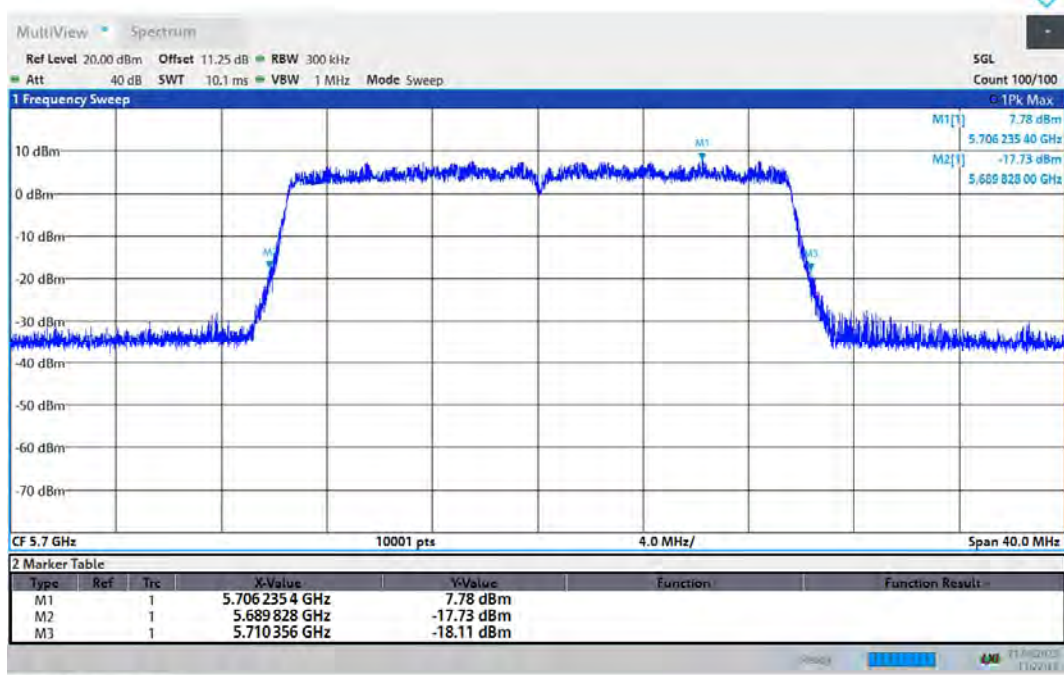
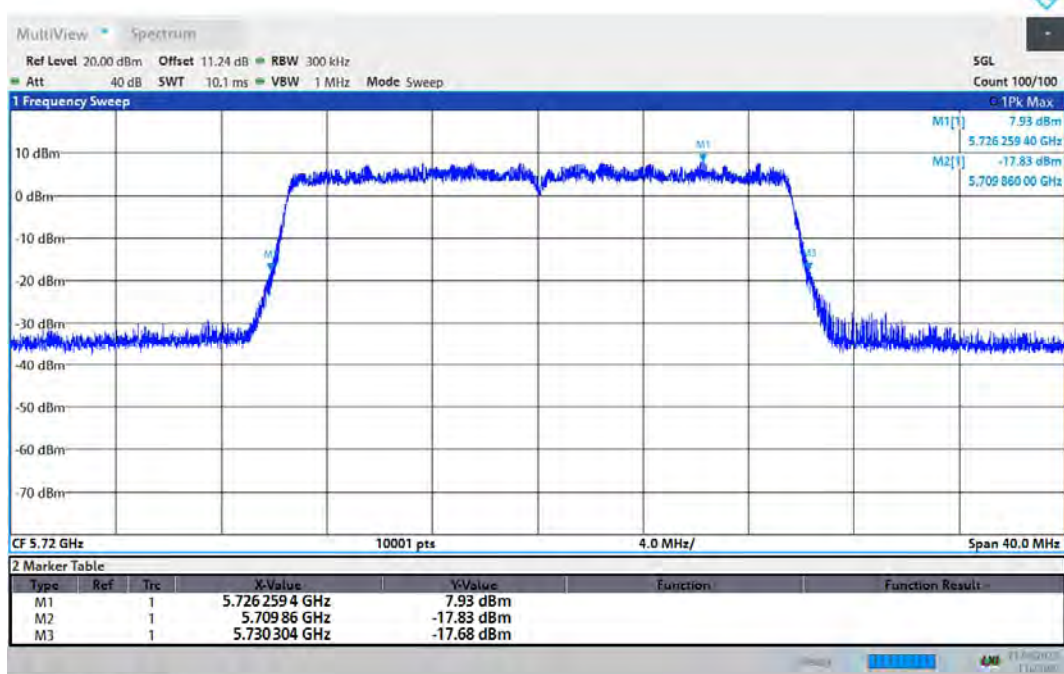


