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Tel: +86-755- 27521059 Fax: +86-755- 27521011 Http://www.sz-ctc.org.cn

Appendix for 5G WIFI

Applicant: LAUNCH TECH CO., LTD

Address: Launch Industrial Park, North of Wuhe Avenue, Banxuegang, Longgang, Shenzhen, Guangdong, P.R. China

Product Name: Automotive Diagnosis Tool

Model: X-431 PAD Ⅶ

FCC ID: XUJPADVII

TABLE OF CONTENTS

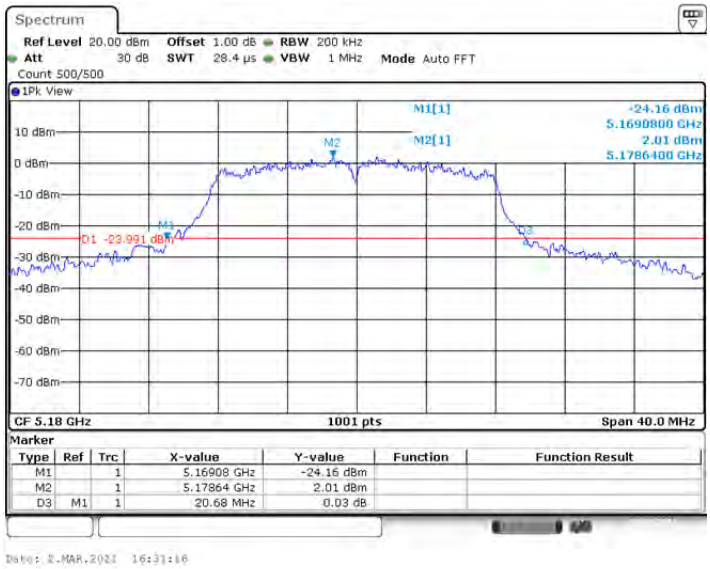
Appendix A1: Emission Bandwidth

Test Result

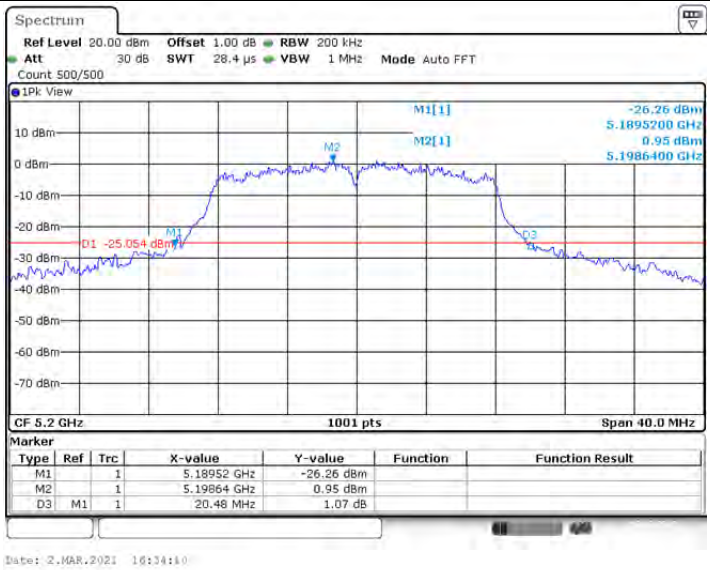
Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	Ant1	5180	20.680	5169.080	5189.760	PASS
		5200	20.480	5189.520	5210.000	PASS
		5240	21.960	5229.000	5250.960	PASS
		5745	28.760	5730.000	5758.760	PASS
		5785	26.520	5771.920	5798.440	PASS
		5825	24.880	5812.600	5837.480	PASS
802.11n(HT20)	Ant1	5180	20.120	5169.840	5189.960	PASS
		5200	20.200	5189.680	5209.880	PASS
		5240	20.920	5229.320	5250.240	PASS
		5745	26.160	5731.680	5757.840	PASS
		5785	27.080	5770.760	5797.840	PASS
		5825	26.480	5810.720	5837.200	PASS
802.11n(HT40)	Ant1	5190	41.360	5169.040	5210.400	PASS
		5230	51.600	5207.600	5259.200	PASS
		5755	62.480	5720.840	5783.320	PASS
		5795	60.240	5761.240	5821.480	PASS
802.11ac(VHT20)	Ant1	5180	19.920	5169.960	5189.880	PASS
		5200	20.320	5189.600	5209.920	PASS
		5240	20.720	5229.680	5250.400	PASS
		5745	25.640	5732.200	5757.840	PASS
		5785	26.040	5771.160	5797.200	PASS
		5825	27.920	5811.840	5839.760	PASS
802.11ac(VHT40)	Ant1	5190	40.960	5169.440	5210.400	PASS
		5230	40.720	5209.760	5250.480	PASS
		5755	56.240	5725.400	5781.640	PASS
		5795	60.400	5761.240	5821.640	PASS
802.11ac(VHT80)	Ant1	5210	88.480	5169.360	5257.840	PASS
		5775	127.200	5704.600	5831.800	PASS

