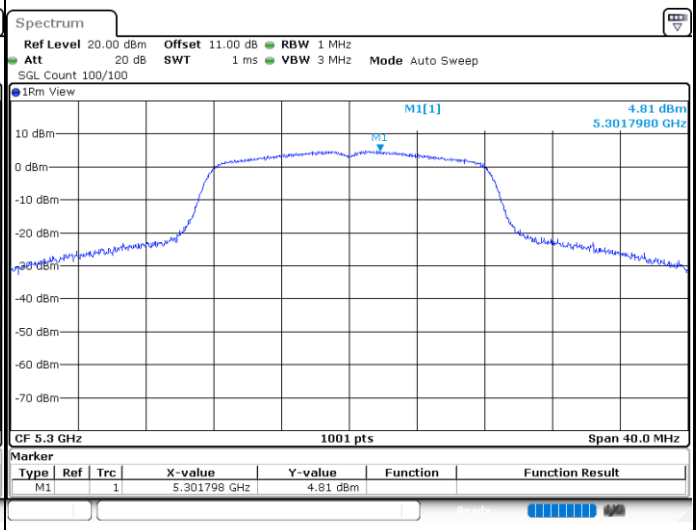
802.11a-Channel 48



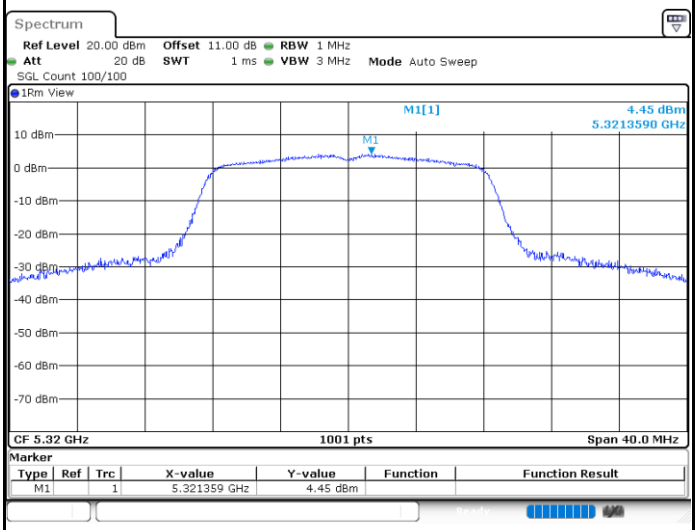
802.11a-Channel 52



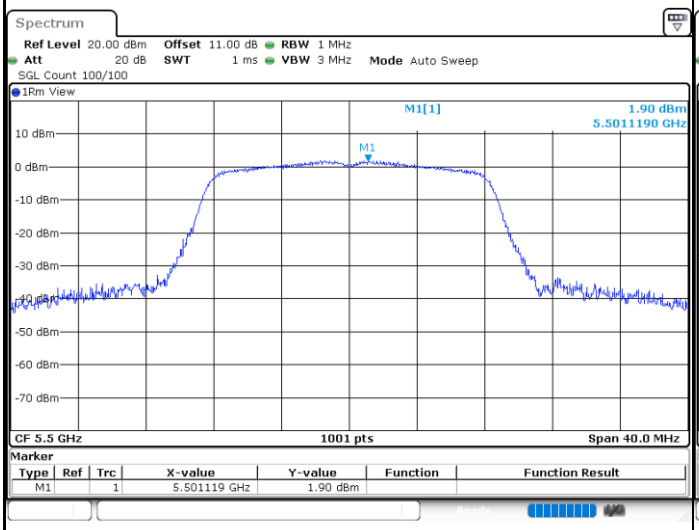
802.11a-Channel 60



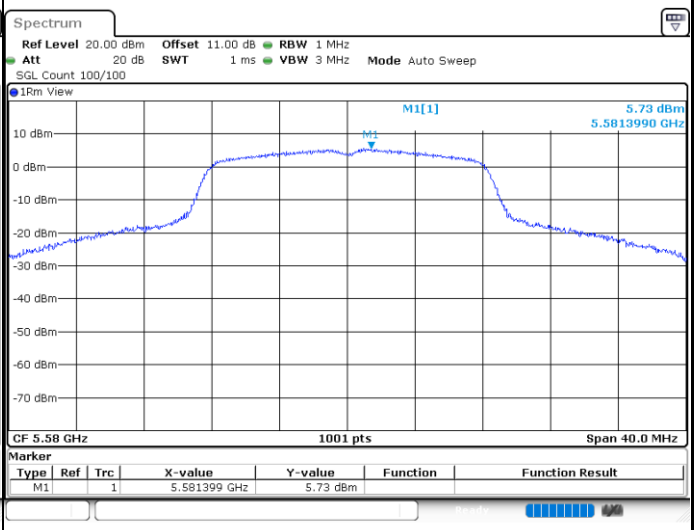
802.11a-Channel 64



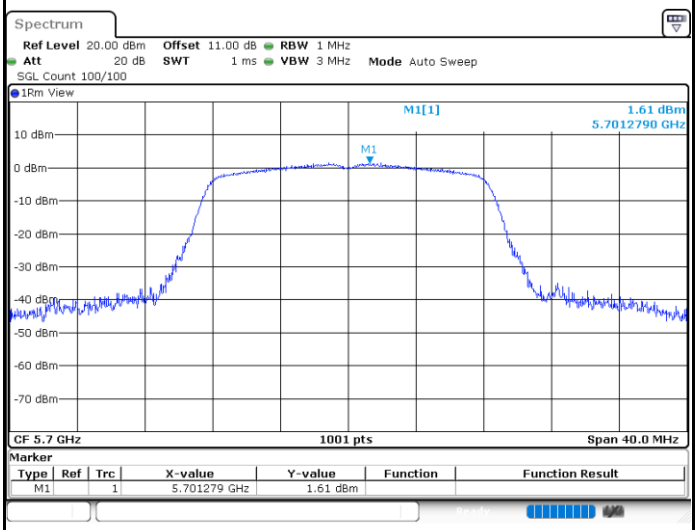
802.11a-Channel 100



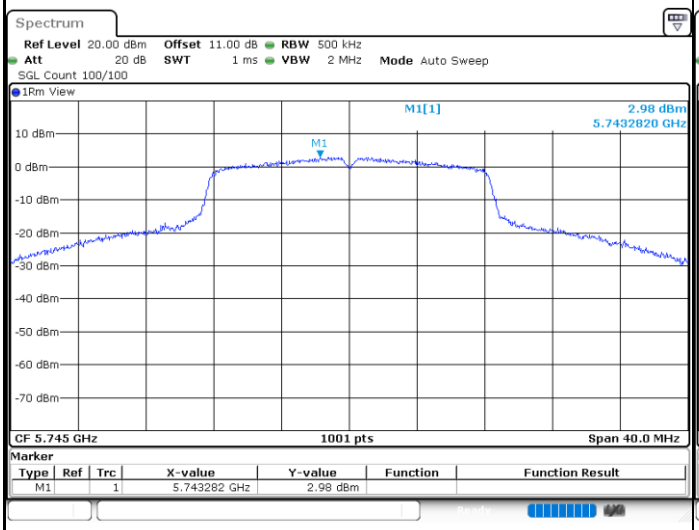
802.11a-Channel 116



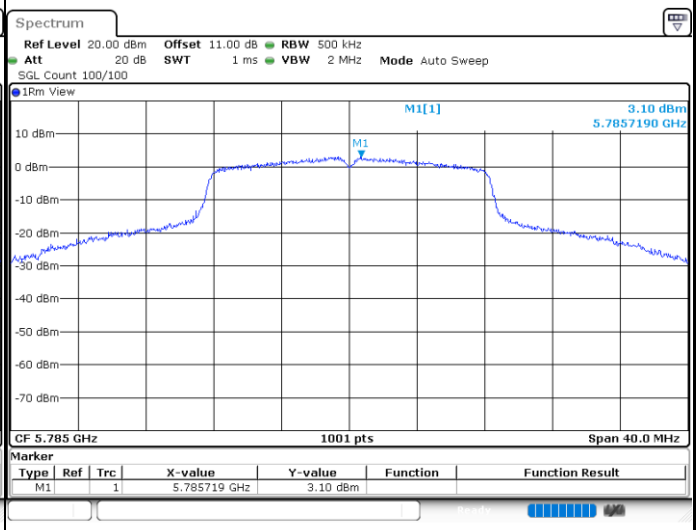
802.11a-Channel 140



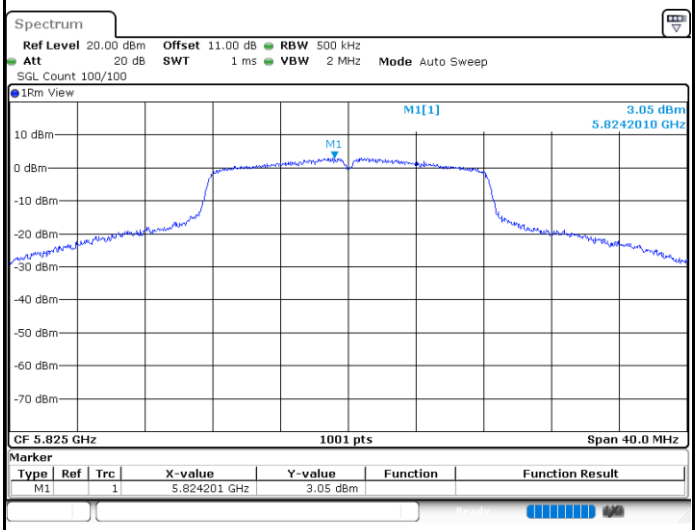
802.11a-Channel 149



802.11a-Channel 157



802.11a-Channel 165

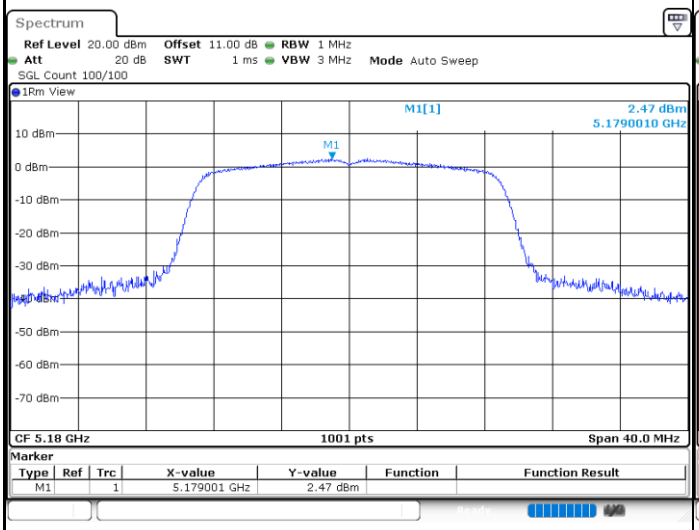


802.11ac VHT20

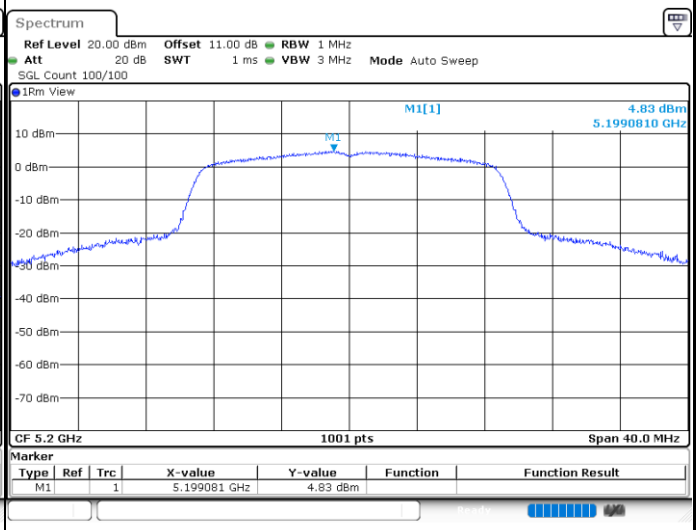
Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/MHz)	Total PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
U-NII-1	36	5180	2.47	2.60	11.00	Pass
	40	5200	4.83	4.96	11.00	Pass
	48	5240	4.72	4.85	11.00	Pass
U-NII-2A	52	5260	4.92	5.05	11.00	Pass
	60	5300	4.78	4.91	11.00	Pass
	64	5320	3.63	3.76	11.00	Pass
U-NII-2C	100	5500	2.31	2.44	11.00	Pass
	116	5580	5.04	5.17	11.00	Pass
	140	5700	0.93	1.06	11.00	Pass

Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/500kHz)	Total PSD with Duty Factor (dBm/500kHz)	Maximum Limit (dBm/500kHz)	Pass / Fail
U-NII-3	149	5745	3.33	3.46	30.00	Pass
	157	5785	3.35	3.48	30.00	Pass
	165	5825	3.31	3.44	30.00	Pass