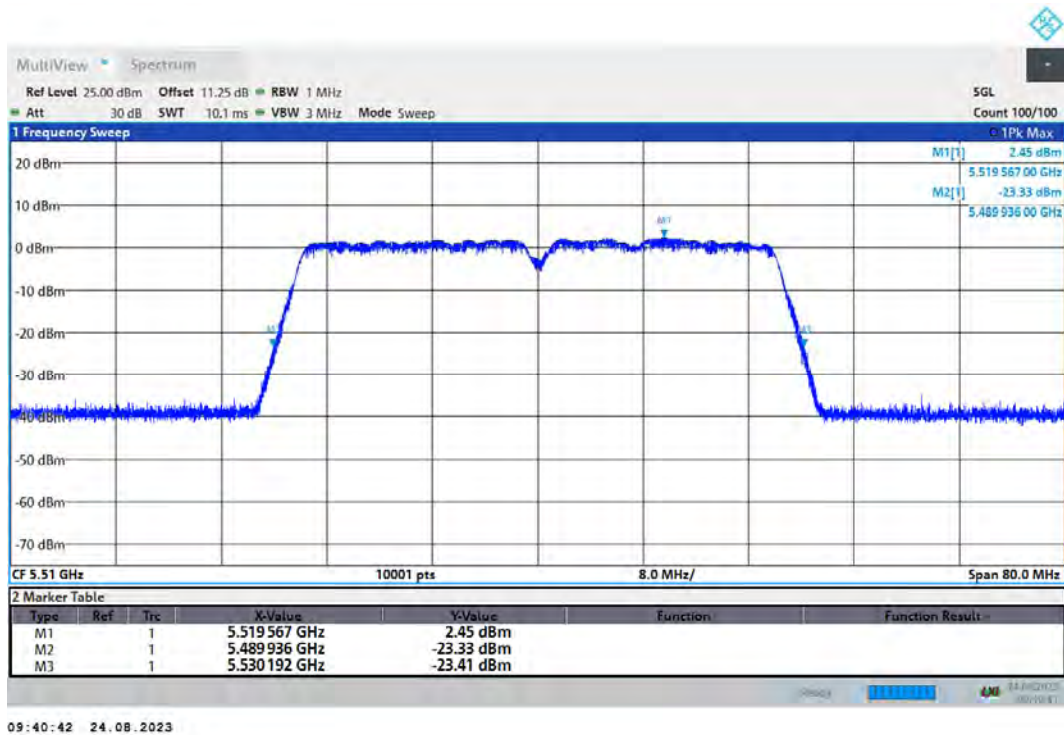
-26dB Bandwidth 802.11ax(HE20) 5700MHz



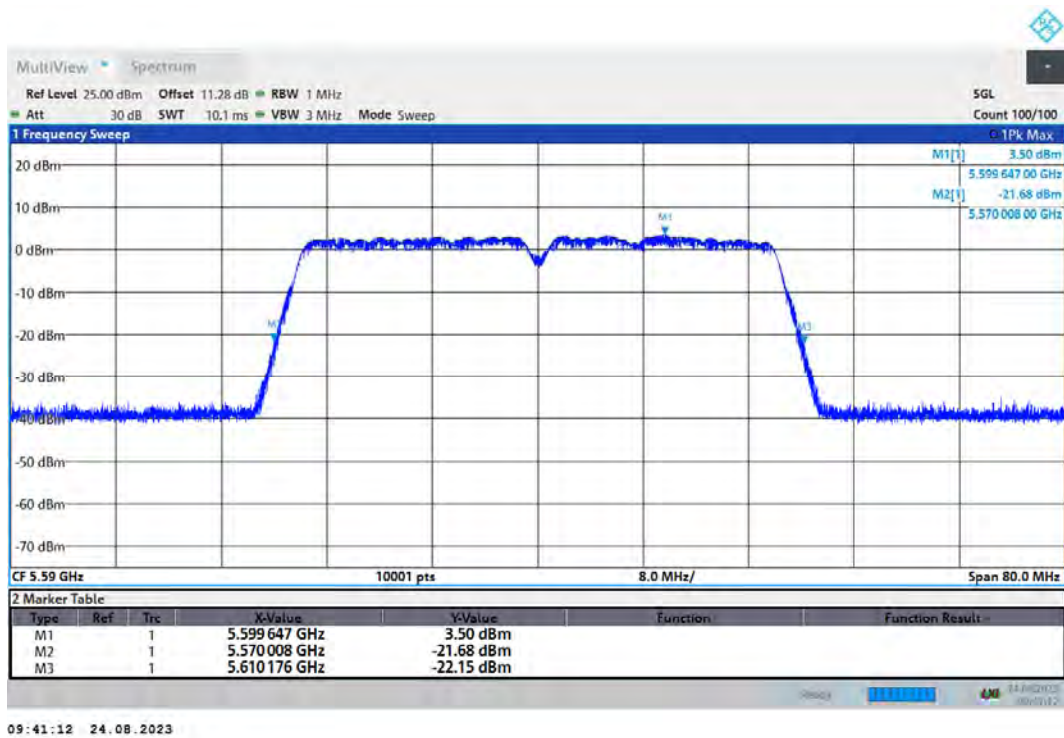
-26dB Bandwidth 802.11ax(HE20) 5720MHz



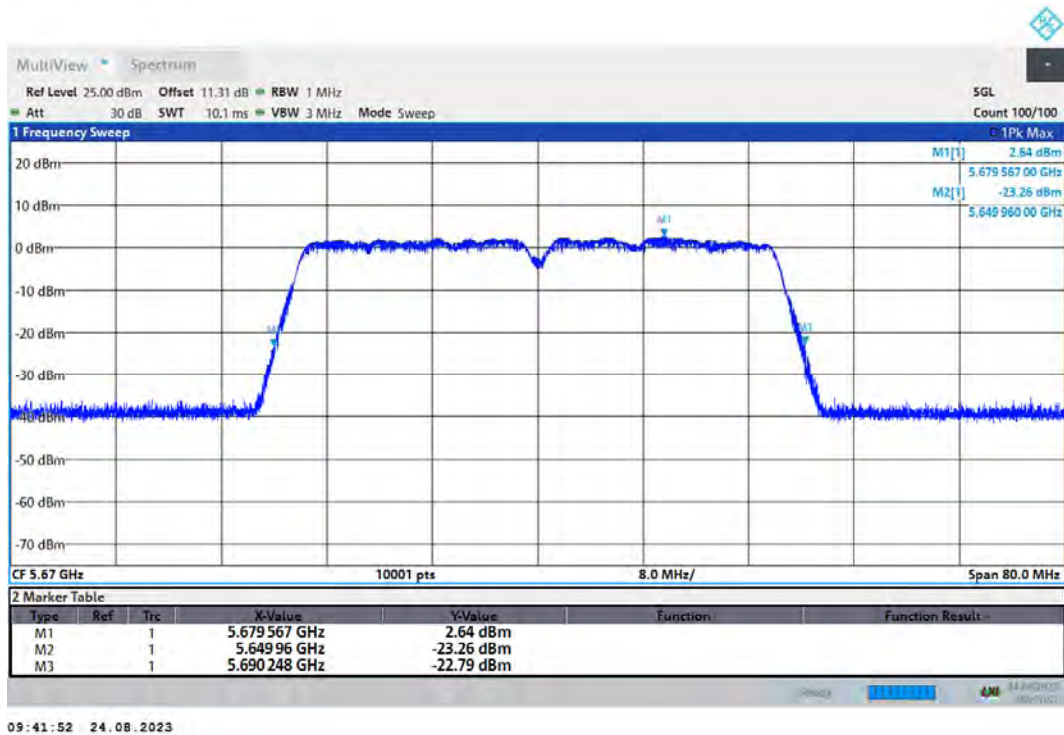
-26dB Bandwidth 802.11ax(HE40) 5510MHz



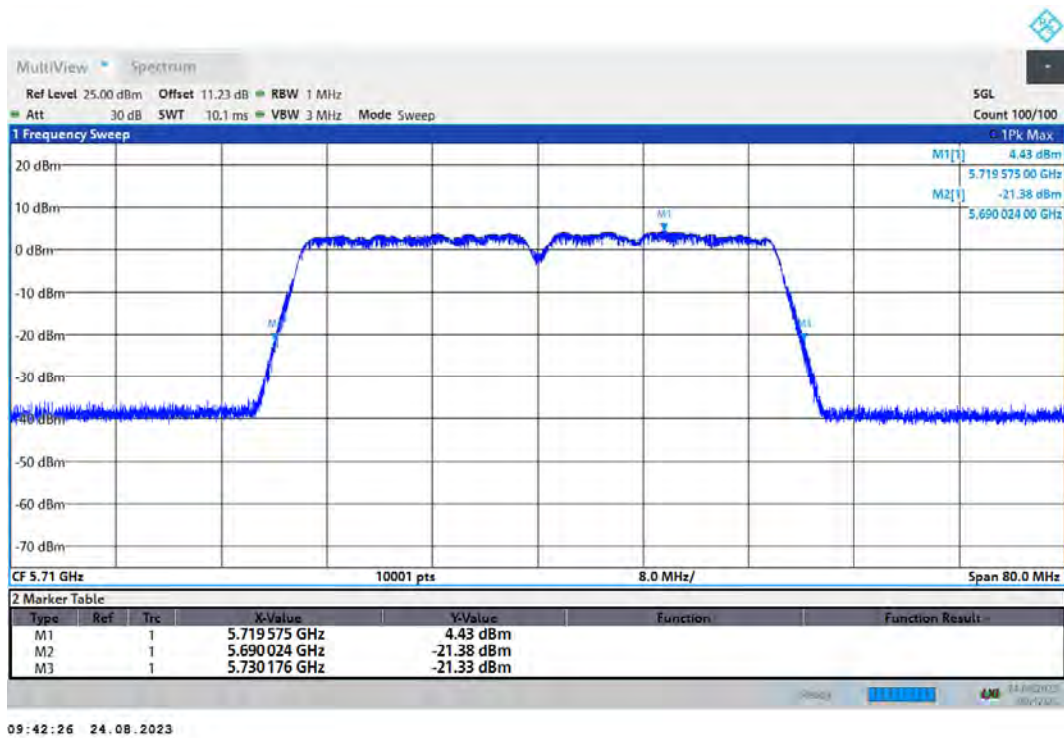
-26dB Bandwidth 802.11ax(HE40) 5590MHz



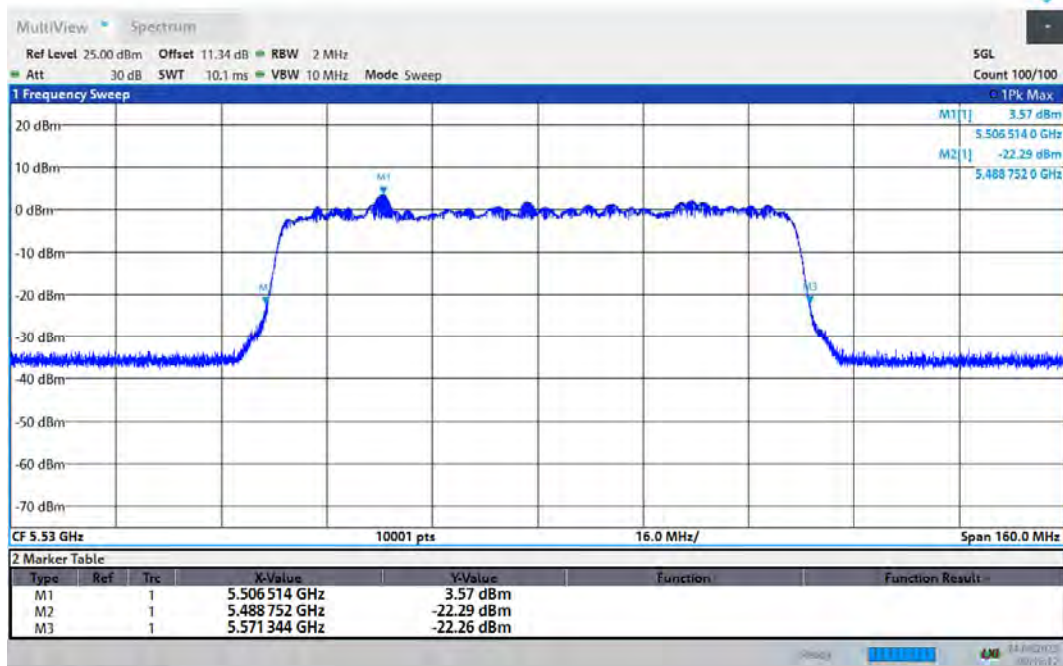
-26dB Bandwidth 802.11ax(HE40) 5670MHz



-26dB Bandwidth 802.11ax(HE40) 5710MHz

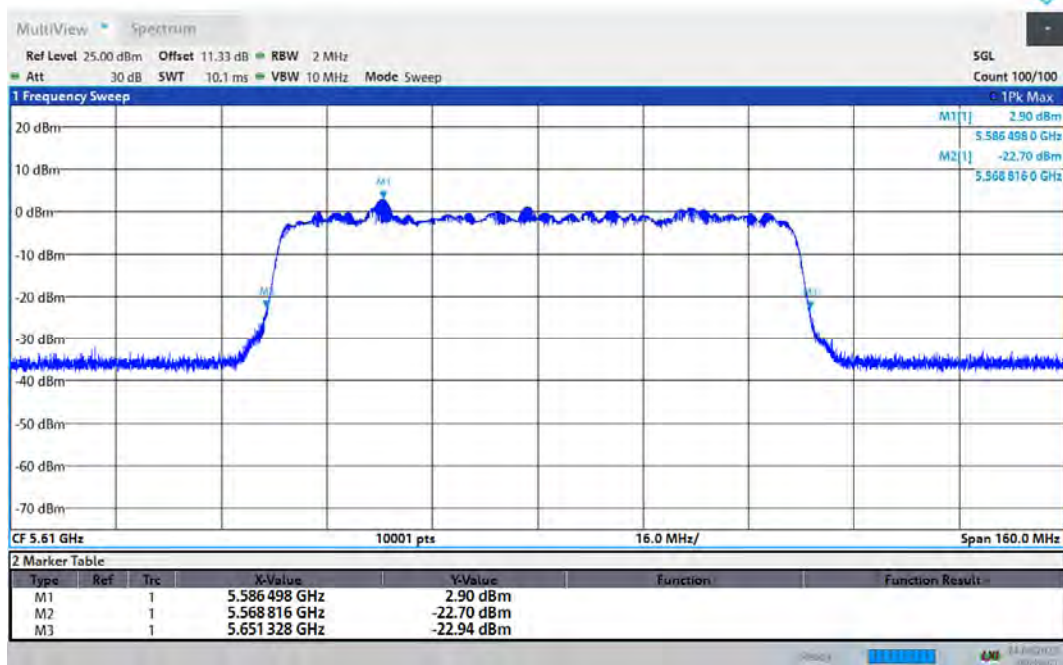


-26dB Bandwidth 802.11ax(HE80) 5530MHz



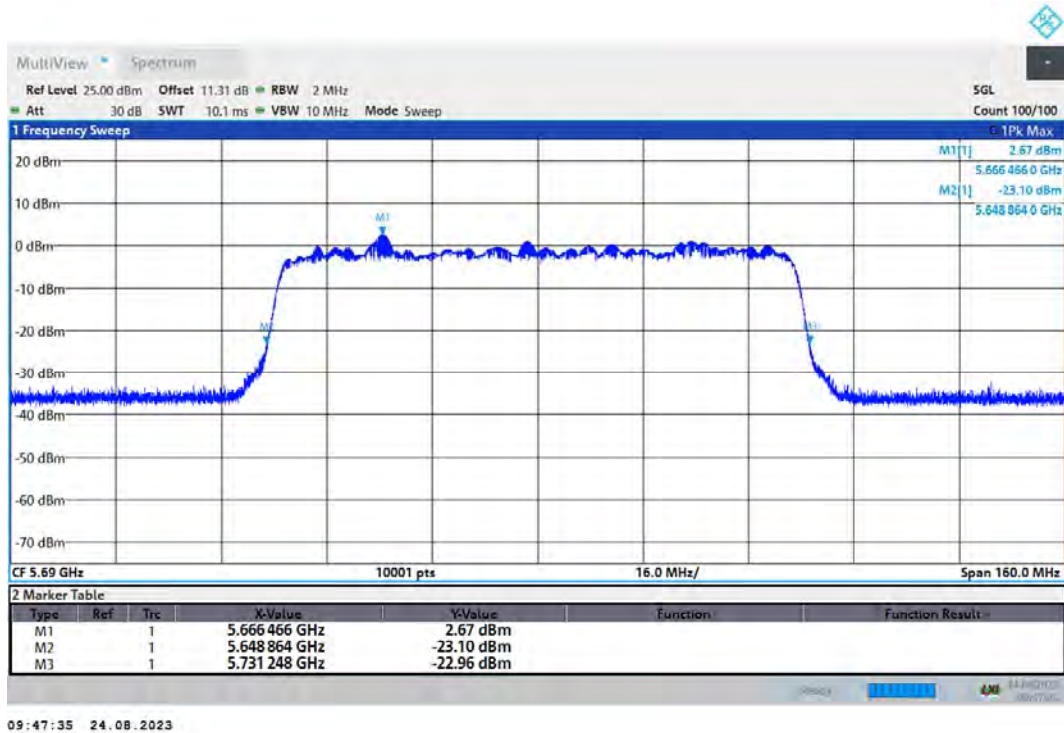
09:46:13 24.08.2023

-26dB Bandwidth 802.11ax(HE80) 5610MHz

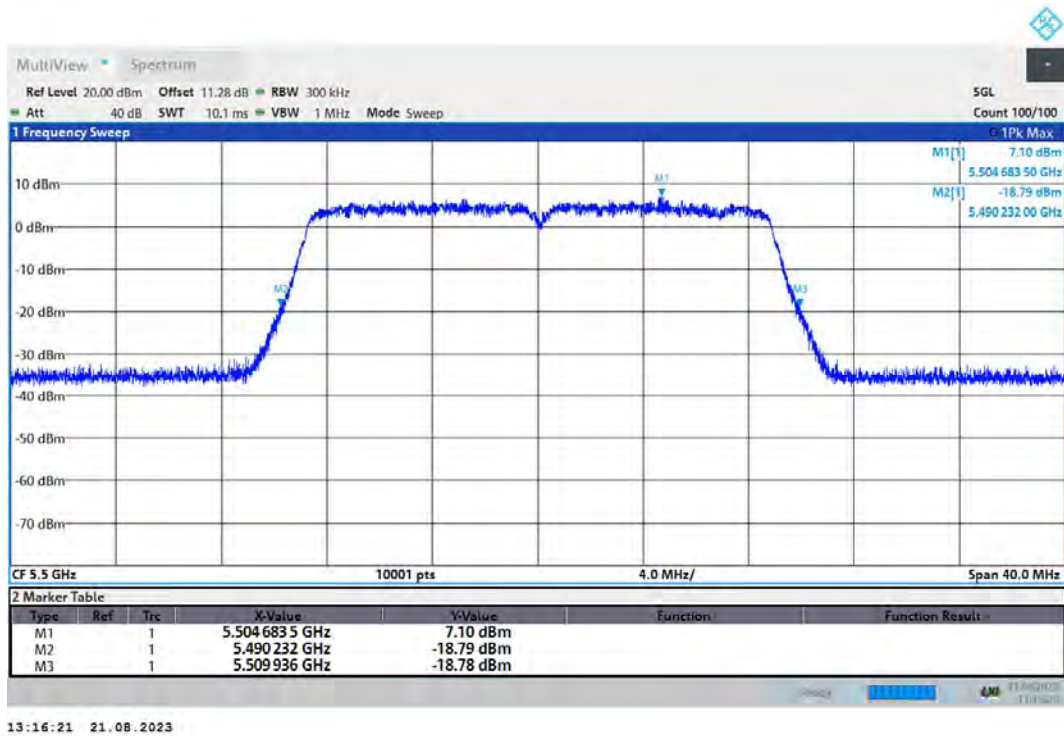


09:46:52 24.08.2023

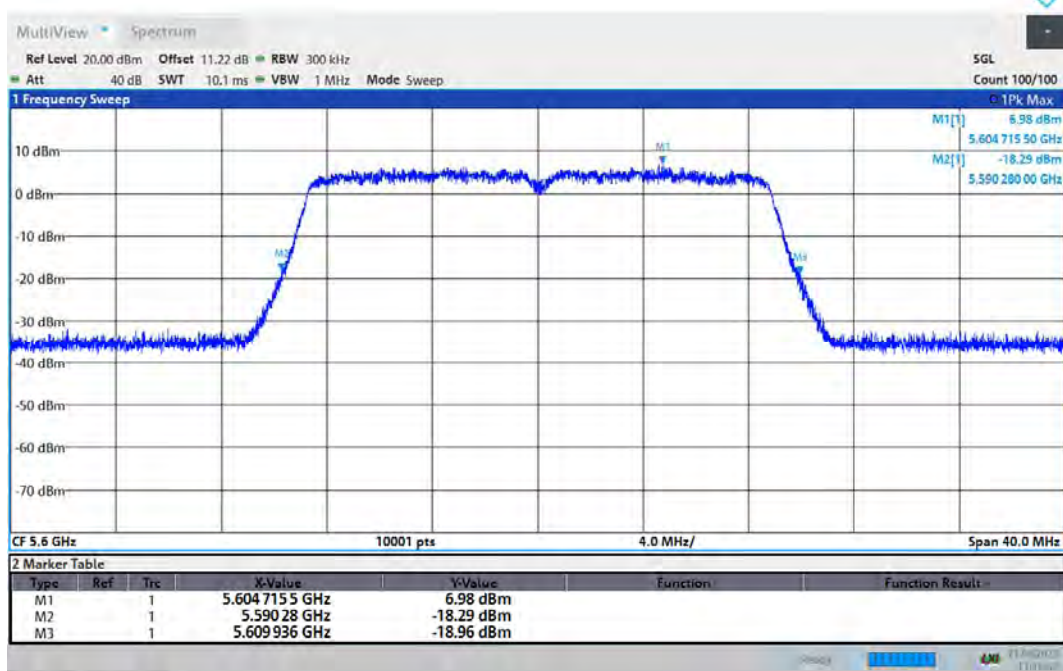
-26dB Bandwidth 802.11ax(HE80) 5690MHz



-26dB Bandwidth 802.11n(HT20) 5500MHz

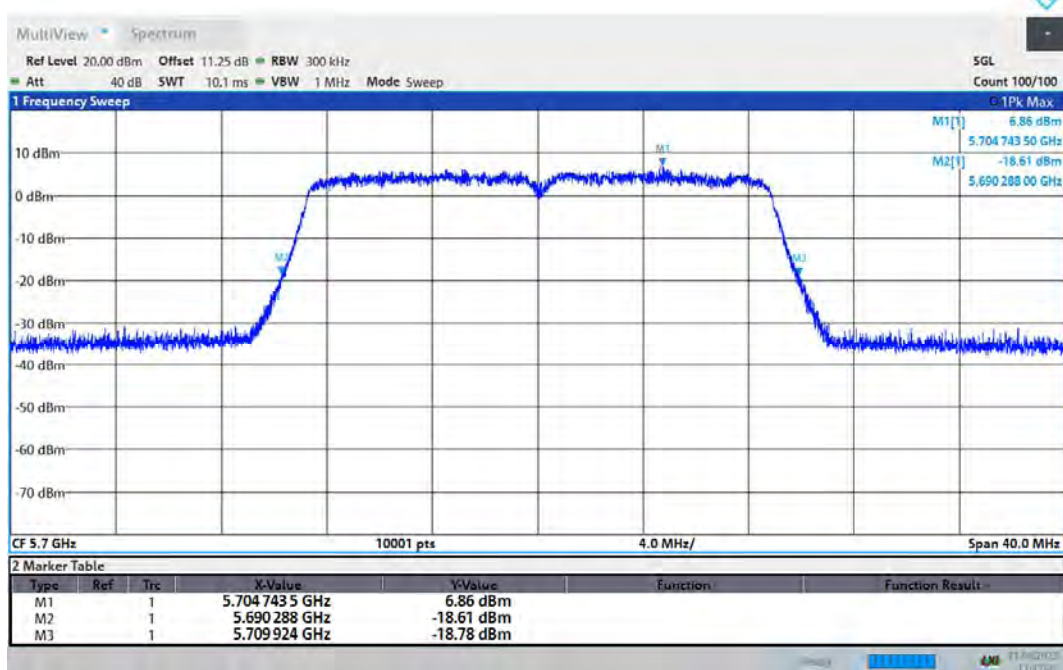


-26dB Bandwidth 802.11n(HT20) 5600MHz



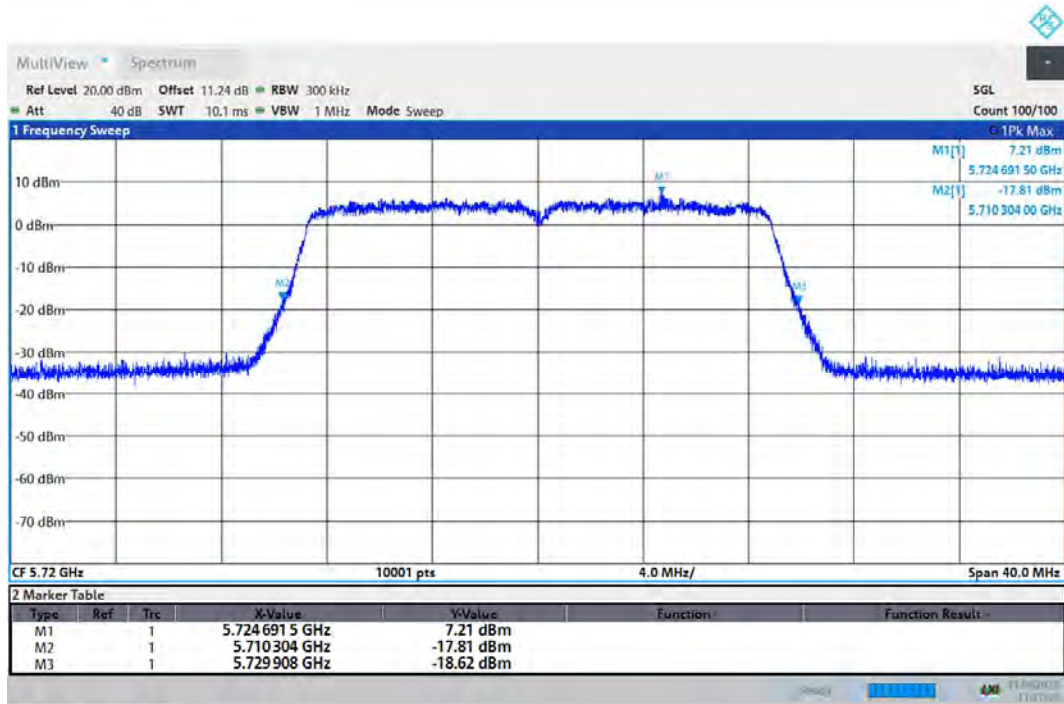
13:16:59 21.08.2023

-26dB Bandwidth 802.11n(HT20) 5700MHz



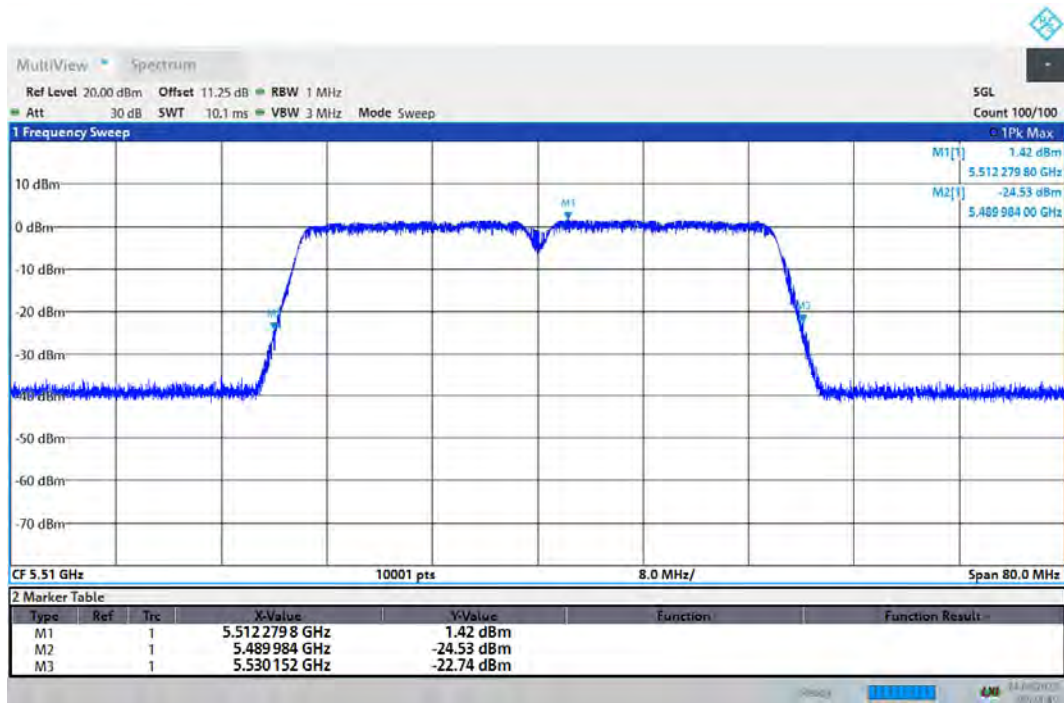
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-26dB Bandwidth 802.11n(HT20) 5720MHz