Test Graphs

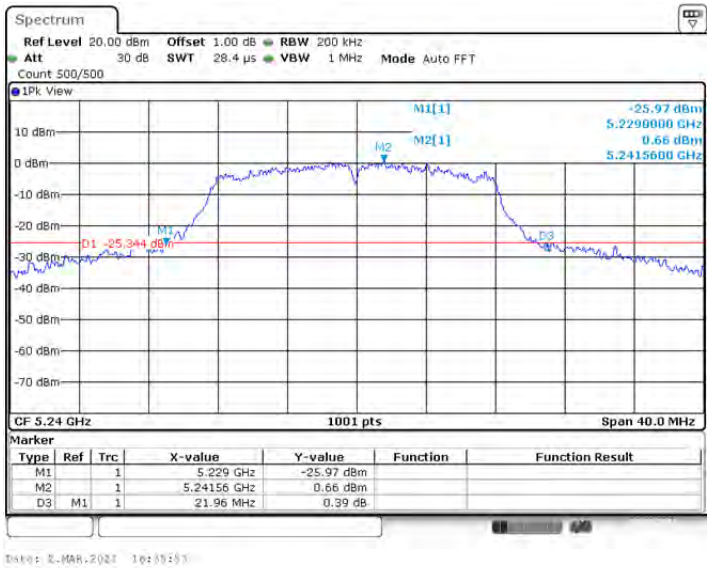
802.11a_Ant1_5180



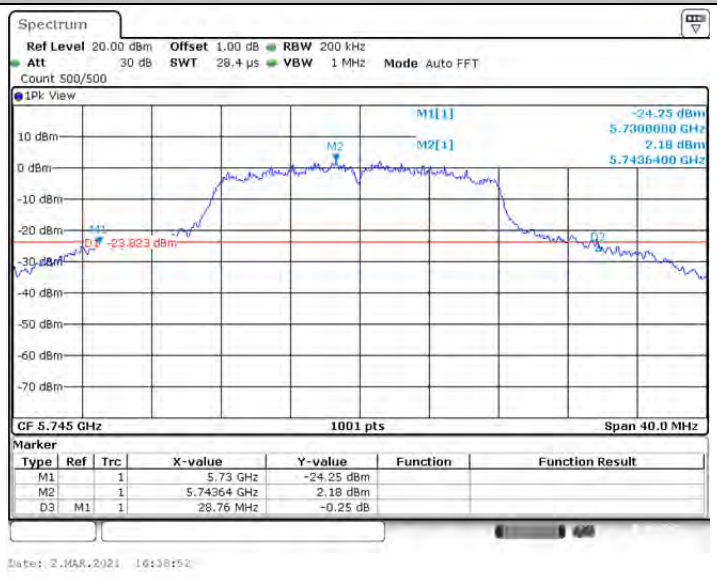
802.11a_Ant1_5200



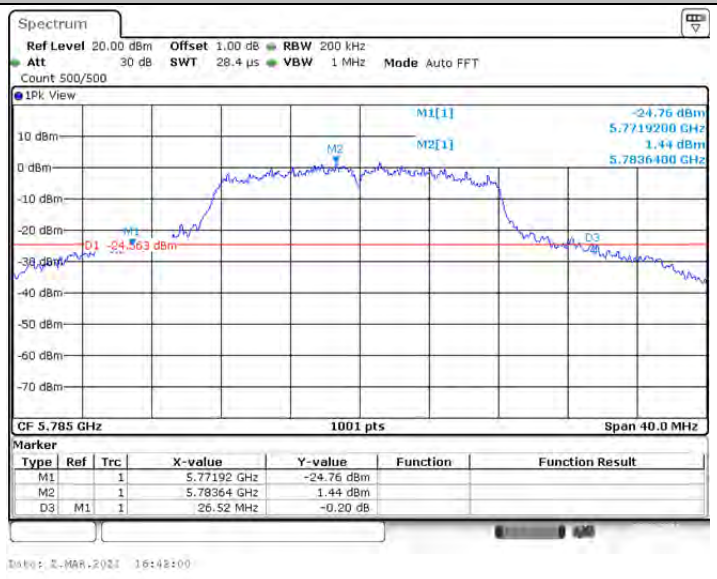
802.11a_Ant1_5240



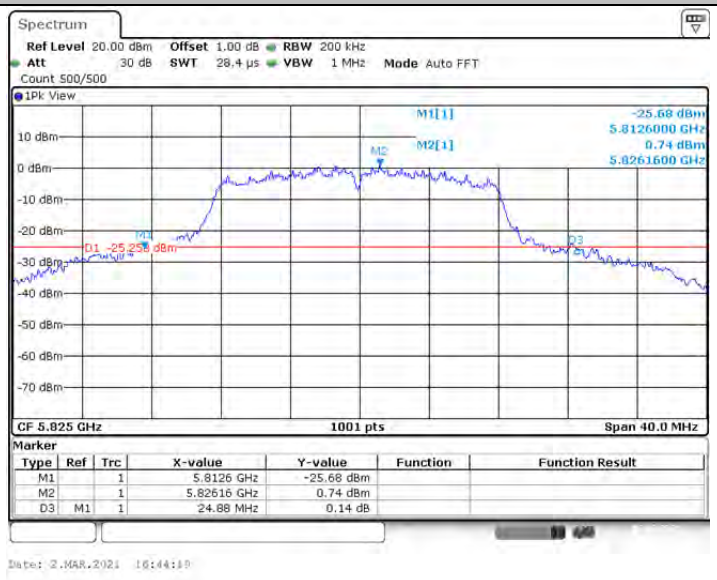
802.11a_Ant1_5745



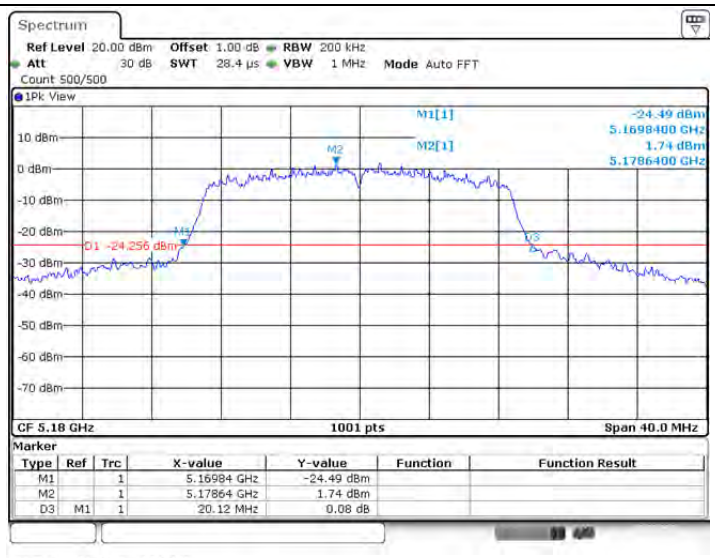
802.11a_Ant1_5785



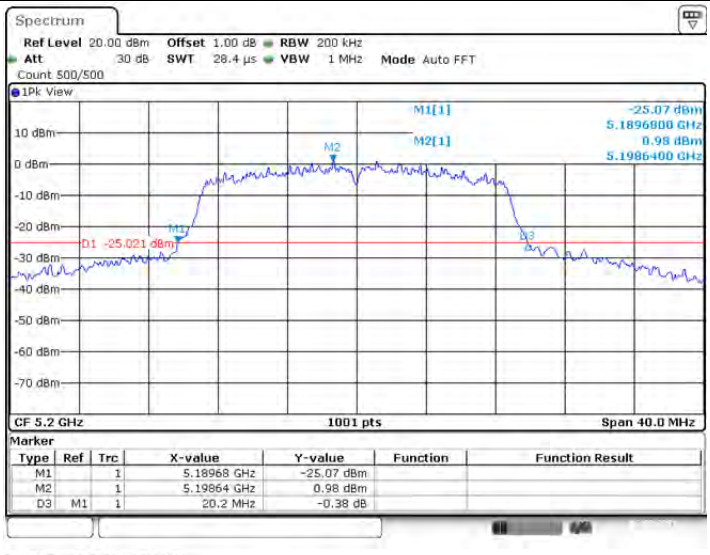
802.11a_Ant1_5825



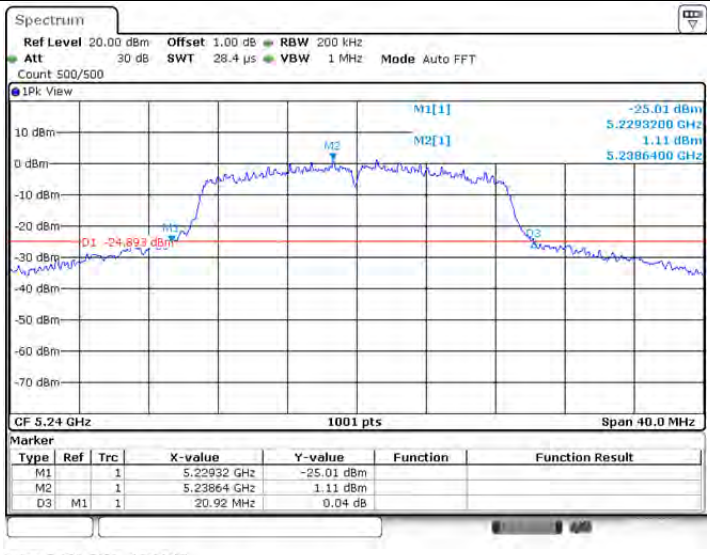
802.11n(HT20)_Ant1_5180



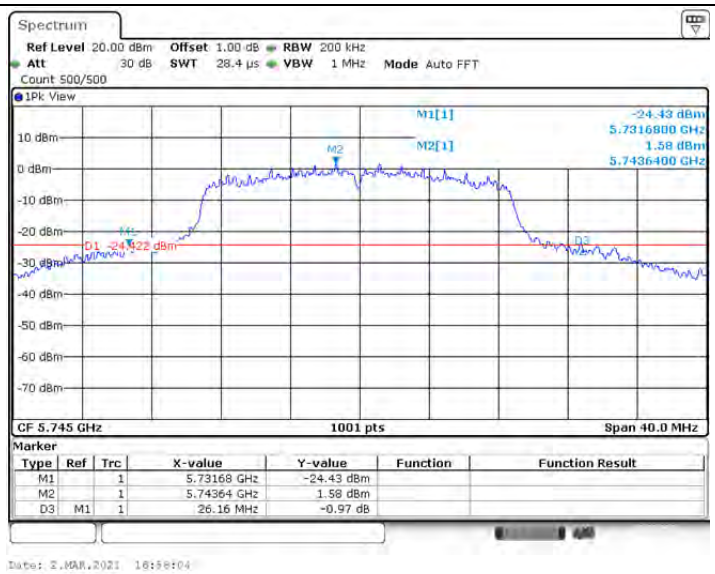
802.11n(HT20)_Ant1_5200



802.11n(HT20)_Ant1_5240

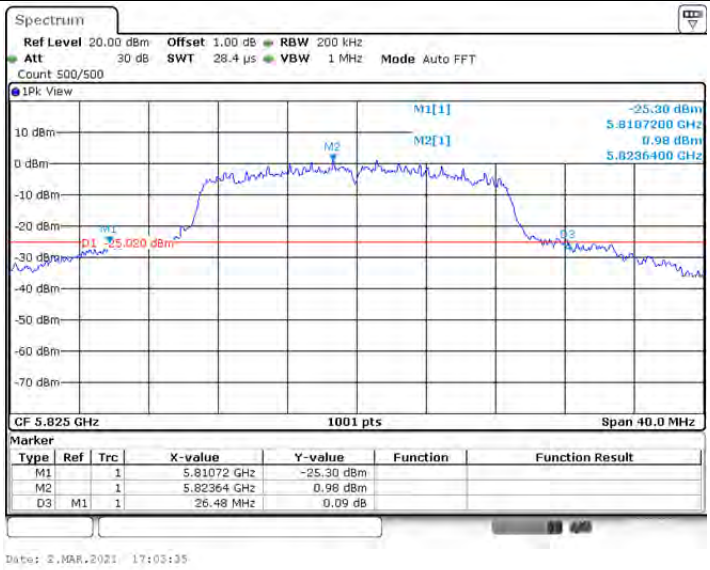


802.11n(HT20)_Ant1_5745

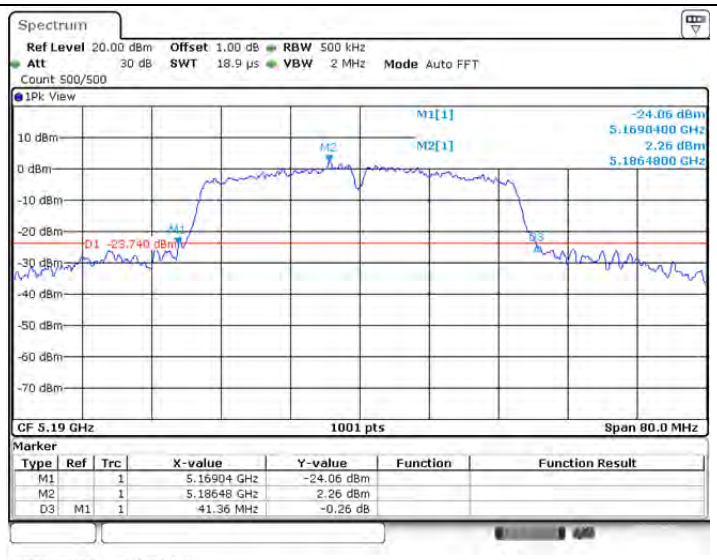


802.11n(HT20)_Ant1_5785

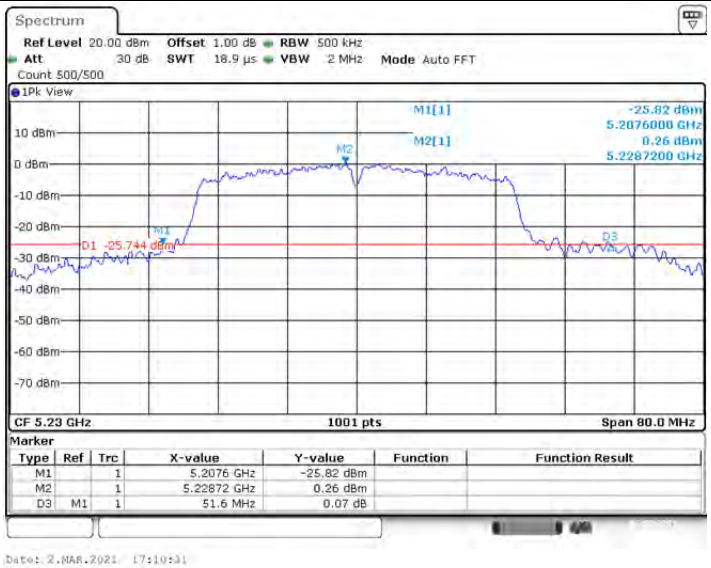
802.11n(HT20)_Ant1_5825



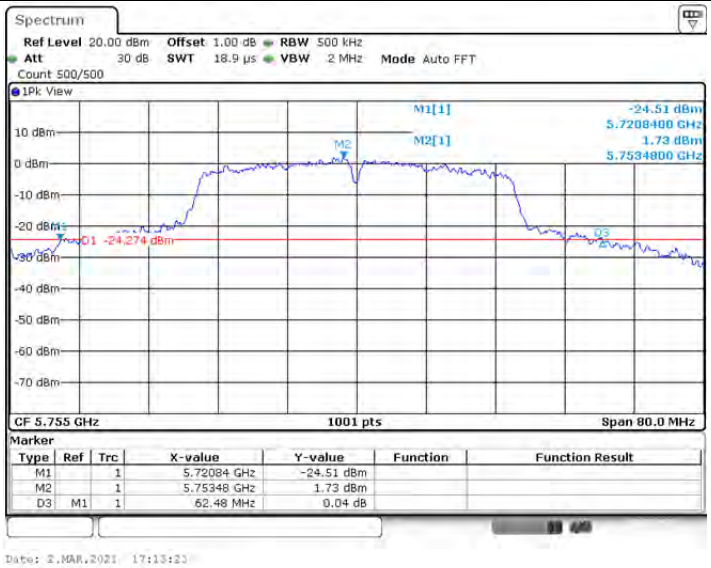
802.11n(HT40)_Ant1_5190



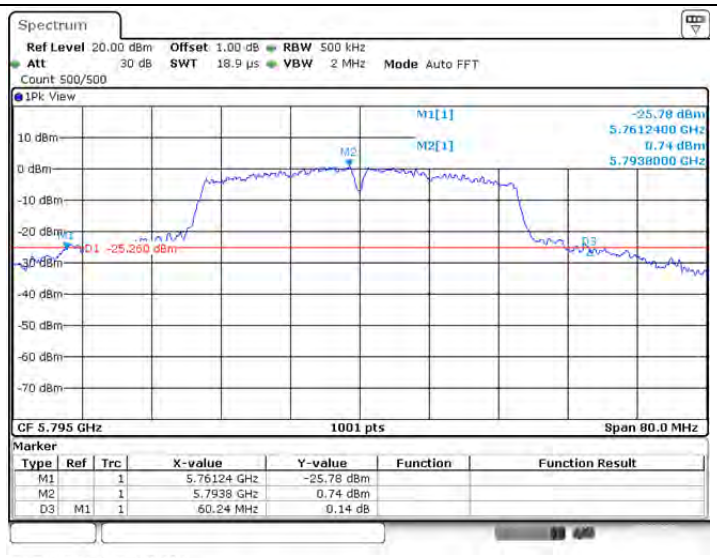
802.11n(HT40)_Ant1_5230



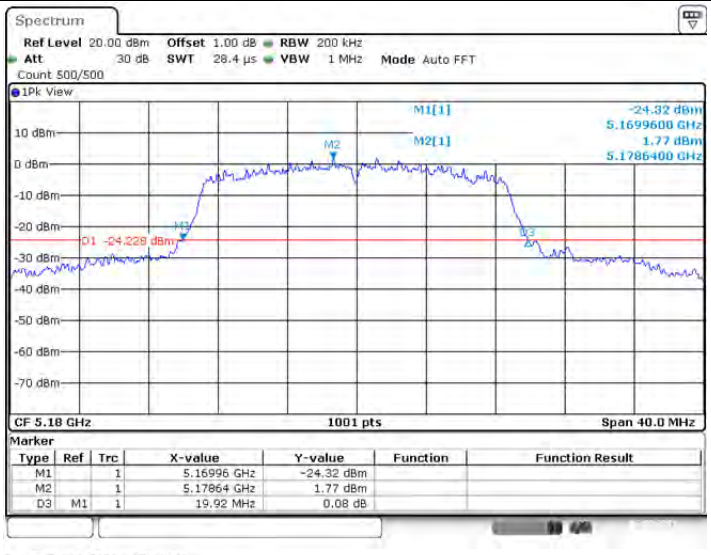
802.11n(HT40)_Ant1_5755



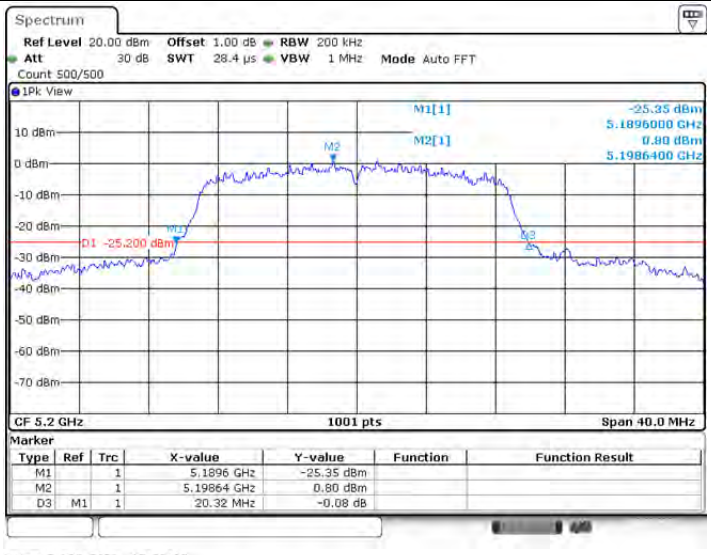
802.11n(HT40)_Ant1_5795



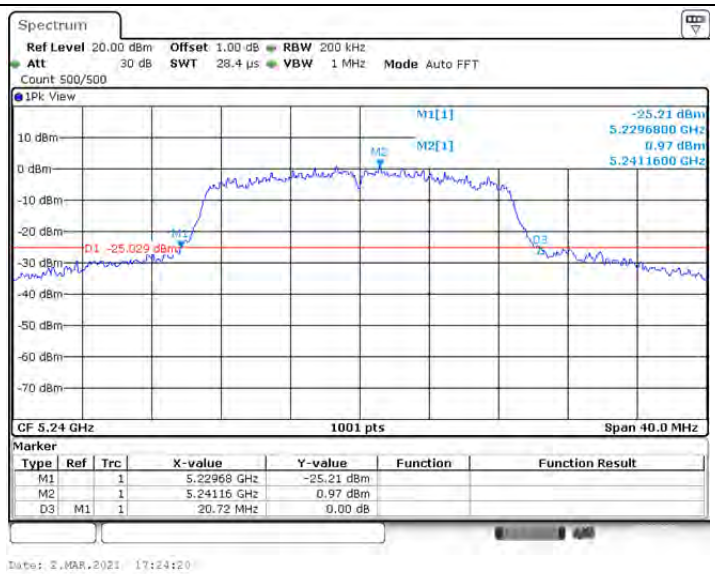
802.11ac(VHT20)_Ant1_5180



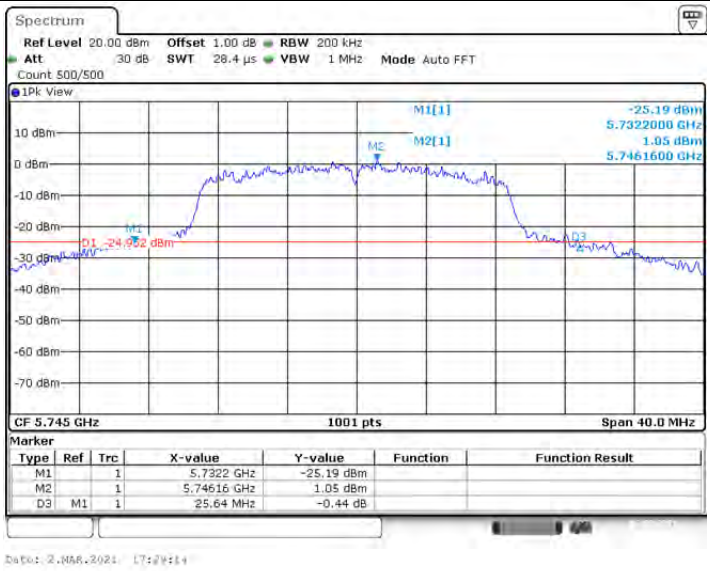
802.11ac(VHT20)_Ant1_5200



802.11ac(VHT20)_Ant1_5240

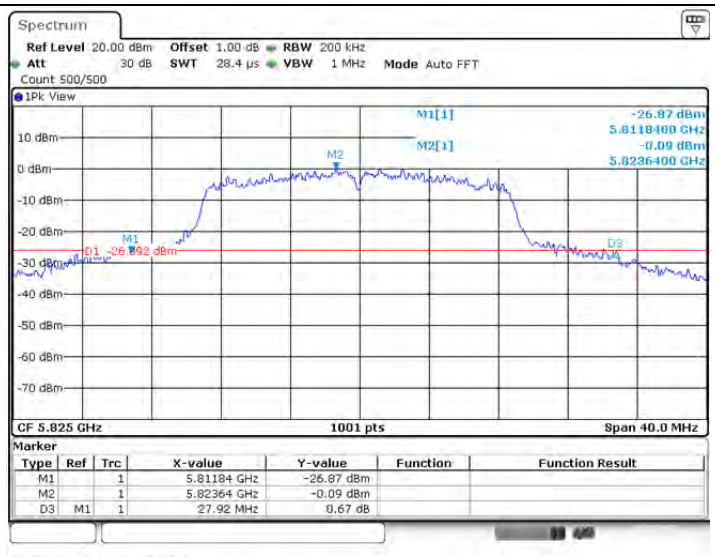


802.11ac(VHT20)_Ant1_5745

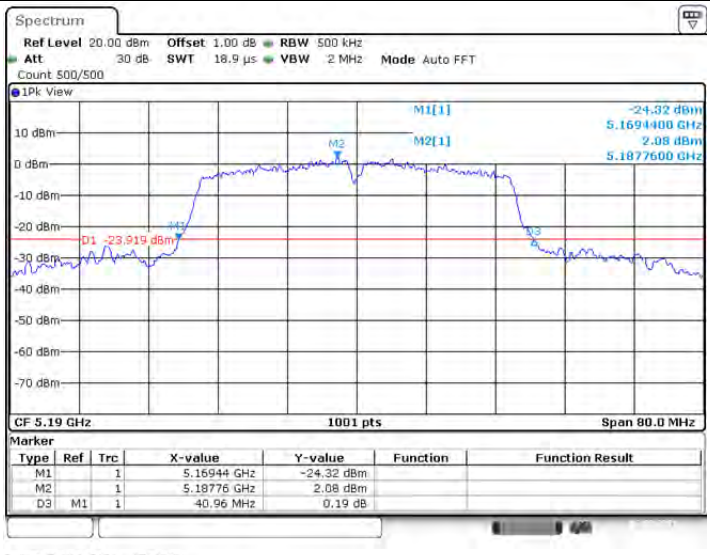


802.11ac(VHT20)_Ant1_5785

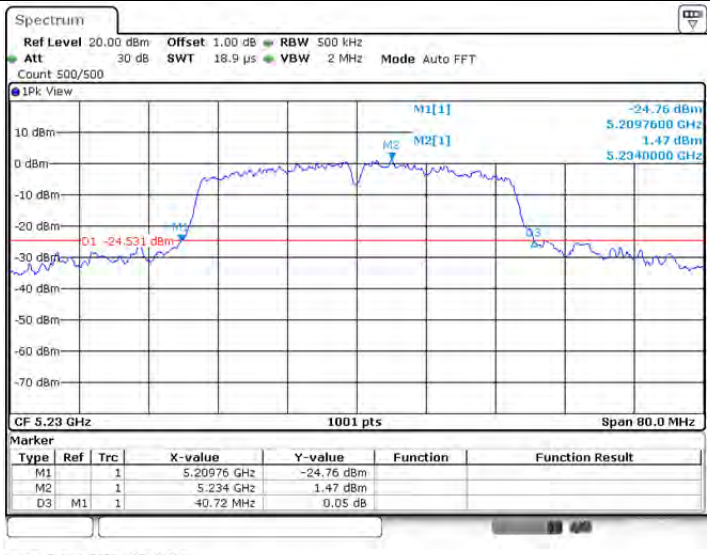
802.11ac(VHT20)_Ant1_5825



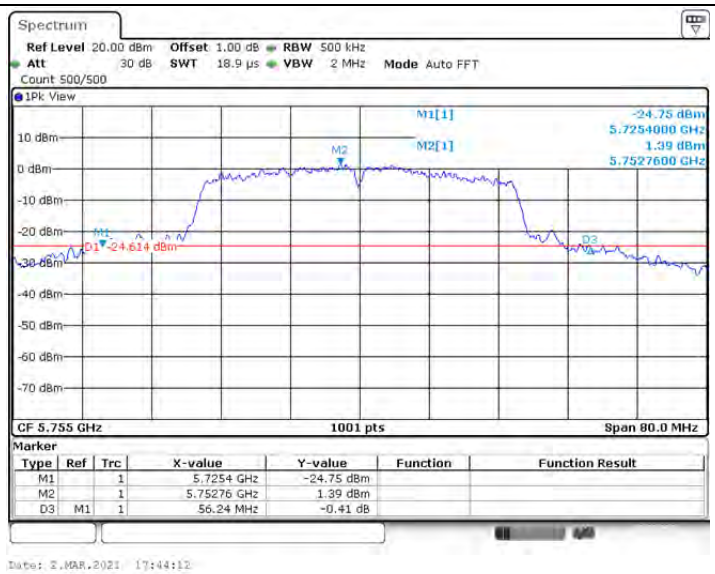
802.11ac(VHT40)_Ant1_5190



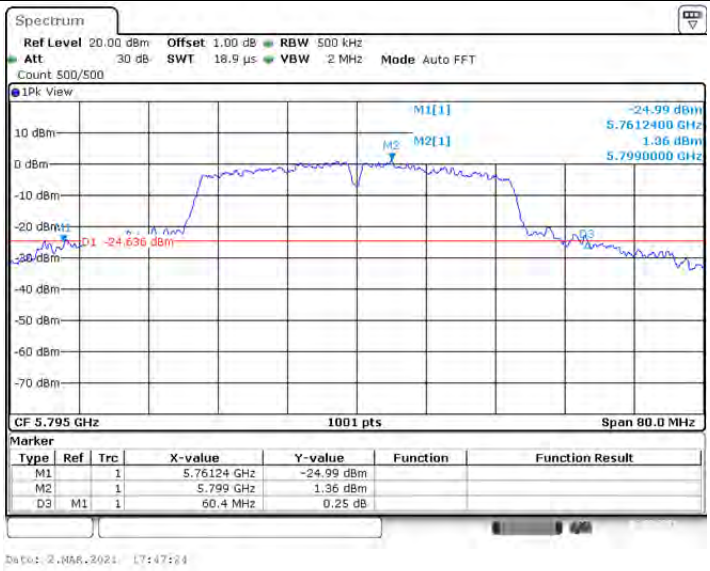
802.11ac(VHT40)_Ant1_5230



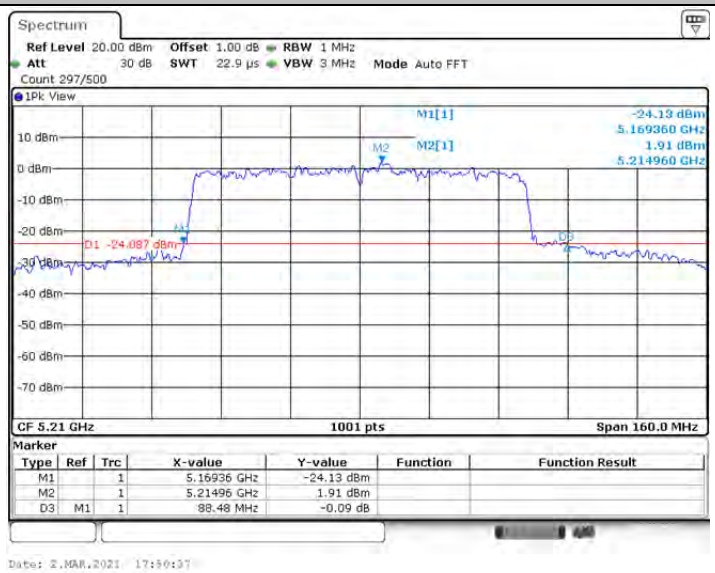
802.11ac(VHT40)_Ant1_5755



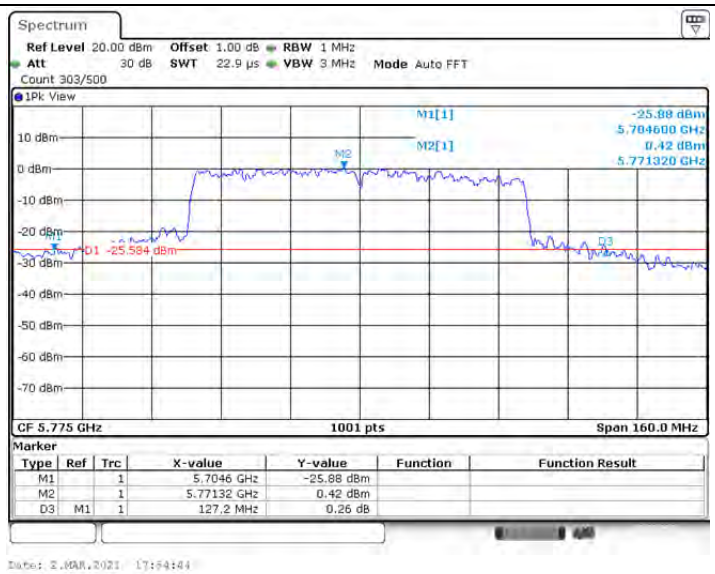
802.11ac(VHT40)_Ant1_5795



802.11ac(VHT80)_Ant1_5210



802.11ac(VHT80)_Ant1_5775

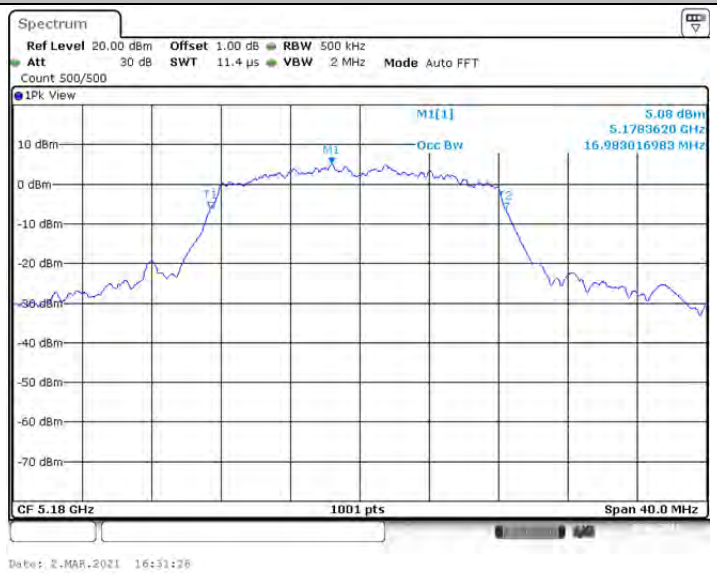

Spectrum
Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz
Att 30 dB SWT 22.9 µs VBW 3 MHz Mode Auto FFT
Count 303/500
1Pk View
M1[1] -25.88 dBm
5.704600 GHz
M2[1] 0.42 dBm
5.771320 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
D1 -25.584 dBm
CF 5.775 GHz
1001 pts
Span 160.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 5.7046 GHz -25.88 dBm