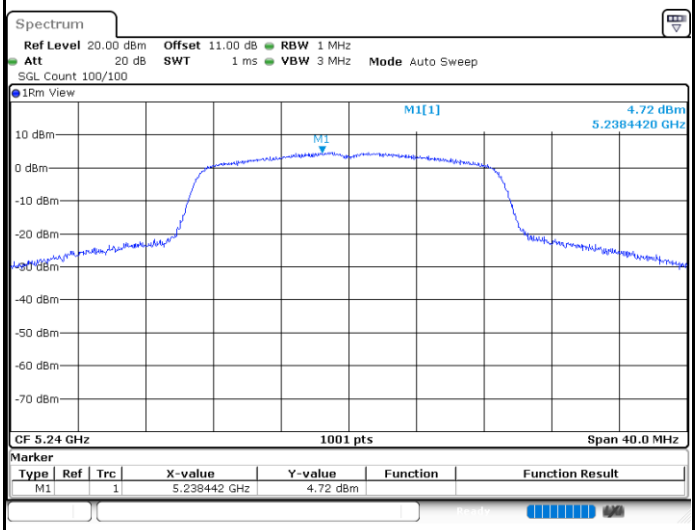
802.11ac VHT20-Channel 36



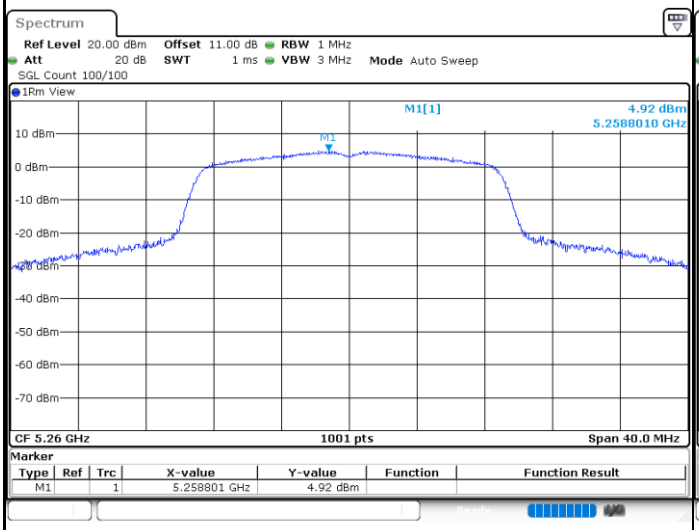
802.11ac VHT20-Channel 40



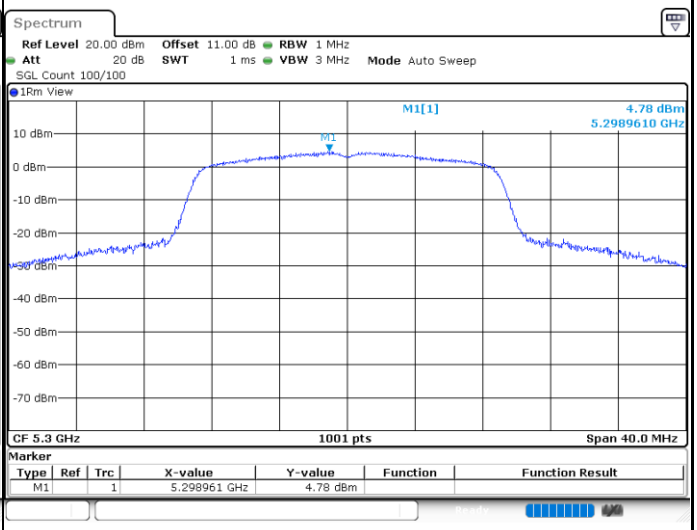
802.11ac VHT20-Channel 48



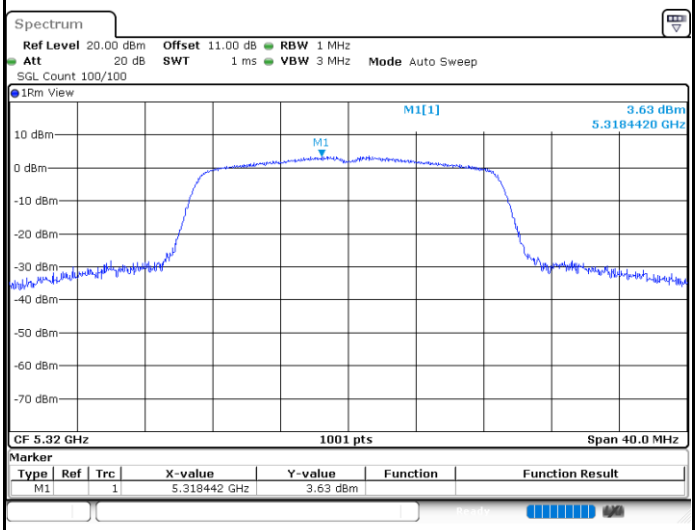
802.11ac VHT20-Channel 52



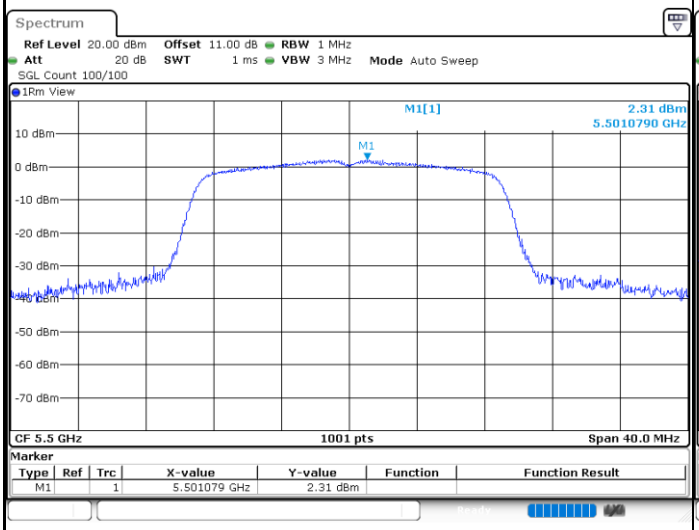
802.11ac VHT20-Channel 60



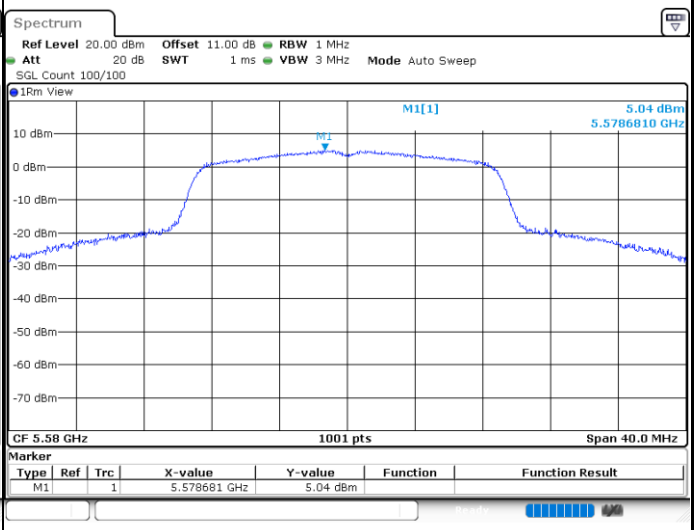
802.11ac VHT20-Channel 64



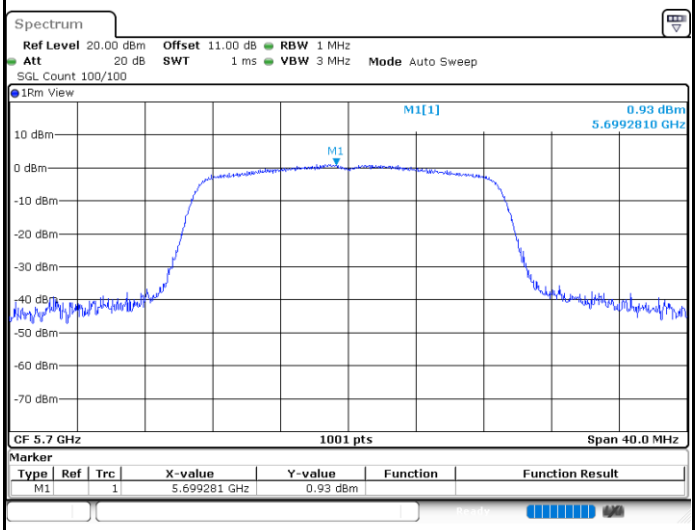
802.11ac VHT20-Channel 100