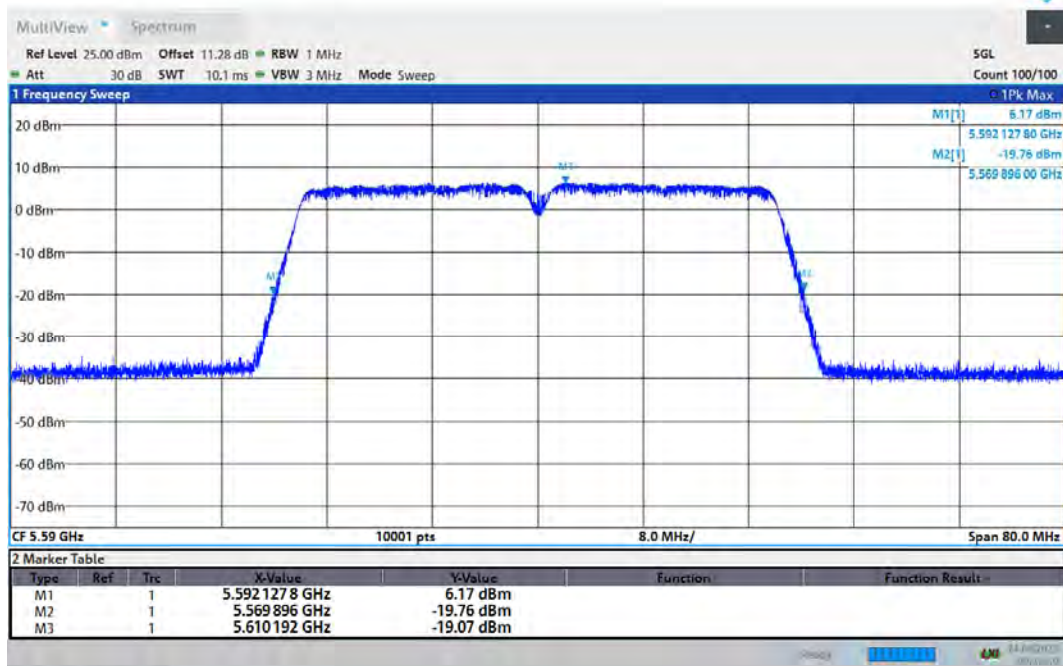
13:17:55 21.08.2023

-26dB Bandwidth 802.11n(HT40) 5510MHz



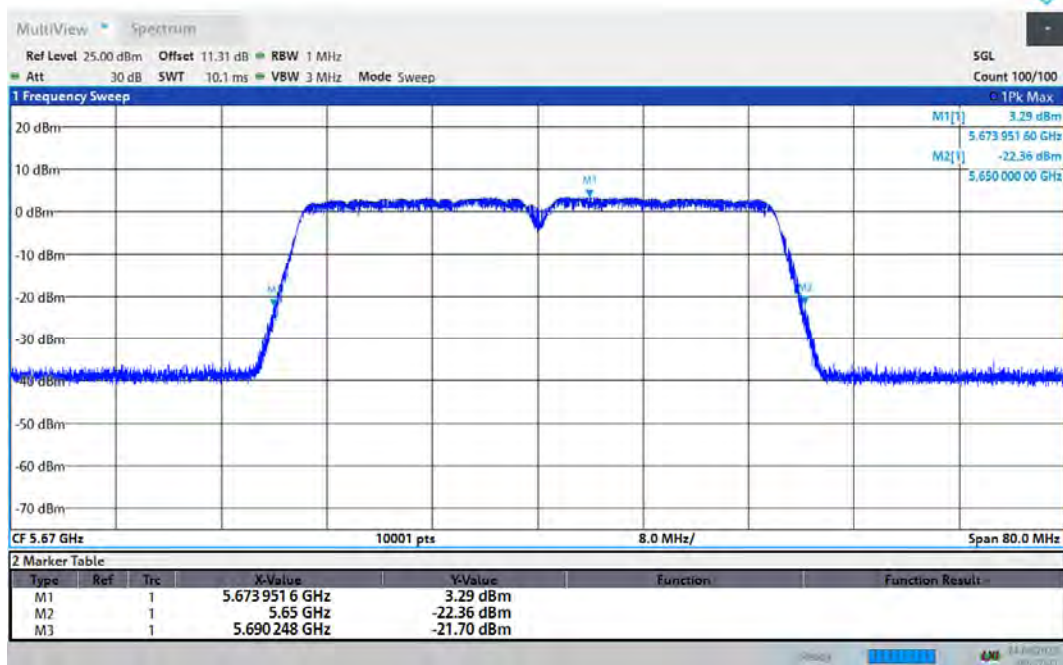
09:34:41 24.08.2023

-26dB Bandwidth 802.11n(HT40) 5590MHz



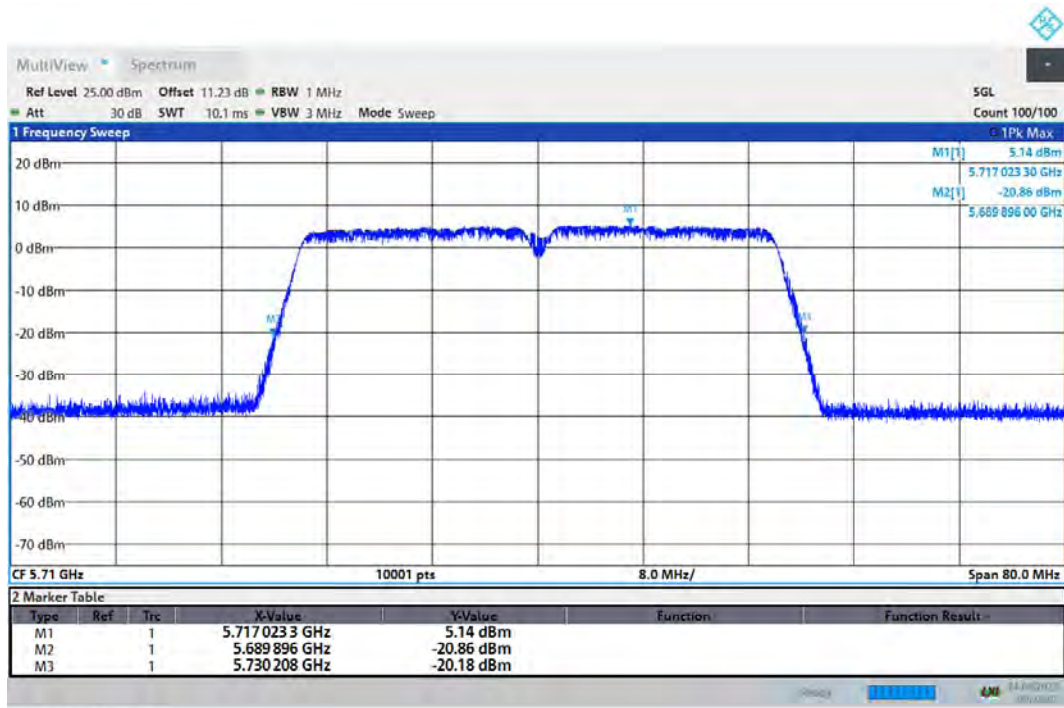
09:36:59 24.08.2023

-26dB Bandwidth 802.11n(HT40) 5670MHz



09:37:32 24.08.2023

-26dB Bandwidth 802.11n(HT40) 5710MHz

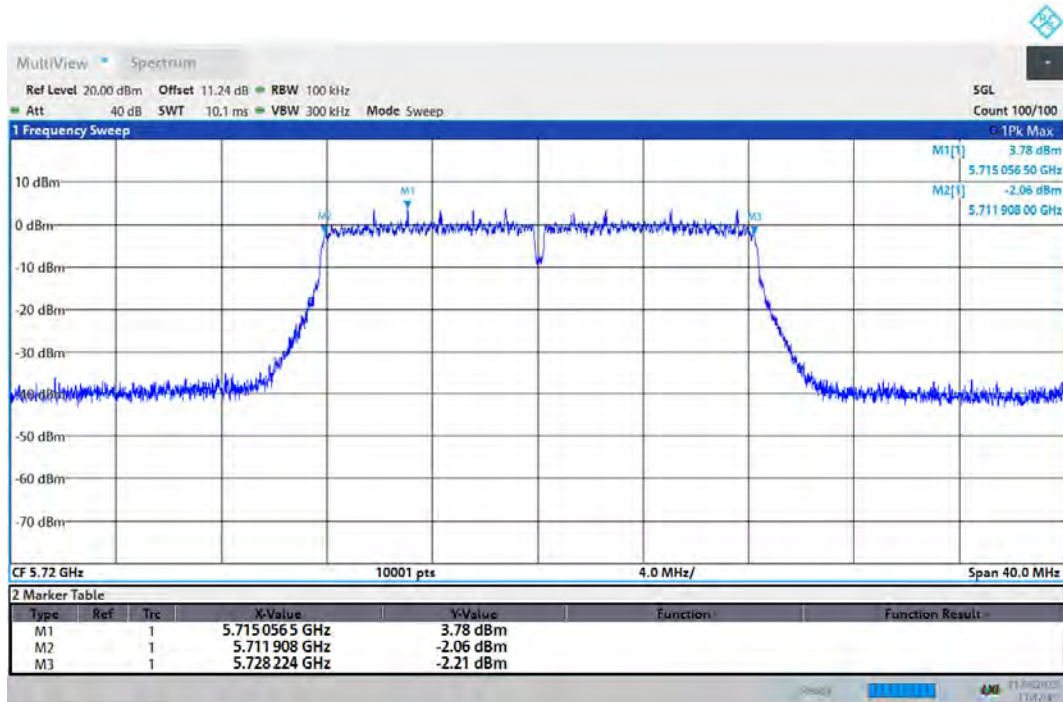


09:38:04 24.08.2023

Minimum 6 dB bandwidth

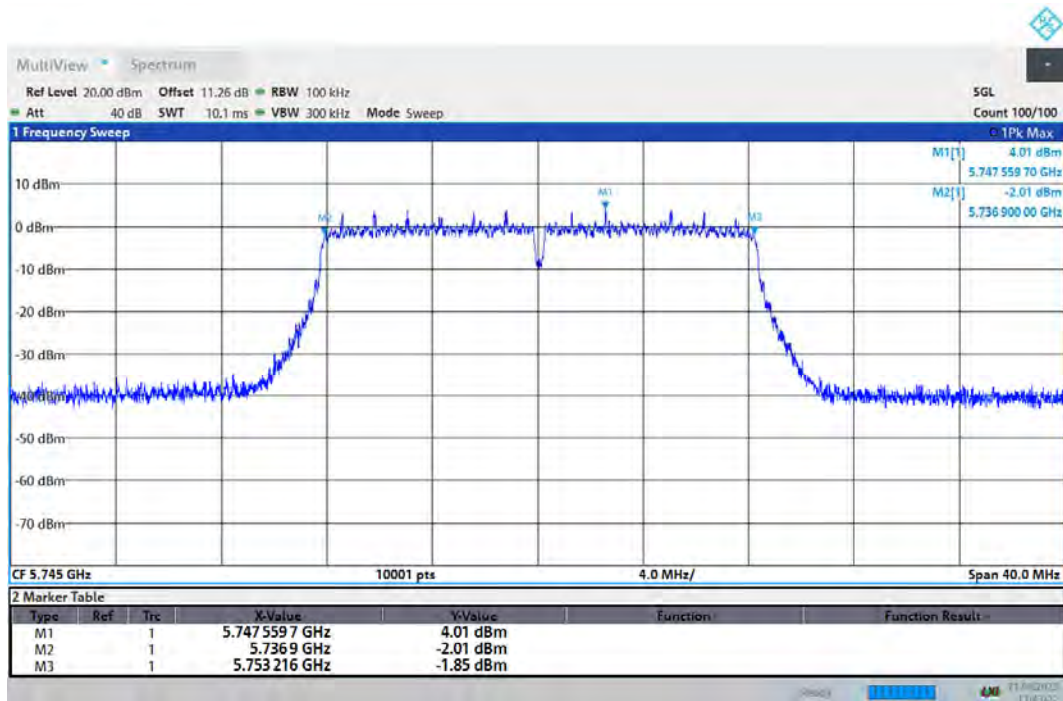
U-NII-3

-6dB Bandwidth 802.11a 5720MHz



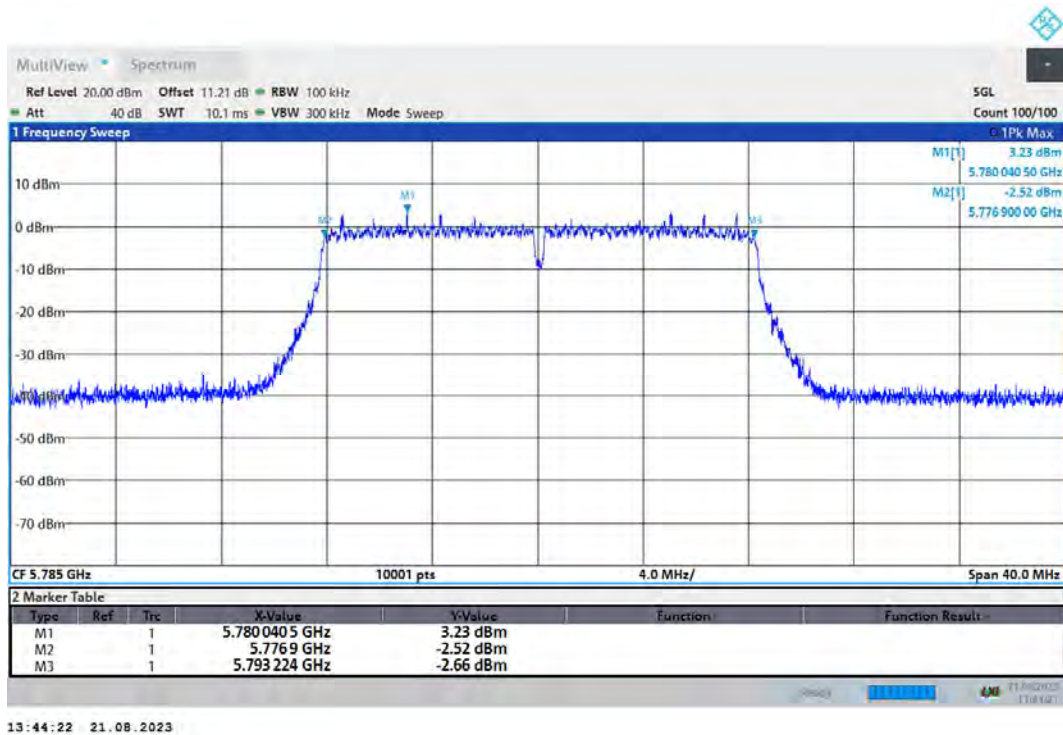
13:42:49 21.08.2023

-6dB Bandwidth 802.11a 5745MHz

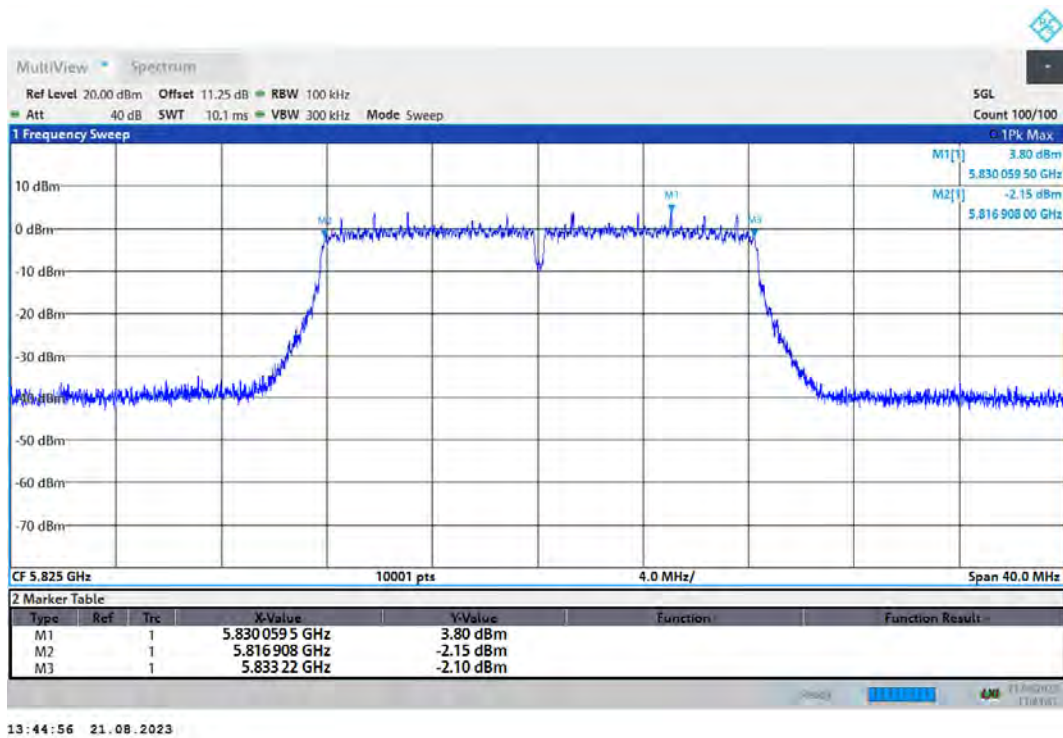


13:43:23 21.08.2023

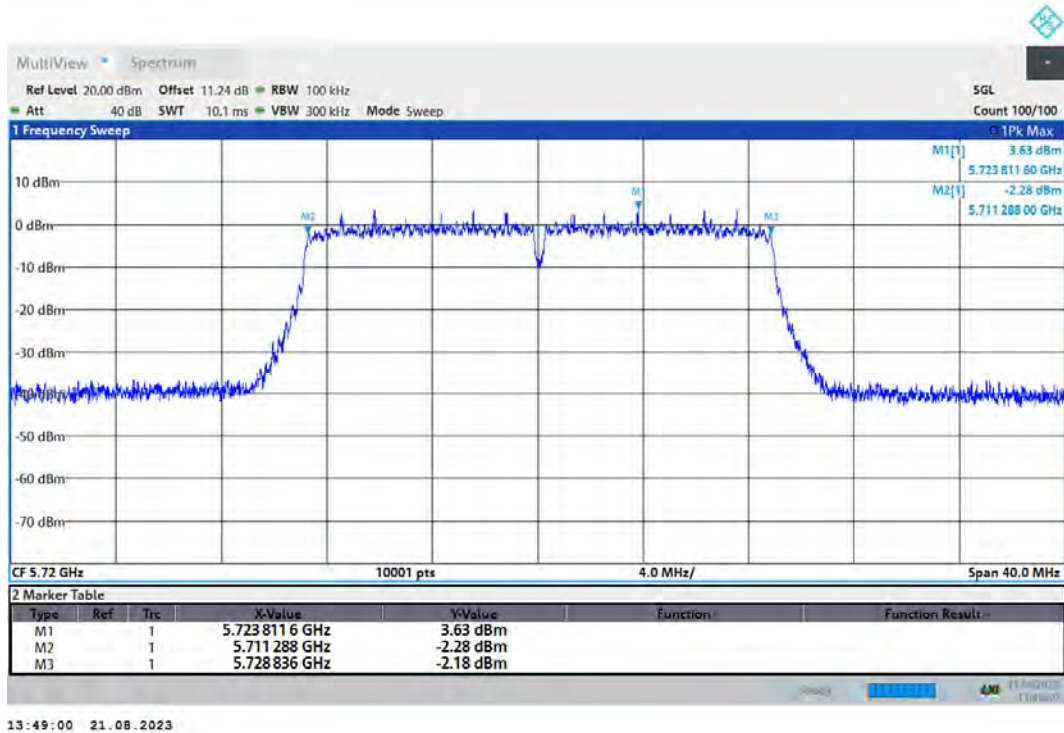
-6dB Bandwidth 802.11a 5785MHz



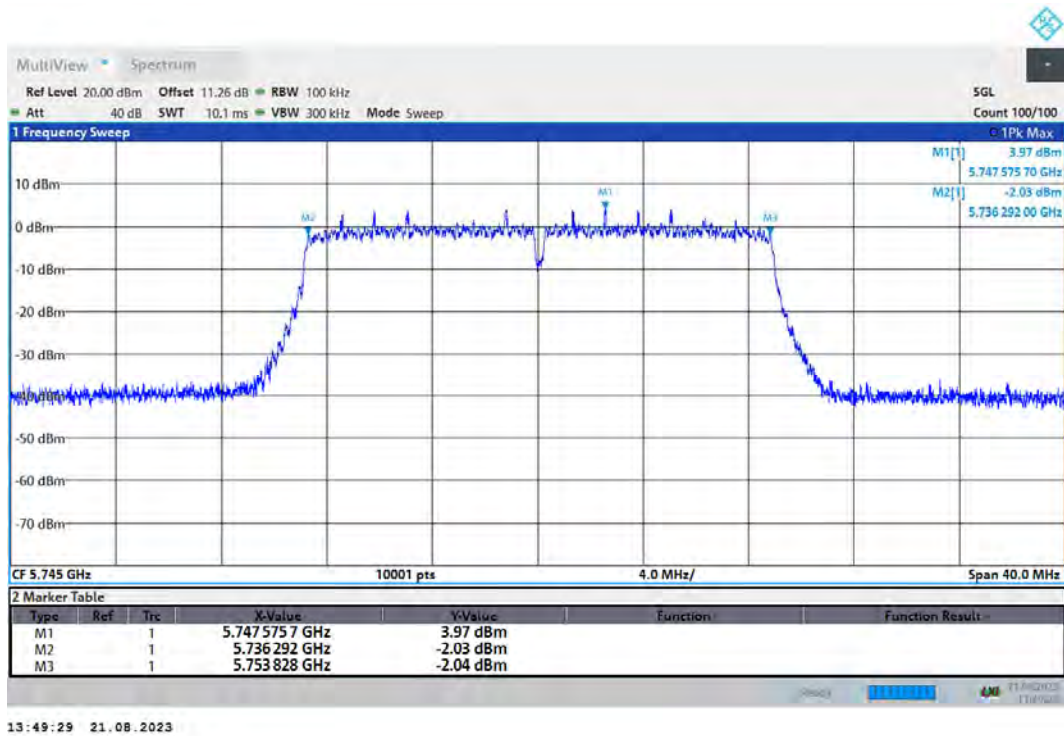
-6dB Bandwidth 802.11a 5825MHz



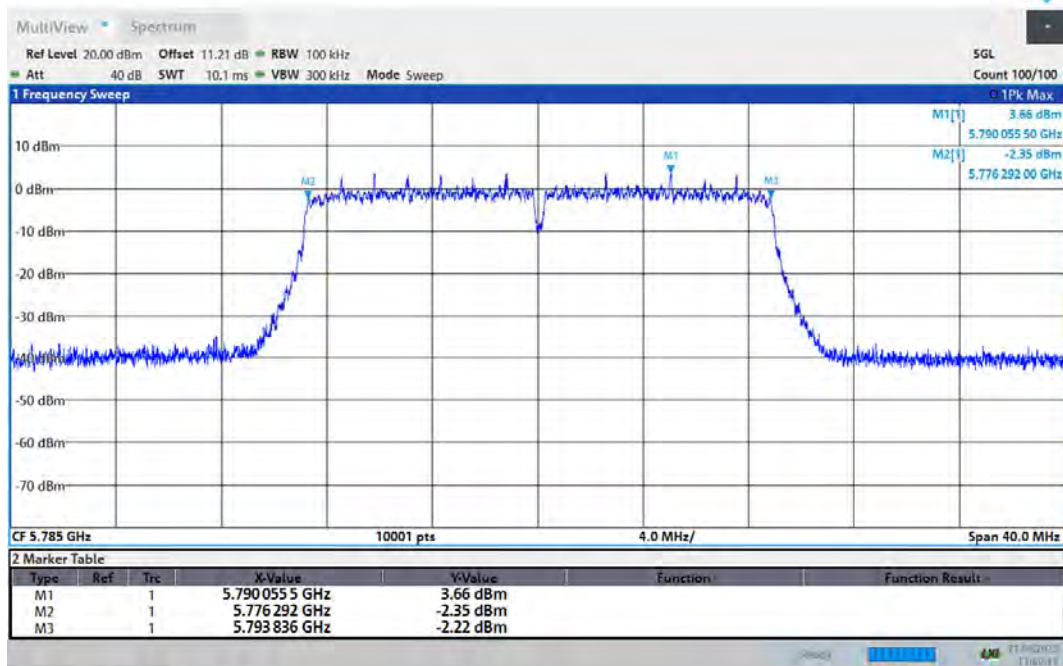
-6dB Bandwidth 802.11ac(VHT20) 5720MHz



-6dB Bandwidth 802.11ac(VHT20) 5745MHz

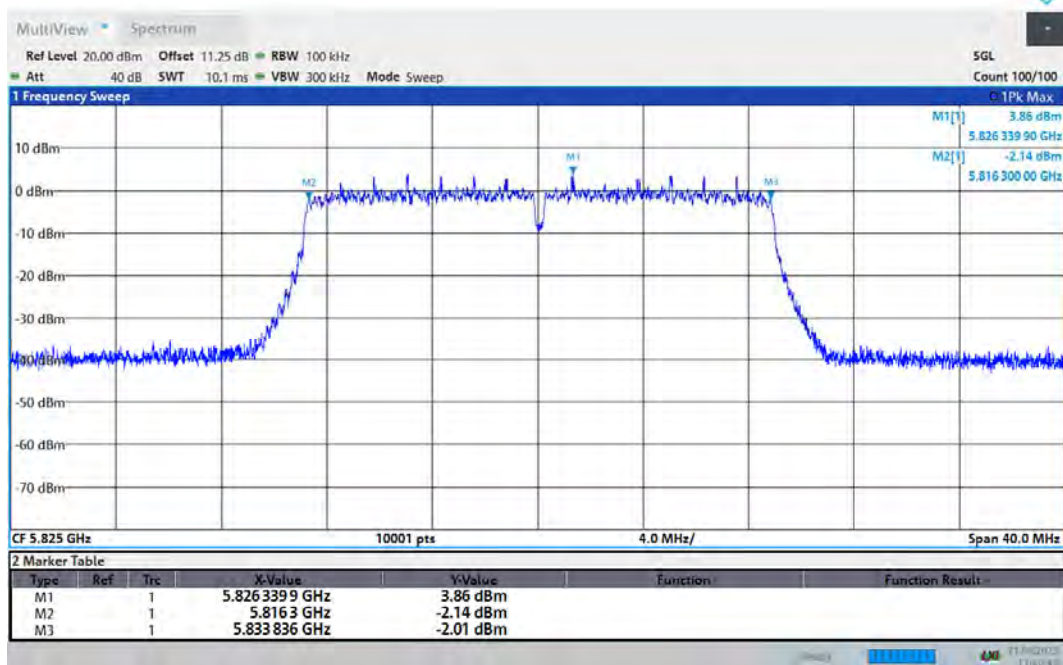


-6dB Bandwidth 802.11ac(VHT20) 5785MHz



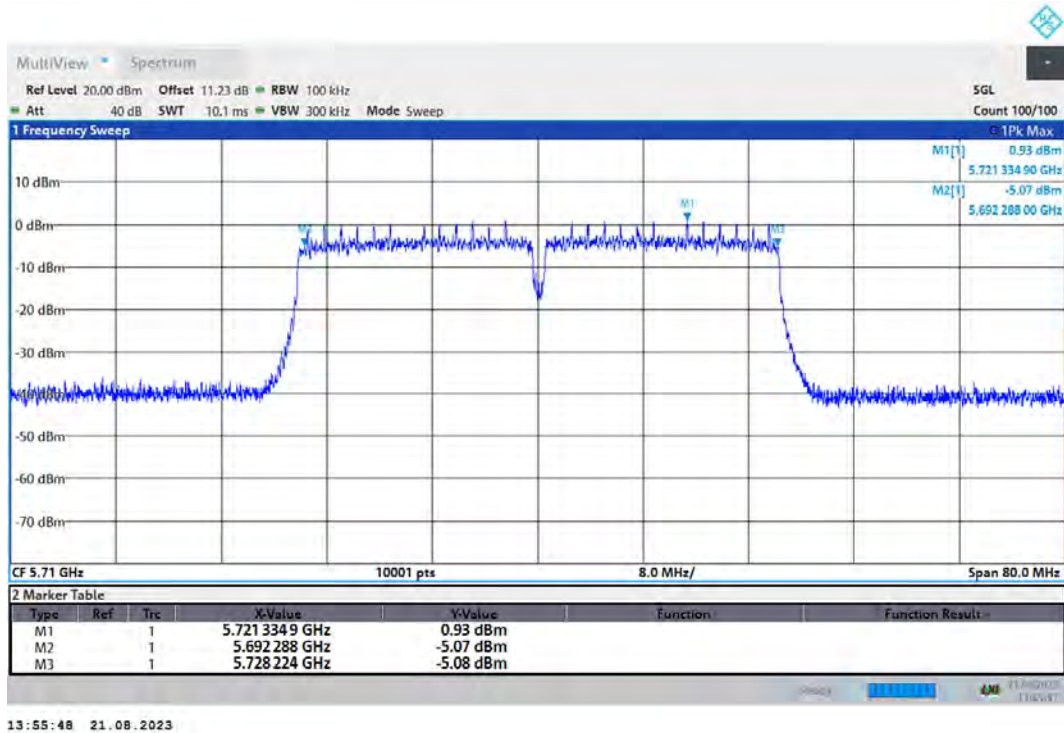
13:50:17 21.08.2023

-6dB Bandwidth 802.11ac(VHT20) 5825MHz

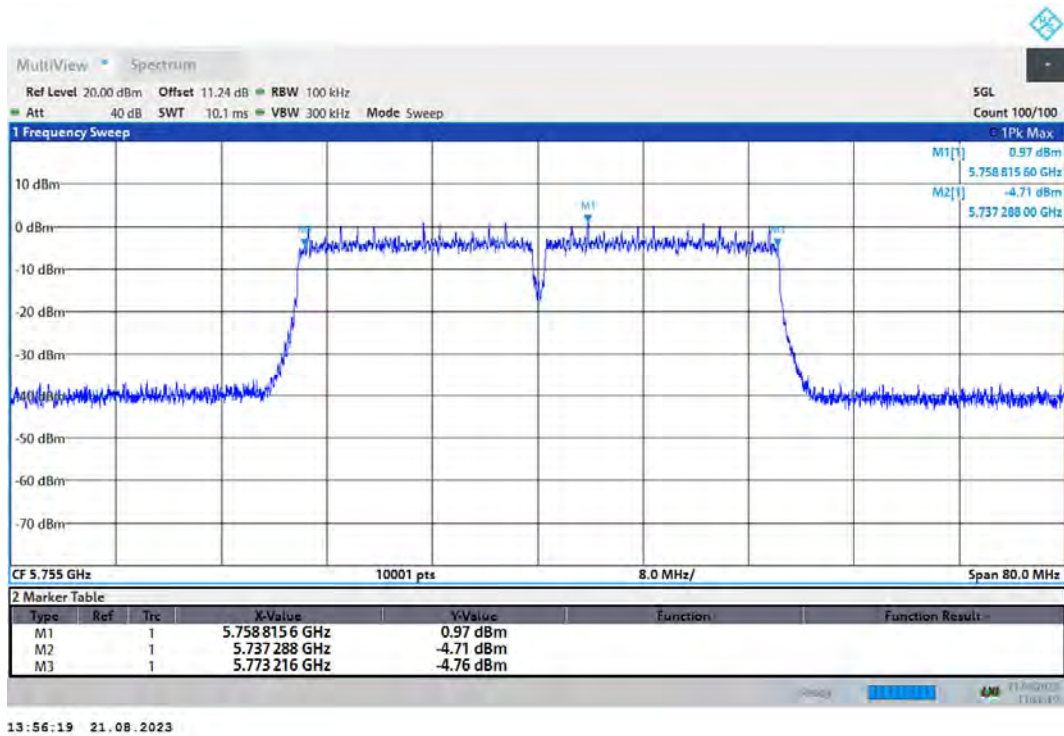


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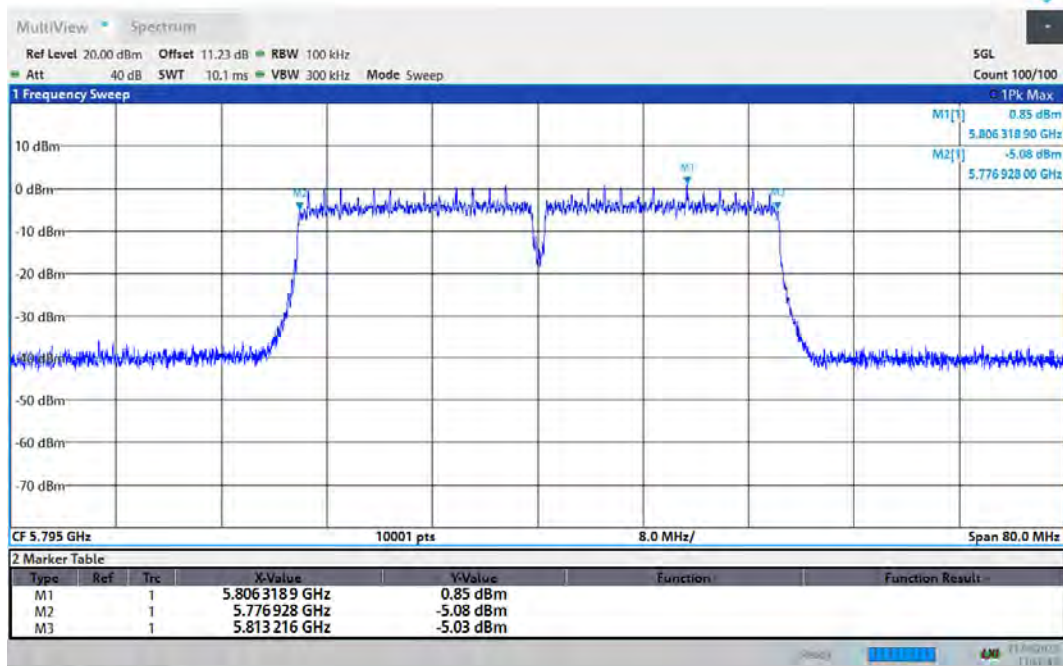
-6dB Bandwidth 802.11ac(VHT40) 5710MHz