M2 1 5.77132 GHz 0.42 dBm
D3 M1 1 127.2 MHz 0.26 dB

Appendix A2: Occupied channel bandwidth

Test Result

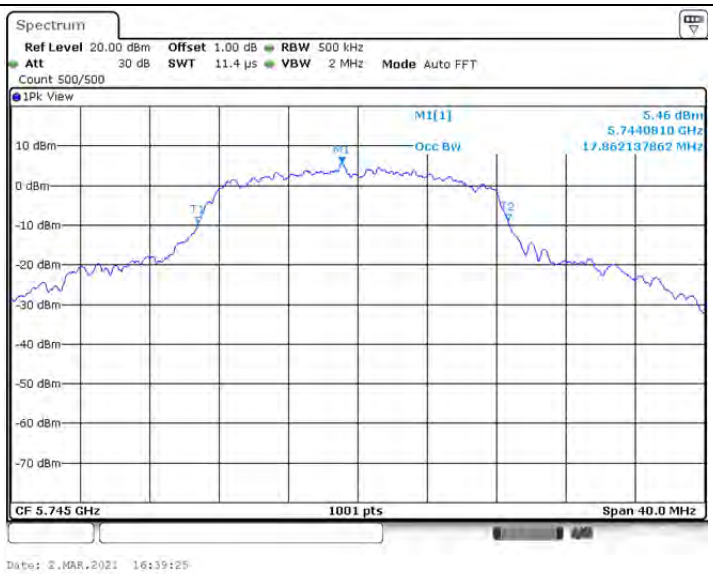
Test Mode	Antenna	Channel	OCB [MHz]	Verdict
802.11a	Ant1	5180	16.983	PASS
		5200	17.463	PASS
		5240	17.423	PASS
		5745	17.862	PASS
		5785	17.463	PASS
		5825	17.423	PASS
802.11n(HT20)	Ant1	5180	18.022	PASS
		5200	18.022	PASS
		5240	18.142	PASS
		5745	18.422	PASS
		5785	18.262	PASS
		5825	18.182	PASS
802.11n(HT40)	Ant1	5190	36.284	PASS
		5230	36.444	PASS
		5755	36.683	PASS
		5795	36.603	PASS
802.11ac(VHT20)	Ant1	5180	17.862	PASS
		5200	18.022	PASS
		5240	17.982	PASS
		5745	18.142	PASS
		5785	18.422	PASS
		5825	18.142	PASS
802.11ac(VHT40)	Ant1	5190	36.044	PASS
		5230	36.683	PASS
		5755	36.843	PASS
		5795	36.523	PASS
802.11ac(VHT80)	Ant1	5210	76.404	PASS
		5775	77.043	PASS

Test Graphs

802.11a_Ant1_5180

802.11a_Ant1_5200

802.11a_Ant1_5240

802.11a_Ant1_5745

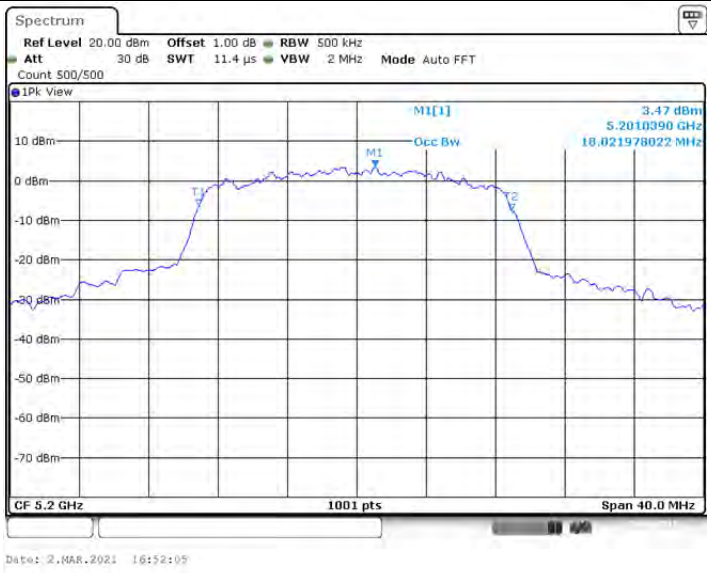


802.11a_Ant1_5785

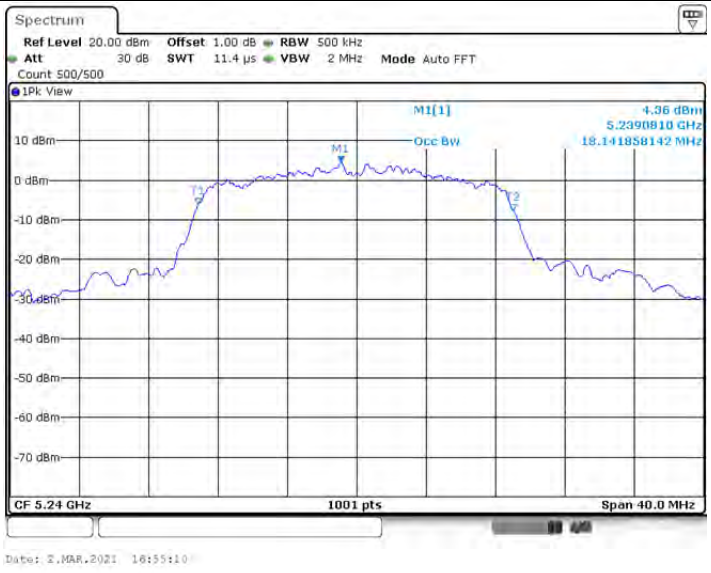
802.11a_Ant1_5825

802.11n(HT20)_Ant1_5180

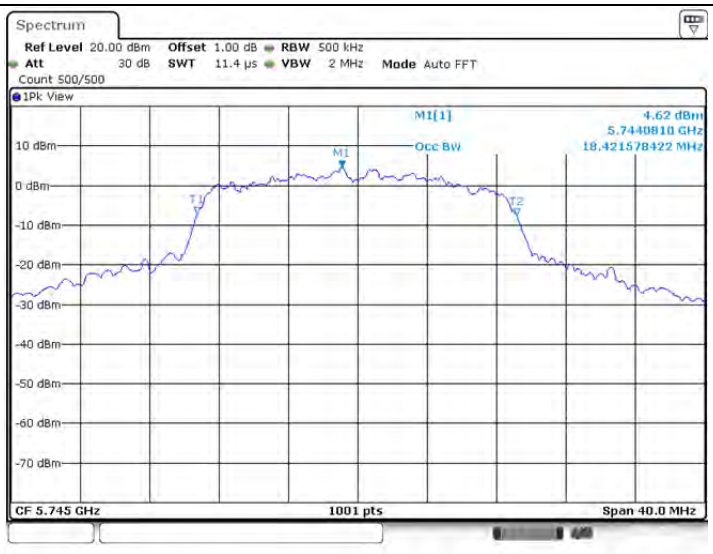
802.11n(HT20)_Ant1_5200



802.11n(HT20)_Ant1_5240



802.11n(HT20)_Ant1_5745

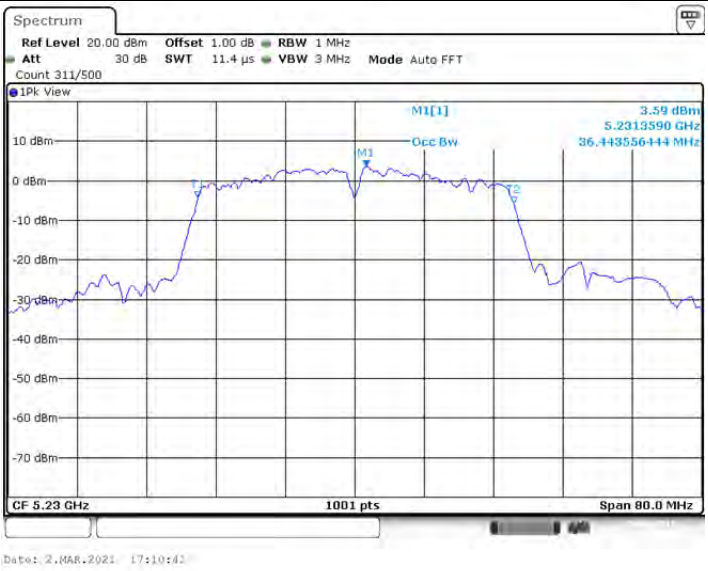


802.11n(HT20)_Ant1_5785

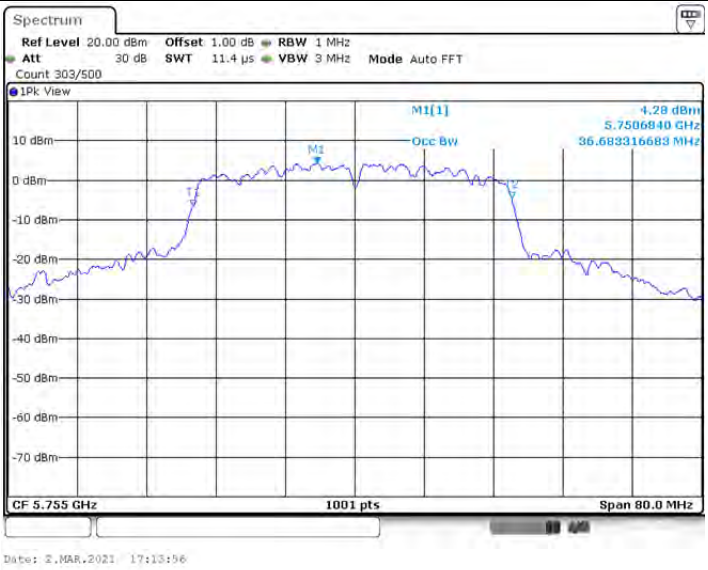
802.11n(HT20)_Ant1_5825

802.11n(HT40)_Ant1_5190

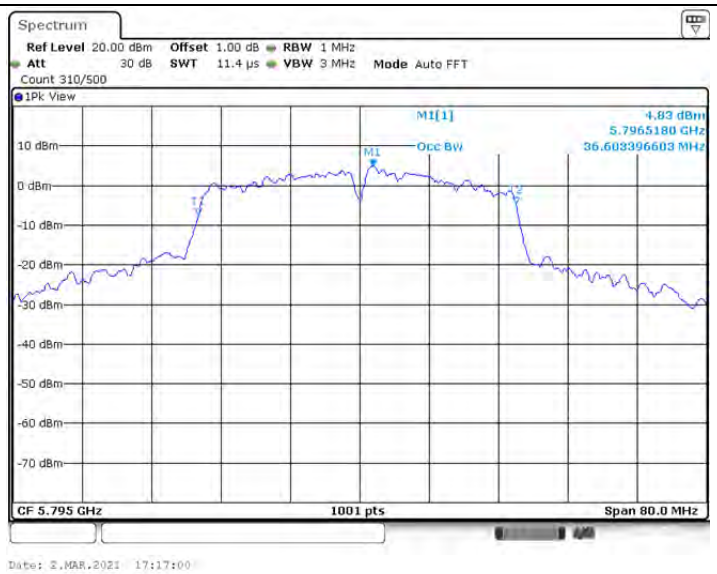
802.11n(HT40)_Ant1_5230



802.11n(HT40)_Ant1_5755



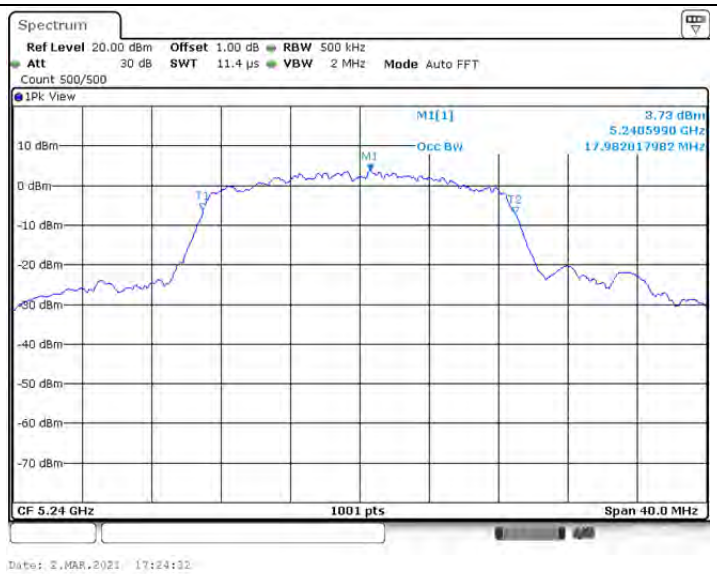
802.11n(HT40)_Ant1_5795



802.11ac(VHT20)_Ant1_5180

802.11ac(VHT20)_Ant1_5200

802.11ac(VHT20)_Ant1_5240



802.11ac(VHT20)_Ant1_5745

802.11ac(VHT20)_Ant1_5785

802.11ac(VHT20)_Ant1_5825

802.11ac(VHT40)_Ant1_5190

802.11ac(VHT40)_Ant1_5230

802.11ac(VHT40)_Ant1_5755

802.11ac(VHT40)_Ant1_5795

802.11ac(VHT80)_Ant1_5210

802.11ac(VHT80)_Ant1_5775


Spectrum
Ref Level 20.00 dBm Offset 1.00 dB RBW 2 MHz
Att 30 dB SWT 17.2 µs VBW 10 MHz Mode Auto FFT
Count 106/500
1Pk View
M1[1] 4.52 dBm
5.761090 GHz
Occ BW 77.042957043 MHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 5.775 GHz
1001 pts
Span 160.0 MHz
Date: 2.MAR.2021 17:55:17