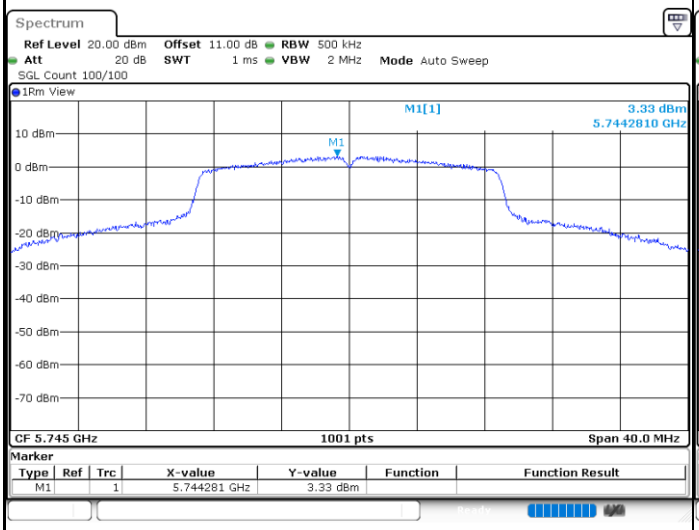
802.11ac VHT20-Channel 116



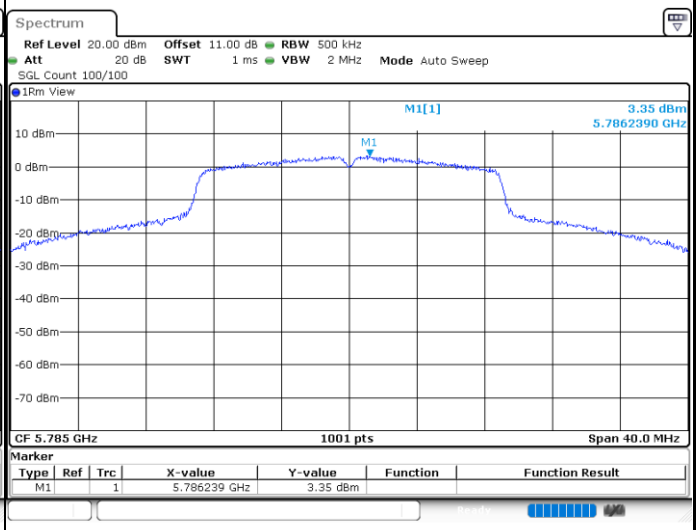
802.11ac VHT20-Channel 140



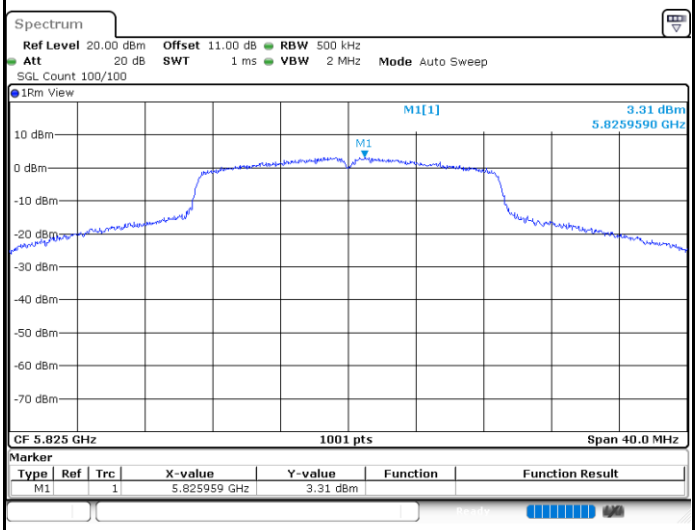
802.11ac VHT20-Channel 149



802.11ac VHT20-Channel 157



802.11ac VHT20-Channel 165

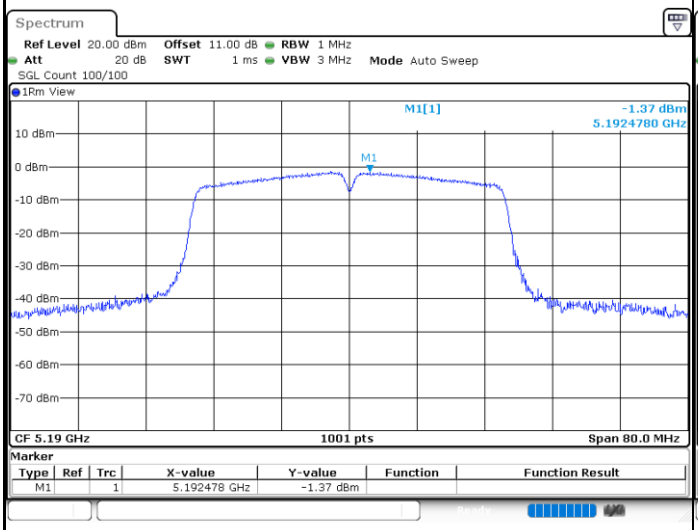


802.11ac VHT40

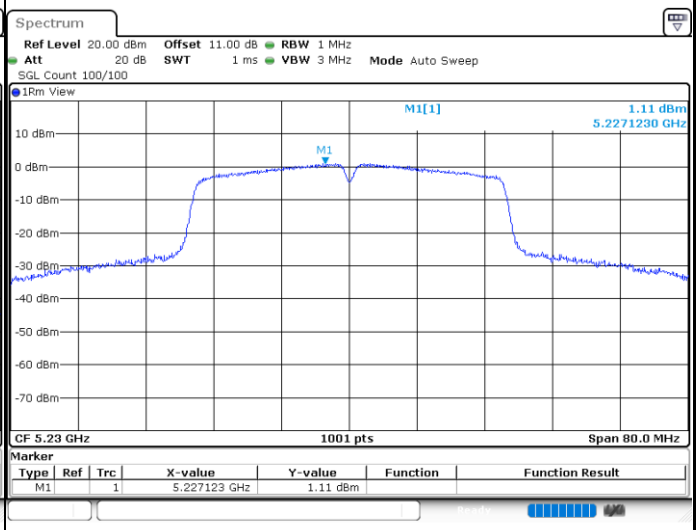
Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/MHz)	Total PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
U-NII-1	38	5190	-1.37	-1.14	11.00	Pass
	46	5230	1.11	1.34	11.00	Pass
U-NII-2A	54	5270	1.79	2.02	11.00	Pass
	62	5310	-0.75	-0.52	11.00	Pass
U-NII-2C	102	5510	-3.36	-3.13	11.00	Pass
	110	5550	2.10	2.33	11.00	Pass
	134	5670	1.03	1.26	11.00	Pass

Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/500kHz)	Total PSD with Duty Factor (dBm/500kHz)	Maximum Limit (dBm/500kHz)	Pass / Fail
U-NII-3	151	5755	-0.66	-0.43	30.00	Pass
	159	5795	1.04	1.27	30.00	Pass