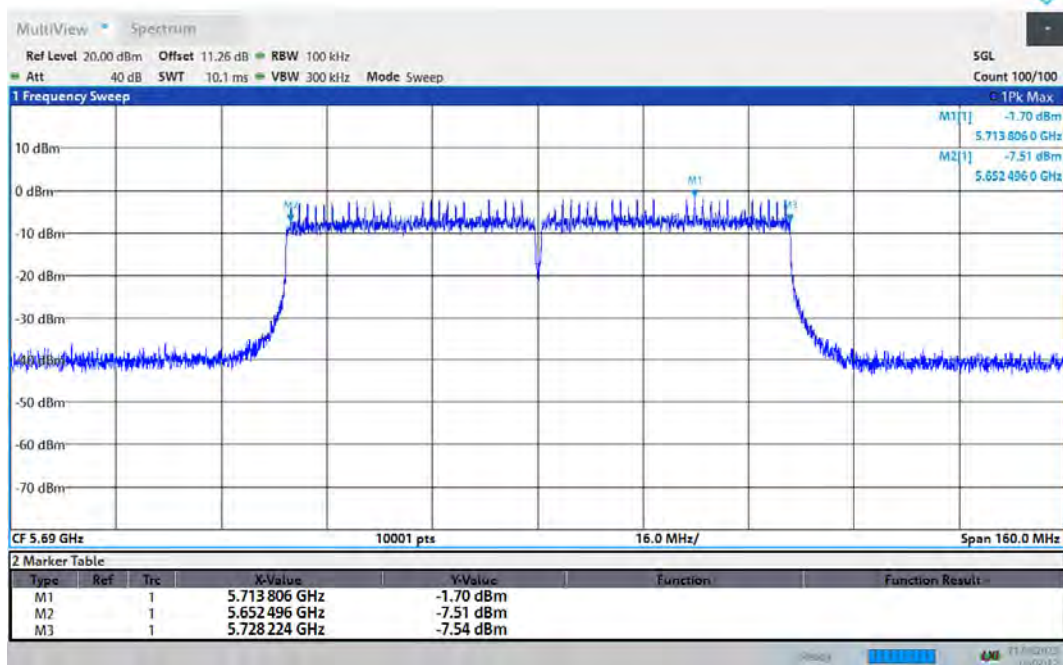
-6dB Bandwidth 802.11ac(VHT40) 5755MHz



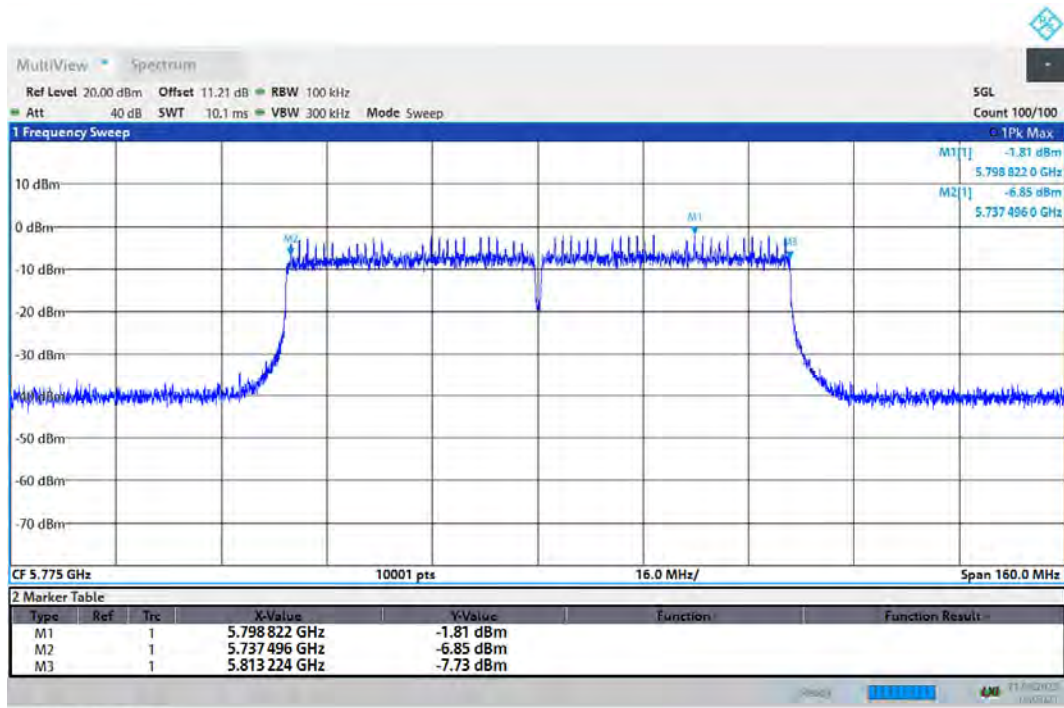
-6dB Bandwidth 802.11ac(VHT40) 5795MHz



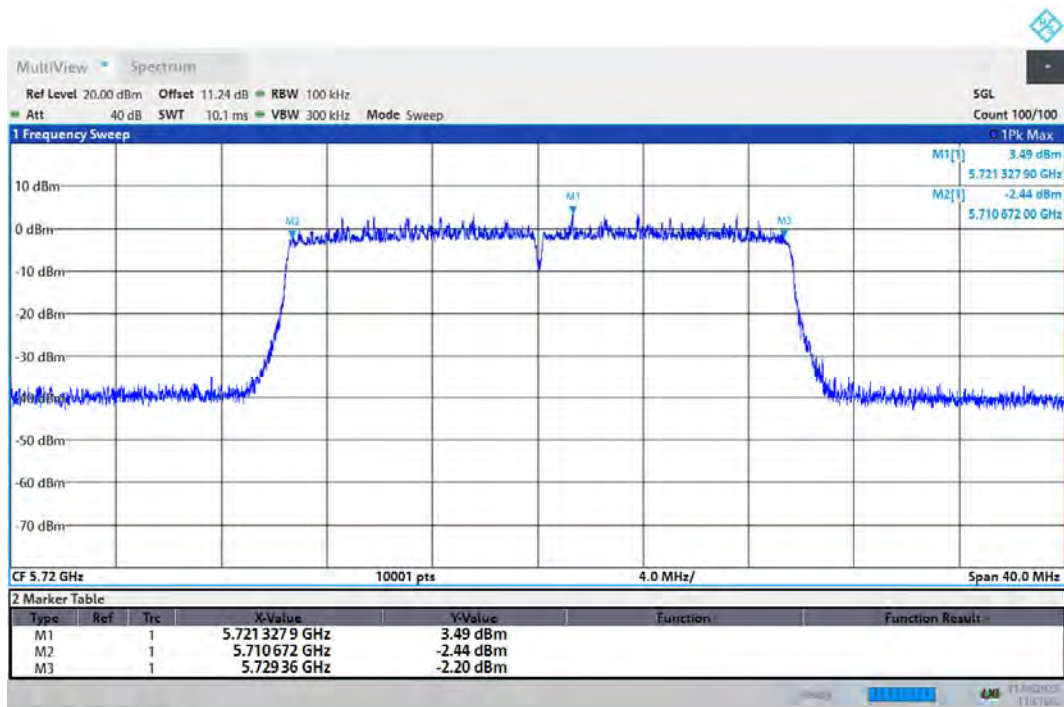
-6dB Bandwidth 802.11ac(VHT80) 5690MHz



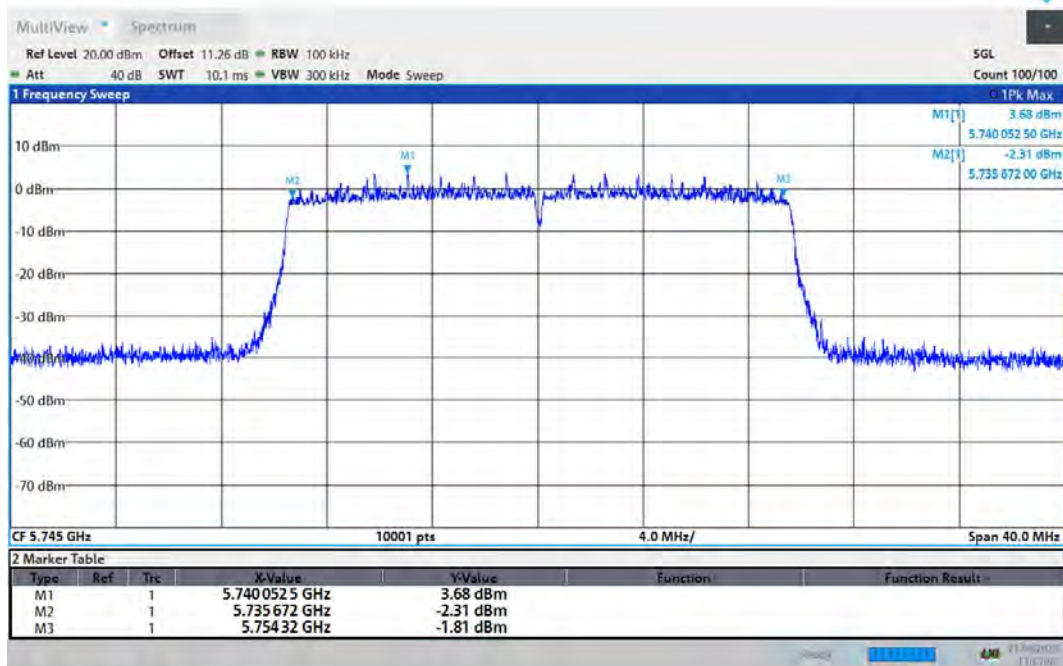
-6dB Bandwidth 802.11ac(VHT80) 5775MHz



-6dB Bandwidth 802.11ax(HE20) 5720MHz

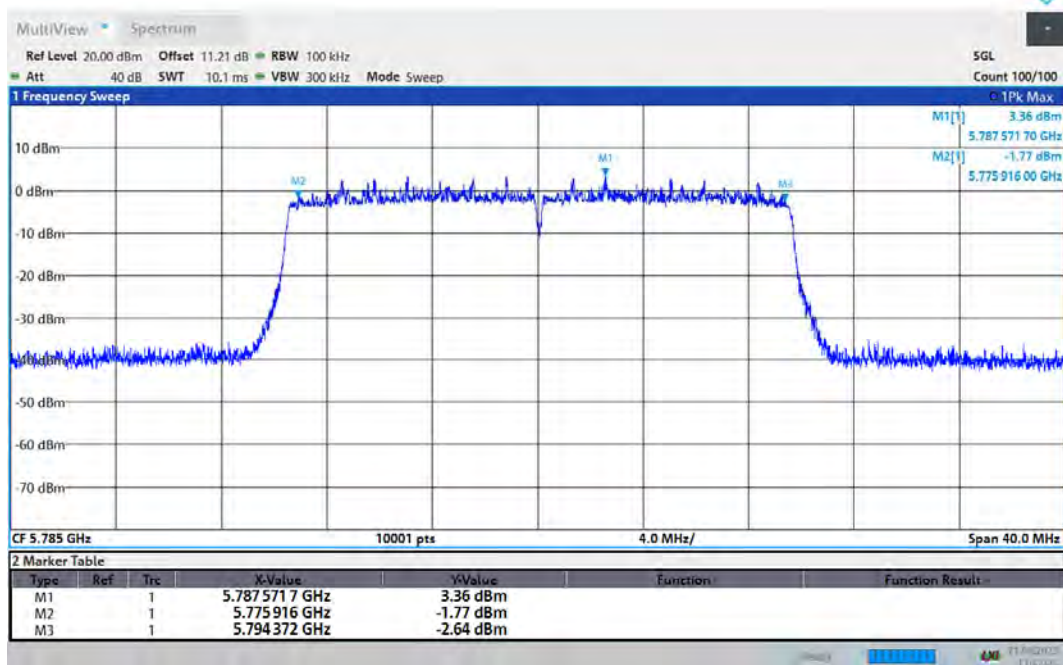


-6dB Bandwidth 802.11ax(HE20) 5745MHz



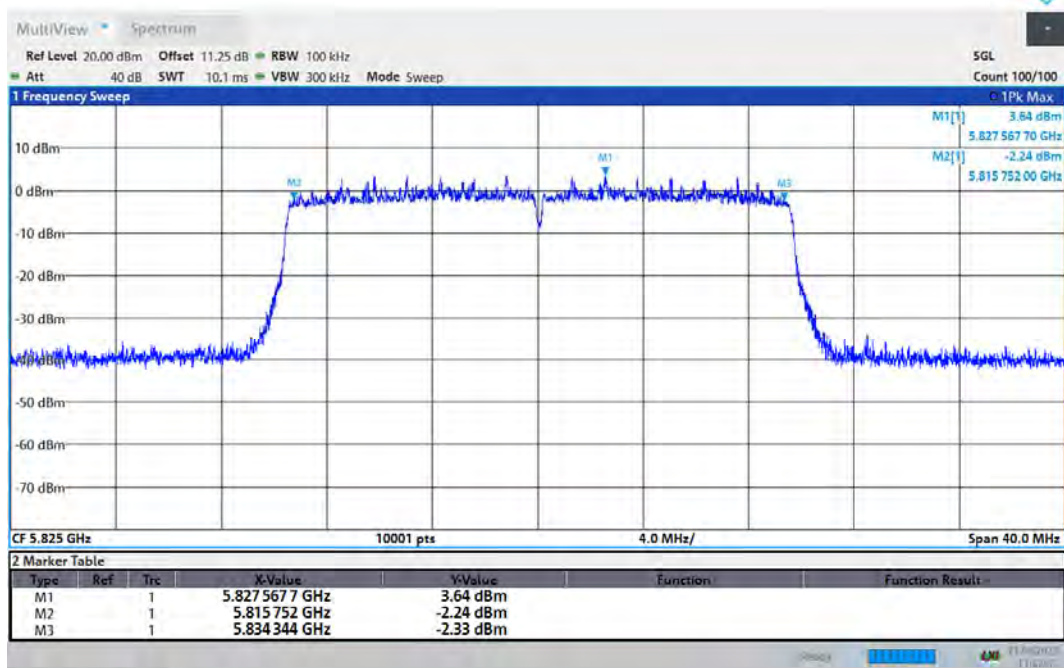
13:51:56 21.08.2023

-6dB Bandwidth 802.11ax(HE20) 5785MHz



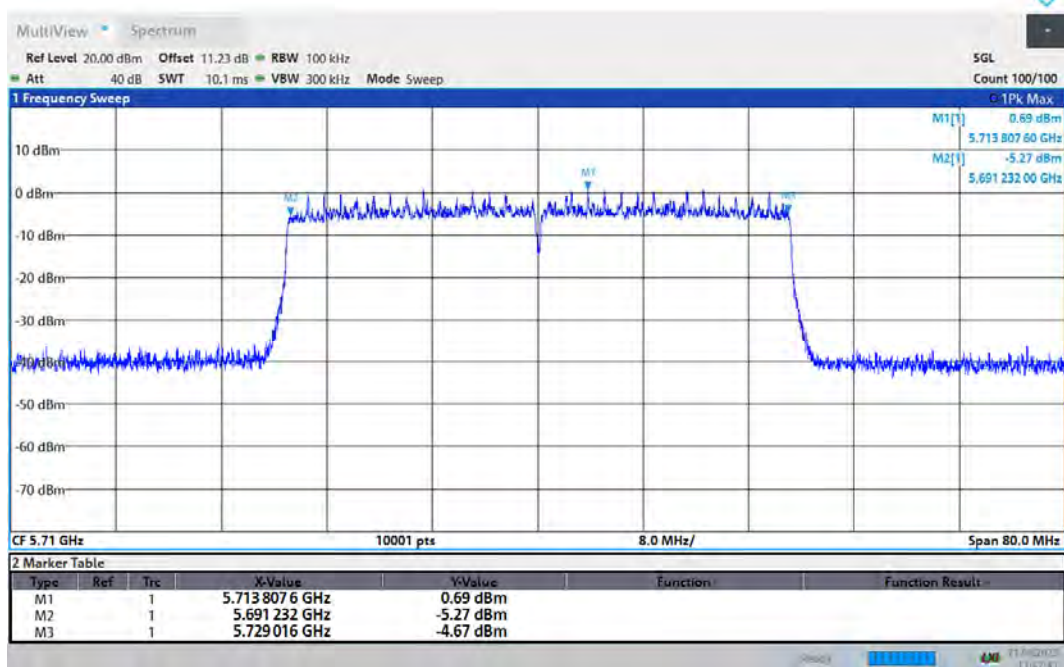
13:52:25 21.08.2023

-6dB Bandwidth 802.11ax(HE20) 5825MHz



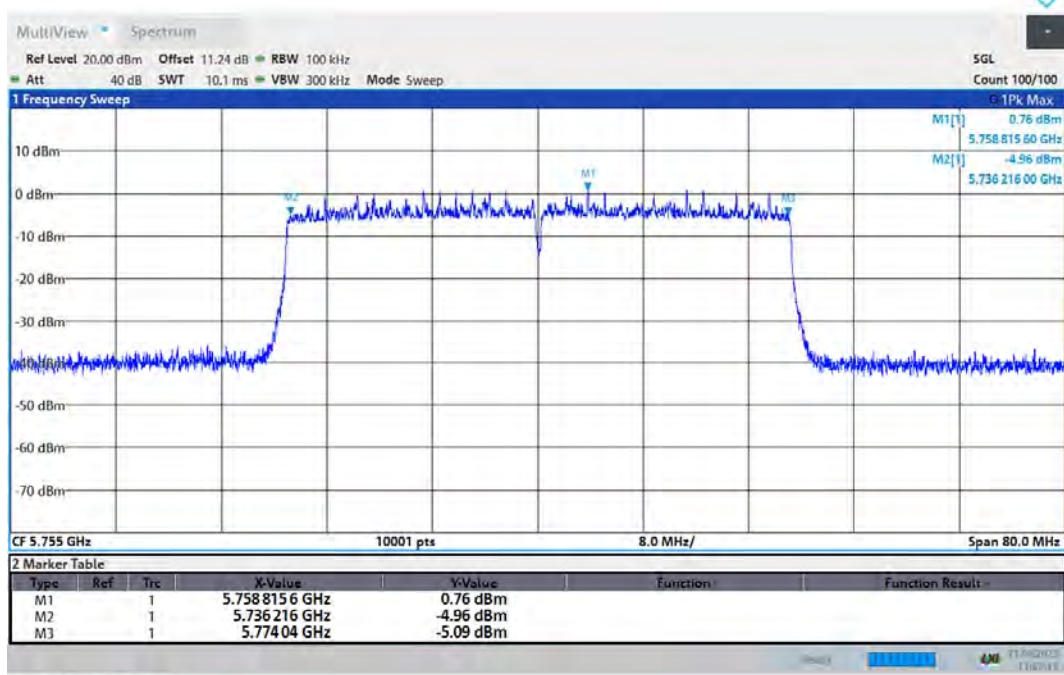
13:52:56 21.08.2023

-6dB Bandwidth 802.11ax(HE40) 5710MHz



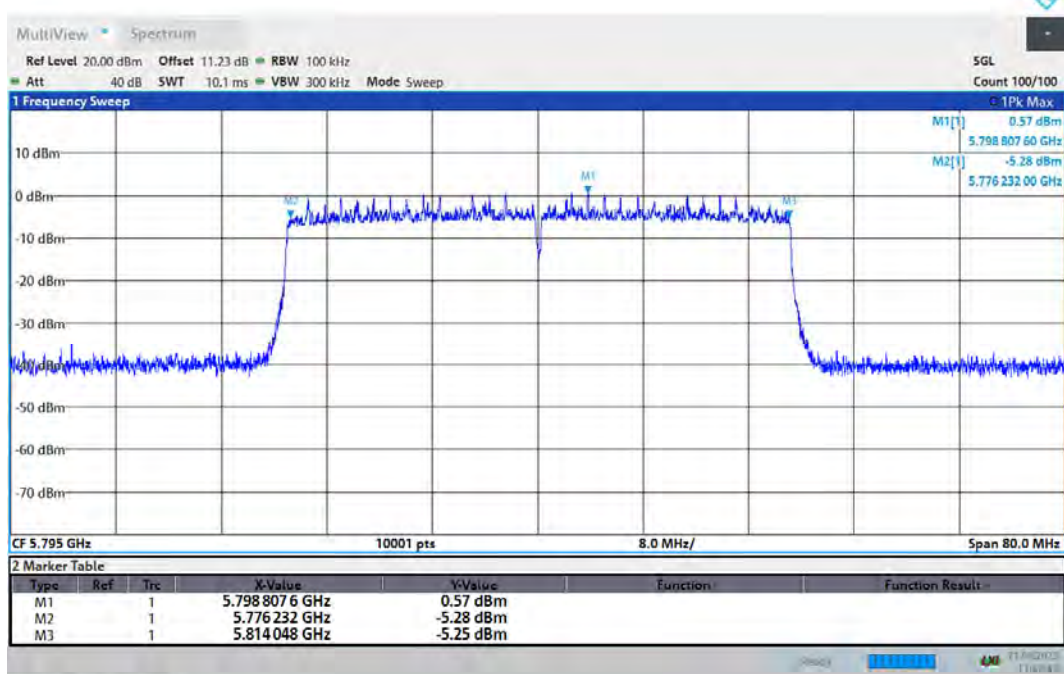
13:57:42 21.08.2023

-6dB Bandwidth 802.11ax(HE40) 5755MHz



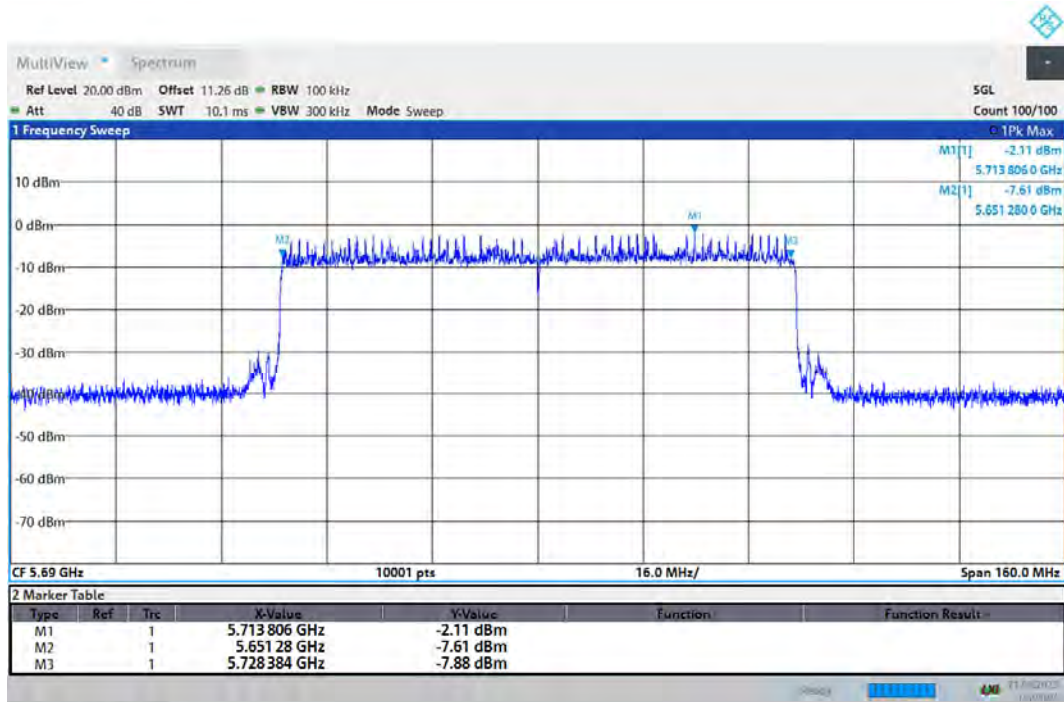
13:58:16 21.08.2023

-6dB Bandwidth 802.11ax(HE40) 5795MHz

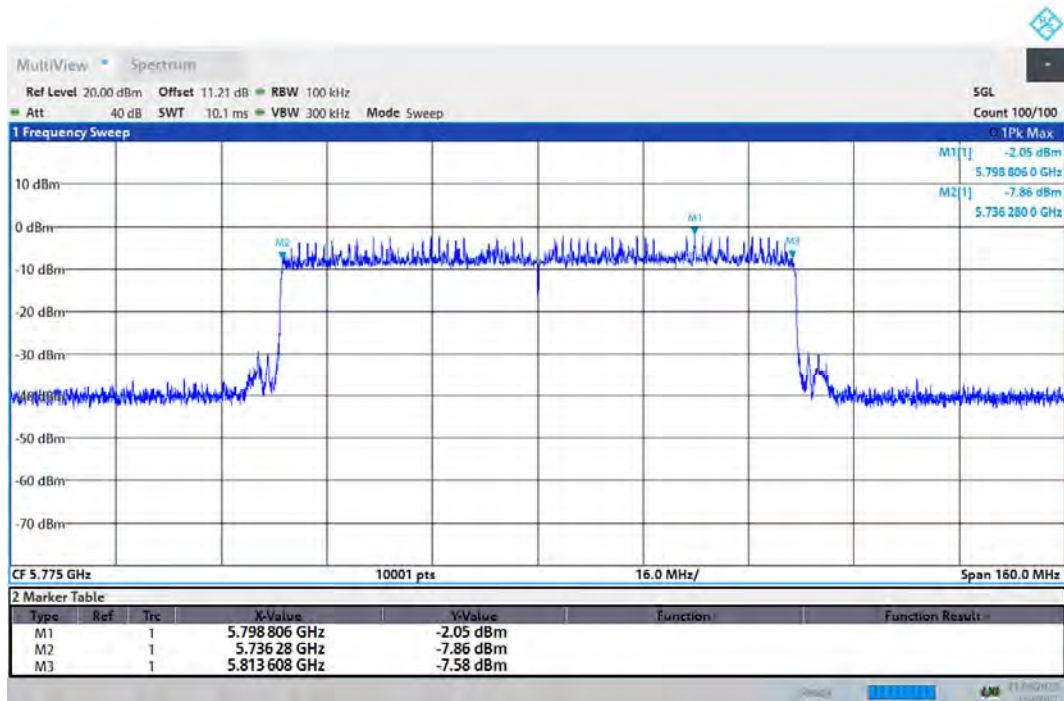


13:58:48 21.08.2023

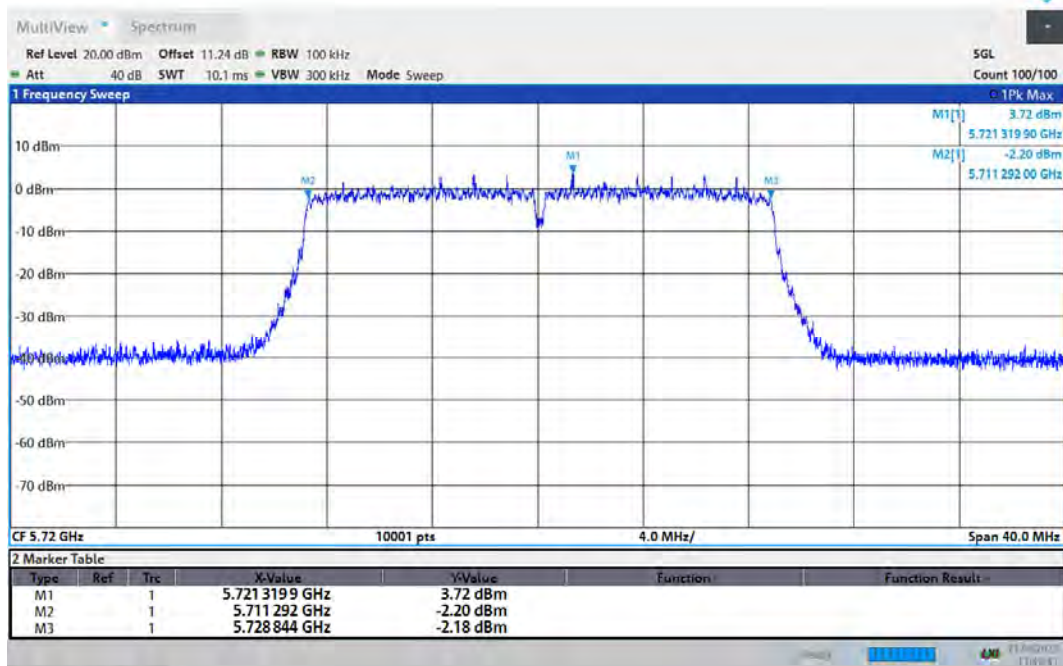
-6dB Bandwidth 802.11ax(HE80) 5690MHz



-6dB Bandwidth 802.11ax(HE80) 5775MHz

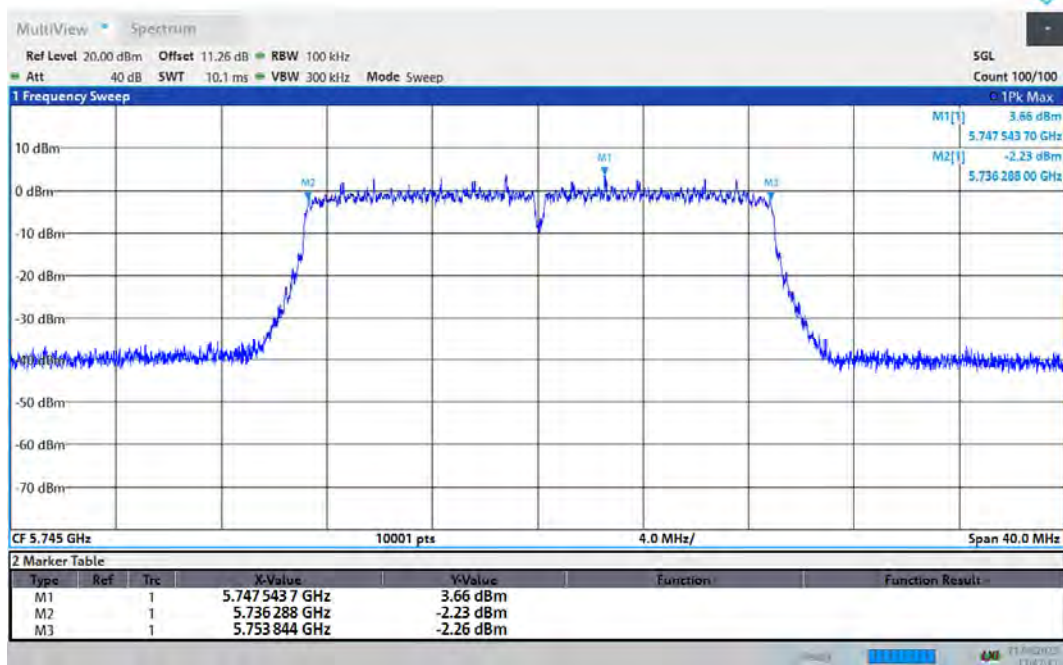


-6dB Bandwidth 802.11n(HT20) 5720MHz



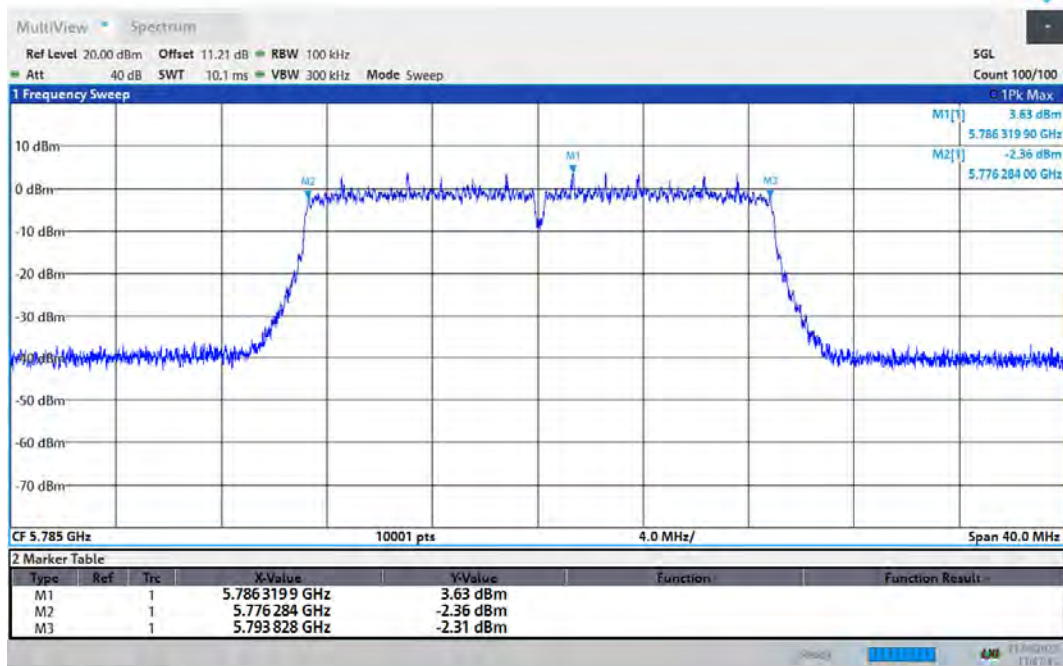
13:46:42 21.08.2023

-6dB Bandwidth 802.11n(HT20) 5745MHz

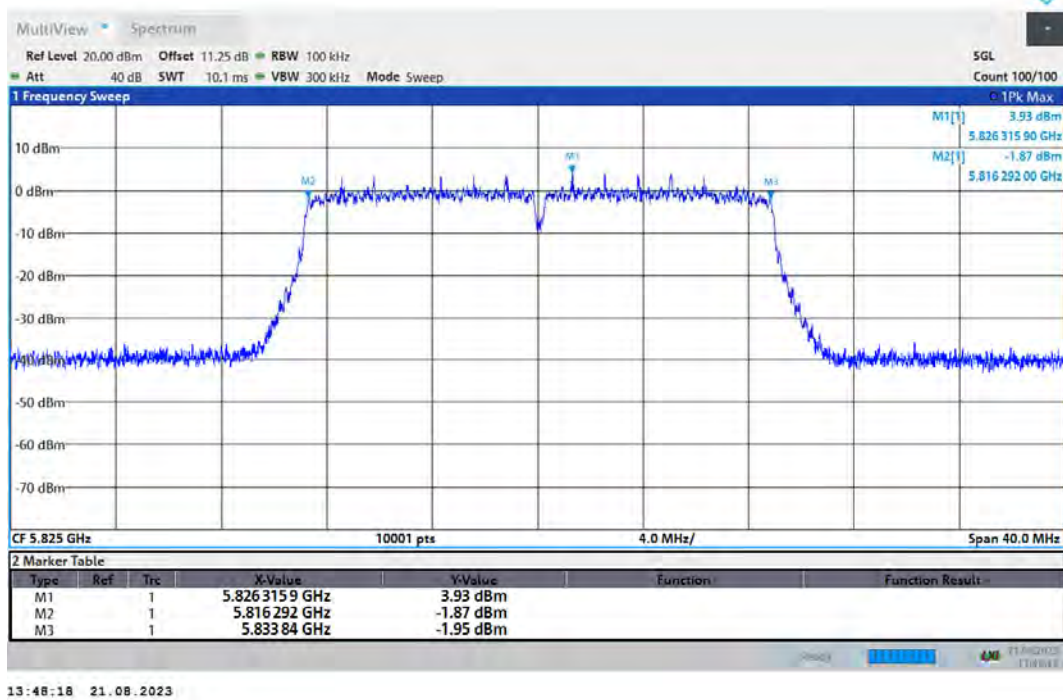


13:47:11 21.08.2023

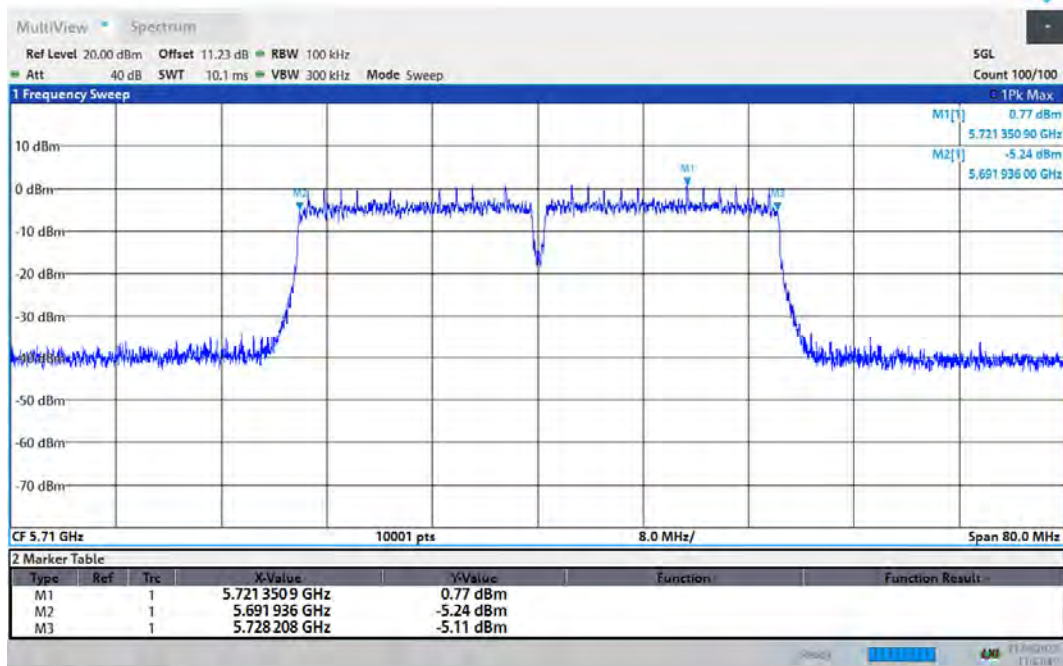
-6dB Bandwidth 802.11n(HT20) 5785MHz



-6dB Bandwidth 802.11n(HT20) 5825MHz

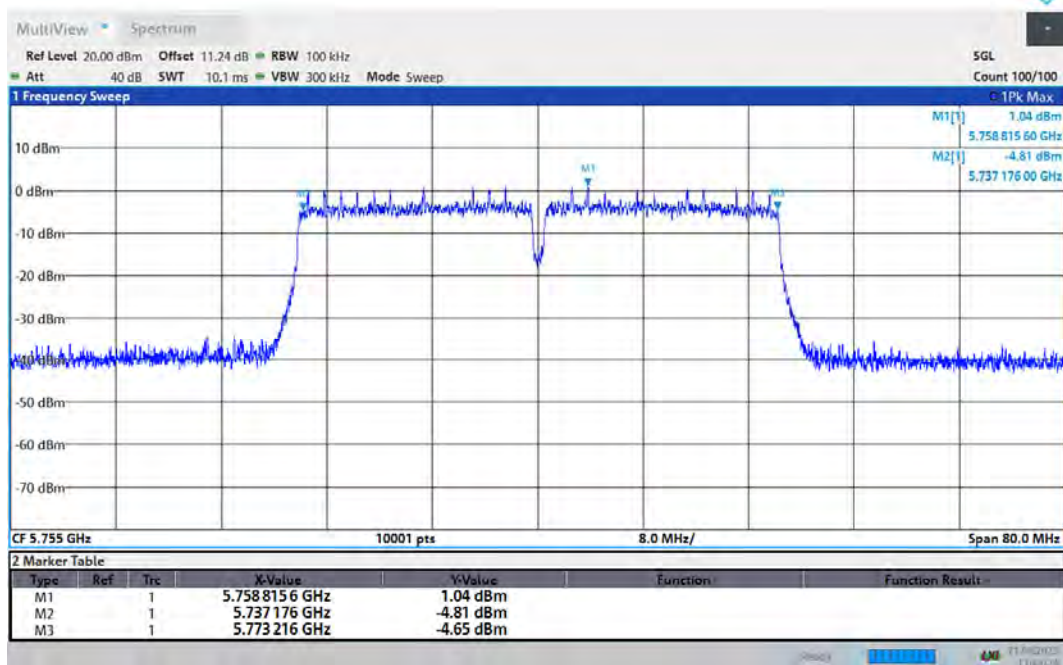


-6dB Bandwidth 802.11n(HT40) 5710MHz



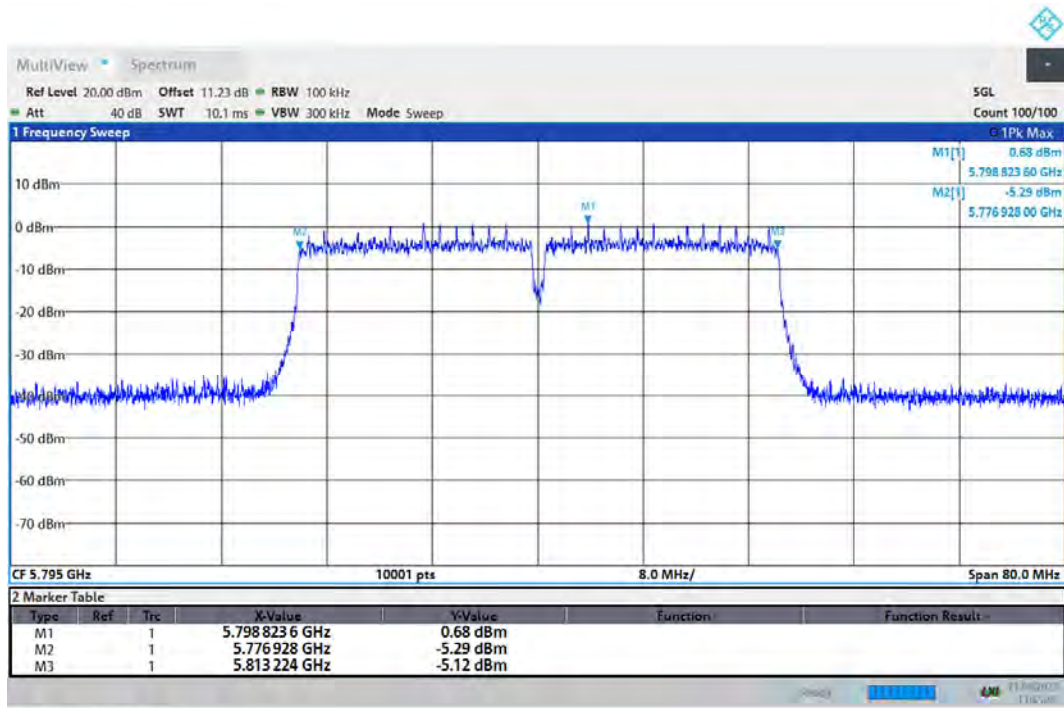
13:53:49 21.08.2023

-6dB Bandwidth 802.11n(HT40) 5755MHz



13:54:24 21.08.2023

-6dB Bandwidth 802.11n(HT40) 5795MHz



5.2. Average Power Output

Ambient condition

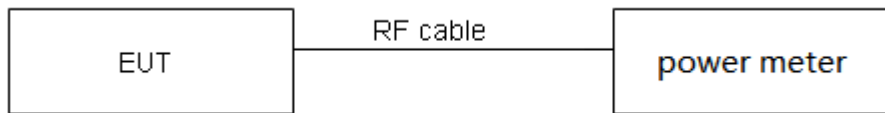
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

During the process of the testing, The EUT was connected to the average power meter through an external attenuator and a known loss cable. The EUT is max power transmission with proper modulation. We use Maximum average Conducted Output Power Level Method in KDB789033 for this test

The conducted Power is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Test Setup



Limits

Rule FCC Part 15.407(a)(1)(2)(3)

(1) For the band 5.15-5.25 GHz.

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23

dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.44 \text{ dB}$.

Test Results

Mode	Duty cycle	Duty cycle correction Factor (dB)
802.11a	0.964	0.16
802.11n HT20	0.962	0.17
802.11n HT40	0.925	0.34
802.11ac VHT20	0.962	0.17
802.11ac VHT40	0.926	0.33
802.11ac VHT80	0.862	0.65
802.11ax HE20	0.951	0.22
802.11ax HE40	0.911	0.40
802.11ax HE80	0.846	0.72
802.11ax HE160	0.764	1.17

Note: when Duty cycle ≥ 0.98 , Duty cycle correction Factor not required.