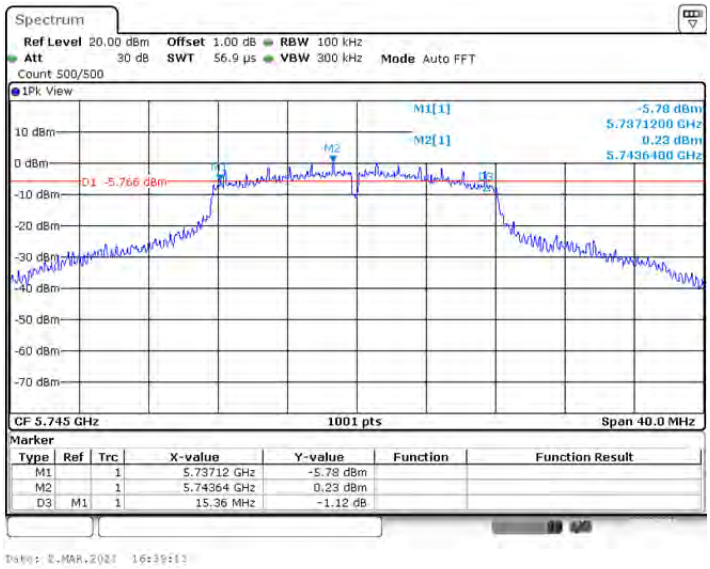
Appendix A3: Min emission bandwidth

Test Result

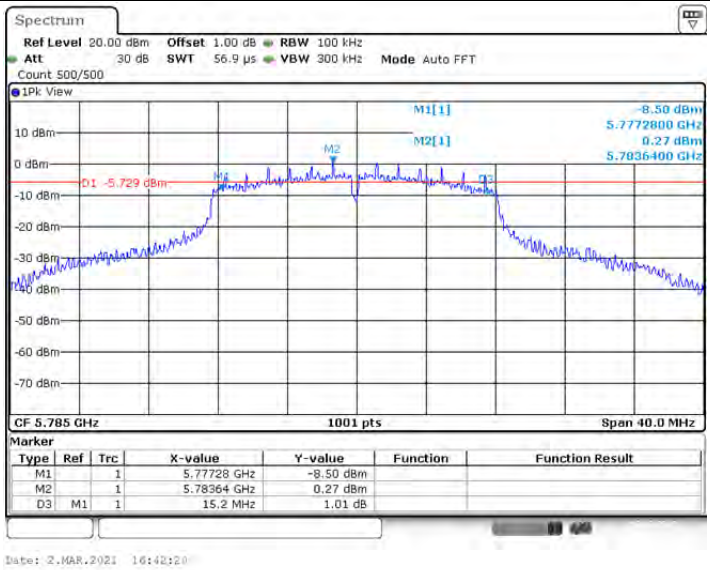
Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
802.11a	Ant1	5745	15.360	5737.120	5752.480	>0.5	PASS
		5785	15.200	5777.280	5792.480	>0.5	PASS
		5825	15.560	5816.960	5832.520	>0.5	PASS
802.11n(HT20)	Ant1	5745	15.200	5737.280	5752.480	>0.5	PASS
		5785	15.200	5777.280	5792.480	>0.5	PASS
		5825	15.200	5817.280	5832.480	>0.5	PASS
802.11n(HT40)	Ant1	5755	35.280	5737.240	5772.520	>0.5	PASS
		5795	35.280	5777.240	5812.520	>0.5	PASS
802.11ac(VHT20)	Ant1	5745	15.160	5737.320	5752.480	>0.5	PASS
		5785	15.200	5777.280	5792.480	>0.5	PASS
		5825	15.200	5817.280	5832.480	>0.5	PASS
802.11ac(VHT40)	Ant1	5755	35.280	5737.240	5772.520	>0.5	PASS
		5795	35.280	5777.240	5812.520	>0.5	PASS
802.11ac(VHT80)	Ant1	5775	75.680	5736.920	5812.600	>0.5	PASS