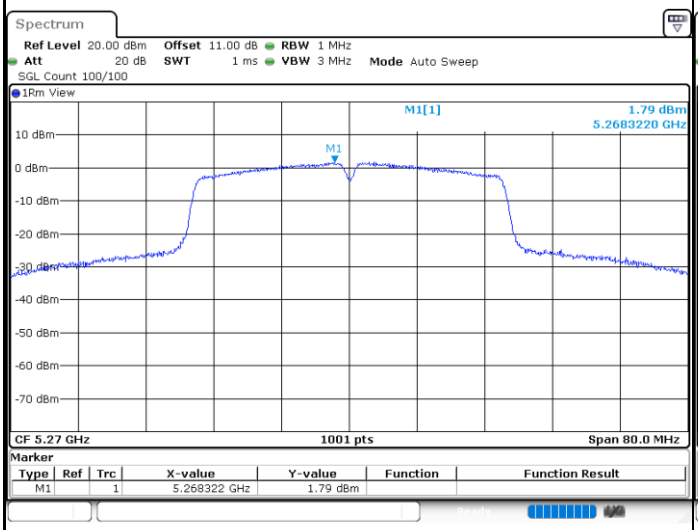
802.11ac VHT40-Channel 38



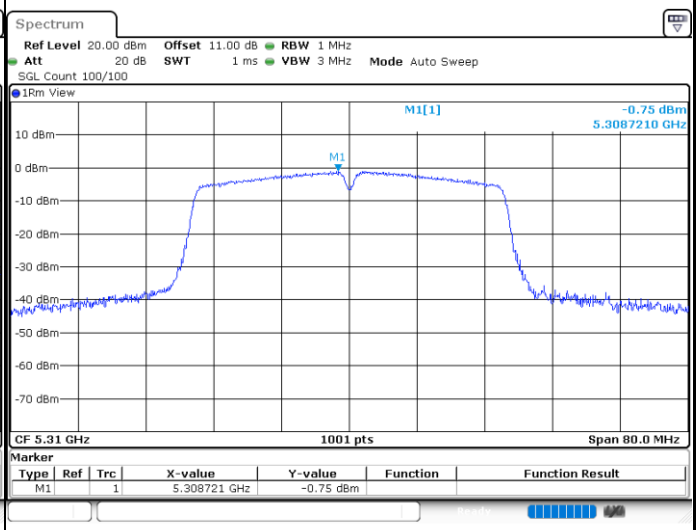
802.11ac VHT40-Channel 46



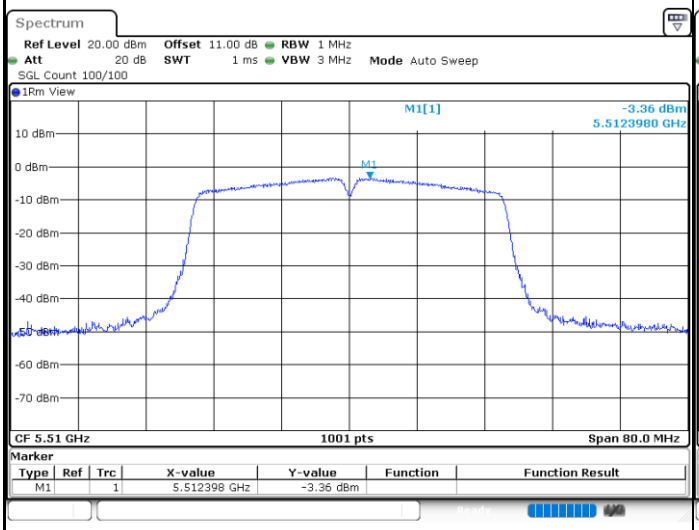
802.11ac VHT40-Channel 54