Test Mode		Channel/ Frequency (MHz)	B=26 dB bandwidth (MHz)	Limit 11 dBm + 10 log B (dBm)	Final Limit (dBm)
U-NII-2A	802.11a	52/5260	18.872	23.76<24	23.76
		60/5300	18.848	23.75<24	23.75
		64/5320	18.836	23.75<24	23.75
	802.11n HT20	52/5260	19.748	23.96<24	23.96
		60/5300	19.744	23.95<24	23.95
		64/5320	19.676	23.94<24	23.94
	802.11n HT40	54/5270	40.144	27.04>24	24.00
		62/5310	40.312	27.05>24	24.00
	802.11ac VHT20	52/5260	19.772	23.96<24	23.96
		60/5300	19.720	23.95<24	23.95
		64/5320	19.784	23.96<24	23.96
	802.11ac VHT40	54/5270	40.272	27.05>24	24.00
		62/5310	40.224	27.04>24	24.00
	802.11ac VHT80	58/5290	86.320	30.36>24	24.00
	802.11ax HE20	52/5260	20.452	24.11>24	24.00
		60/5300	20.452	24.11>24	24.00
64/5320		20.428	24.10>24	24.00	
802.11ax HE40	54/5270	40.808	27.11>24	24.00	
	62/5310	40.704	27.10>24	24.00	
802.11ax HE80	58/5290	82.400	30.16>24	24.00	
802.11ax HE160	50/5250	165.280	33.18>24	24.00	
U-NII-2C	802.11a	100/5500	18.928	23.77<24	23.77
		120/5600	18.904	23.77<24	23.77
		140/5700	18.912	23.77<24	23.77
		144/5720	18.920	23.77<24	23.77
	802.11n HT20	100/5500	19.704	23.95<24	23.95
		120/5600	19.656	23.93<24	23.93
		140/5700	19.636	23.93<24	23.93
		144/5720	19.604	23.92<24	23.92
	802.11n HT40	102/5510	40.168	27.04>24	24.00
		118/5590	40.296	27.05>24	24.00
		134/5670	40.248	27.05>24	24.00
		142/5710	40.312	27.05>24	24.00
	802.11ac VHT20	100/5500	19.648	23.93<24	23.93
120/5600		19.592	23.92<24	23.92	
140/5700		19.612	23.93<24	23.93	

		144/5720	19.600	23.92<24	23.92
	802.11ac VHT40	102/5510	40.248	27.05>24	24.00
		118/5590	40.216	27.04>24	24.00
		134/5670	40.264	27.05>24	24.00
		142/5710	40.272	27.05>24	24.00
		802.11ac VHT80	106/5530	86.800	30.39>24
	122/5610		86.656	30.38>24	24.00
	138/5690		87.040	30.40>24	24.00
	802.11ax HE20	100/5500	20.492	24.12>24	24.00
		120/5600	20.368	24.09>24	24.00
		140/5700	20.528	24.12>24	24.00
		144/5720	20.444	24.11>24	24.00
	802.11ax HE40	102/5510	40.256	27.05>24	24.00
		118/5590	40.168	27.04>24	24.00
		134/5670	40.288	27.05>24	24.00
		142/5710	40.152	27.04>24	24.00
	802.11ax HE80	106/5530	82.592	30.17>24	24.00
		122/5610	82.512	30.17>24	24.00
		138/5690	82.384	30.16>24	24.00
	802.11ax HE160	114/5570	165.152	33.18>24	24.00
Note: 250mW=24dBm					

Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor

MIMO
U-NII-1

Test Mode	Channel/ Frequency (MHz)	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	36/5180	19.52	19.68	19.15	19.31	22.51	30.00	PASS
	44/5220	22.55	22.71	22.00	22.16	25.46	30.00	PASS
	48/5240	22.71	22.87	21.54	21.70	25.33	30.00	PASS
802.11n HT20	36/5180	19.30	19.47	19.26	19.43	22.46	30.00	PASS
	44/5220	22.84	23.01	22.25	22.42	25.73	30.00	PASS
	48/5240	22.72	22.89	21.50	21.67	25.33	30.00	PASS
802.11n HT40	38/5190	15.89	16.23	15.44	15.78	19.02	30.00	PASS
	46/5230	22.42	22.76	21.70	22.04	25.42	30.00	PASS
802.11ac VHT20	36/5180	19.15	19.32	19.05	19.22	22.28	30.00	PASS
	44/5220	22.53	22.70	21.83	22.00	25.37	30.00	PASS
	48/5240	22.88	23.05	21.88	22.05	25.59	30.00	PASS
802.11ac VHT40	38/5190	15.65	15.98	15.39	15.72	18.86	30.00	PASS
	46/5230	22.22	22.55	21.43	21.76	25.18	30.00	PASS
802.11ac VHT80	42/5210	15.51	16.16	15.18	15.83	19.01	30.00	PASS
802.11ax HE20	36/5180	19.09	19.31	18.96	19.18	22.26	30.00	PASS
	44/5220	22.46	22.68	21.81	22.03	25.37	30.00	PASS
	48/5240	22.28	22.50	21.51	21.73	25.14	30.00	PASS
802.11ax HE40	38/5190	16.53	16.93	16.35	16.75	19.85	30.00	PASS
	46/5230	22.02	22.42	21.46	21.86	25.16	30.00	PASS
802.11ax HE80	42/5210	16.56	17.28	16.03	16.75	20.04	30.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

$$\text{The Total Power} = 10 \log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$$

2. The manufacturer declared that the directional gain = 5.16dBi<6dBi. So the power limit is 30dBm.

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	MIMO		MIMO		Total Power (dBm)	Limit (dBm)	Conclusion
		Antenna 1		Antenna 2				
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	52/5260	16.60	16.76	16.11	16.27	19.53	23.76	PASS
	60/5300	16.69	16.85	16.50	16.66	19.76	23.75	PASS
	64/5320	17.06	17.22	16.57	16.73	19.99	23.75	PASS
802.11n HT20	52/5260	17.12	17.29	16.61	16.78	20.05	23.96	PASS
	60/5300	16.69	16.86	16.63	16.80	19.84	23.95	PASS
	64/5320	17.01	17.18	16.58	16.75	19.98	23.94	PASS
802.11n HT40	54/5270	20.08	20.42	19.46	19.80	23.13	24.00	PASS
	62/5310	16.20	16.54	15.88	16.22	19.39	24.00	PASS
802.11ac VHT20	52/5260	16.84	17.01	16.58	16.75	19.89	23.96	PASS
	60/5300	16.61	16.78	16.34	16.51	19.66	23.95	PASS
	64/5320	16.82	16.99	16.43	16.60	19.81	23.96	PASS
802.11ac VHT40	54/5270	19.67	20.00	19.35	19.68	22.85	24.00	PASS
	62/5310	15.99	16.32	15.62	15.95	19.15	24.00	PASS
802.11ac VHT80	58/5290	17.36	18.01	16.99	17.64	20.84	24.00	PASS
802.11ax HE20	52/5260	16.84	17.06	16.43	16.65	19.87	24.00	PASS
	60/5300	16.97	17.19	16.68	16.90	20.06	24.00	PASS
	64/5320	16.76	16.98	16.26	16.48	19.75	24.00	PASS
802.11ax HE40	54/5270	19.54	19.94	19.30	19.70	22.83	24.00	PASS
	62/5310	17.62	18.02	17.27	17.67	20.85	24.00	PASS
802.11ax HE80	58/5290	17.29	18.01	16.92	17.64	20.84	24.00	PASS
802.11ax HE160	50/5250	15.21	16.38	14.61	15.78	19.10	24.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2. The manufacturer declared that the directional gain = 5.16dBi<6dBi.

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	MIMO		MIMO		Total Power (dBm)	Limit (dBm)	Conclusion
		Antenna 1		Antenna 2				
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	100/5500	16.47	16.63	16.68	16.84	19.75	23.77	PASS
	120/5600	16.58	16.74	16.60	16.76	19.76	23.77	PASS
	140/5700	16.45	16.61	16.44	16.60	19.62	23.77	PASS
	144/5720	15.54	15.70	15.46	15.62	18.67	23.77	PASS
802.11n HT20	100/5500	16.56	16.73	16.58	16.75	19.75	23.95	PASS
	120/5600	16.58	16.75	16.61	16.78	19.77	23.93	PASS
	140/5700	16.74	16.91	16.89	17.06	20.00	23.93	PASS
	144/5720	15.89	16.06	15.75	15.92	19.00	23.92	PASS
802.11n HT40	102/5510	14.90	15.24	14.91	15.25	18.25	24.00	PASS
	118/5590	19.89	20.23	19.87	20.21	23.23	24.00	PASS
	134/5670	18.17	18.51	18.11	18.45	21.49	24.00	PASS
	142/5710	19.16	19.50	19.12	19.46	22.49	24.00	PASS
802.11ac VHT20	100/5500	16.76	16.93	16.82	16.99	19.97	23.93	PASS
	120/5600	16.82	16.99	16.76	16.93	19.97	23.92	PASS
	140/5700	16.52	16.69	16.64	16.81	19.76	23.93	PASS
	144/5720	15.68	15.85	15.61	15.78	18.82	23.92	PASS
802.11ac VHT40	102/5510	14.26	14.59	14.57	14.90	17.76	24.00	PASS
	118/5590	19.28	19.61	19.43	19.76	22.69	24.00	PASS
	134/5670	19.09	19.42	19.27	19.60	22.52	24.00	PASS
	142/5710	19.12	19.45	19.17	19.50	22.48	24.00	PASS
802.11ac VHT80	106/5530	14.93	15.58	15.04	15.69	18.65	24.00	PASS
	122/5610	16.75	17.40	16.98	17.63	20.53	24.00	PASS
	138/5690	16.62	17.27	16.63	17.28	20.28	24.00	PASS
802.11ax HE20	100/5500	16.63	16.85	16.75	16.97	19.92	24.00	PASS
	120/5600	16.65	16.87	16.77	16.99	19.94	24.00	PASS
	140/5700	16.59	16.81	16.58	16.80	19.82	24.00	PASS
	144/5720	15.49	15.71	15.50	15.72	18.73	24.00	PASS
802.11ax HE40	102/5510	15.32	15.72	15.41	15.81	18.78	24.00	PASS
	118/5590	19.62	20.02	19.83	20.23	23.14	24.00	PASS
	134/5670	17.29	17.69	17.30	17.70	20.71	24.00	PASS
	142/5710	19.05	19.45	19.14	19.54	22.50	24.00	PASS
802.11ax HE80	106/5530	13.82	14.54	14.02	14.74	17.65	24.00	PASS
	122/5610	16.74	17.46	16.92	17.64	20.56	24.00	PASS
	138/5690	19.38	20.10	19.55	20.27	23.20	24.00	PASS

802.11ax HE160	114/5570	12.74	13.91	12.81	13.98	16.96	24.00	PASS
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Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$

2. The manufacturer declared that the directional gain = 5.16dBi < 6dBi.

U-NII-3

Test Mode	Channel/ Frequency (MHz)	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	144/5720	9.80	9.96	9.83	9.99	12.99	30.00	PASS
	149/5745	22.98	23.14	22.79	22.95	26.05	30.00	PASS
	157/5785	22.74	22.90	22.58	22.74	25.83	30.00	PASS
	165/5825	23.03	23.19	22.62	22.78	26.00	30.00	PASS
802.11n HT20	144/5720	10.62	10.79	10.65	10.82	13.81	30.00	PASS
	149/5745	22.13	22.30	21.85	22.02	25.17	30.00	PASS
	157/5785	21.87	22.04	21.67	21.84	24.95	30.00	PASS
	165/5825	22.15	22.32	21.76	21.93	25.14	30.00	PASS
802.11n HT40	142/5710	9.46	9.80	9.73	10.07	12.95	30.00	PASS
	151/5755	21.89	22.23	21.53	21.87	25.07	30.00	PASS
	159/5795	21.70	22.04	21.44	21.78	24.92	30.00	PASS
802.11ac VHT20	144/5720	10.47	10.64	10.55	10.72	13.69	30.00	PASS
	149/5745	22.06	22.23	21.86	22.03	25.14	30.00	PASS
	157/5785	21.74	21.91	21.66	21.83	24.88	30.00	PASS
	165/5825	22.05	22.22	21.71	21.88	25.06	30.00	PASS
802.11ac VHT40	142/5710	9.65	9.98	10.04	10.37	13.19	30.00	PASS
	151/5755	21.63	21.96	21.33	21.66	24.82	30.00	PASS
	159/5795	21.45	21.78	21.26	21.59	24.69	30.00	PASS
802.11ac VHT80	138/5690	4.14	4.79	4.42	5.07	7.94	30.00	PASS
	155/5775	18.47	19.12	18.21	18.86	22.00	30.00	PASS
802.11ax HE20	144/5720	10.82	11.04	10.77	10.99	14.02	30.00	PASS
	149/5745	21.96	22.18	21.83	22.05	25.12	30.00	PASS
	157/5785	21.72	21.94	21.49	21.71	24.83	30.00	PASS
	165/5825	22.02	22.24	21.58	21.80	25.03	30.00	PASS
802.11ax HE40	142/5710	10.32	10.72	10.53	10.93	13.84	30.00	PASS
	151/5755	20.66	21.06	20.41	20.81	23.94	30.00	PASS
	159/5795	20.57	20.97	20.37	20.77	23.88	30.00	PASS
802.11ax HE80	138/5690	7.42	8.14	7.85	8.57	11.37	30.00	PASS
	155/5775	18.48	19.20	18.22	18.94	22.08	30.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

$$\text{The Total Power} = 10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$$

2. The manufacturer declared that the directional gain = 5.16dBi<6dBi. So the power limit is 30dBm.

Beamforming U-NII-1

Test Mode	Channel/ Frequency (MHz)	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	36/5180	18.90	19.06	18.74	18.90	21.99	28.09	PASS
	44/5220	22.01	22.17	21.93	22.09	25.14	28.09	PASS
	48/5240	22.36	22.52	21.52	21.68	25.13	28.09	PASS
802.11n HT20	36/5180	18.81	18.98	18.57	18.74	21.87	28.09	PASS
	44/5220	22.48	22.65	21.73	21.90	25.30	28.09	PASS
	48/5240	22.37	22.54	21.19	21.36	25.00	28.09	PASS
802.11n HT40	38/5190	15.63	15.97	15.19	15.53	18.77	28.09	PASS
	46/5230	22.14	22.48	21.47	21.81	25.17	28.09	PASS
802.11ac VHT20	36/5180	18.61	18.78	18.53	18.70	21.75	28.09	PASS
	44/5220	22.22	22.39	21.80	21.97	25.20	28.09	PASS
	48/5240	22.67	22.84	21.82	21.99	25.44	28.09	PASS
802.11ac VHT40	38/5190	15.31	15.64	15.22	15.55	18.61	28.09	PASS
	46/5230	21.86	22.19	21.34	21.67	24.95	28.09	PASS
802.11ac VHT80	42/5210	15.03	15.68	14.68	15.33	18.52	28.09	PASS
802.11ax HE20	36/5180	18.58	18.80	18.47	18.69	21.75	28.09	PASS
	44/5220	22.23	22.45	21.80	22.02	25.25	28.09	PASS
	48/5240	22.06	22.28	21.15	21.37	24.86	28.09	PASS
802.11ax HE40	38/5190	16.24	16.64	16.16	16.56	19.61	28.09	PASS
	46/5230	21.77	22.17	21.25	21.65	24.93	28.09	PASS
802.11ax HE80	42/5210	15.98	16.70	15.64	16.36	19.54	28.09	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

$$\text{The Total Power} = 10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$$

2. The manufacturer declared that the directional gain = 7.91dBi>6dBi. So the power limit is Limit (dBm) - (directional gain-6 dBi).

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	MIMO		MIMO		Total Power (dBm)	Limit (dBm)	Conclusion
		Antenna 1		Antenna 2				
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	52/5260	16.18	16.34	15.62	15.78	19.08	21.85	PASS
	60/5300	16.21	16.37	15.99	16.15	19.27	21.84	PASS
	64/5320	16.46	16.62	16.14	16.30	19.47	21.84	PASS
802.11n HT20	52/5260	16.74	16.91	16.15	16.32	19.63	22.05	PASS
	60/5300	16.32	16.49	15.78	15.95	19.24	22.04	PASS
	64/5320	16.42	16.59	15.94	16.11	19.36	22.03	PASS
802.11n HT40	54/5270	18.80	19.14	18.13	18.47	21.83	22.09	PASS
	62/5310	16.09	16.43	15.34	15.68	19.08	22.09	PASS
802.11ac VHT20	52/5260	16.59	16.76	16.15	16.32	19.56	22.05	PASS
	60/5300	16.30	16.47	15.88	16.05	19.28	22.04	PASS
	64/5320	16.53	16.70	15.91	16.08	19.41	22.05	PASS
802.11ac VHT40	54/5270	18.41	18.74	18.03	18.36	21.56	22.09	PASS
	62/5310	15.62	15.95	15.28	15.61	18.80	22.09	PASS
802.11ac VHT80	58/5290	17.03	17.68	16.75	17.40	20.55	22.09	PASS
802.11ax HE20	52/5260	16.63	16.85	16.06	16.28	19.58	22.09	PASS
	60/5300	16.69	16.91	16.22	16.44	19.69	22.09	PASS
	64/5320	16.41	16.63	15.89	16.11	19.39	22.09	PASS
802.11ax HE40	54/5270	18.40	18.80	17.89	18.29	21.56	22.09	PASS
	62/5310	17.48	17.88	17.27	17.67	20.79	22.09	PASS
802.11ax HE80	58/5290	17.05	17.77	16.70	17.42	20.61	22.09	PASS
802.11ax HE160	50/5250	14.83	16.00	14.31	15.48	18.75	22.09	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10 \log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2. The manufacturer declared that the directional gain = 7.91dBi>6dBi. So the power limit is Limit (dBm) - (directional gain-6 dBi).

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	100/5500	15.99	16.15	15.94	16.10	19.13	21.86	PASS
	120/5600	15.83	15.99	15.66	15.82	18.92	21.86	PASS
	140/5700	15.91	16.07	15.60	15.76	18.93	21.86	PASS
	144/5720	15.03	15.19	14.55	14.71	17.97	21.86	PASS
802.11n HT20	100/5500	16.00	16.17	15.93	16.10	19.15	22.04	PASS
	120/5600	15.74	15.91	15.45	15.62	18.78	22.02	PASS
	140/5700	16.24	16.41	16.03	16.20	19.31	22.02	PASS
	144/5720	15.21	15.38	14.88	15.05	18.23	22.01	PASS
802.11n HT40	102/5510	14.28	14.62	14.15	14.49	17.56	22.09	PASS
	118/5590	18.54	18.88	18.62	18.96	21.93	22.09	PASS
	134/5670	17.58	17.92	17.39	17.73	20.84	22.09	PASS
	142/5710	18.48	18.82	18.29	18.63	21.74	22.09	PASS
802.11ac VHT20	100/5500	16.16	16.33	16.15	16.32	19.34	22.02	PASS
	120/5600	16.05	16.22	15.84	16.01	19.13	22.01	PASS
	140/5700	16.03	16.20	15.71	15.88	19.05	22.02	PASS
	144/5720	15.00	15.17	14.61	14.78	17.99	22.01	PASS
802.11ac VHT40	102/5510	13.91	14.24	13.79	14.12	17.19	22.09	PASS
	118/5590	18.77	19.10	18.67	19.00	22.06	22.09	PASS
	134/5670	18.76	19.09	18.57	18.90	22.00	22.09	PASS
	142/5710	18.70	19.03	18.45	18.78	21.92	22.09	PASS
802.11ac VHT80	106/5530	14.47	15.12	14.30	14.95	18.04	22.09	PASS
	122/5610	16.53	17.18	16.23	16.88	20.04	22.09	PASS
	138/5690	16.18	16.83	15.90	16.55	19.70	22.09	PASS
802.11ax HE20	100/5500	16.01	16.23	16.03	16.25	19.25	22.09	PASS
	120/5600	15.96	16.18	15.78	16.00	19.10	22.09	PASS
	140/5700	15.90	16.12	15.71	15.93	19.04	22.09	PASS
	144/5720	14.85	15.07	14.41	14.63	17.86	22.09	PASS
802.11ax HE40	102/5510	14.89	15.29	14.78	15.18	18.24	22.09	PASS
	118/5590	18.65	19.05	18.55	18.95	22.01	22.09	PASS
	134/5670	16.77	17.17	16.63	17.03	20.11	22.09	PASS
	142/5710	18.55	18.95	18.41	18.81	21.89	22.09	PASS
802.11ax HE80	106/5530	13.46	14.18	13.19	13.91	17.06	22.09	PASS
	122/5610	16.43	17.15	16.12	16.84	20.00	22.09	PASS
	138/5690	17.97	18.69	18.11	18.83	21.77	22.09	PASS
802.11ax HE160	114/5570	12.27	13.44	11.89	13.06	16.26	22.09	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10\log_{10}(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2. The manufacturer declared that the directional gain = 7.91dBi > 6dBi. So the power limit is Limit (dBm) - (directional gain - 6 dBi).

U-NII-3

Test Mode	Channel/ Frequency (MHz)	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11a	144/5720	9.82	9.98	9.69	9.85	12.92	28.09	PASS
	149/5745	23.06	23.22	22.58	22.74	26.00	28.09	PASS
	157/5785	22.78	22.94	22.37	22.53	25.75	28.09	PASS
	165/5825	23.04	23.20	22.38	22.54	25.89	28.09	PASS
802.11n HT20	144/5720	10.68	10.85	10.46	10.63	13.75	28.09	PASS
	149/5745	22.27	22.44	21.75	21.92	25.20	28.09	PASS
	157/5785	21.90	22.07	21.48	21.65	24.87	28.09	PASS
	165/5825	22.19	22.36	21.46	21.63	25.02	28.09	PASS
802.11n HT40	142/5710	9.34	9.68	9.35	9.69	12.70	28.09	PASS
	151/5755	21.85	22.19	21.19	21.53	24.88	28.09	PASS
	159/5795	21.68	22.02	21.18	21.52	24.79	28.09	PASS
802.11ac VHT20	144/5720	10.38	10.55	10.25	10.42	13.49	28.09	PASS
	149/5745	22.03	22.20	21.54	21.71	24.97	28.09	PASS
	157/5785	21.69	21.86	21.34	21.51	24.70	28.09	PASS
	165/5825	22.03	22.20	21.31	21.48	24.86	28.09	PASS
802.11ac VHT40	142/5710	9.51	9.84	9.59	9.92	12.89	28.09	PASS
	151/5755	21.56	21.89	20.97	21.30	24.62	28.09	PASS
	159/5795	21.49	21.82	20.97	21.30	24.58	28.09	PASS
802.11ac VHT80	138/5690	3.86	4.51	4.10	4.75	7.64	28.09	PASS
	155/5775	18.41	19.06	17.87	18.52	21.81	28.09	PASS
802.11ax HE20	144/5720	10.65	10.87	10.41	10.63	13.76	28.09	PASS
	149/5745	21.93	22.15	21.38	21.60	24.89	28.09	PASS
	157/5785	21.69	21.91	21.23	21.45	24.69	28.09	PASS
	165/5825	21.91	22.13	21.16	21.38	24.78	28.09	PASS
802.11ax HE40	142/5710	10.14	10.54	10.27	10.67	13.61	28.09	PASS
	151/5755	20.71	21.11	20.10	20.50	23.82	28.09	PASS
	159/5795	20.56	20.96	20.04	20.44	23.72	28.09	PASS
802.11ax HE80	138/5690	7.27	7.99	7.70	8.42	11.22	28.09	PASS
	155/5775	18.43	19.15	17.89	18.61	21.90	28.09	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10 \log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2. The manufacturer declared that the directional gain = 7.91dBi > 6dBi. So the power limit is Limit (dBm) - (directional gain - 6 dBi).

5.3. Frequency Stability

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

1. Frequency stability with respect to ambient temperature

- a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in 5.6.
- b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.
- c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.
- e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.
- f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.
- g) Measure the frequency at each of frequencies specified in 5.6.
- h) Switch OFF the EUT but do not switch OFF the oscillator heater.
- i) Lower the chamber temperature by not more than 10°C, and allow the temperature inside the chamber to stabilize.
- j) Repeat step f) through step i) down to the lowest specified temperature.

2. Frequency stability when varying supply voltage

Unless otherwise specified, these tests shall be made at ambient room temperature (+15°C to +25 °C). An antenna shall be connected to the antenna output terminals of the EUT if possible. If the EUT is equipped with or uses an adjustable-length antenna, then it shall be fully extended.

- a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.

- b) Tune the EUT to one of the number of frequencies required in 5.6. Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- c) Measure the frequency at each of the frequencies specified in 5.6.
- d) Repeat the above procedure at 85% and 115% of the nominal supply voltage.

Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 936\text{Hz}$

Test Results

Voltage (V)	Temperature (°C)	U-NII-1 Test Results			
		5200MHz			
		1min	2min	5min	10min
12	-20	5199.993636	5199.992011	5199.988925	5199.979159
12	-10	5199.991112	5199.989297	5199.984902	5199.975589
12	0	5199.988700	5199.988268	5199.977883	5199.972134
12	10	5199.981917	5199.987287	5199.976414	5199.969435
12	20	5199.974331	5199.983831	5199.968513	5199.960146
12	30	5199.973903	5199.974858	5199.960071	5199.959156
12	40	5199.964406	5199.966907	5199.958823	5199.952012
12	50	5199.957698	5199.960138	5199.955051	5199.950447
10	20	5199.953086	5199.959088	5199.947769	5199.945533
14	20	5199.947118	5199.951883	5199.939843	5199.938485
Max. ΔMHz		-0.052882	-0.048117	-0.060157	-0.061515
PPM		-10.169615	-9.253269	-11.568654	-11.829808

Voltage (V)	Temperature (°C)	U-NII-2A Test Results			
		5300MHz			
		1min	2min	5min	10min
12	-20	5300.001890	5300.001062	5299.996897	5299.987574
12	-10	5299.993975	5299.992935	5299.994372	5299.983820
12	0	5299.992464	5299.991260	5299.993122	5299.979218
12	10	5299.987320	5299.990993	5299.991110	5299.974862
12	20	5299.987302	5299.988518	5299.984070	5299.971644
12	30	5299.977731	5299.986353	5299.977487	5299.964630
12	40	5299.970349	5299.986284	5299.976041	5299.957051
12	50	5299.962751	5299.982960	5299.968610	5299.949928
10	20	5299.957832	5299.978401	5299.961492	5299.943559
14	20	5299.948522	5299.970363	5299.960966	5299.937091
Max. ΔMHz		-0.051478	-0.029637	-0.039034	-0.062909
PPM		-9.712830	-5.591887	-7.364906	-11.869623

Voltage (V)	Temperature (°C)	U-NII-2C Test Results			
		5580MHz			
		1min	2min	5min	10min
12	-20	5579.995722	5579.991582	5579.983884	5579.980885
12	-10	5579.992585	5579.985658	5579.980658	5579.980443
12	0	5579.989637	5579.978482	5579.974867	5579.971512
12	10	5579.989547	5579.974522	5579.968502	5579.967397
12	20	5579.983286	5579.972826	5579.959718	5579.959405
12	30	5579.977478	5579.968244	5579.954095	5579.951285
12	40	5579.973947	5579.958745	5579.953243	5579.950449
12	50	5579.970461	5579.958345	5579.944293	5579.943895
10	20	5579.961775	5579.955433	5579.940012	5579.939346
14	20	5579.952452	5579.949215	5579.930806	5579.936041
Max. ΔMHz		-0.047548	-0.050785	-0.069194	-0.063959
PPM		-8.521147	-9.101254	-12.400358	-11.462186

Voltage (V)	Temperature (°C)	U-NII-3 Test Results			
		5785MHz			
		1min	2min	5min	10min
12	-20	5785.004012	5784.999242	5784.992054	5784.990348
12	-10	5785.003997	5784.992834	5784.987549	5784.984581
12	0	5784.994075	5784.986333	5784.979780	5784.978845
12	10	5784.985300	5784.981396	5784.973581	5784.975551
12	20	5784.983434	5784.976689	5784.966261	5784.970125
12	30	5784.974815	5784.974919	5784.957948	5784.968198
12	40	5784.968740	5784.970792	5784.956429	5784.967646
12	50	5784.961832	5784.970672	5784.948855	5784.959998
10	20	5784.952348	5784.968289	5784.941962	5784.954877
14	20	5784.950875	5784.963932	5784.938482	5784.947915
12	-20	5785.004012	5784.999242	5784.992054	5784.990348
Max. ΔMHz		-0.049125	-0.036068	-0.061518	-0.052085
PPM		-8.491789	-6.234745	-10.634054	-9.003457

5.4. Power Spectral Density

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

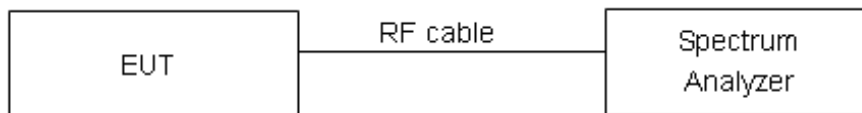
Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

Set RBW = 1MHz, VBW =3MHz for the band 5.150-5.250GHz, 5.250-5.350GHz, 5.470-5.725GHz.
Set RBW = 500kHz, VBW =2MHz for the band 5.725-5.850GHz

The conducted PSD is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Test setup



Limits

Rule FCC Part 15.407(a)(1)/ Part 15.407(a)(2) / Part 15.407(a)(3)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Frequency Bands/MHz	Limits
5150-5250	17dBm/MHz
5.25-5.35 GHz and 5.47-5.725 GHz	11dBm/MHz
5725-5850	30dBm/500kHz

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.75\text{dB}$.

Test Results:
MIMO
U-NII-1

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11a	36/5180	8.59	8.75	8.47	8.63	11.70	15.09	PASS
	40/5200	11.76	11.92	11.32	11.48	14.72	15.09	PASS
	48/5240	12.04	12.20	10.70	10.86	14.59	15.09	PASS
802.11n HT20	36/5180	8.41	8.58	8.31	8.48	11.54	15.09	PASS
	40/5200	11.74	11.91	10.96	11.13	14.55	15.09	PASS
	48/5240	11.73	11.90	10.42	10.59	14.30	15.09	PASS
802.11n HT40	38/5190	1.91	2.25	1.09	1.43	4.87	15.09	PASS
	46/5230	8.27	8.61	7.67	8.01	11.33	15.09	PASS
802.11ac VHT20	36/5180	8.09	8.26	8.44	8.61	11.45	15.09	PASS
	40/5200	11.62	11.79	11.13	11.30	14.56	15.09	PASS
	48/5240	11.80	11.97	10.86	11.03	14.54	15.09	PASS
802.11ac VHT40	38/5190	1.63	1.96	1.50	1.83	4.90	15.09	PASS
	46/5230	8.21	8.54	7.51	7.84	11.21	15.09	PASS
802.11ac VHT80	42/5210	-1.61	-0.96	-1.75	-1.10	1.98	15.09	PASS
802.11ax HE20	36/5180	7.95	8.17	7.90	8.12	11.15	15.09	PASS
	40/5200	11.52	11.74	10.96	11.18	14.48	15.09	PASS
	48/5240	11.49	11.71	10.61	10.83	14.30	15.09	PASS
802.11ax HE40	38/5190	2.37	2.77	2.29	2.69	5.74	15.09	PASS
	46/5230	8.04	8.44	7.39	7.79	11.14	15.09	PASS
802.11ax HE80	42/5210	-0.64	0.09	-0.35	0.37	3.24	15.09	PASS

Note: 1. Power Spectral Density = Read Value + Duty cycle correction factor

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density = $10 \log(10^{(\text{PSD antenna 1 in dBm}/10)} + 10^{(\text{PSD antenna 2 in dBm}/10)})$

3. The manufacturer declared that the directional gain = 7.91 dBi > 6 dBi.

So the PSD limit is 17 - (directional gain - 6 dBi) = 15.09 dBm.