Test Graphs

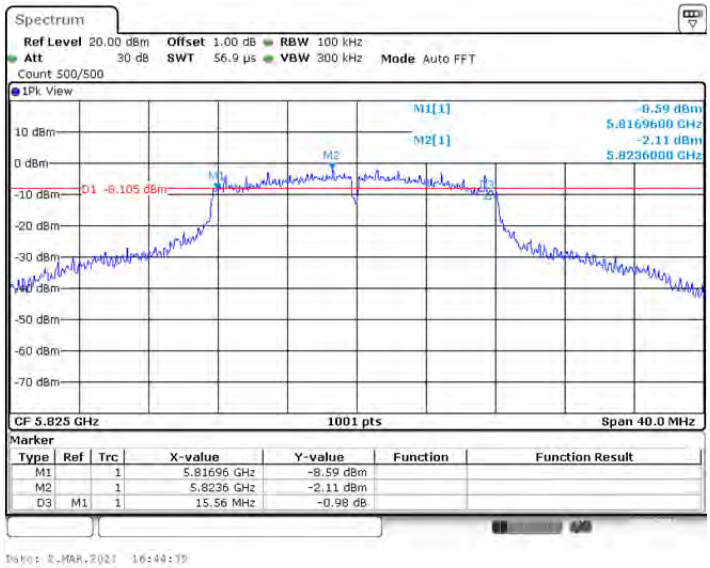
802.11a_Ant1_5745



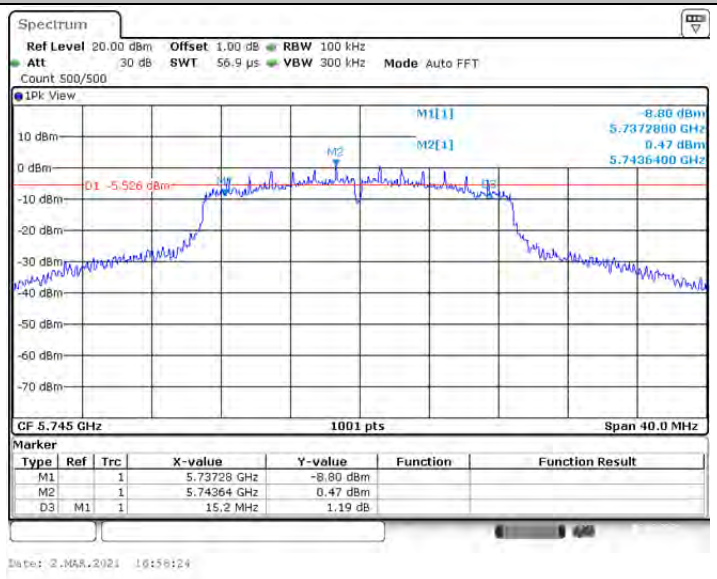
802.11a_Ant1_5785



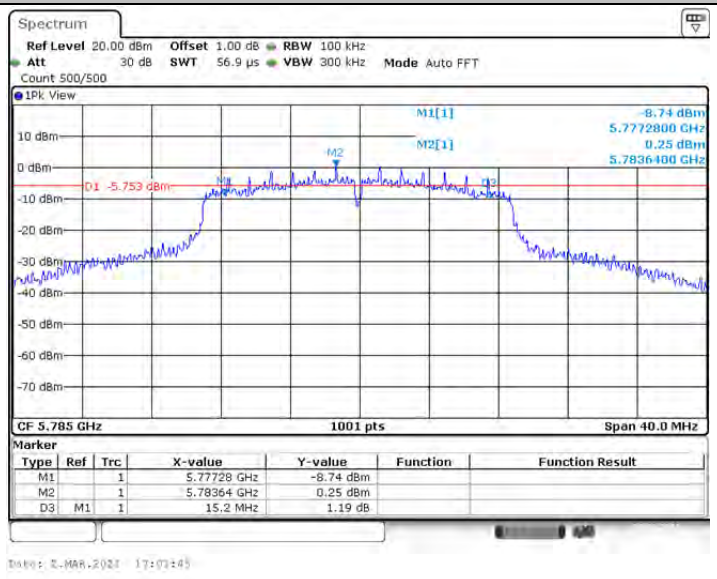
802.11a_Ant1_5825



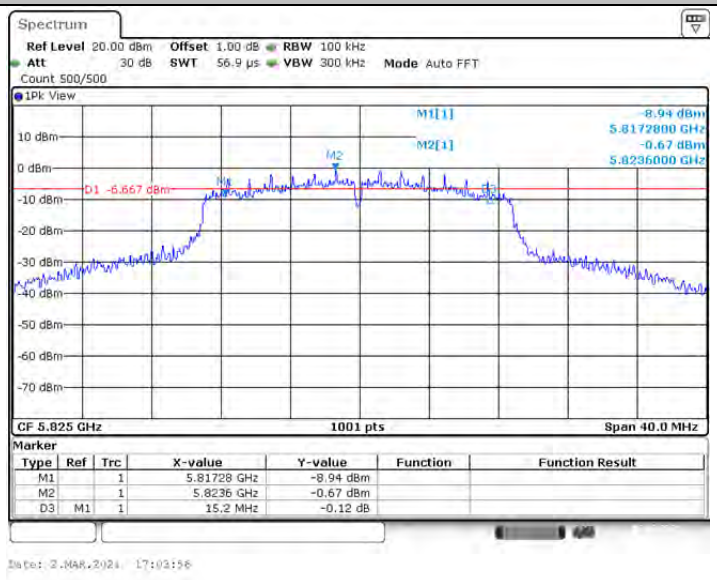
802.11n(HT20)_Ant1_5745



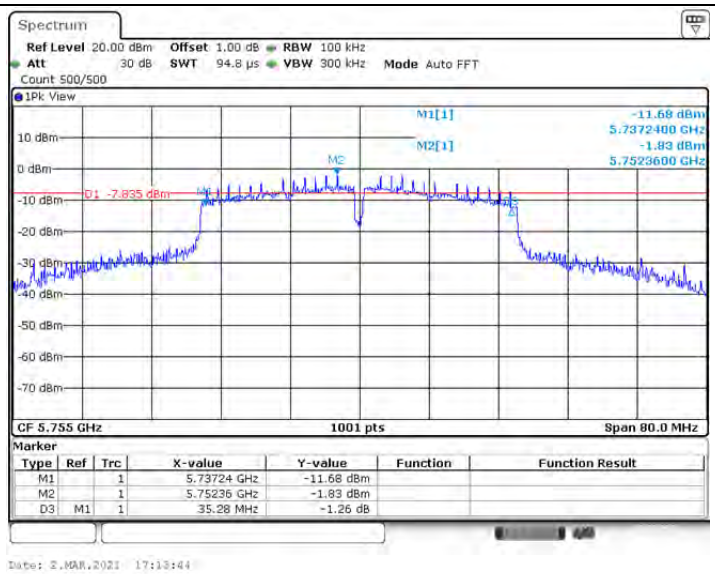
802.11n(HT20)_Ant1_5785



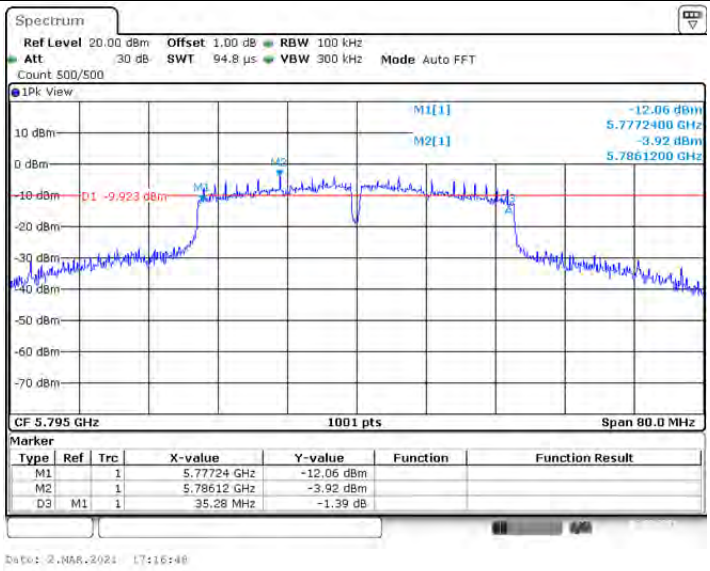
802.11n(HT20)_Ant1_5825



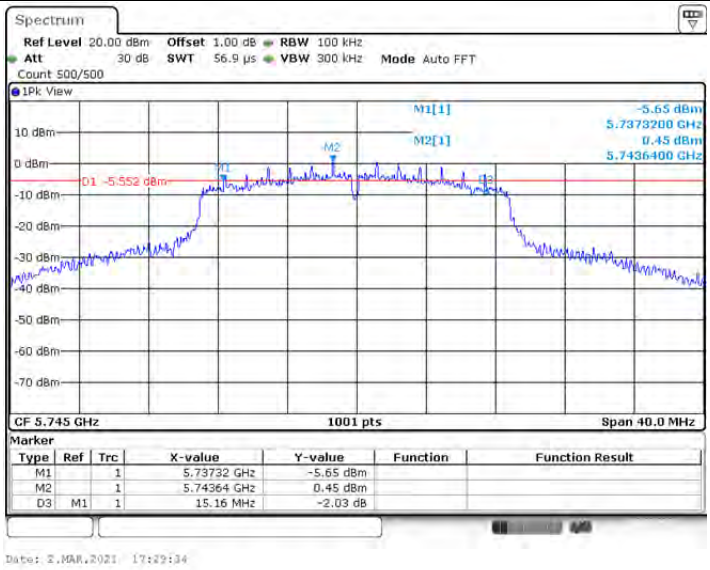
802.11n(HT40)_Ant1_5755



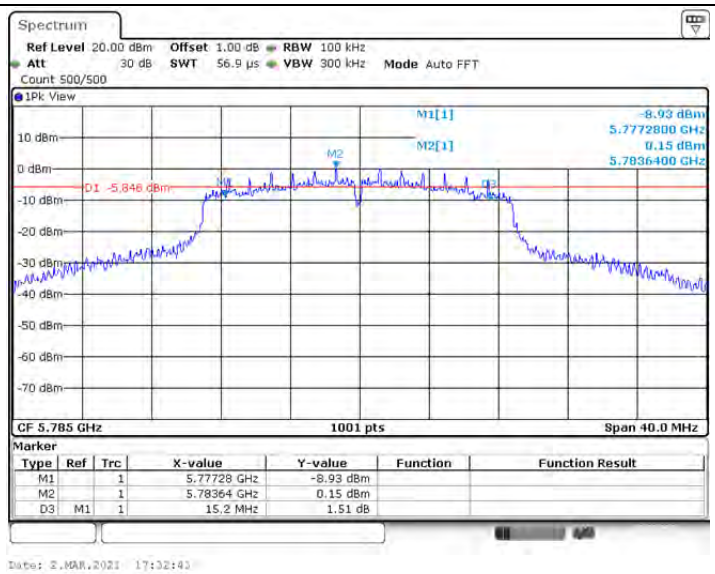
802.11n(HT40)_Ant1_5795



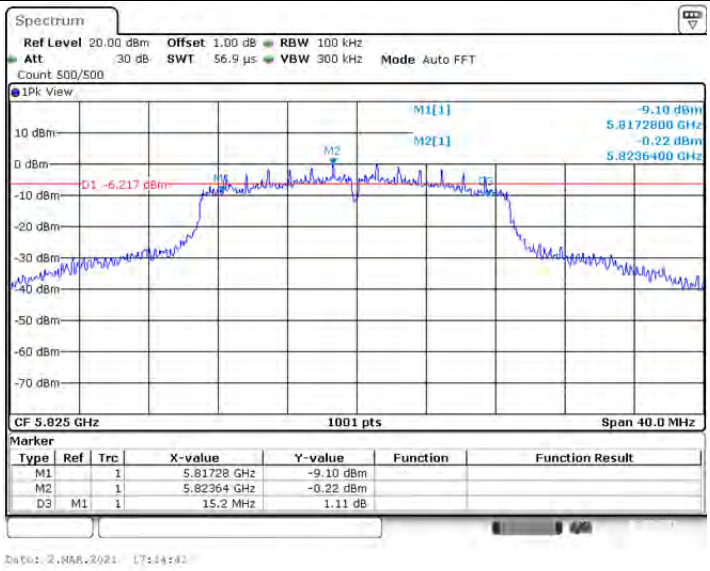
802.11ac(VHT20)_Ant1_5745



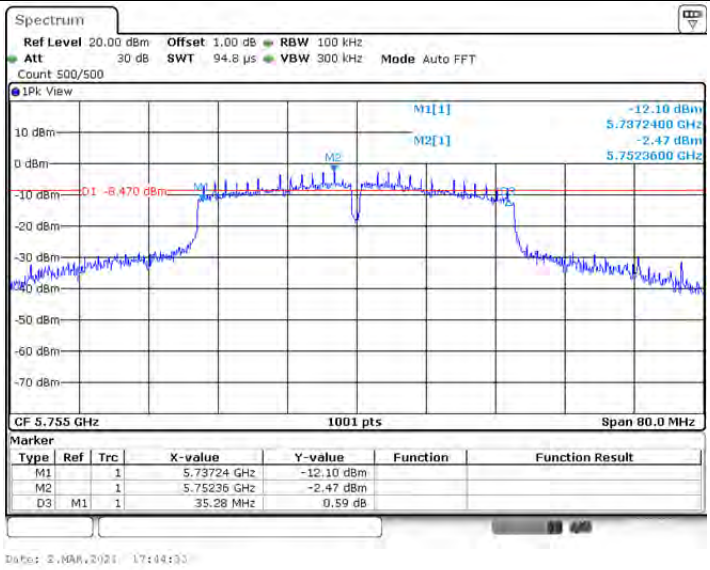
802.11ac(VHT20)_Ant1_5785



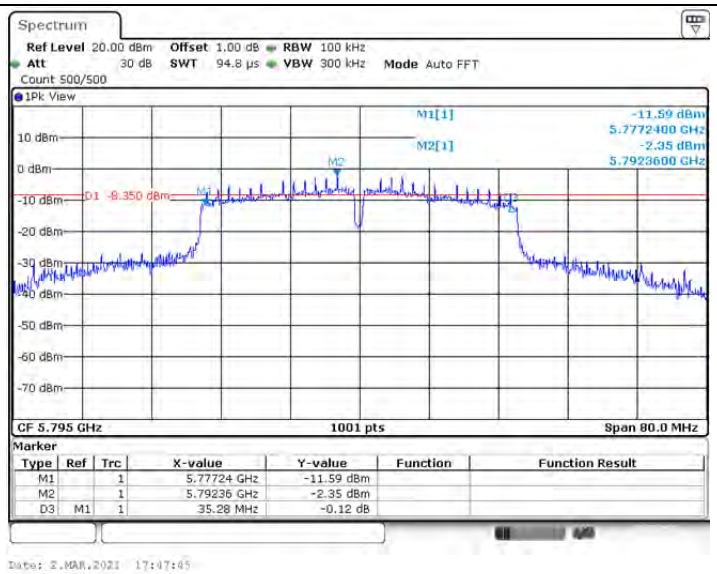
802.11ac(VHT20)_Ant1_5825



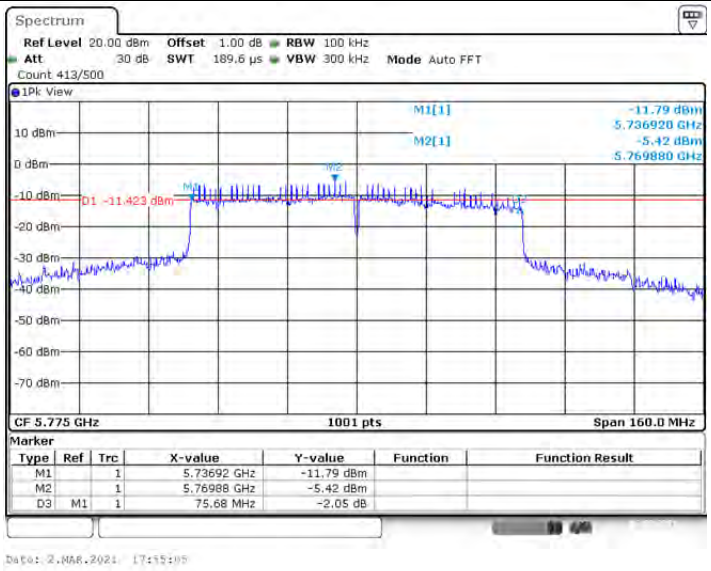
802.11ac(VHT40)_Ant1_5755



802.11ac(VHT40)_Ant1_5795



802.11ac(VHT80)_Ant1_5775



Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
802.11a	Ant1	5180	12.98	<=24	PASS
		5200	11.96	<=24	PASS
		5240	12.20	<=24	PASS
		5745	12.99	<=30	PASS
		5785	12.30	<=30	PASS
		5825	11.77	<=30	PASS
802.11n(HT20)	Ant1	5180	12.77	<=24	PASS
		5200	11.88	<=24	PASS
		5240	12.06	<=24	PASS
		5745	12.37	<=30	PASS
		5785	12.20	<=30	PASS
		5825	11.22	<=30	PASS
802.11n(HT40)	Ant1	5190	12.53	<=24	PASS
		5230	11.63	<=24	PASS
		5755	13.10	<=30	PASS
		5795	12.37	<=30	PASS
802.11ac(VHT20)	Ant1	5180	12.83	<=24	PASS
		5200	11.90	<=24	PASS
		5240	12.07	<=24	PASS
		5745	12.38	<=30	PASS
		5785	12.28	<=30	PASS
		5825	11.77	<=30	PASS
802.11ac(VHT40)	Ant1	5190	12.62	<=24	PASS
		5230	12.23	<=24	PASS
		5755	12.52	<=30	PASS
		5795	12.51	<=30	PASS
802.11ac(VHT80)	Ant1	5210	12.83	<=24	PASS
		5775	12.77	<=30	PASS

Note： Test results increased RF cable loss by 1dB.

The Duty Cycle Factor is compensated in the graph.

Appendix C: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
802.11a	Ant1	5180	8.64	<=11	PASS
		5200	7.52	<=11	PASS
		5240	8.13	<=11	PASS
		5745	5.11	<=30	PASS
		5785	3.69	<=30	PASS
		5825	3.29	<=30	PASS
802.11n(HT20)	Ant1	5180	7.66	<=11	PASS
		5200	7.08	<=11	PASS
		5240	7.29	<=11	PASS
		5745	4.21	<=30	PASS
		5785	3.55	<=30	PASS
		5825	3.30	<=30	PASS
802.11n(HT40)	Ant1	5190	5.29	<=11	PASS
		5230	3.29	<=11	PASS
		5755	1.68	<=30	PASS
		5795	1.17	<=30	PASS
802.11ac(VHT20)	Ant1	5180	7.8	<=11	PASS
		5200	6.7	<=11	PASS
		5240	7.63	<=11	PASS
		5745	4.43	<=30	PASS
		5785	3.95	<=30	PASS
		5825	3.81	<=30	PASS
802.11ac(VHT40)	Ant1	5190	5.06	<=11	PASS
		5230	4.08	<=11	PASS
		5755	1.00	<=30	PASS
		5795	0.89	<=30	PASS
802.11ac(VHT80)	Ant1	5210	0.86	<=11	PASS
		5775	-2.68	<=30	PASS

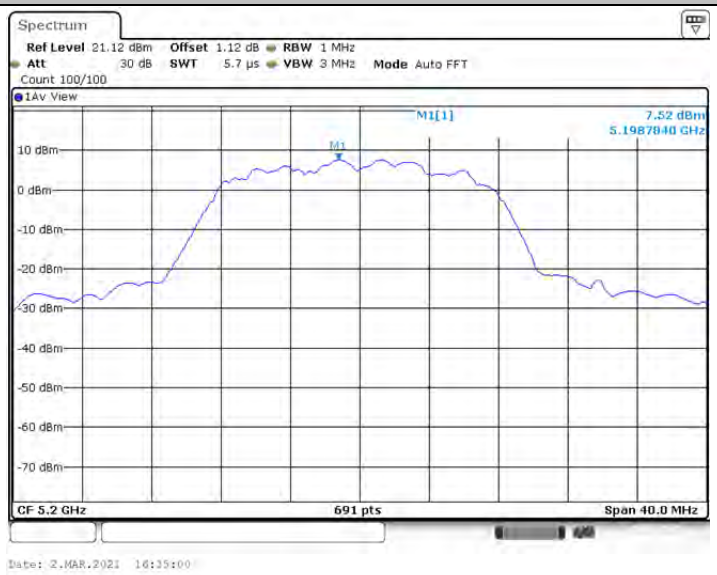
Note：1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