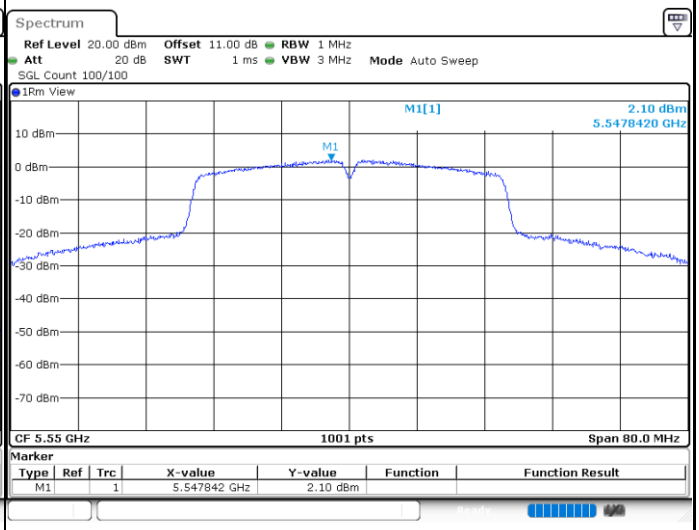
802.11ac VHT40-Channel 62



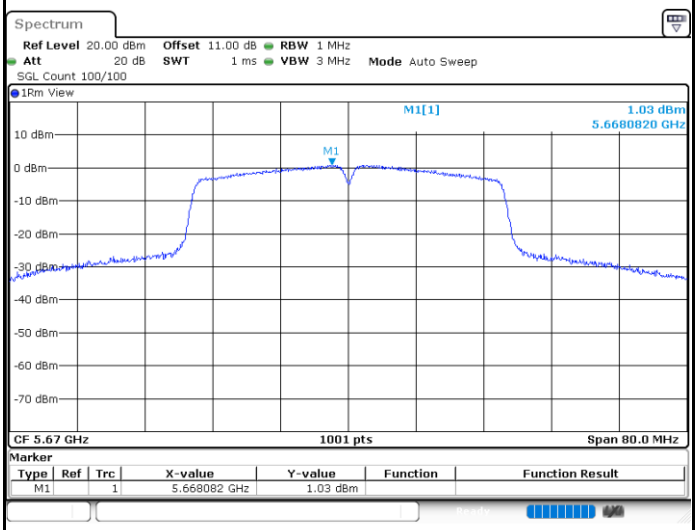
802.11ac VHT40-Channel 102

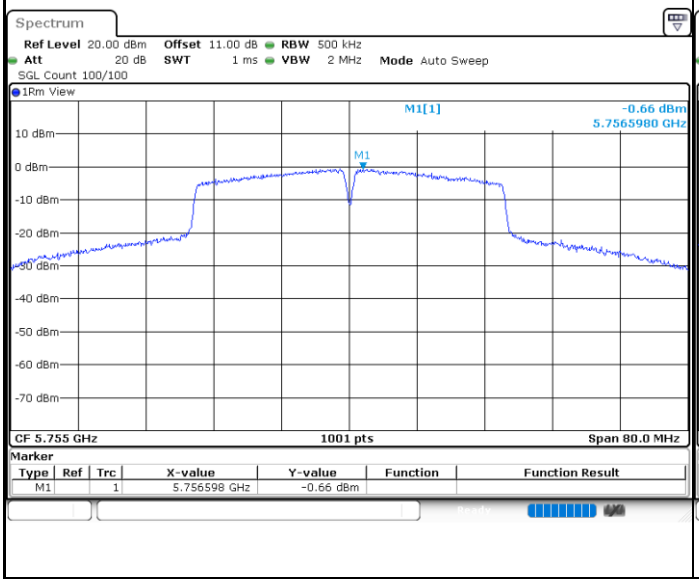
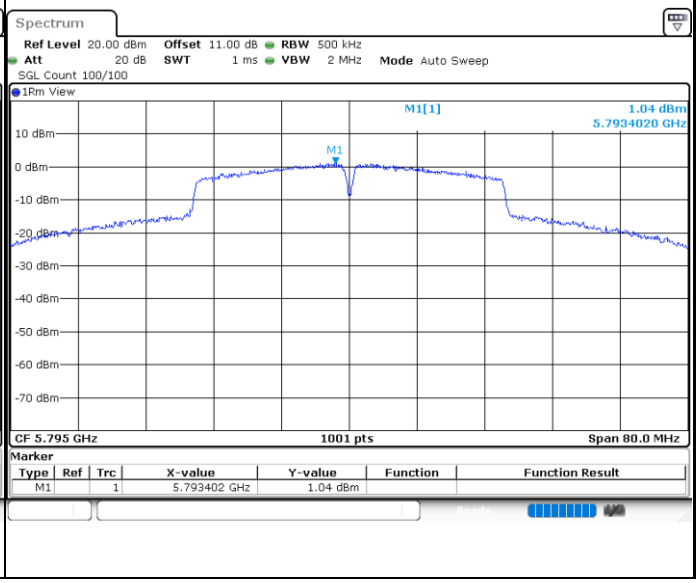