U-NII-2A

Mode	Channel /Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11a	52/5260	5.73	5.89	5.31	5.47	8.69	9.09	PASS
	60/5300	5.92	6.08	5.66	5.82	8.96	9.09	PASS
	64/5320	6.11	6.27	5.68	5.84	9.07	9.09	PASS
802.11n HT20	52/5260	6.09	6.26	5.63	5.80	9.05	9.09	PASS
	60/5300	5.56	5.73	5.51	5.68	8.71	9.09	PASS
	64/5320	5.84	6.01	5.69	5.86	8.94	9.09	PASS
802.11n HT40	54/5270	5.83	6.17	5.49	5.83	9.01	9.09	PASS
	62/5310	2.40	2.74	1.77	2.11	5.45	9.09	PASS
802.11ac VHT20	52/5260	5.79	5.96	5.73	5.90	8.94	9.09	PASS
	60/5300	5.59	5.76	5.50	5.67	8.73	9.09	PASS
	64/5320	5.77	5.94	5.47	5.64	8.80	9.09	PASS
802.11ac VHT40	54/5270	5.51	5.52	5.31	5.64	8.59	9.09	PASS
	62/5310	2.05	2.38	1.68	2.01	5.21	9.09	PASS
802.11ac VHT80	58/5290	0.31	0.96	-0.04	0.61	3.80	9.09	PASS
802.11ax HE20	52/5260	5.71	5.93	5.77	5.99	8.97	9.09	PASS
	60/5300	6.03	6.25	5.58	5.80	9.04	9.09	PASS
	64/5320	5.55	5.77	5.34	5.56	8.68	9.09	PASS
802.11ax HE40	54/5270	5.58	5.98	5.50	5.90	8.95	9.09	PASS
	62/5310	3.59	3.99	3.21	3.61	6.82	9.09	PASS
802.11ax HE80	58/5290	0.62	1.34	-0.07	0.65	4.02	9.09	PASS
802.11ax HE160	50/5250	-4.46	-3.29	-4.88	-3.71	-0.48	9.09	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor
 2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),
 the power spectral density= $10\log(10^{(PSD\ antenna\ 1\ in\ dBm/10)}+10^{(PSD\ antenna\ 2\ in\ dBm/10)})$
 3. The manufacturer declared that the directional gain =7.91dBi>6dBi.
 So the PSD limit is 11- (directional gain-6 dBi) = 9.09dBm.

U-NII-2C

Mode	Channel /Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11a	100/5500	5.60	5.76	5.84	6.00	8.89	9.09	PASS
	120/5600	5.65	5.81	5.92	6.08	8.96	9.09	PASS
	140/5700	5.53	5.69	5.64	5.80	8.75	9.09	PASS
	144/5720	5.74	5.90	5.47	5.63	8.78	9.09	PASS
802.11n HT20	100/5500	5.39	5.56	5.43	5.60	8.59	9.09	PASS
	120/5600	5.63	5.80	5.32	5.49	8.65	9.09	PASS
	140/5700	5.73	5.90	5.98	6.15	9.04	9.09	PASS
	144/5720	5.86	6.03	5.70	5.87	8.96	9.09	PASS
802.11n HT40	102/5510	0.75	1.09	0.87	1.21	4.16	9.09	PASS
	118/5590	5.66	6.00	5.70	6.04	9.03	9.09	PASS
	134/5670	4.04	4.38	4.24	4.58	7.49	9.09	PASS
	142/5710	5.52	5.86	5.68	6.02	8.95	9.09	PASS
802.11ac VHT20	100/5500	5.77	5.94	5.85	6.02	8.99	9.09	PASS
	120/5600	5.72	5.89	5.85	6.02	8.97	9.09	PASS
	140/5700	5.66	5.83	5.67	5.84	8.84	9.09	PASS
	144/5720	5.80	5.97	5.69	5.86	8.92	9.09	PASS
802.11ac VHT40	102/5510	0.35	0.68	0.66	0.99	3.85	9.09	PASS
	118/5590	5.10	5.43	5.61	5.94	8.70	9.09	PASS
	134/5670	5.13	5.46	5.37	5.70	8.60	9.09	PASS
	142/5710	5.50	5.83	5.86	6.19	9.02	9.09	PASS
802.11ac VHT80	106/5530	-1.64	-0.99	-2.06	-1.41	1.82	9.09	PASS
	122/5610	-0.37	0.28	0.13	0.78	3.54	9.09	PASS
	138/5690	0.20	0.85	0.19	0.84	3.86	9.09	PASS
802.11ax HE20	100/5500	5.69	5.91	5.79	6.01	8.97	9.09	PASS
	120/5600	5.63	5.85	5.86	6.08	8.98	9.09	PASS
	140/5700	5.51	5.73	5.58	5.80	8.78	9.09	PASS
	144/5720	5.86	6.08	5.57	5.79	8.94	9.09	PASS
802.11ax HE40	102/5510	1.12	1.52	1.43	1.83	4.69	9.09	PASS
	118/5590	5.36	5.76	5.80	6.20	8.99	9.09	PASS
	134/5670	3.16	3.56	3.32	3.72	6.65	9.09	PASS
	142/5710	5.38	5.78	5.88	6.28	9.04	9.09	PASS
802.11ax HE80	106/5530	-3.06	-2.34	-2.64	-1.92	0.88	9.09	PASS
	122/5610	-0.29	0.43	0.23	0.95	3.71	9.09	PASS
	138/5690	1.86	2.58	2.23	2.95	5.78	9.09	PASS
802.11ax HE160	114/5570	-7.34	-6.17	-6.93	-5.76	-2.95	9.09	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density= $10\log(10^{(\text{PSD antenna 1 in dBm}/10)}+10^{(\text{PSD antenna 2 in dBm}/10)})$

3. The manufacturer declared that the directional gain =7.91dBi>6dBi.

So the PSD limit is 11- (directional gain-6 dBi) = 9.09dBm.

U-NII-3

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm/ 500kHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/ 500kHz)		
		Read Value (dBm/ 500kHz)	PSD (dBm/ 500kHz)	Read Value (dBm/ 500kHz)	PSD (dBm/ 500kHz)			
802.11a	144/5720	2.94	3.10	3.16	3.32	6.22	28.09	PASS
	149/5745	9.48	9.64	9.19	9.35	12.51	28.09	PASS
	157/5785	9.45	9.61	9.06	9.22	12.43	28.09	PASS
	165/5825	9.32	9.48	9.20	9.36	12.43	28.09	PASS
802.11n HT20	144/5720	3.10	3.27	3.28	3.45	6.37	28.09	PASS
	149/5745	8.24	8.41	7.96	8.13	11.28	28.09	PASS
	157/5785	7.90	8.07	7.95	8.12	11.11	28.09	PASS
	165/5825	8.52	8.69	7.83	8.00	11.37	28.09	PASS
802.11n HT40	142/5710	2.44	2.78	2.69	3.03	5.91	28.09	PASS
	151/5755	4.93	5.27	4.91	5.25	8.27	28.09	PASS
	159/5795	4.98	5.32	4.79	5.13	8.24	28.09	PASS
802.11ac VHT20	144/5720	3.17	3.34	3.07	3.24	6.30	28.09	PASS
	149/5745	8.17	8.34	8.04	8.21	11.28	28.09	PASS
	157/5785	7.97	8.14	8.21	8.38	11.27	28.09	PASS
	165/5825	8.29	8.46	8.13	8.30	11.39	28.09	PASS
802.11ac VHT40	142/5710	2.98	3.31	3.61	3.94	6.65	28.09	PASS
	151/5755	4.83	5.16	4.81	5.14	8.16	28.09	PASS
	159/5795	4.69	5.02	4.98	5.31	8.18	28.09	PASS
802.11ac VHT80	138/5690	-2.56	-1.91	-2.09	-1.44	1.34	28.09	PASS
	155/5775	-1.25	-0.60	-0.26	0.39	2.93	28.09	PASS
802.11ax HE20	144/5720	2.88	3.10	3.13	3.35	6.24	28.09	PASS
	149/5745	8.11	8.33	8.23	8.45	11.40	28.09	PASS
	157/5785	7.66	7.88	7.74	7.96	10.93	28.09	PASS
	165/5825	8.33	8.55	7.91	8.13	11.35	28.09	PASS
802.11ax HE40	142/5710	2.72	3.12	3.17	3.57	6.36	28.09	PASS
	151/5755	3.91	4.31	3.68	4.08	7.21	28.09	PASS
	159/5795	3.60	4.00	3.85	4.25	7.14	28.09	PASS
802.11ax HE80	138/5690	-0.01	0.71	1.28	2.00	4.41	28.09	PASS
	155/5775	-1.21	-0.49	-0.70	0.02	2.78	28.09	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor.

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density= $10\log(10^{(\text{PSD antenna 1 in dBm}/10)}+10^{(\text{PSD antenna 2 in dBm}/10)})$

3. The manufacturer declared that the directional gain =7.91dBi>6dBi.

So the PSD limit is 30 - (directional gain-6 dBi) = 28.09dBm.

Beamforming
U-NII-1

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11a	36/5180	8.06	8.22	8.31	8.47	11.36	15.09	PASS
	40/5200	11.25	11.41	11.17	11.33	14.38	15.09	PASS
	48/5240	11.70	11.86	10.79	10.95	14.44	15.09	PASS
802.11n HT20	36/5180	8.02	8.19	7.43	7.60	10.92	15.09	PASS
	40/5200	11.34	11.51	10.74	10.91	14.23	15.09	PASS
	48/5240	11.68	11.85	10.63	10.80	14.36	15.09	PASS
802.11n HT40	38/5190	2.01	2.35	1.25	1.59	5.00	15.09	PASS
	46/5230	8.10	8.44	7.36	7.70	11.10	15.09	PASS
802.11ac VHT20	36/5180	7.68	7.85	7.60	7.77	10.82	15.09	PASS
	40/5200	11.45	11.62	10.91	11.08	14.37	15.09	PASS
	48/5240	11.74	11.91	10.96	11.13	14.55	15.09	PASS
802.11ac VHT40	38/5190	1.25	1.58	1.46	1.79	4.70	15.09	PASS
	46/5230	7.98	8.31	7.59	7.92	11.13	15.09	PASS
802.11ac VHT80	42/5210	-2.11	-1.46	-2.20	-1.55	1.51	15.09	PASS
802.11ax HE20	36/5180	7.25	7.47	7.32	7.54	10.51	15.09	PASS
	40/5200	11.15	11.37	10.98	11.20	14.29	15.09	PASS
	48/5240	11.02	11.24	10.13	10.35	13.83	15.09	PASS
802.11ax HE40	38/5190	2.37	2.77	2.31	2.71	5.75	15.09	PASS
	46/5230	7.67	8.07	7.41	7.81	10.95	15.09	PASS
802.11ax HE80	42/5210	-1.11	-0.39	-1.03	-0.31	2.66	15.09	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density= $10\log(10^{(\text{PSD antenna 1 in dBm}/10)}+10^{(\text{PSD antenna 2 in dBm}/10)})$

3. The manufacturer declared that the directional gain =7.91dBi>6dBi.

So the PSD limit is 17- (directional gain-6 dBi) = 15.09dBm.

U-NII-2A

Mode	Channel /Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11a	52/5260	5.28	5.44	4.88	5.04	8.25	9.09	PASS
	60/5300	5.40	5.56	5.33	5.49	8.54	9.09	PASS
	64/5320	5.61	5.77	5.46	5.62	8.71	9.09	PASS
802.11n HT20	52/5260	5.57	5.74	5.22	5.39	8.58	9.09	PASS
	60/5300	5.26	5.43	4.74	4.91	8.19	9.09	PASS
	64/5320	5.48	5.65	5.18	5.35	8.52	9.09	PASS
802.11n HT40	54/5270	4.72	5.06	4.23	4.57	7.84	9.09	PASS
	62/5310	1.99	2.33	1.40	1.74	5.05	9.09	PASS
802.11ac VHT20	52/5260	5.65	5.82	5.15	5.32	8.59	9.09	PASS
	60/5300	5.43	5.60	4.94	5.11	8.37	9.09	PASS
	64/5320	5.62	5.79	4.99	5.16	8.50	9.09	PASS
802.11ac VHT40	54/5270	4.51	5.52	4.15	4.48	8.04	9.09	PASS
	62/5310	1.78	2.11	1.56	1.89	5.01	9.09	PASS
802.11ac VHT80	58/5290	0.19	0.84	0.05	0.70	3.78	9.09	PASS
802.11ax HE20	52/5260	5.45	5.67	4.93	5.15	8.43	9.09	PASS
	60/5300	5.80	6.02	5.12	5.34	8.70	9.09	PASS
	64/5320	5.62	5.84	4.86	5.08	8.49	9.09	PASS
802.11ax HE40	54/5270	4.39	4.79	3.80	4.20	7.52	9.09	PASS
	62/5310	3.52	3.92	3.39	3.79	6.86	9.09	PASS
802.11ax HE80	58/5290	0.30	1.02	-0.13	0.59	3.82	9.09	PASS
802.11ax HE160	50/5250	-5.06	-3.89	-5.11	-3.94	-0.90	9.09	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor
 2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),
 the power spectral density= $10\log(10^{(PSD \text{ antenna 1 in dBm/10})}+10^{(PSD \text{ antenna 2 in dBm/10})})$
 3. The manufacturer declared that the directional gain =7.91dBi>6dBi.
 So the PSD limit is 11- (directional gain-6 dBi) = 9.09dBm.

U-NII-2C

Mode	Channel /Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11a	100/5500	5.24	5.40	5.12	5.28	8.35	9.09	PASS
	120/5600	5.05	5.21	4.88	5.04	8.14	9.09	PASS
	140/5700	5.16	5.32	4.71	4.87	8.11	9.09	PASS
	144/5720	5.03	5.19	4.64	4.80	8.01	9.09	PASS
802.11n HT20	100/5500	5.04	5.21	4.98	5.15	8.19	9.09	PASS
	120/5600	4.61	4.78	4.53	4.70	7.75	9.09	PASS
	140/5700	5.18	5.35	4.97	5.14	8.25	9.09	PASS
	144/5720	5.23	5.40	4.85	5.02	8.22	9.09	PASS
802.11n HT40	102/5510	0.13	0.47	-0.03	0.31	3.40	9.09	PASS
	118/5590	4.45	4.79	4.54	4.88	7.84	9.09	PASS
	134/5670	3.53	3.87	3.38	3.72	6.80	9.09	PASS
	142/5710	4.88	5.22	4.64	4.98	8.11	9.09	PASS
802.11ac VHT20	100/5500	5.21	5.38	5.17	5.34	8.37	9.09	PASS
	120/5600	4.98	5.15	5.06	5.23	8.20	9.09	PASS
	140/5700	4.97	5.14	4.88	5.05	8.11	9.09	PASS
	144/5720	5.25	5.42	4.77	4.94	8.20	9.09	PASS
802.11ac VHT40	102/5510	-0.16	0.17	0.10	0.43	3.31	9.09	PASS
	118/5590	4.86	5.19	4.81	5.14	8.17	9.09	PASS
	134/5670	4.74	5.07	4.61	4.94	8.01	9.09	PASS
	142/5710	5.07	5.40	5.10	5.43	8.42	9.09	PASS
802.11ac VHT80	106/5530	-2.46	-1.81	-2.41	-1.76	1.23	9.09	PASS
	122/5610	-0.68	-0.03	-0.54	0.11	3.05	9.09	PASS
	138/5690	-0.68	-0.03	-0.54	0.11	3.05	9.09	PASS
802.11ax HE20	100/5500	4.94	5.16	4.80	5.02	8.10	9.09	PASS
	120/5600	4.94	5.16	4.73	4.95	8.06	9.09	PASS
	140/5700	5.24	5.46	4.86	5.08	8.28	9.09	PASS
	144/5720	4.92	5.14	4.47	4.69	7.93	9.09	PASS
802.11ax HE40	102/5510	0.82	1.22	0.72	1.12	4.18	9.09	PASS
	118/5590	4.52	4.92	4.91	5.31	8.13	9.09	PASS
	134/5670	3.00	3.40	2.54	2.94	6.18	9.09	PASS
	142/5710	5.05	5.45	4.86	5.26	8.37	9.09	PASS
802.11ax HE80	106/5530	-3.42	-2.70	-3.13	-2.41	0.46	9.09	PASS
	122/5610	-0.78	-0.06	-0.68	0.04	3.00	9.09	PASS
	138/5690	1.25	1.97	2.03	2.75	5.39	9.09	PASS
802.11ax HE160	114/5570	-7.41	-6.24	-7.49	-6.32	-3.27	9.09	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density= $10\log(10^{(\text{PSD antenna 1 in dBm}/10)}+10^{(\text{PSD antenna 2 in dBm}/10)})$

3. The manufacturer declared that the directional gain =7.91dBi>6dBi.

So the PSD limit is 11- (directional gain-6 dBi) = 9.09dBm.

U-NII-3

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm/ 500kHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/ 500kHz)		
		Read Value (dBm/ 500kHz)	PSD (dBm/ 500kHz)	Read Value (dBm/ 500kHz)	PSD (dBm/ 500kHz)			
802.11a	144/5720	2.83	2.99	2.73	2.89	5.95	28.09	PASS
	149/5745	9.38	9.54	8.89	9.05	12.31	28.09	PASS
	157/5785	9.38	9.54	8.79	8.95	12.27	28.09	PASS
	165/5825	9.54	9.70	8.64	8.80	12.28	28.09	PASS
802.11n HT20	144/5720	3.23	3.40	2.96	3.13	6.28	28.09	PASS
	149/5745	8.34	8.51	7.91	8.08	11.31	28.09	PASS
	157/5785	8.00	8.17	7.69	7.86	11.03	28.09	PASS
	165/5825	8.27	8.44	7.58	7.75	11.12	28.09	PASS
802.11n HT40	142/5710	2.23	2.57	2.69	3.03	5.82	28.09	PASS
	151/5755	5.04	5.38	4.33	4.67	8.05	28.09	PASS
	159/5795	4.81	5.15	4.60	4.94	8.06	28.09	PASS
802.11ac VHT20	144/5720	3.08	3.25	2.97	3.14	6.21	28.09	PASS
	149/5745	8.27	8.44	8.00	8.17	11.32	28.09	PASS
	157/5785	7.92	8.09	7.74	7.91	11.01	28.09	PASS
	165/5825	8.04	8.21	7.49	7.66	10.95	28.09	PASS
802.11ac VHT40	142/5710	2.96	3.29	3.39	3.72	6.52	28.09	PASS
	151/5755	4.85	5.18	4.36	4.69	7.95	28.09	PASS
	159/5795	4.67	5.00	4.54	4.87	7.95	28.09	PASS
802.11ac VHT80	138/5690	-3.05	-2.40	-2.58	-1.93	0.85	28.09	PASS
	155/5775	-1.29	-0.64	-0.01	0.64	3.06	28.09	PASS
802.11ax HE20	144/5720	2.89	3.11	2.86	3.08	6.11	28.09	PASS
	149/5745	7.93	8.15	8.05	8.27	11.22	28.09	PASS
	157/5785	7.82	8.04	7.60	7.82	10.94	28.09	PASS
	165/5825	8.14	8.36	7.53	7.75	11.07	28.09	PASS
802.11ax HE40	142/5710	2.56	2.96	3.13	3.53	6.26	28.09	PASS
	151/5755	3.90	4.30	3.51	3.91	7.12	28.09	PASS
	159/5795	3.74	4.14	3.61	4.01	7.09	28.09	PASS
802.11ax HE80	138/5690	-0.01	0.71	0.27	0.99	3.86	28.09	PASS
	155/5775	-1.30	-0.58	-0.81	-0.09	2.68	28.09	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor.

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

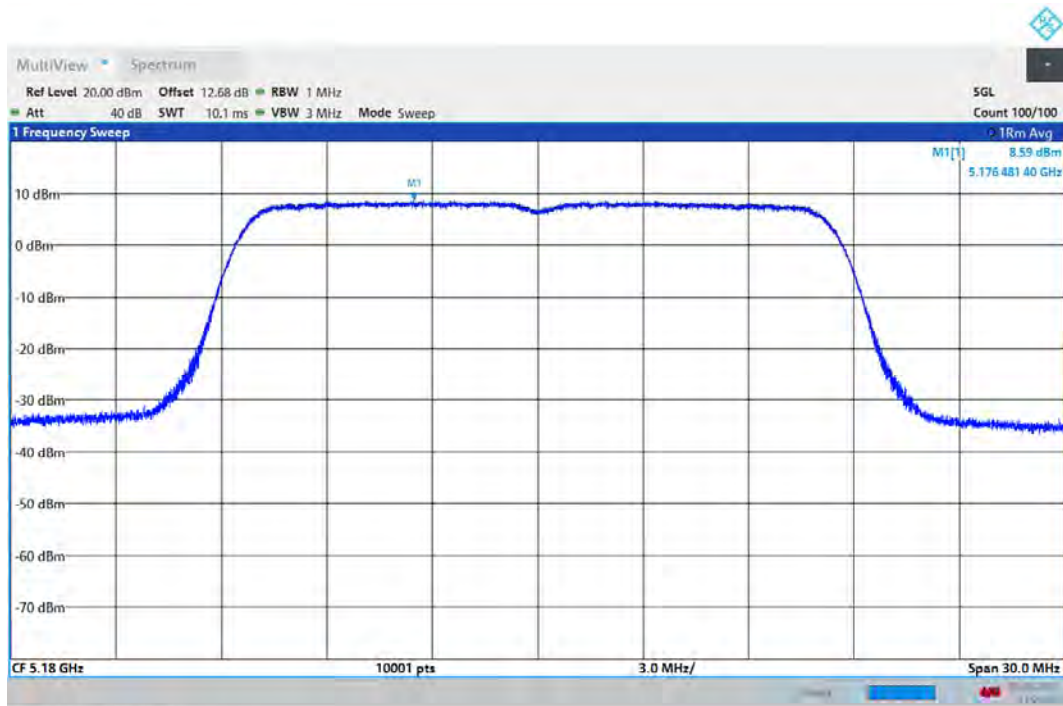
the power spectral density= $10\log(10^{(\text{PSD antenna 1 in dBm}/10)}+10^{(\text{PSD antenna 2 in dBm}/10)})$

3. The manufacturer declared that the directional gain =7.91dBi>6dBi.

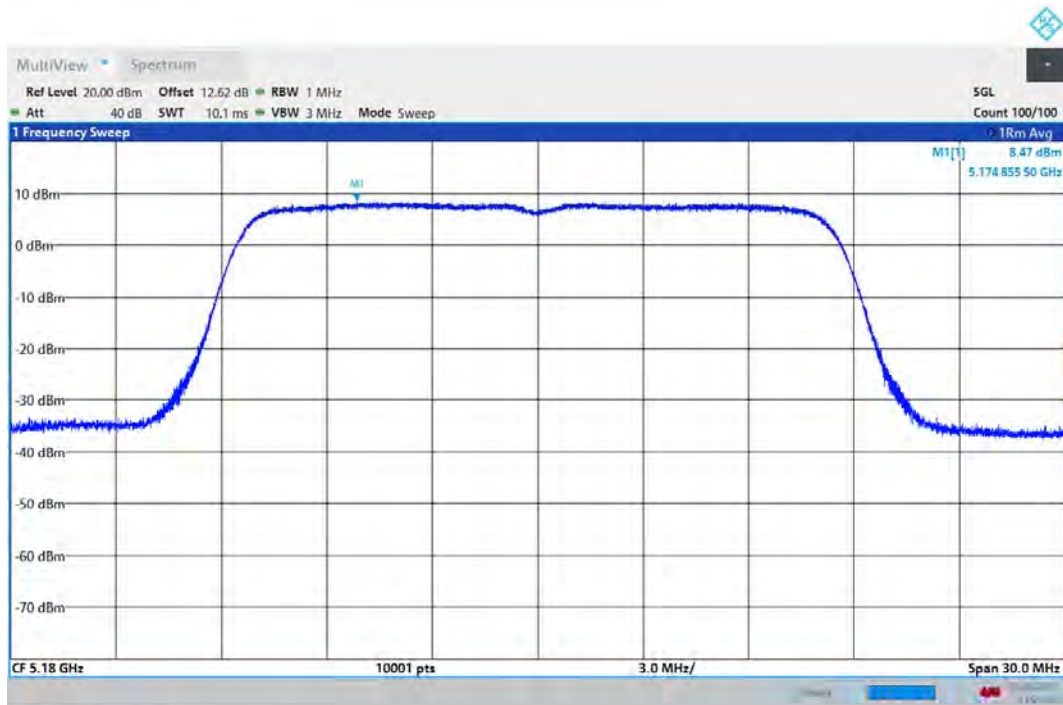
So the PSD limit is 30 - (directional gain-6 dBi) = 28.09dBm.