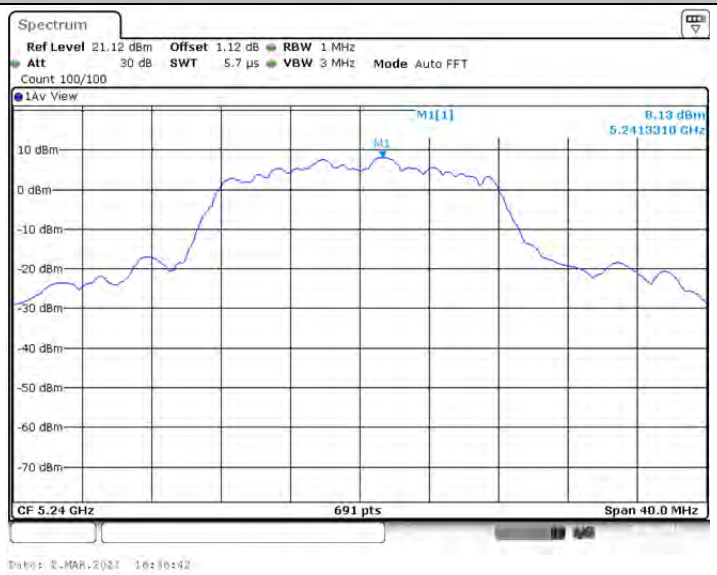
Test Graphs

802.11a_Ant1_5180

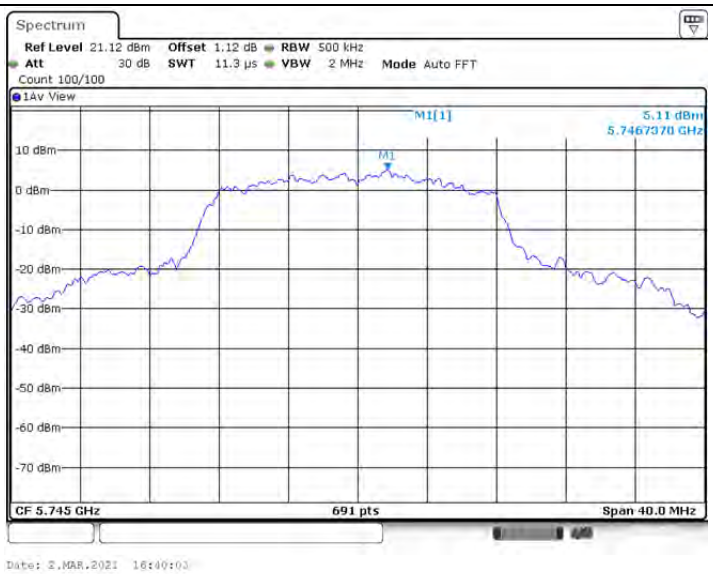
802.11a_Ant1_5200



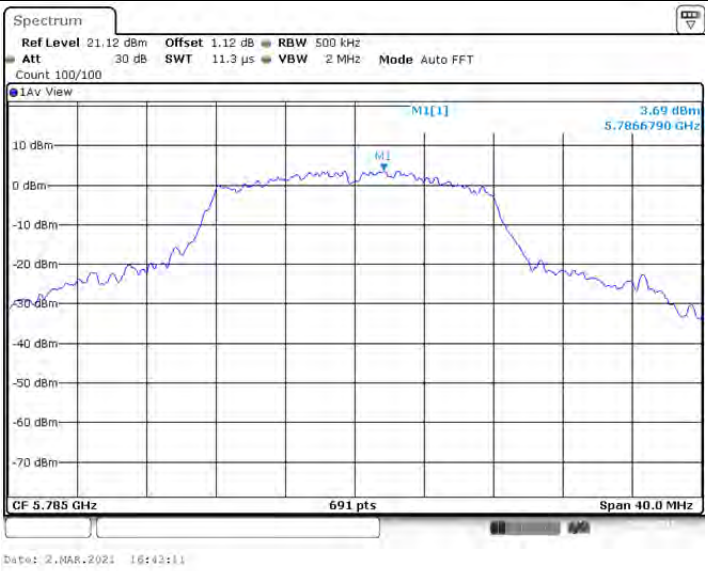
802.11a_Ant1_5240



802.11a_Ant1_5745



802.11a_Ant1_5785



802.11a_Ant1_5825

802.11n(HT20)_Ant1_5180

802.11n(HT20)_Ant1_5200

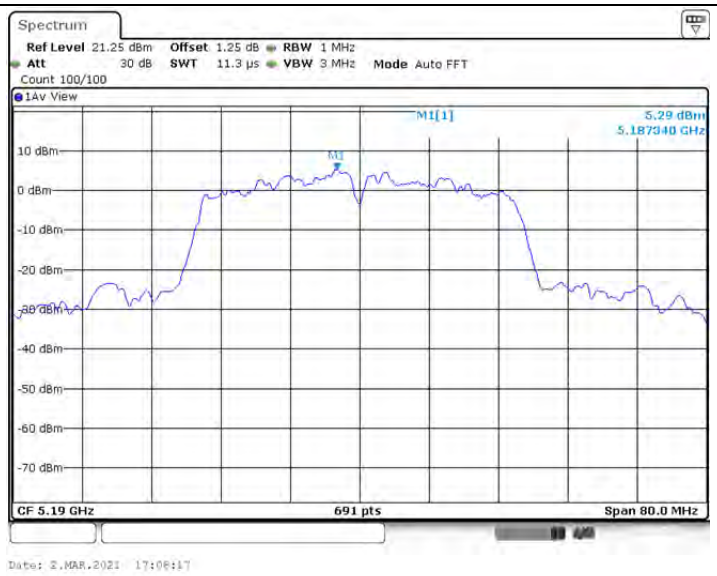
802.11n(HT20)_Ant1_5240

802.11n(HT20)_Ant1_5745

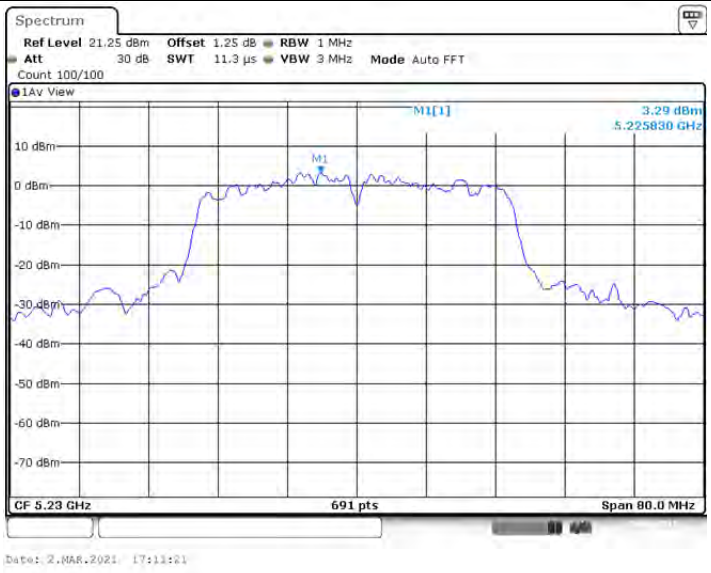
802.11n(HT20)_Ant1_5785

802.11n(HT20)_Ant1_5825

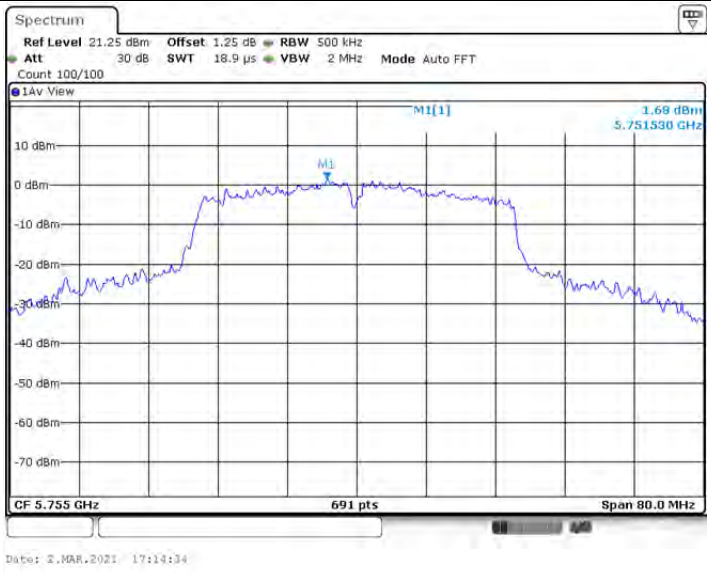
802.11n(HT40)_Ant1_5190



802.11n(HT40)_Ant1_5230



802.11n(HT40)_Ant1_5755



802.11n(HT40)_Ant1_5795

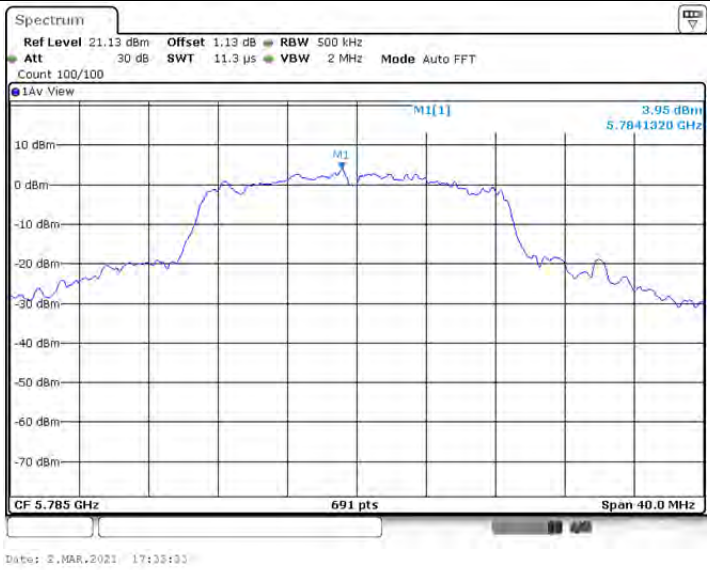
802.11ac(VHT20)_Ant1_5180

802.11ac(VHT20)_Ant1_5200

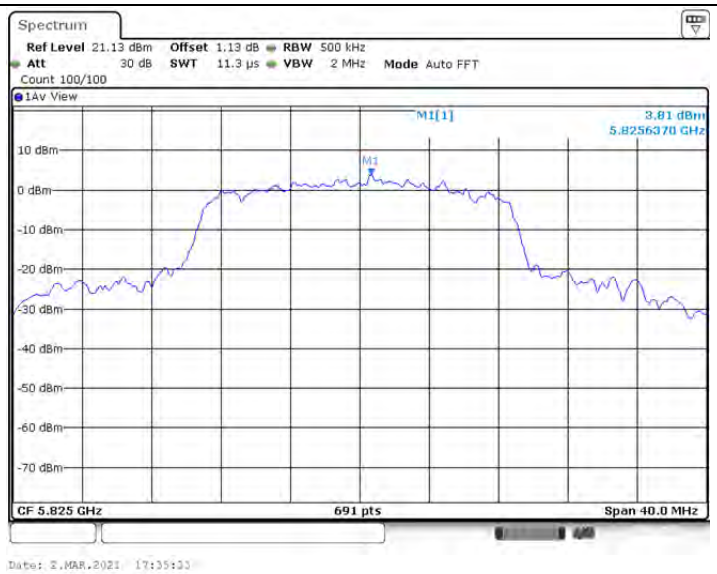
802.11ac(VHT20)_Ant1_5240

802.11ac(VHT20)_Ant1_5745

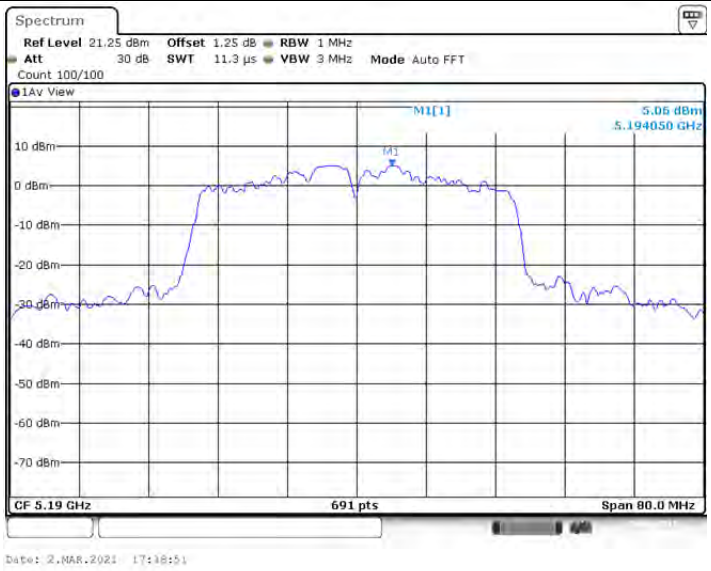
802.11ac(VHT20)_Ant1_5785



802.11ac(VHT20)_Ant1_5825



802.11ac(VHT40)_Ant1_5190

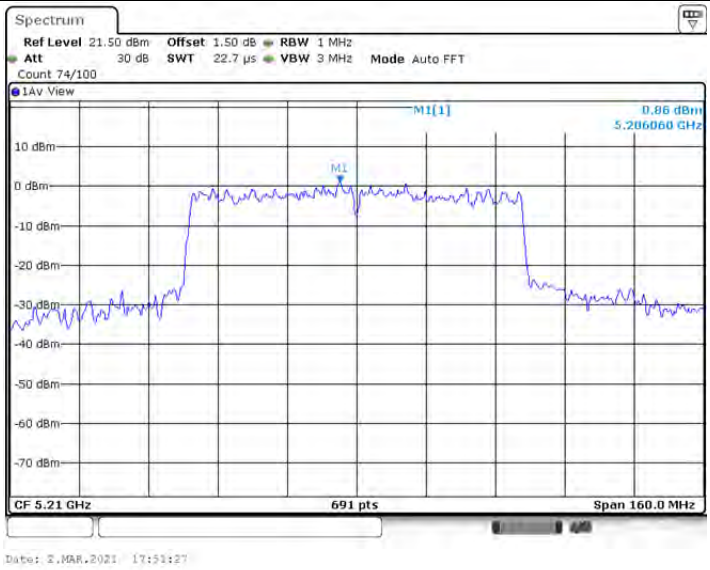


802.11ac(VHT40)_Ant1_5230

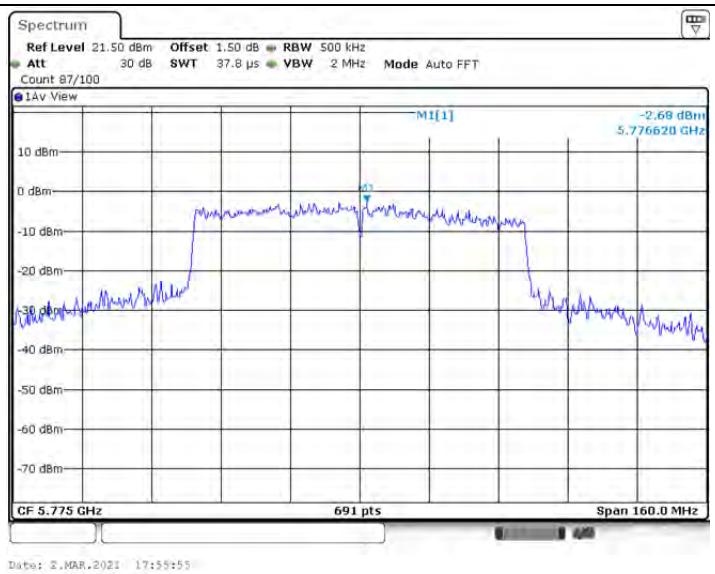
802.11ac(VHT40)_Ant1_5755

802.11ac(VHT40)_Ant1_5795

802.11ac(VHT80)_Ant1_5210



802.11ac(VHT80)_Ant1_5775


Spectrum
Ref Level 21.50 dBm Offset 1.50 dB RBW 500 kHz
Att 30 dB SWT 37.8 µs VBW 2 MHz Mode Auto FFT
Count 87/100
1Av View
M1[1]
-2.68 dBm
5.776620 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 5.775 GHz
691 pts
Span 160.0 MHz
Date: 2.MAR.2021 17:55:55

Appendix D: Frequency Stability

Test Result

Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20MHz	Ant1	5180	NV	NT	1000	0.193050	±20	PASS
			LV	NT	1000	0.193050	±20	PASS
			HV	NT	1000	0.193050	±20	PASS
		5200	NV	NT	1000	0.192308	±20	PASS
			LV	NT	1000	0.192308	±20	PASS
			HV	NT	1000	0.192308	±20	PASS
		5240	NV	NT	1000	0.190840	±20	PASS
			LV	NT	1000	0.190840	±20	PASS
			HV	NT	1000	0.190840	±20	PASS
		5745	NV	NT	1000	0.174064	±20	PASS
			LV	NT	1000	0.174064	±20	PASS
			HV	NT	1000	0.174064	±20	PASS
		5785	NV	NT	1000	0.172861	±20	PASS
			LV	NT	1000	0.172861	±20	PASS
			HV	NT	1000	0.172861	±20	PASS
		5825	NV	NT	1000	0.171674	±20	PASS
			LV	NT	1000	0.171674	±20	PASS
			HV	NT	1000	0.171674	±20	PASS
40MHz	Ant1	5190	NV	NT	1000	0.192678	±20	PASS
			LV	NT	1000	0.192678	±20	PASS
			HV	NT	1000	0.192678	±20	PASS
		5230	NV	NT	1000	0.191205	±20	PASS
			LV	NT	1000	0.191205	±20	PASS
			HV	NT	1000	0.191205	±20	PASS
		5755	NV	NT	1000	0.173762	±20	PASS
			LV	NT	1000	0.173762	±20	PASS
			HV	NT	1000	0.173762	±20	PASS
		5795	NV	NT	1000	0.172563	±20	PASS
			LV	NT	1000	0.172563	±20	PASS
			HV	NT	1000	0.172563	±20	PASS
80MHz	Ant1	5210	NV	NT	1000	0.191939	±20	PASS
			LV	NT	1000	0.191939	±20	PASS
			HV	NT	1000	0.191939	±20	PASS
		5775	NV	NT	1000	0.173160	±20	PASS
			LV	NT	1000	0.173160	±20	PASS
			HV	NT	1000	0.173160	±20	PASS

Temperature								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20MHz	Ant1	5180	NV	-10	1000	0.193050	±20	PASS
			NV	0	1000	0.193050	±20	PASS
			NV	10	1000	0.193050	±20	PASS
			NV	20	1000	0.193050	±20	PASS
			NV	30	1000	0.193050	±20	PASS
			NV	40	1000	0.193050	±20	PASS
			NV	50	1000	0.193050	±20	PASS
		5200	NV	-10	1000	0.192308	±20	PASS
			NV	0	1000	0.192308	±20	PASS
			NV	10	1000	0.192308	±20	PASS
			NV	20	1000	0.192308	±20	PASS
			NV	30	1000	0.192308	±20	PASS
			NV	40	1000	0.192308	±20	PASS
			NV	50	1000	0.192308	±20	PASS
		5240	NV	-10	1000	0.190840	±20	PASS
			NV	0	1000	0.190840	±20	PASS
			NV	10	1000	0.190840	±20	PASS
			NV	20	1000	0.190840	±20	PASS
			NV	30	1000	0.190840	±20	PASS
			NV	40	1000	0.190840	±20	PASS
			NV	50	1000	0.190840	±20	PASS
		5745	NV	-10	1000	0.174064	±20	PASS
			NV	0	1000	0.174064	±20	PASS
			NV	10	1000	0.174064	±20	PASS
			NV	20	1000	0.174064	±20	PASS
			NV	30	1000	0.174064	±20	PASS
			NV	40	1000	0.174064	±20	PASS
			NV	50	1000	0.174064	±20	PASS
		5785	NV	-10	1000	0.172861	±20	PASS
			NV	0	2000	0.345722	±20	PASS
			NV	10	1000	0.172861	±20	PASS
			NV	20	1000	0.172861	±20	PASS
			NV	30	1000	0.172861	±20	PASS
			NV	40	1000	0.172861	±20	PASS
			NV	50	1000	0.172861	±20	PASS
		5825	NV	-10	1000	0.171674	±20	PASS
			NV	0	1000	0.171674	±20	PASS
			NV	10	1000	0.171674	±20	PASS
			NV	20	1000	0.171674	±20	PASS
			NV	30	1000	0.171674	±20	PASS
			NV	40	1000	0.171674	±20	PASS
			NV	50	1000	0.171674	±20	PASS

40MHz	Ant1	5190	NV	-10	1000	0.192678	±20	PASS
			NV	0	1000	0.192678	±20	PASS
			NV	10	1000	0.192678	±20	PASS
			NV	20	1000	0.192678	±20	PASS
			NV	30	1000	0.192678	±20	PASS
			NV	40	1000	0.192678	±20	PASS
			NV	50	1000	0.192678	±20	PASS
		5230	NV	-10	1000	0.191205	±20	PASS
			NV	0	1000	0.191205	±20	PASS
			NV	10	1000	0.191205	±20	PASS
			NV	20	1000	0.191205	±20	PASS
			NV	30	1000	0.191205	±20	PASS
			NV	40	1000	0.191205	±20	PASS
			NV	50	1000	0.191205	±20	PASS
		5755	NV	-10	1000	0.173762	±20	PASS
			NV	0	1000	0.173762	±20	PASS
			NV	10	1000	0.173762	±20	PASS
			NV	20	1000	0.173762	±20	PASS
			NV	30	1000	0.173762	±20	PASS
			NV	40	1000	0.173762	±20	PASS
			NV	50	1000	0.173762	±20	PASS
		5795	NV	-10	1000	0.172563	±20	PASS
			NV	0	1000	0.172563	±20	PASS
			NV	10	1000	0.172563	±20	PASS
			NV	20	1000	0.172563	±20	PASS
			NV	30	1000	0.172563	±20	PASS
			NV	40	1000	0.172563	±20	PASS
			NV	50	1000	0.172563	±20	PASS
80MHz	Ant1	5210	NV	-10	1000	0.191939	±20	PASS
			NV	0	1000	0.191939	±20	PASS
			NV	10	1000	0.191939	±20	PASS
			NV	20	1000	0.191939	±20	PASS
			NV	30	1000	0.191939	±20	PASS
			NV	40	1000	0.191939	±20	PASS
			NV	50	1000	0.191939	±20	PASS
		5775	NV	-10	1000	0.173160	±20	PASS
			NV	0	1000	0.173160	±20	PASS
			NV	10	2000	0.346320	±20	PASS
			NV	20	1000	0.173160	±20	PASS
			NV	30	1000	0.173160	±20	PASS
			NV	40	2000	0.346320	±20	PASS
			NV	50	1000	0.173160	±20	PASS

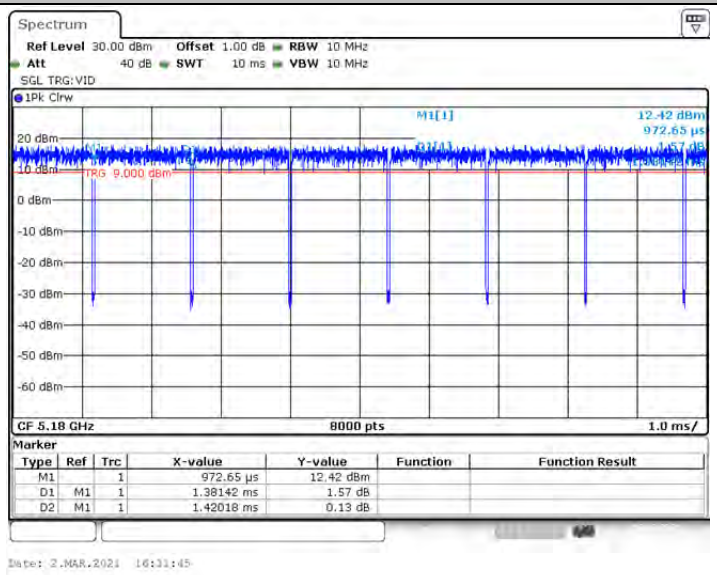
Appendix E: Duty Cycle

Test Result

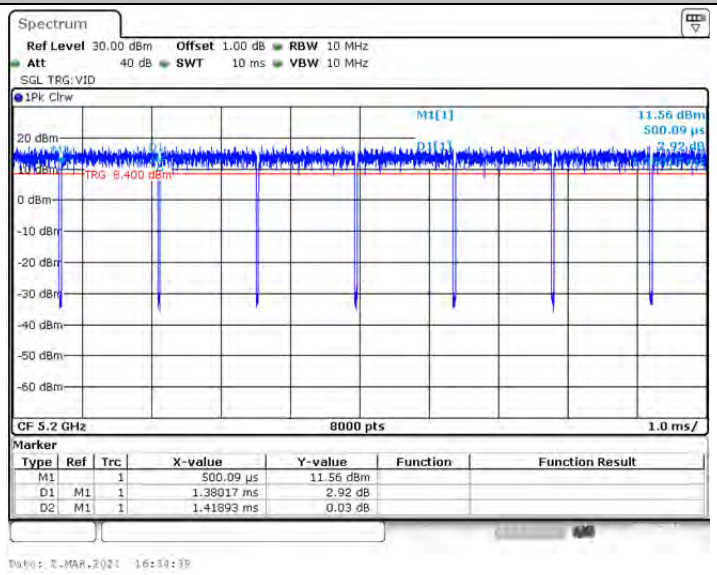
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
802.11a	Ant1	5180	1.38	1.42	97.27	0.72	1
		5200	1.38	1.42	97.27	0.72	1
		5240	1.38	1.42	97.27	0.72	1
		5745	1.38	1.42	97.36	0.72	1
		5785	1.38	1.42	97.27	0.72	1
		5825	1.38	1.42	97.27	0.72	1
802.11n(HT20)	Ant1	5180	1.29	1.33	97.08	0.78	1
		5200	1.29	1.33	97.18	0.78	1
		5240	1.29	1.33	97.08	0.78	1
		5745	1.29	1.33	97.08	0.78	1
		5785	1.29	1.33	97.08	0.78	1
		5825	1.29	1.33	97.18	0.78	1
802.11n(HT40)	Ant1	5190	0.64	0.68	94.48	1.56	3
		5230	0.64	0.68	94.48	1.56	3
		5755	0.64	0.68	94.48	1.56	3
		5795	0.64	0.68	94.30	1.56	3
802.11ac(VHT20)	Ant1	5180	1.30	1.34	97.11	0.77	1
		5200	1.30	1.34	97.20	0.77	1
		5240	1.30	1.34	97.11	0.77	1
		5745	1.30	1.34	97.11	0.77	1
		5785	1.30	1.34	97.11	0.77	1
		5825	1.30	1.34	97.11	0.77	1
802.11ac(VHT40)	Ant1	5190	0.65	0.68	94.51	1.54	3
		5230	0.65	0.68	94.52	1.54	3
		5755	0.65	0.68	94.52	1.54	3
		5795	0.65	0.68	94.52	1.54	3
802.11ac(VHT80)	Ant1	5210	0.32	0.36	89.16	3.13	10
		5775	0.32	0.36	89.16	3.13	10