802.11ac VHT40-Channel 110



802.11ac VHT40-Channel 134



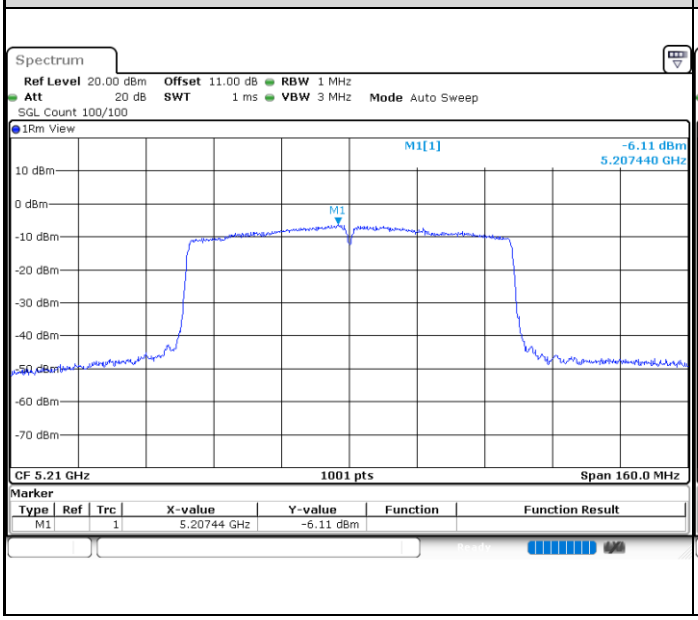
802.11ac VHT40-Channel 151	802.11ac VHT40-Channel 159
	

802.11ac VHT80

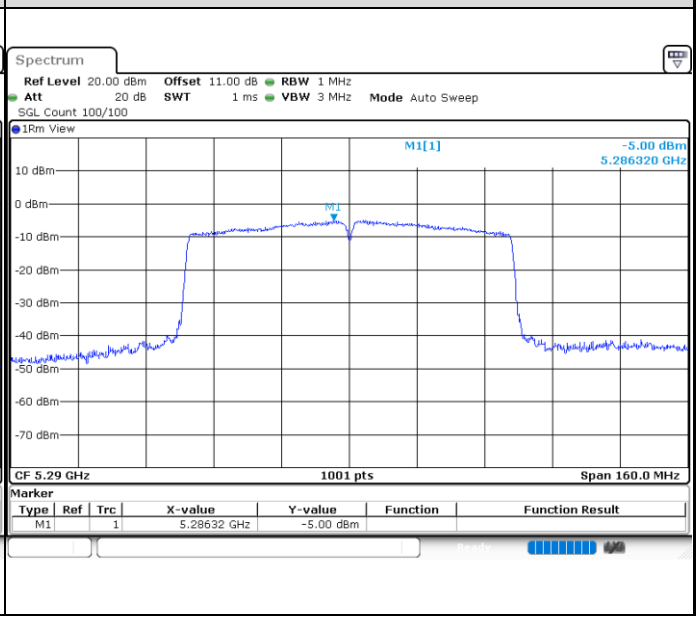
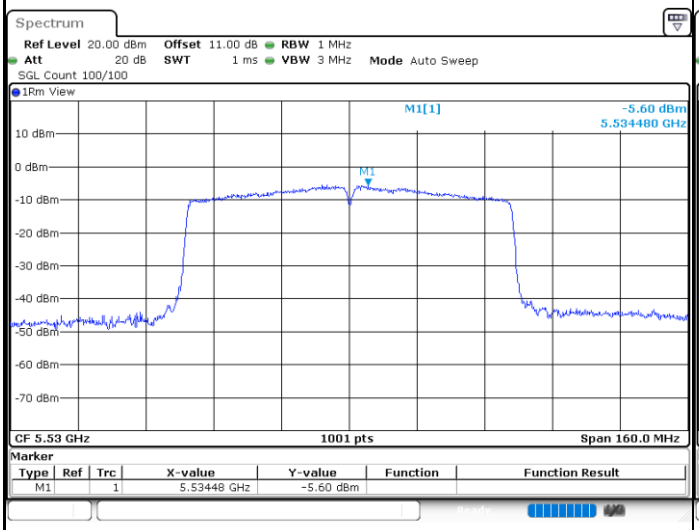
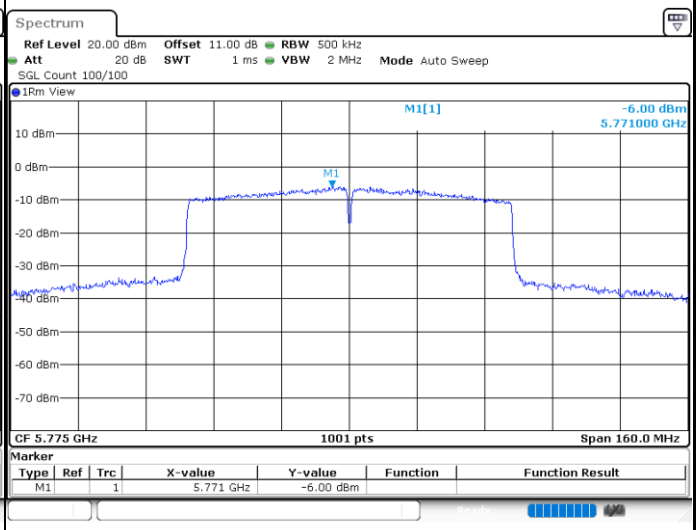
Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/MHz)	Total PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
U-NII-1	42	5210	-6.11	-5.68	11.00	Pass
U-NII-2A	58	5290	-5.00	-4.57	11.00	Pass
U-NII-2C	106	5530	-5.60	-5.17	11.00	Pass

Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/500kHz)	Total PSD with Duty Factor (dBm/500kHz)	Maximum Limit (dBm/500kHz)	Pass / Fail
U-NII-3	155	5775	-6.00	-5.57	30.00	Pass

802.11ac VHT80-Channel 42



802.11ac VHT80-Channel 58



802.11ac VHT80-Channel 106	802.11ac VHT80-Channel 155