MIMO
U-NII-1

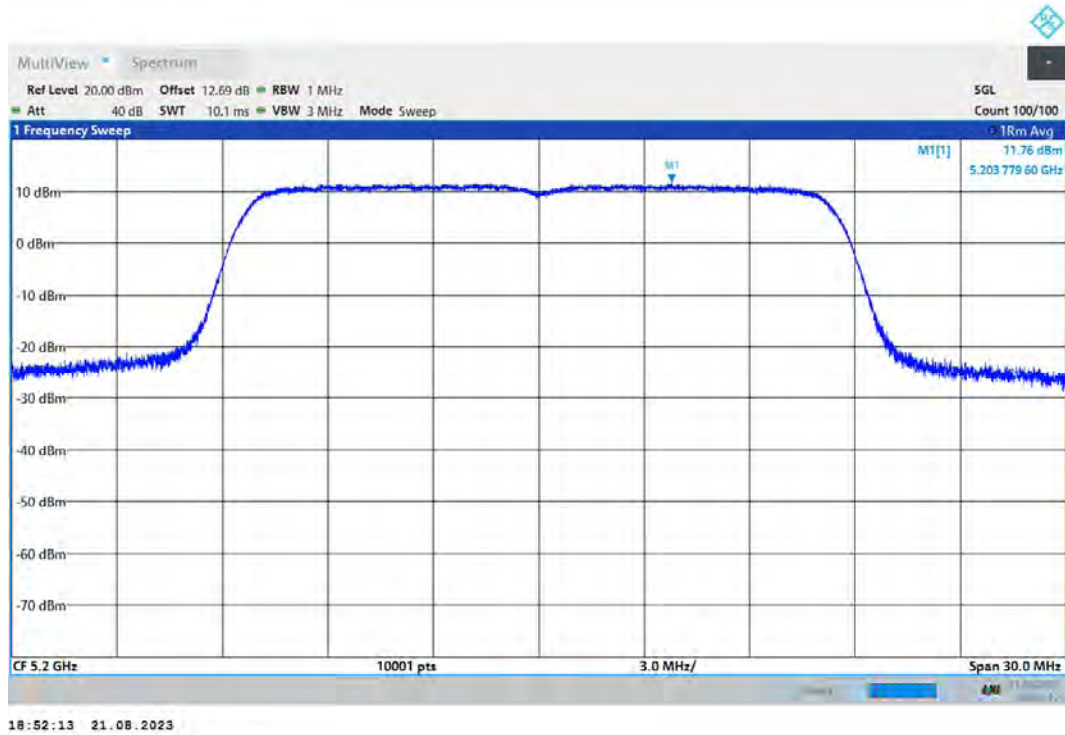
PSD 802.11a 5180MHz Ant1



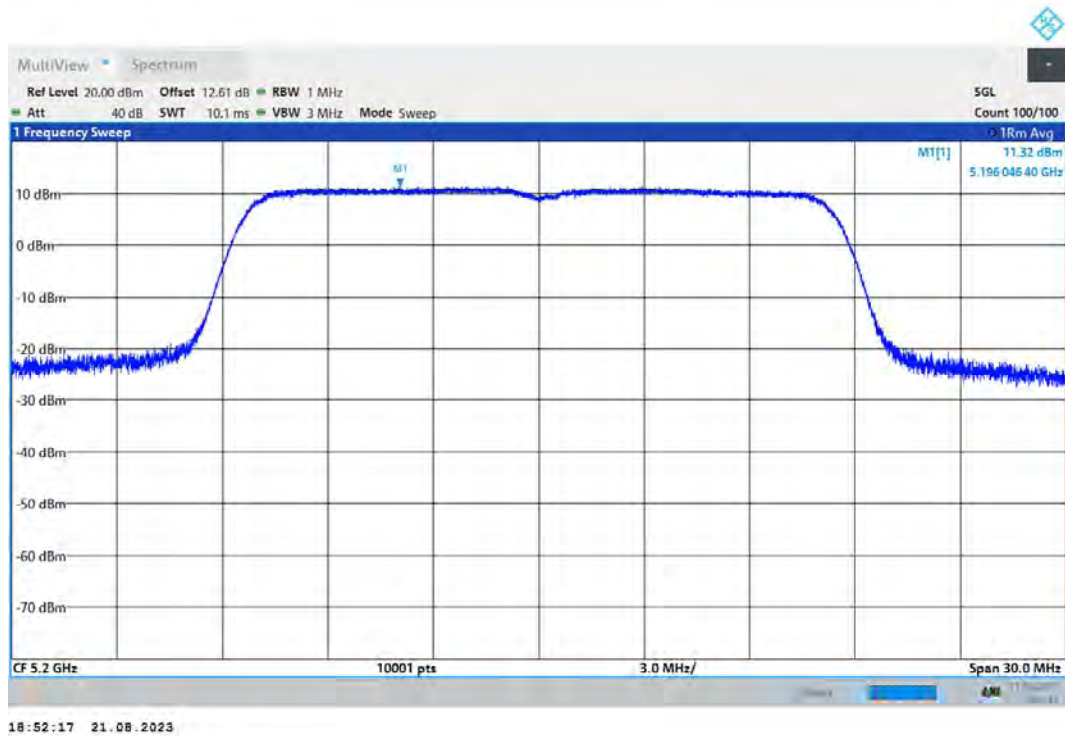
PSD 802.11a 5180MHz Ant2



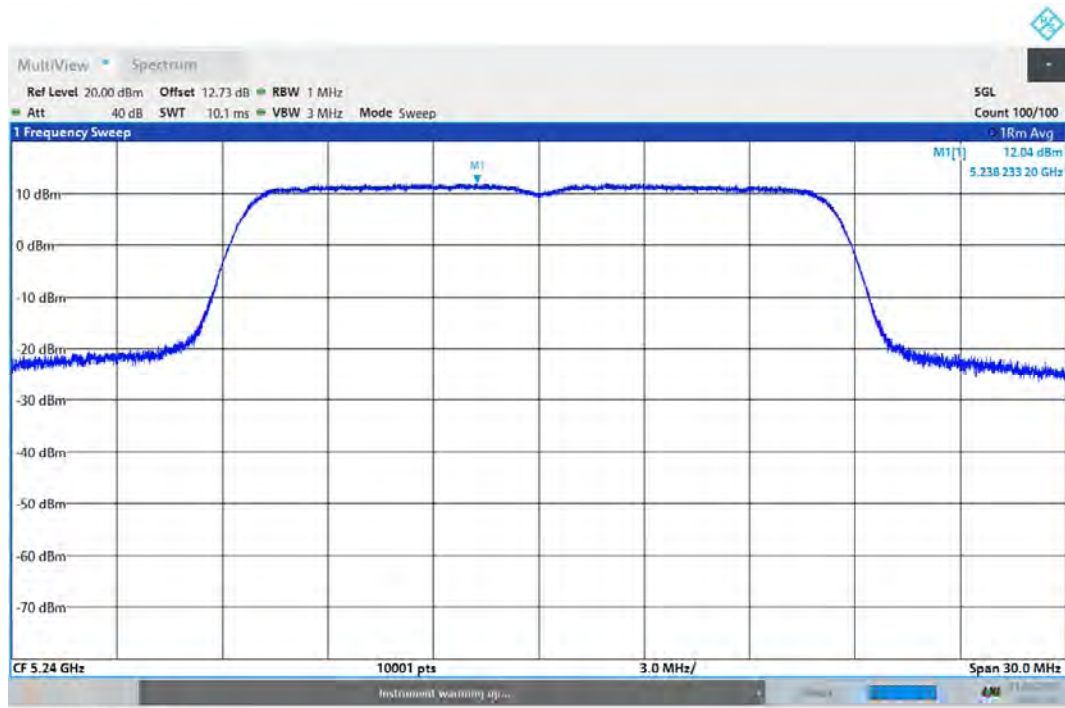
PSD 802.11a 5200MHz Ant1



PSD 802.11a 5200MHz Ant2

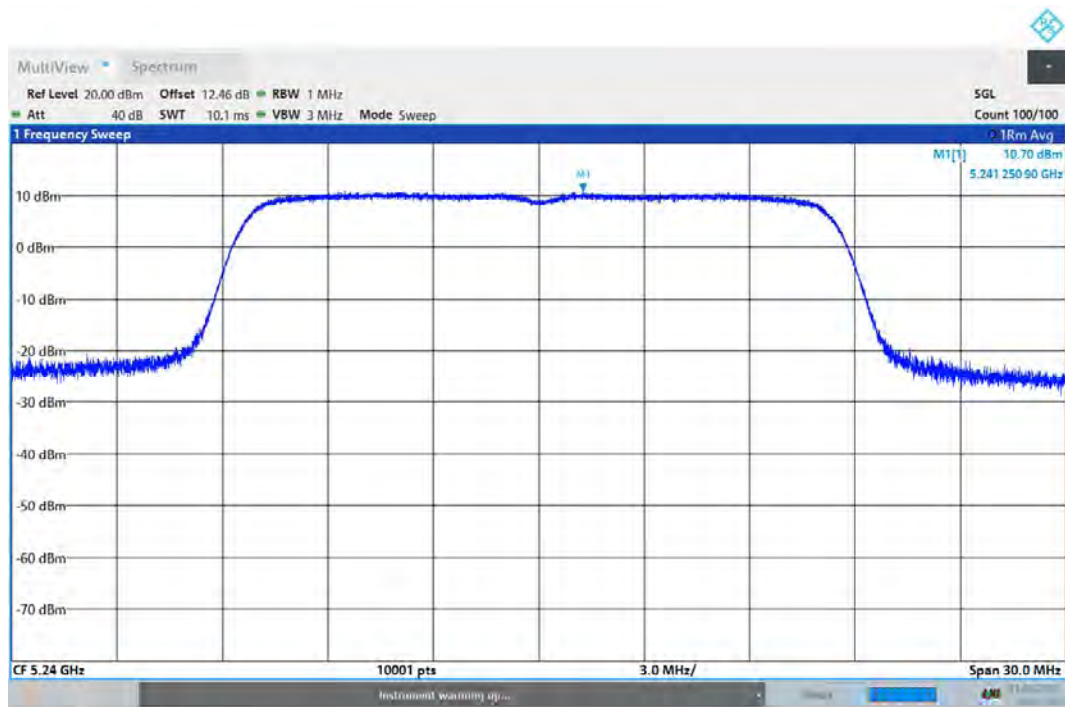


PSD 802.11a 5240MHz Ant1



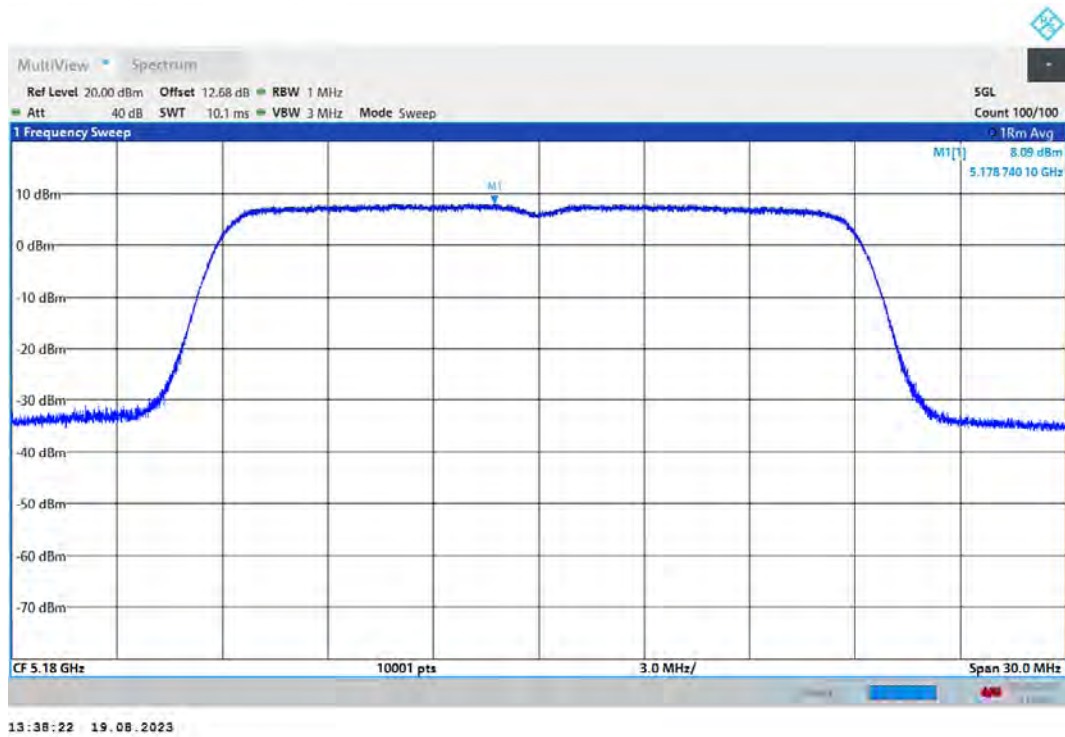
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PSD 802.11a 5240MHz Ant2

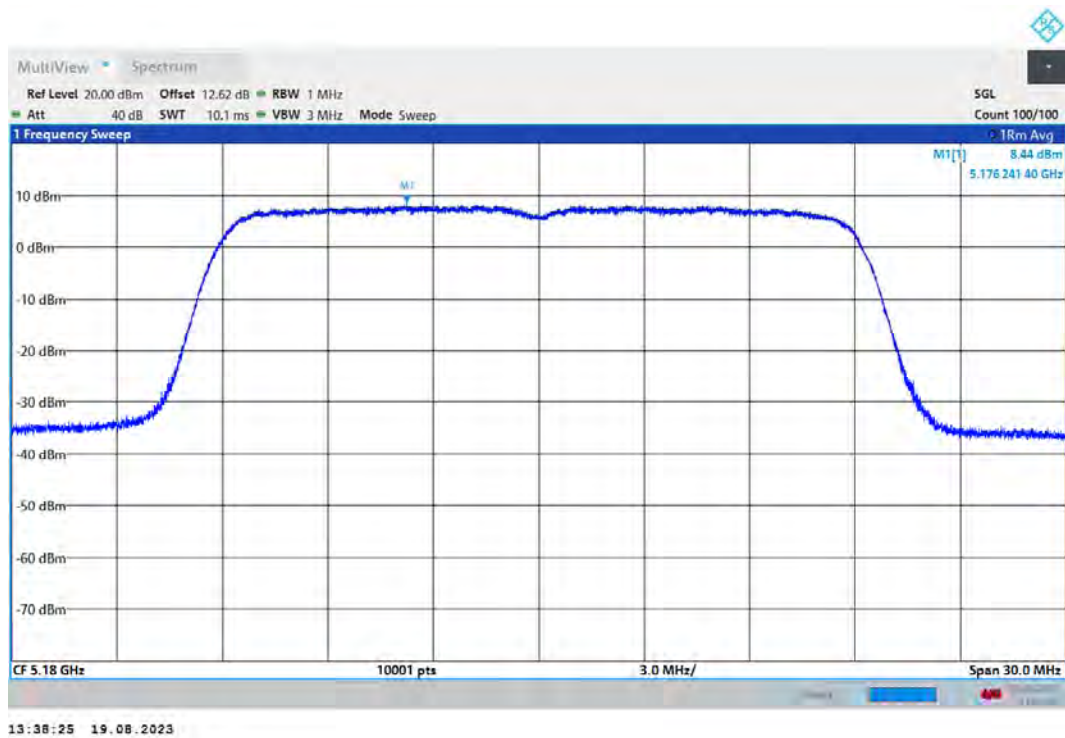


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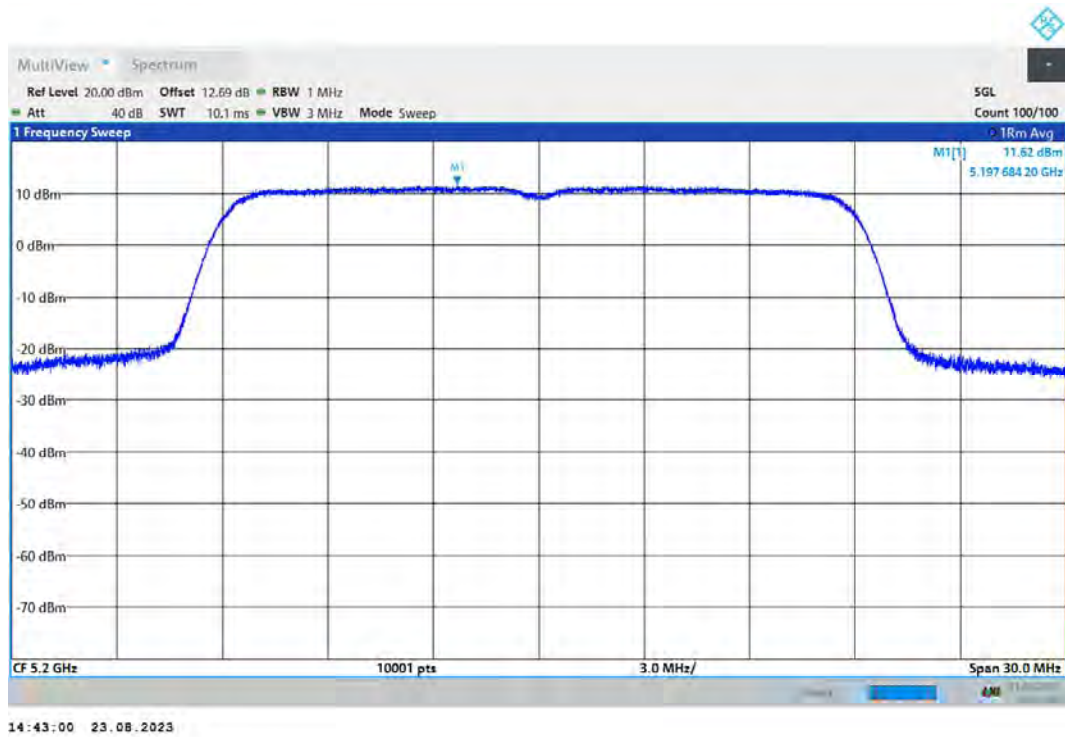
PSD 802.11ac(VHT20) 5180MHz Ant1



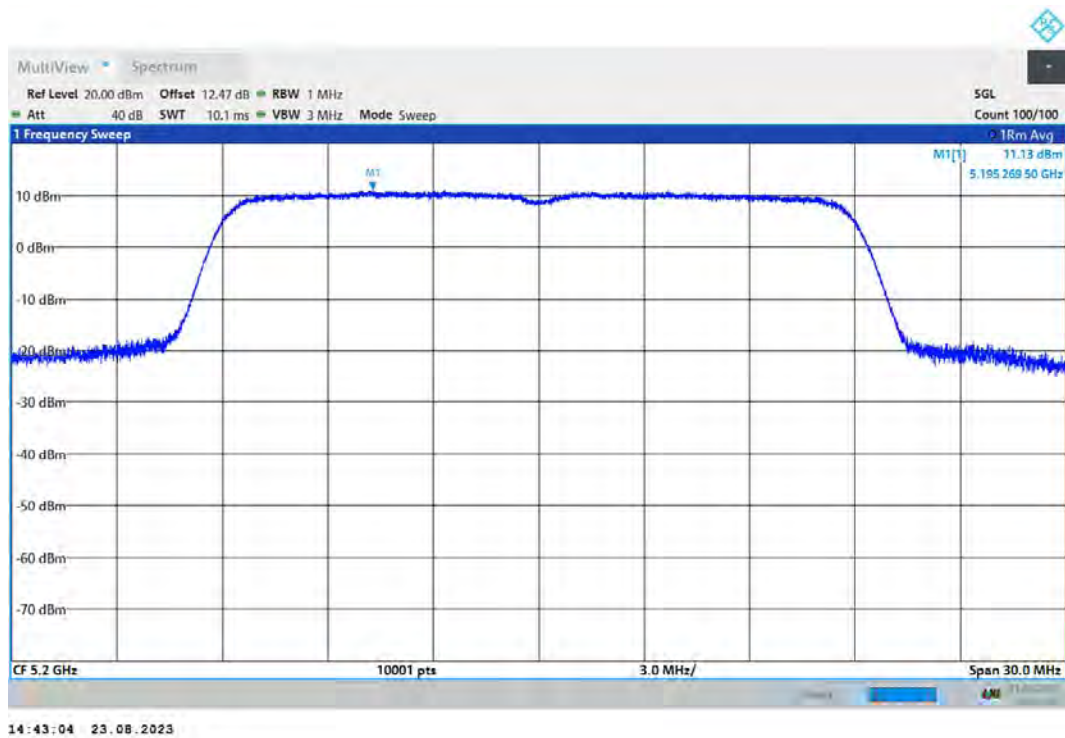
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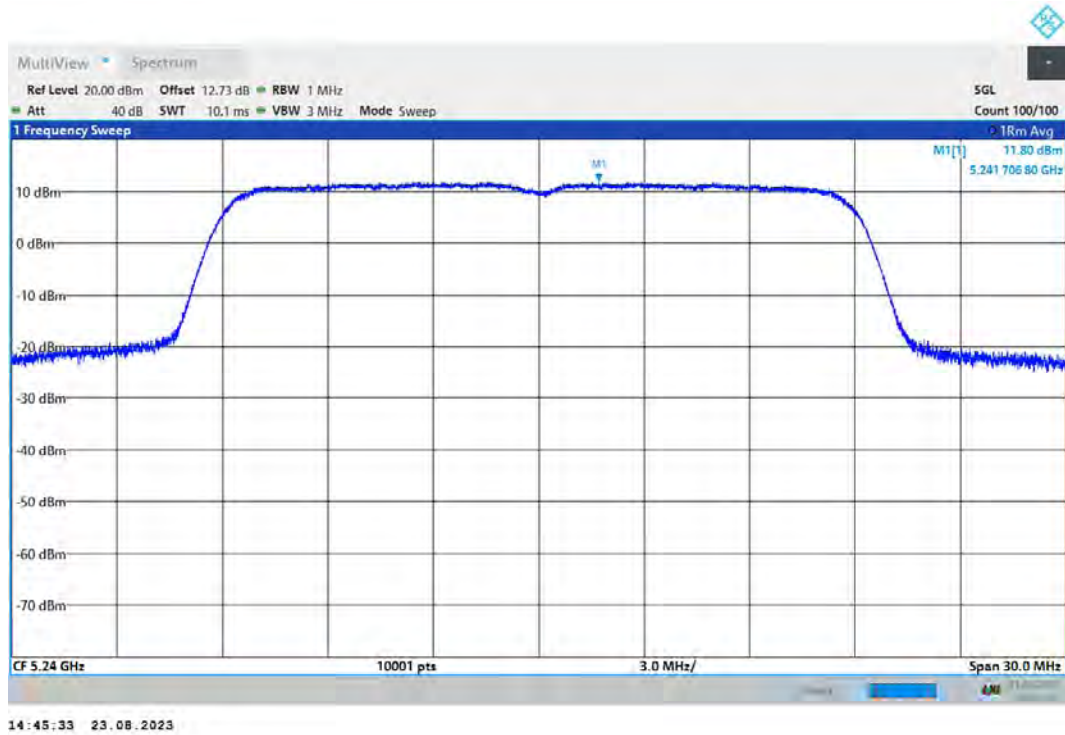
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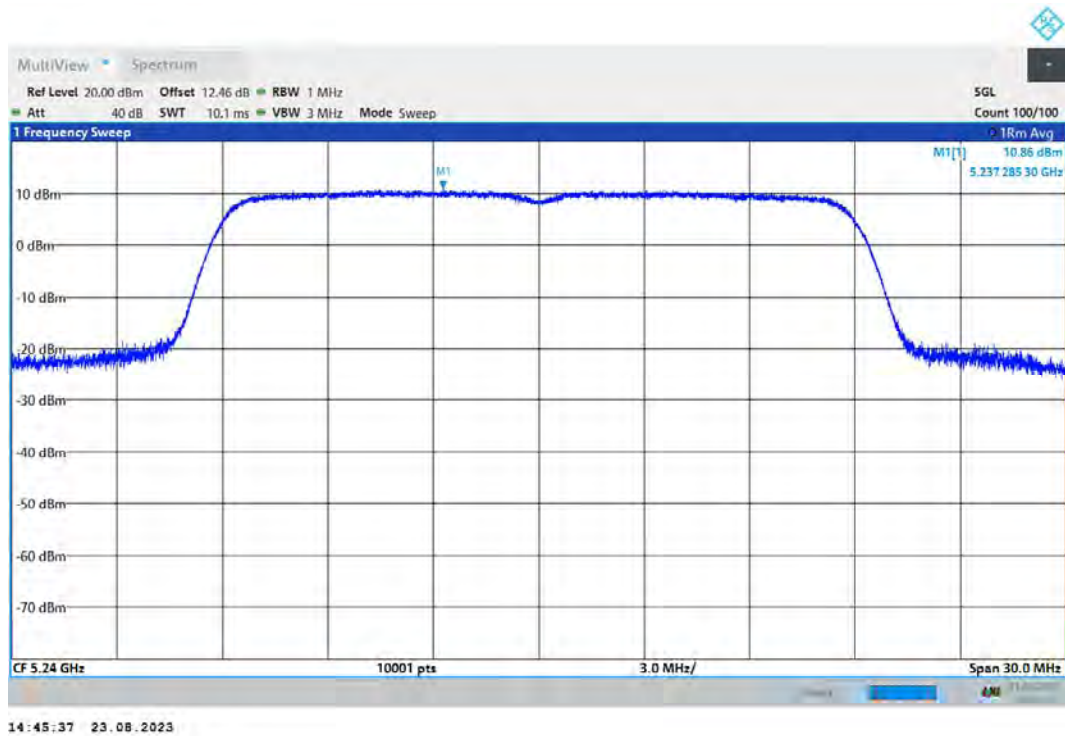
PSD 802.11ac(VHT20) 5200MHz Ant2



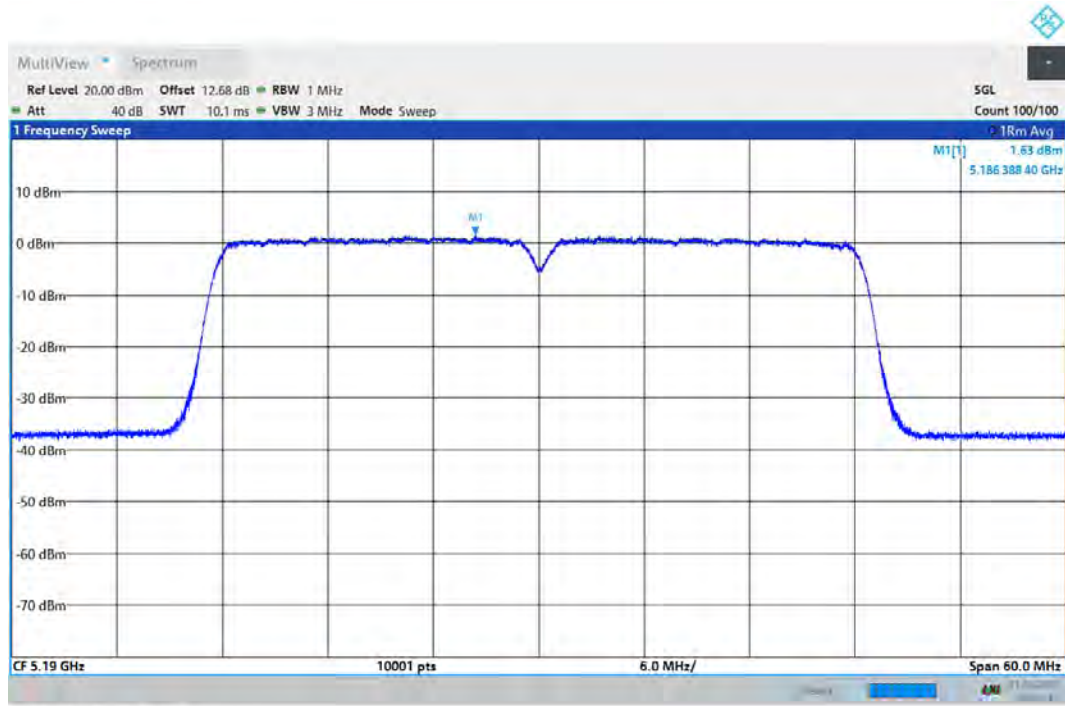
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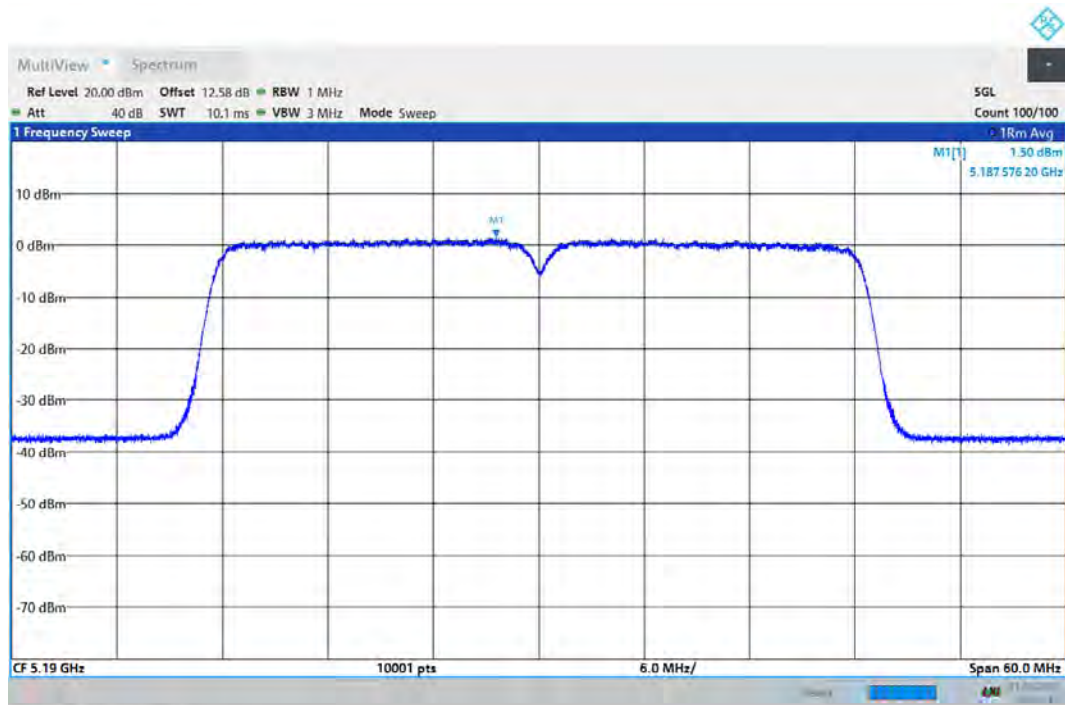
PSD 802.11ac(VHT20) 5240MHz Ant2