Test Graphs

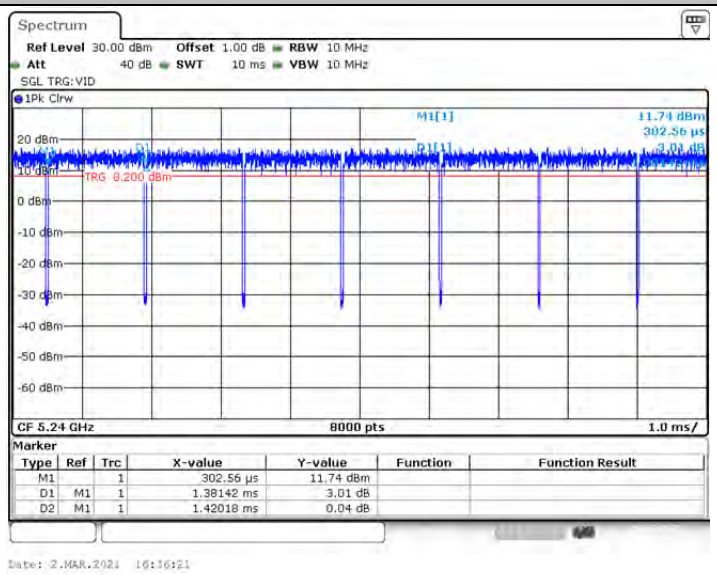
802.11a_Ant1_5180



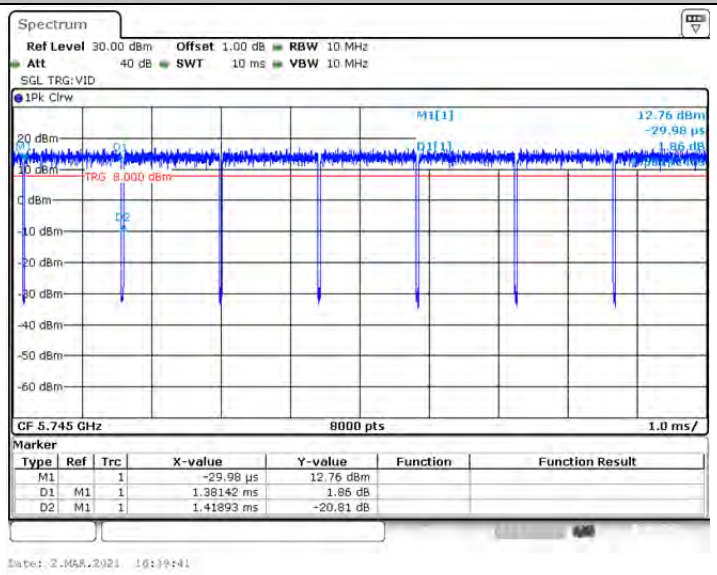
802.11a_Ant1_5200



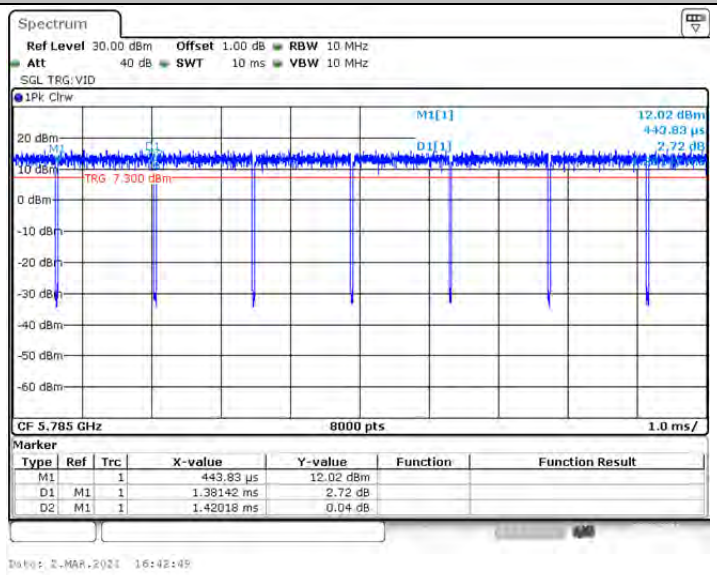
802.11a_Ant1_5240



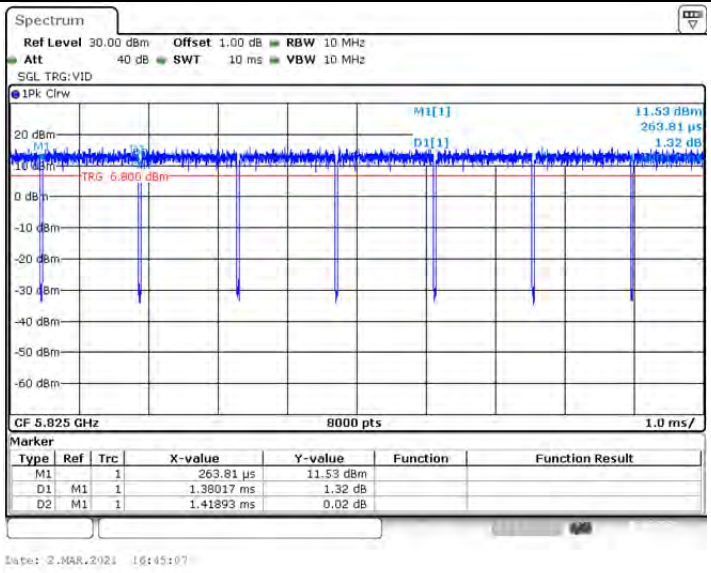
802.11a_Ant1_5745



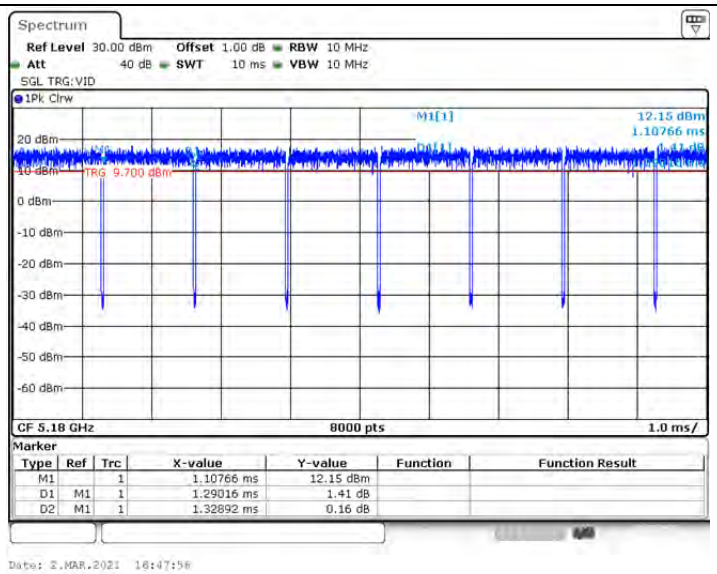
802.11a_Ant1_5785



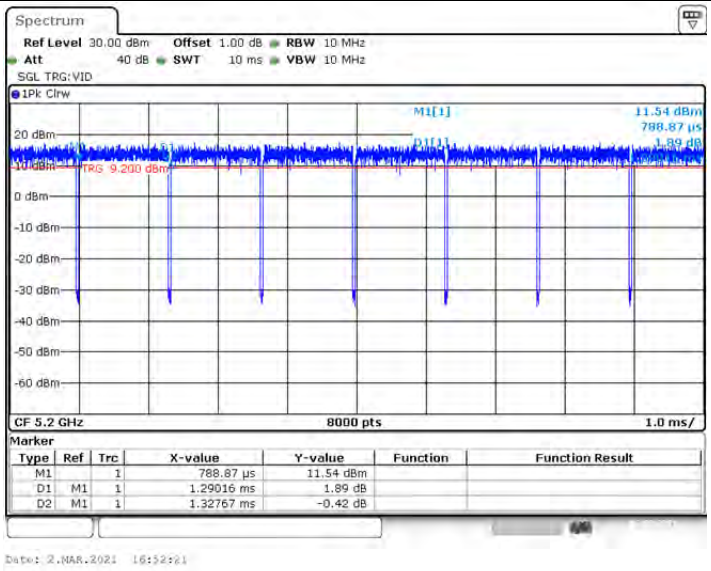
802.11a_Ant1_5825



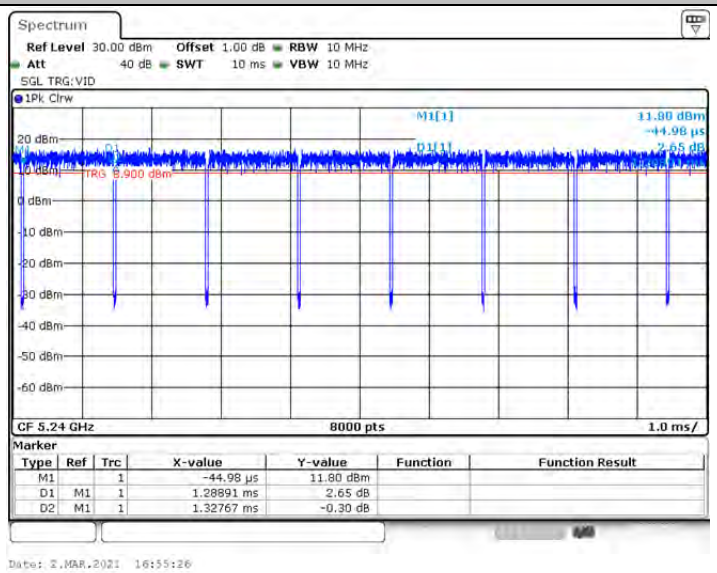
802.11n(HT20)_Ant1_5180



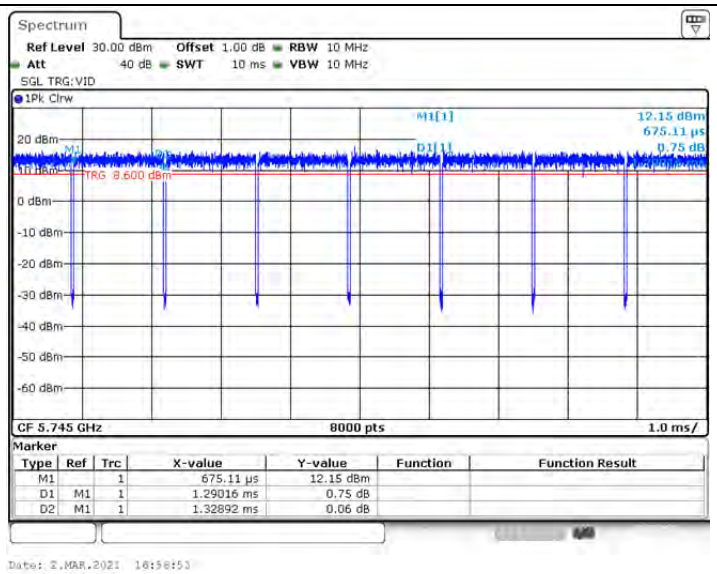
802.11n(HT20)_Ant1_5200



802.11n(HT20)_Ant1_5240



802.11n(HT20)_Ant1_5745



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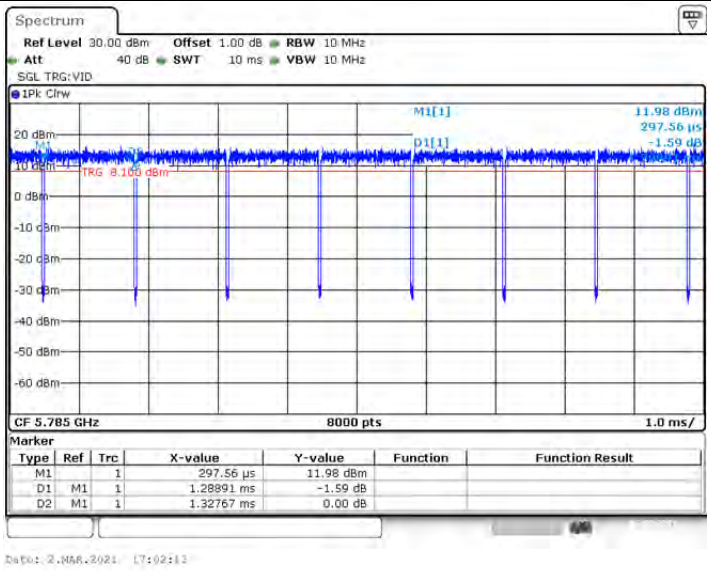
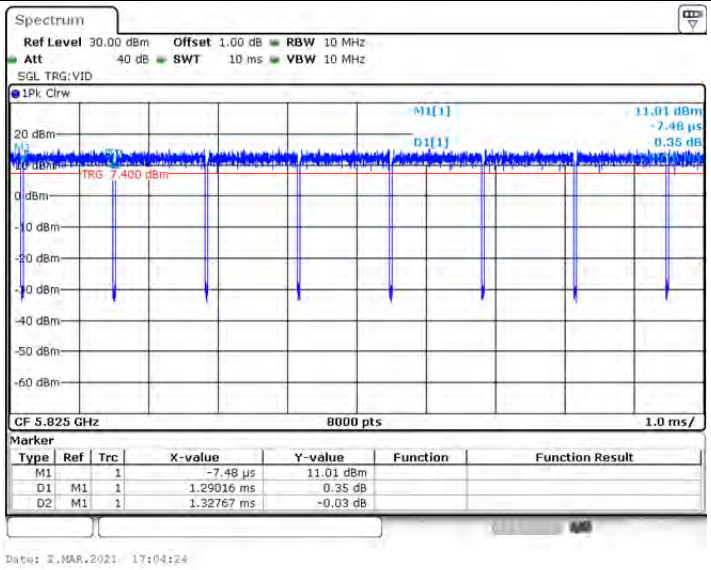
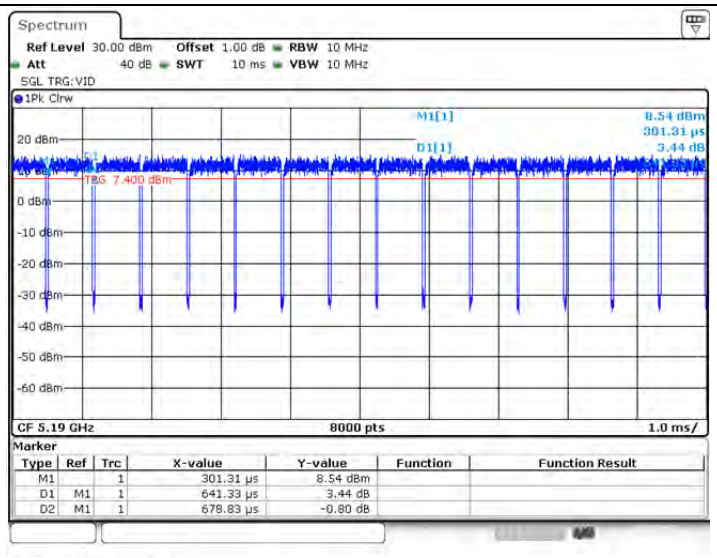


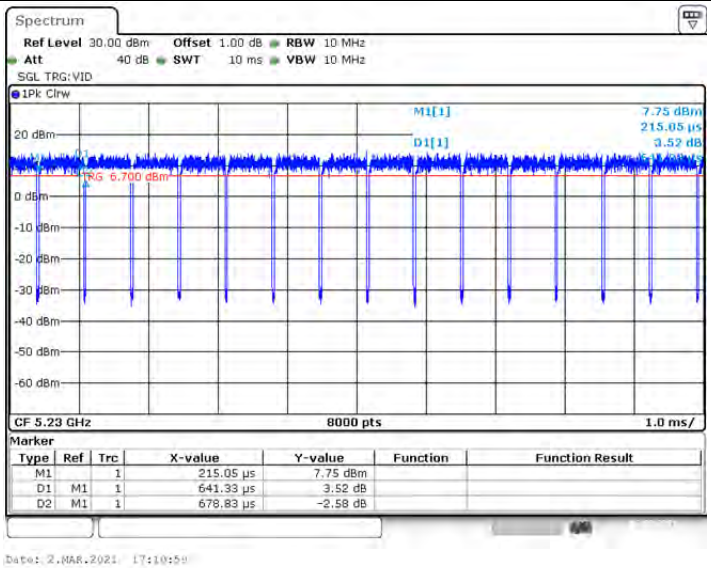
802.11n(HT20)_Ant1_5825



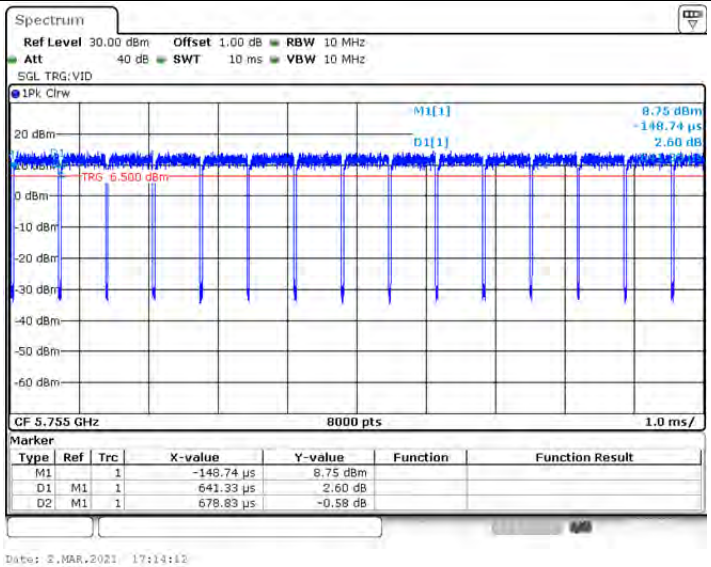
802.11n(HT40)_Ant1_5190



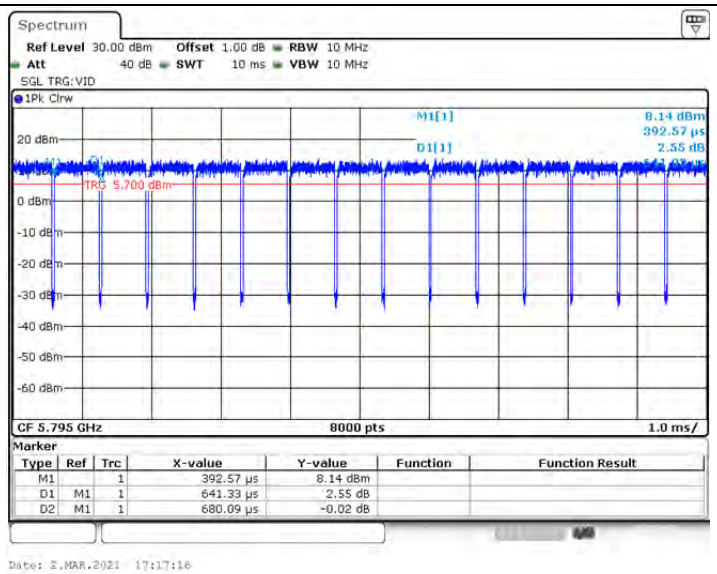
802.11n(HT40)_Ant1_5230



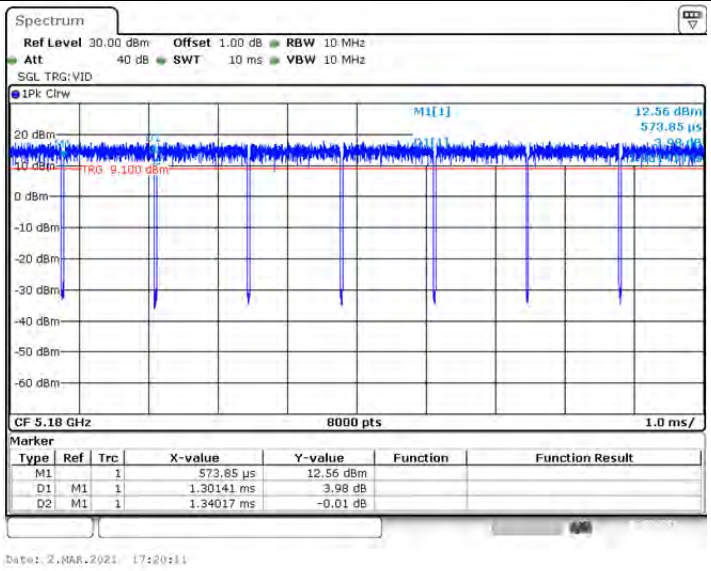
802.11n(HT40)_Ant1_5755



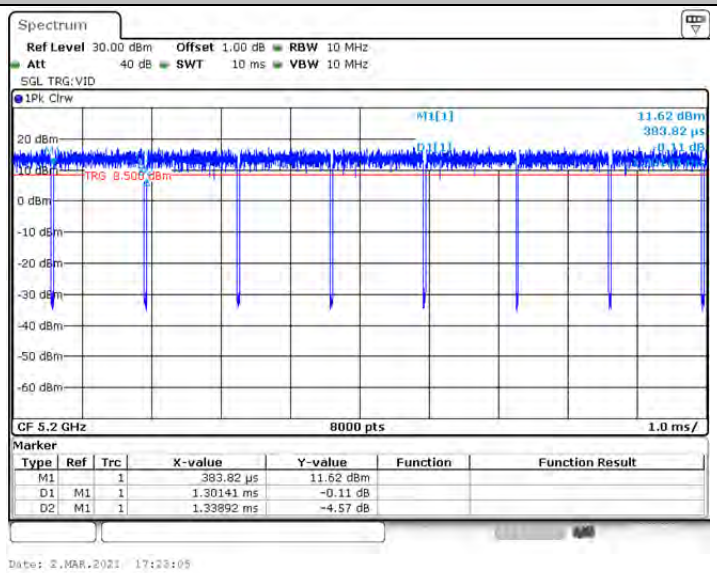
802.11n(HT40)_Ant1_5795



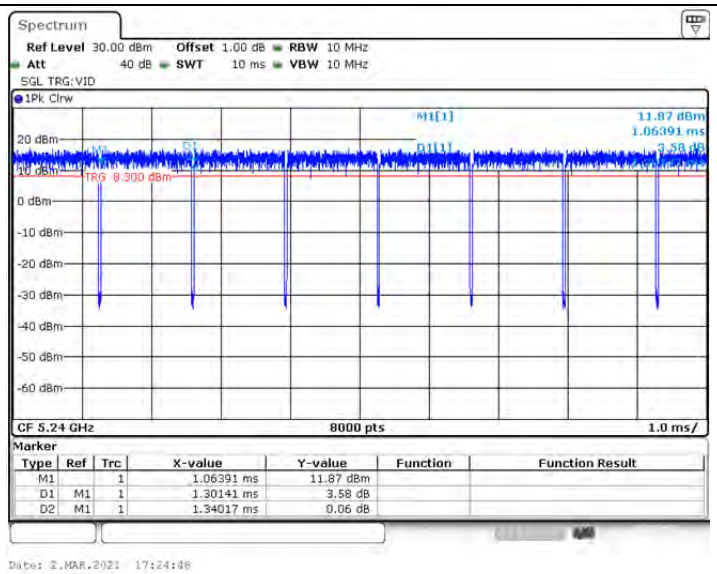
802.11ac(VHT20)_Ant1_5180



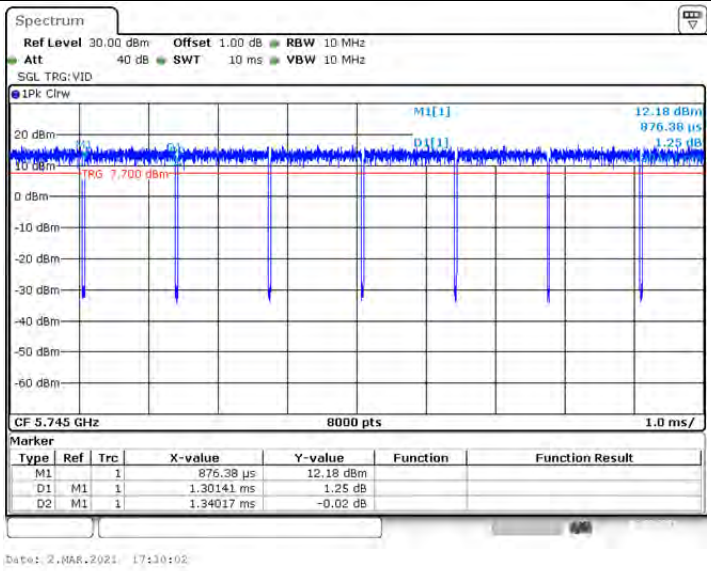
802.11ac(VHT20)_Ant1_5200



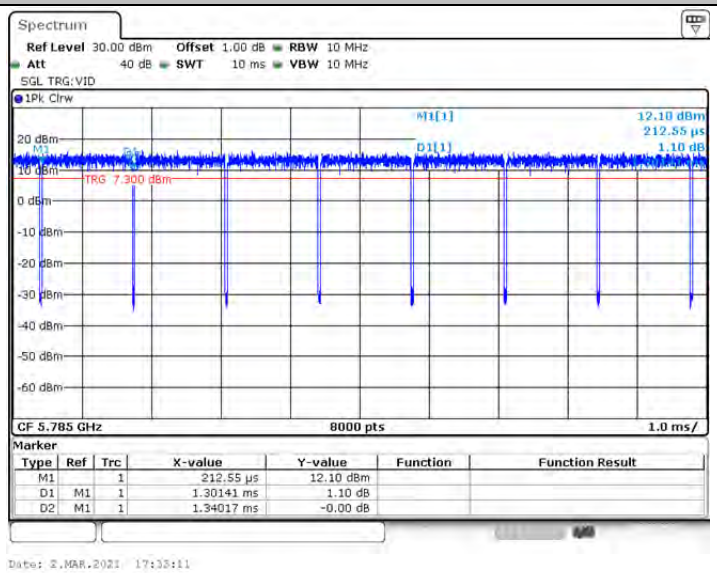
802.11ac(VHT20)_Ant1_5240



802.11ac(VHT20)_Ant1_5745



802.11ac(VHT20)_Ant1_5785



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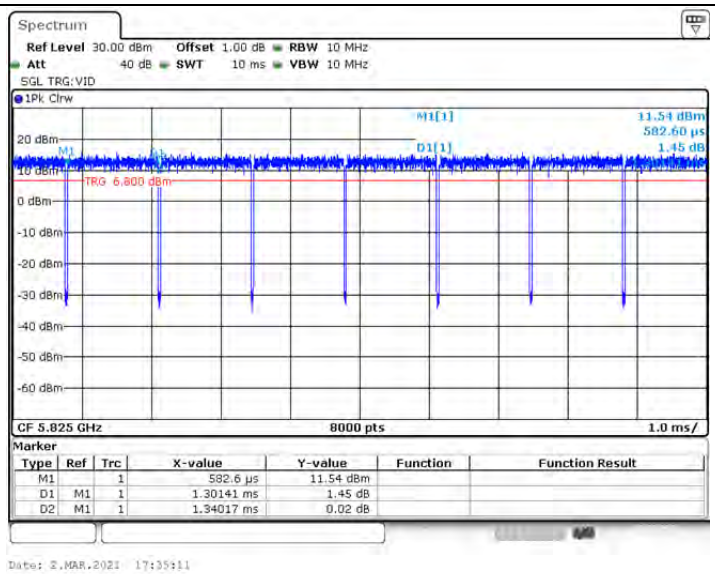
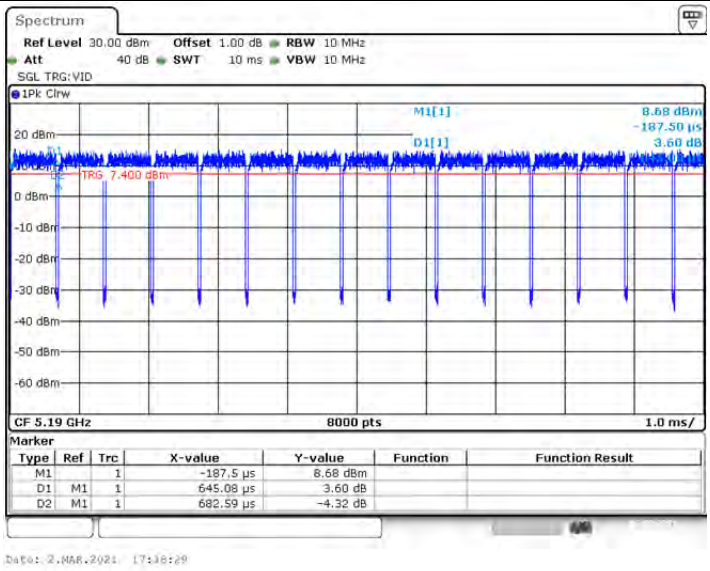
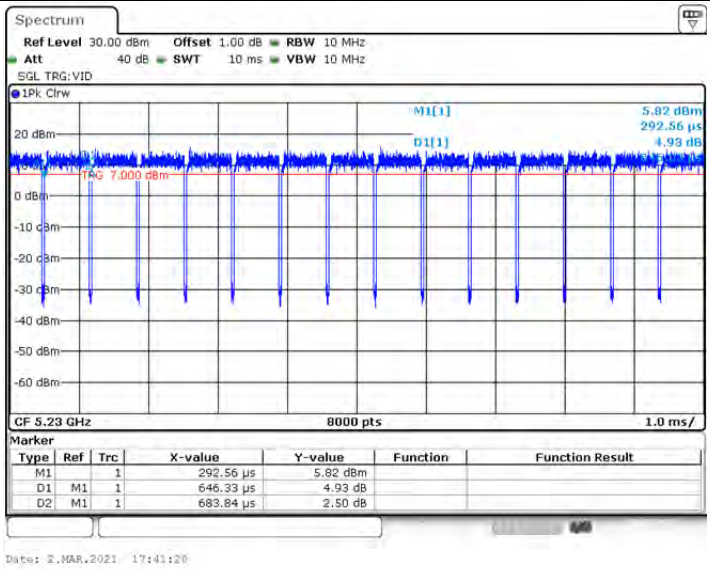


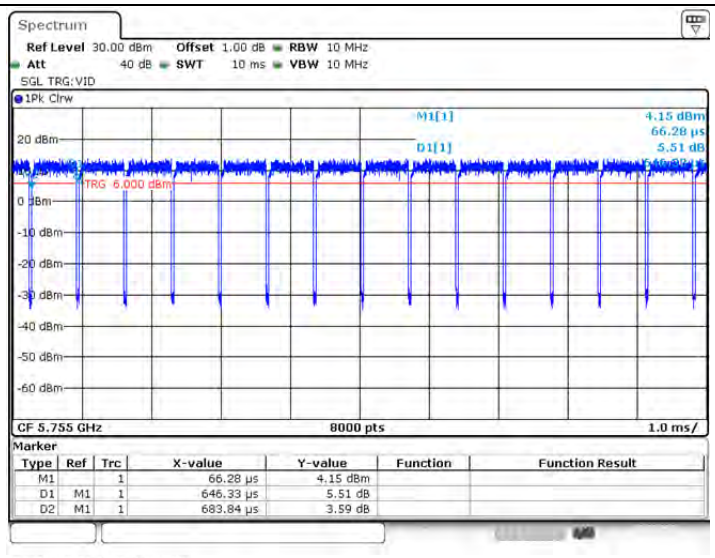
802.11ac(VHT40)_Ant1_5190



802.11ac(VHT40)_Ant1_5230



802.11ac(VHT40)_Ant1_5755



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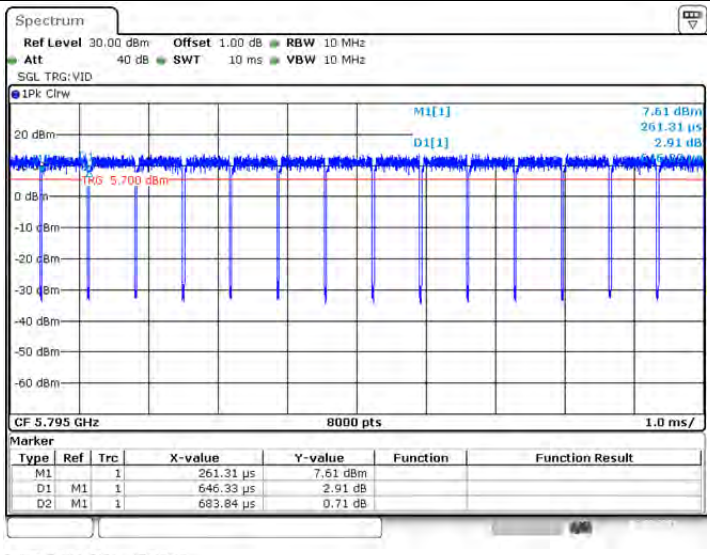
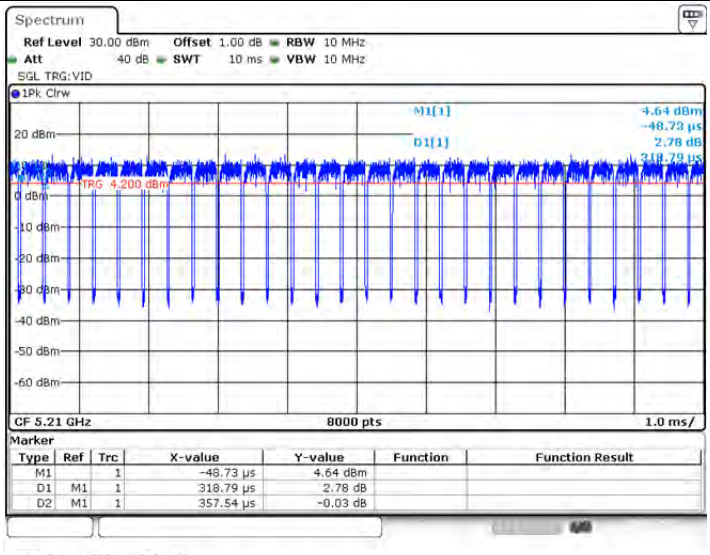
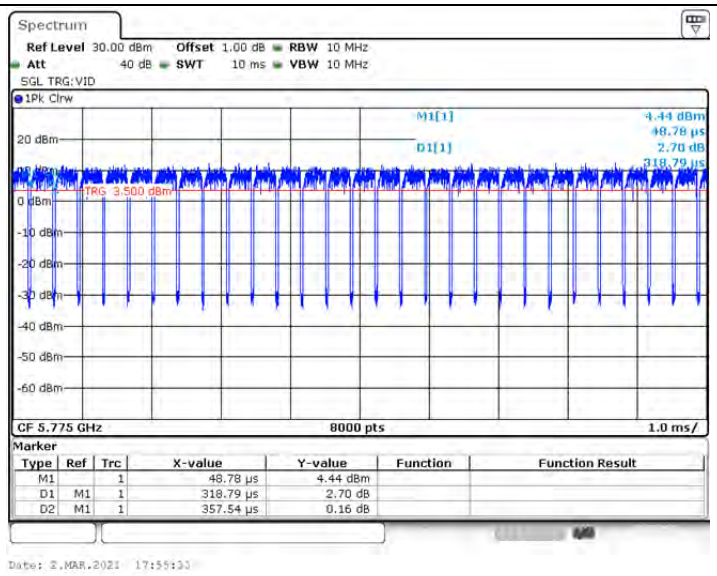


802.11ac(VHT80)_Ant1_5210



802.11ac(VHT80)_Ant1_5775


Spectrum
Ref Level 30.00 dBm Offset 1.00 dB RBW 10 MHz
Att 40 dB SWT 10 ms VBW 10 MHz
SGL TRG: VID
1Pk Clrw
M1[1] 4.44 dBm
48.78 µs
D1[1] 2.70 dB
318.79 µs
TRG 3.500 dBm
20 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 5.775 GHz
8000 pts
1.0 ms/
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 48.78 µs 4.44 dBm
D1 M1 1 318.79 µs 2.70 dB
D2 M1 1 357.54 µs 0.16 dB

----------End----------