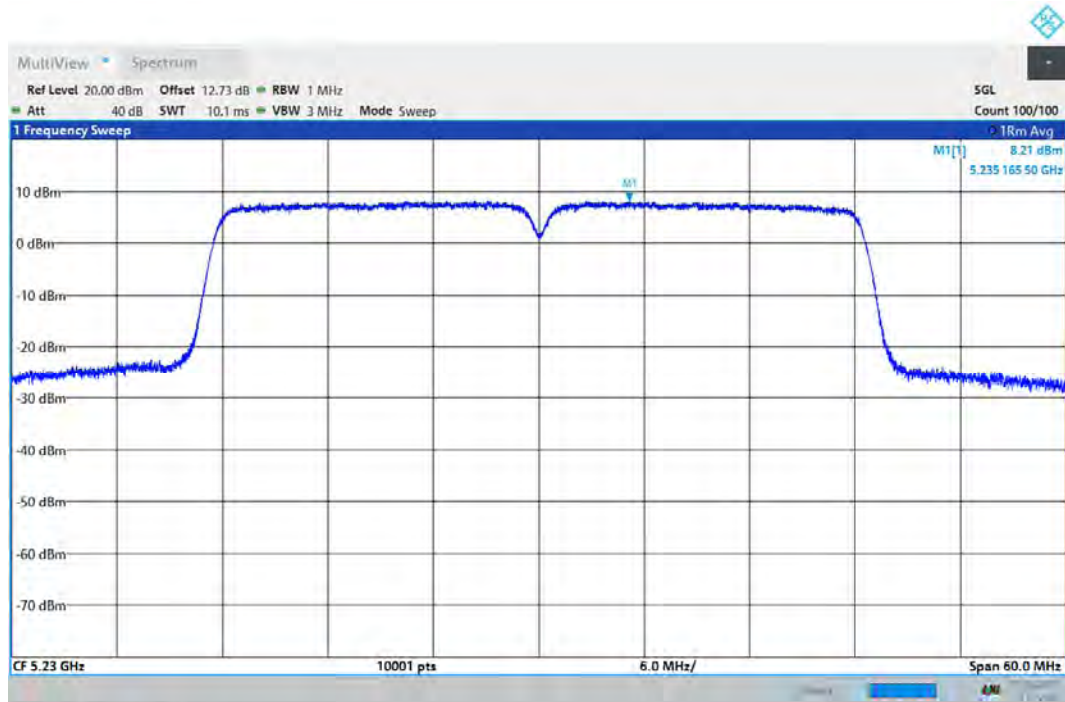
PSD 802.11ac(VHT40) 5190MHz Ant1



PSD 802.11ac(VHT40) 5190MHz Ant2

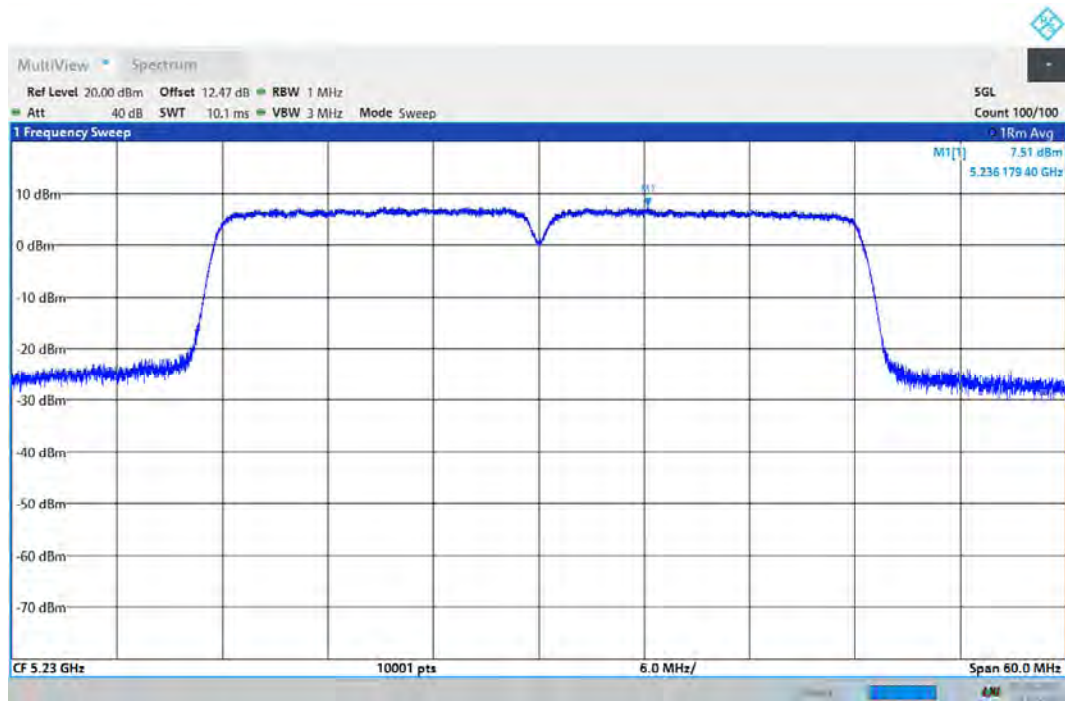


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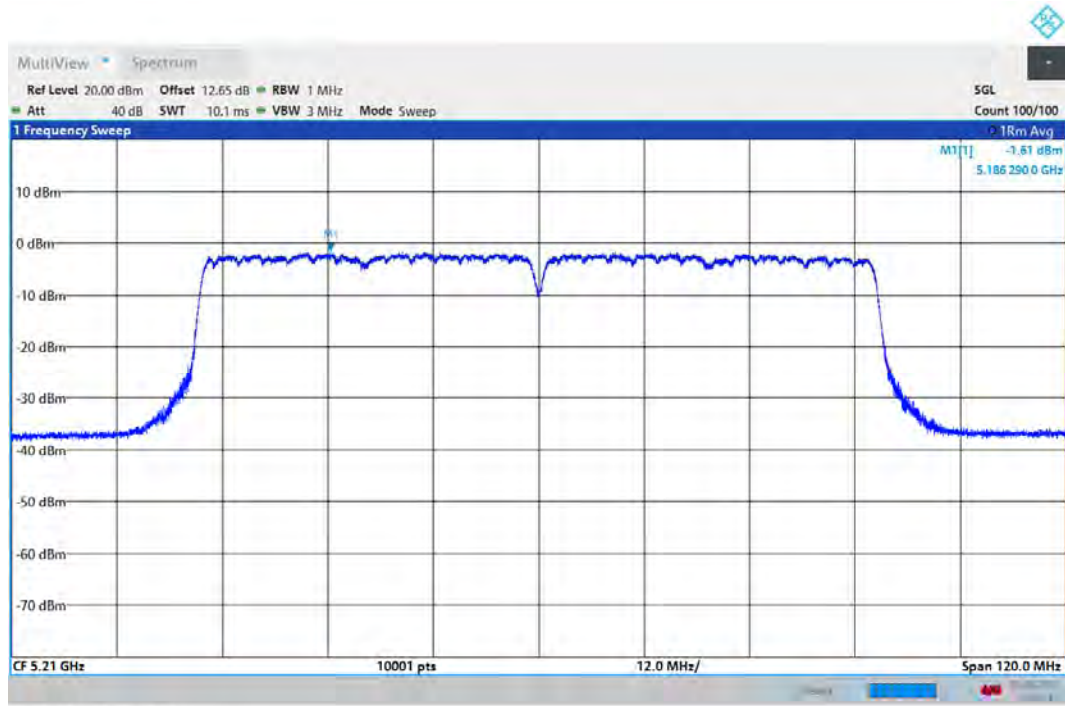
17:32:25 22.08.2023

PSD 802.11ac(VHT40) 5230MHz Ant2



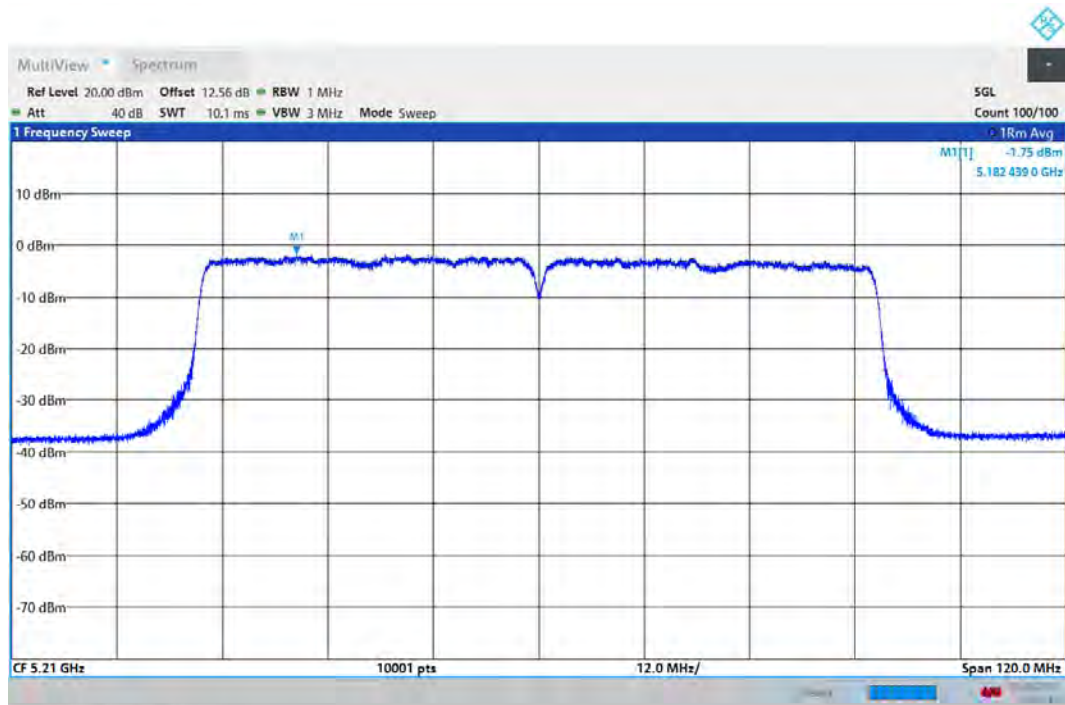
17:32:29 22.08.2023

PSD 802.11ac(VHT80) 5210MHz Ant1



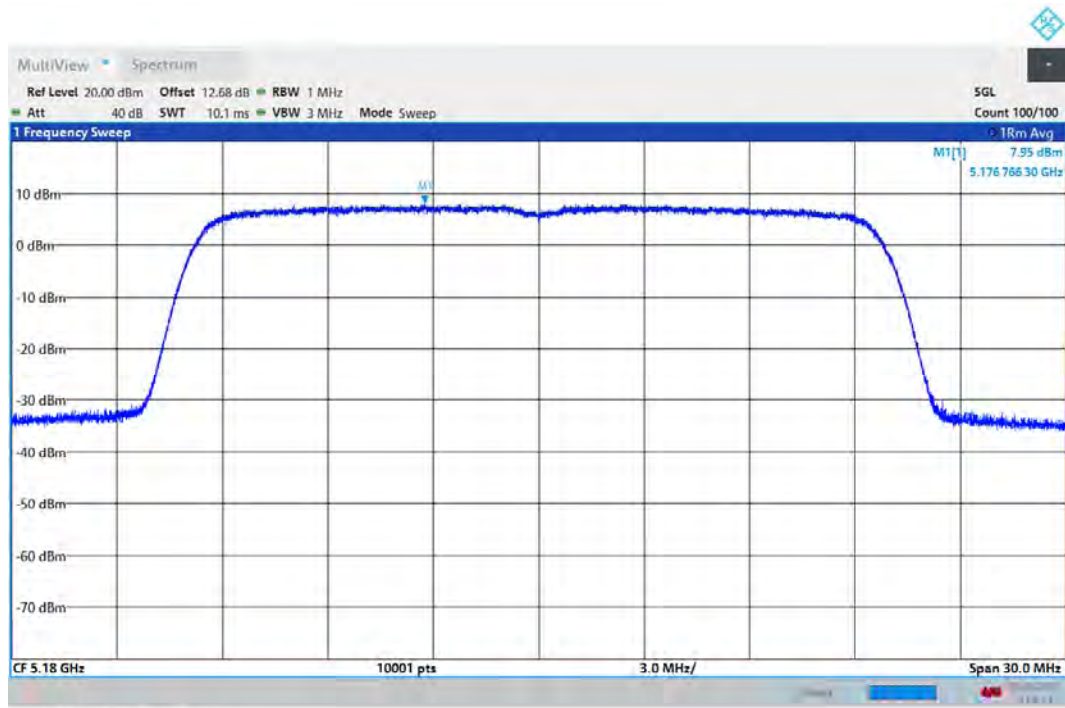
14:07:45 19.08.2023

PSD 802.11ac(VHT80) 5210MHz Ant2



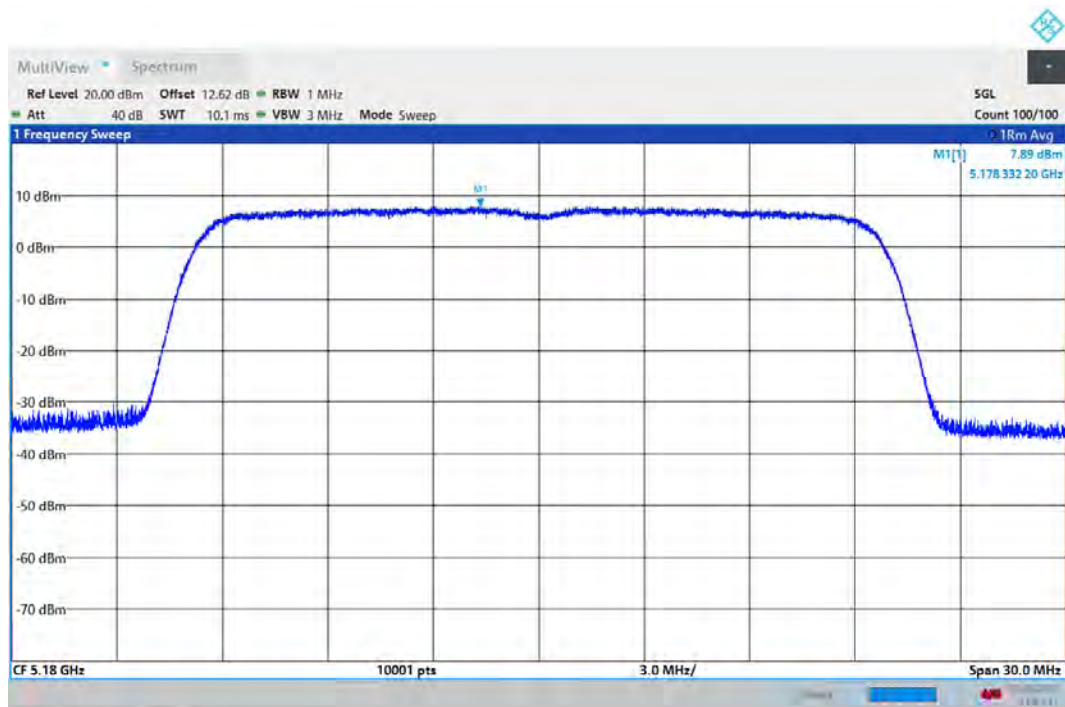
14:07:49 19.08.2023

PSD 802.11ax(HE20) 5180MHz Ant1



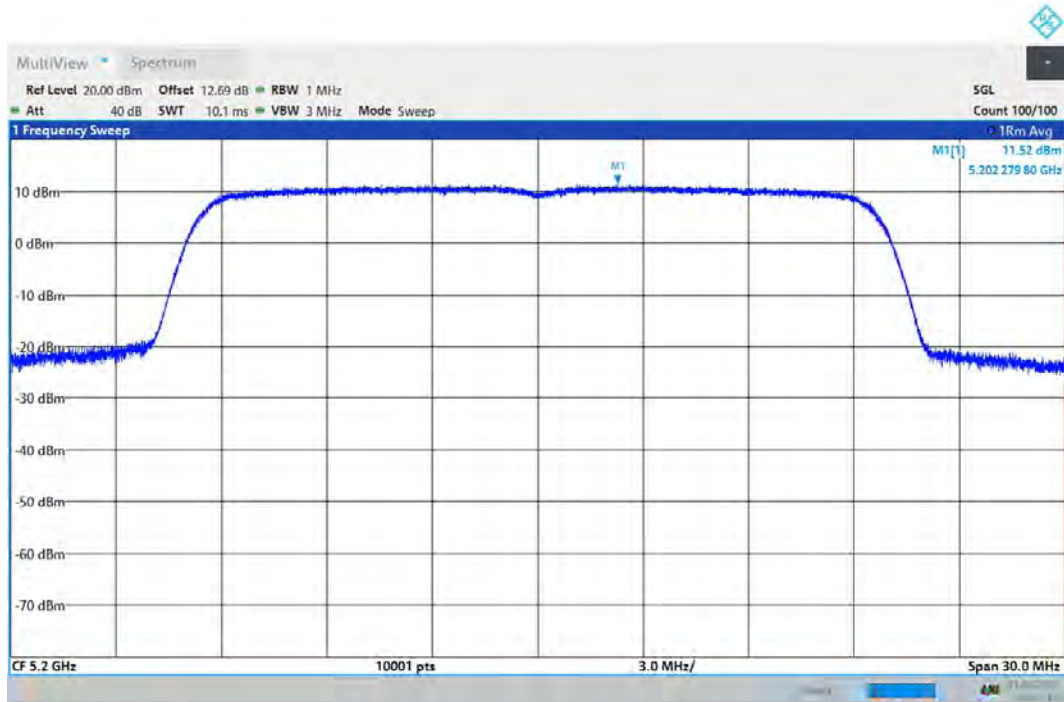
13:43:12 19.08.2023

PSD 802.11ax(HE20) 5180MHz Ant2



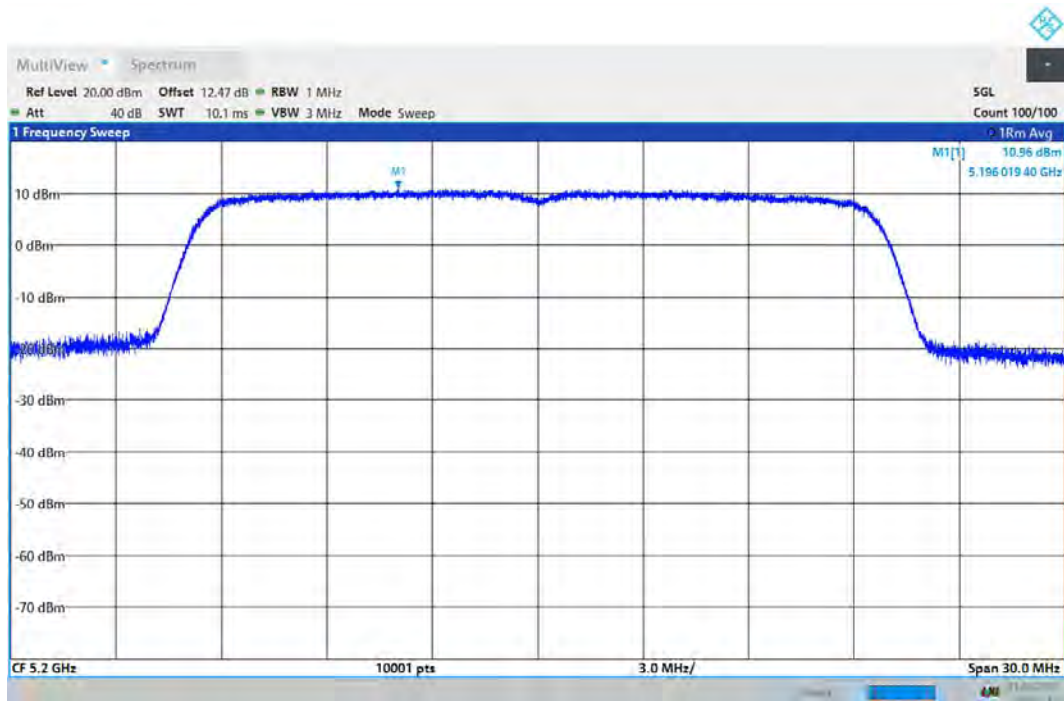
13:43:16 19.08.2023

PSD 802.11ax(HE20) 5200MHz Ant1



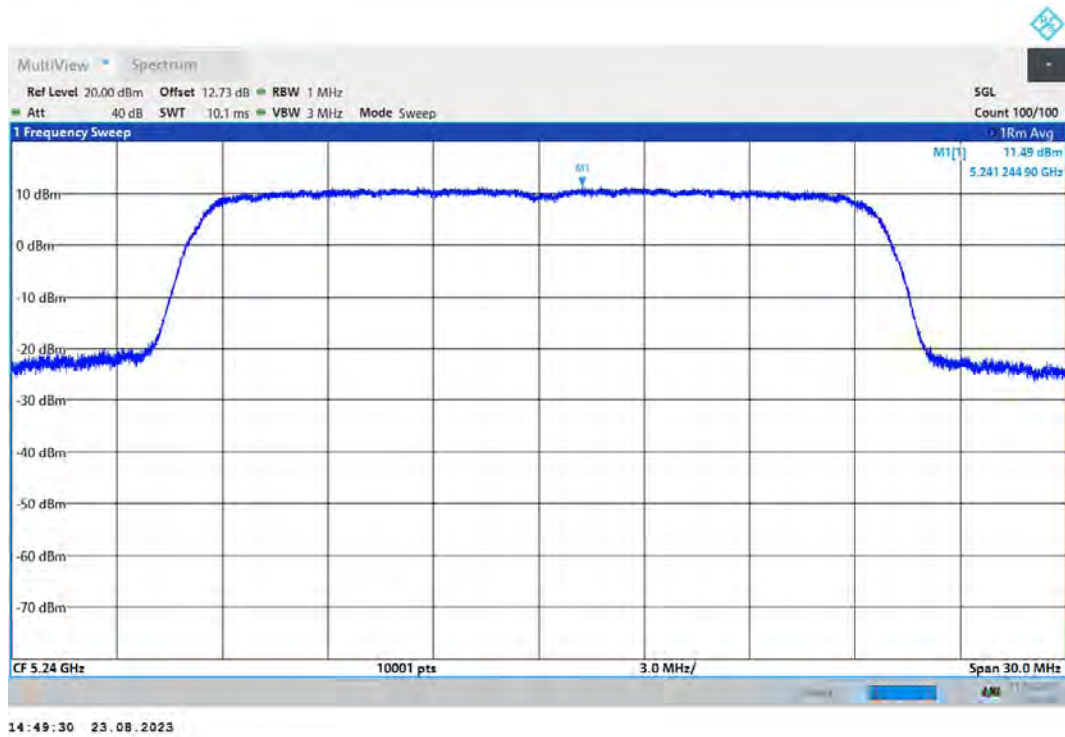
14:47:11 23.08.2023

PSD 802.11ax(HE20) 5200MHz Ant2

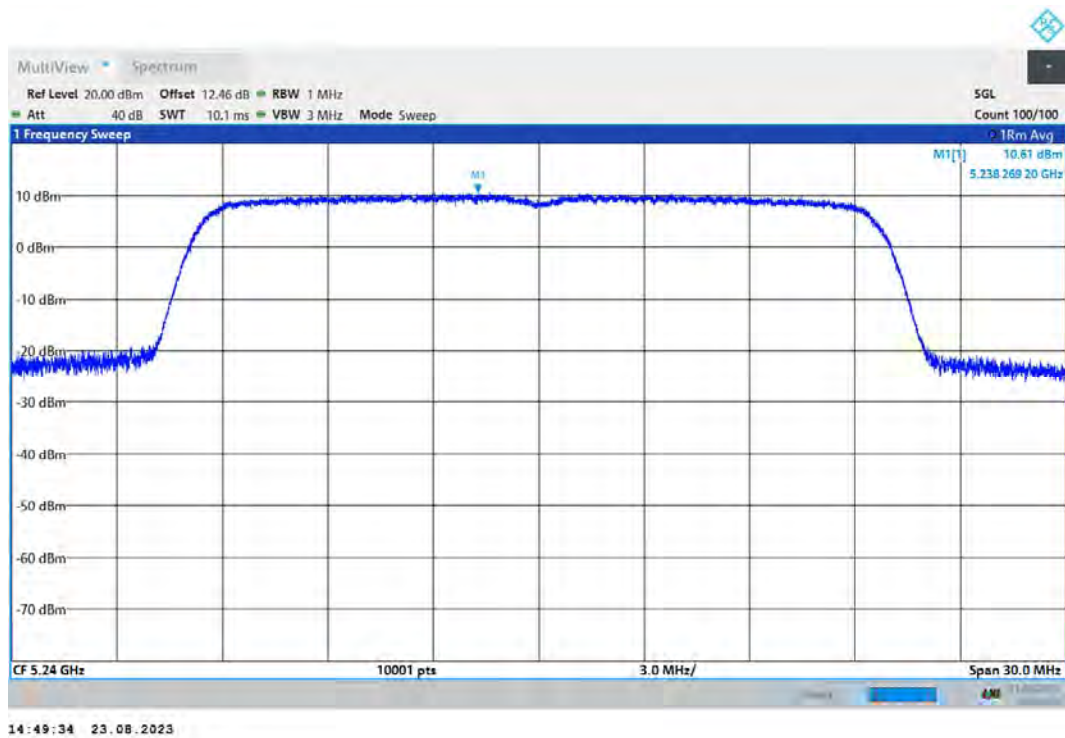


14:47:15 23.08.2023

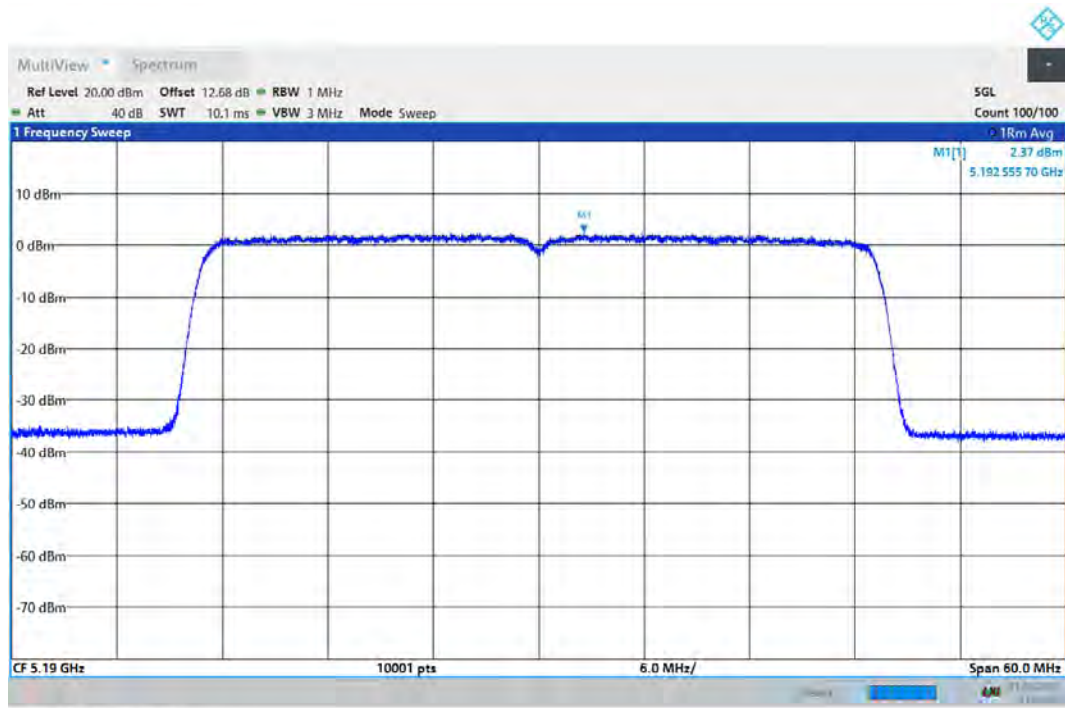
PSD 802.11ax(HE20) 5240MHz Ant1



PSD 802.11ax(HE20) 5240MHz Ant2

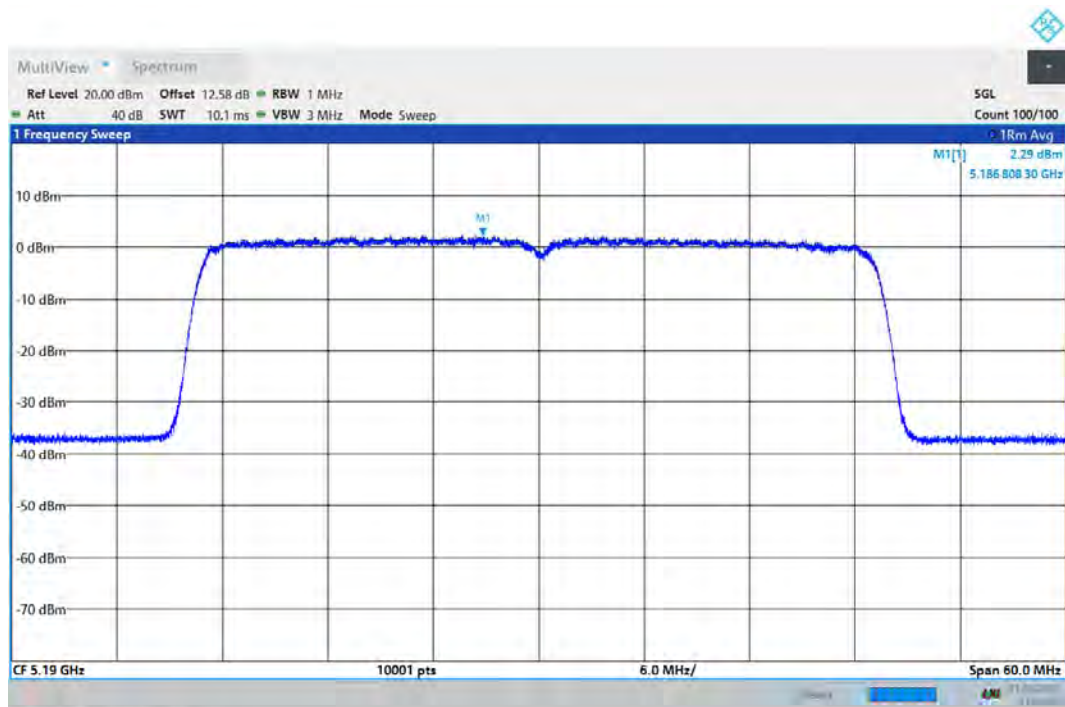


PSD 802.11ax(HE40) 5190MHz Ant1



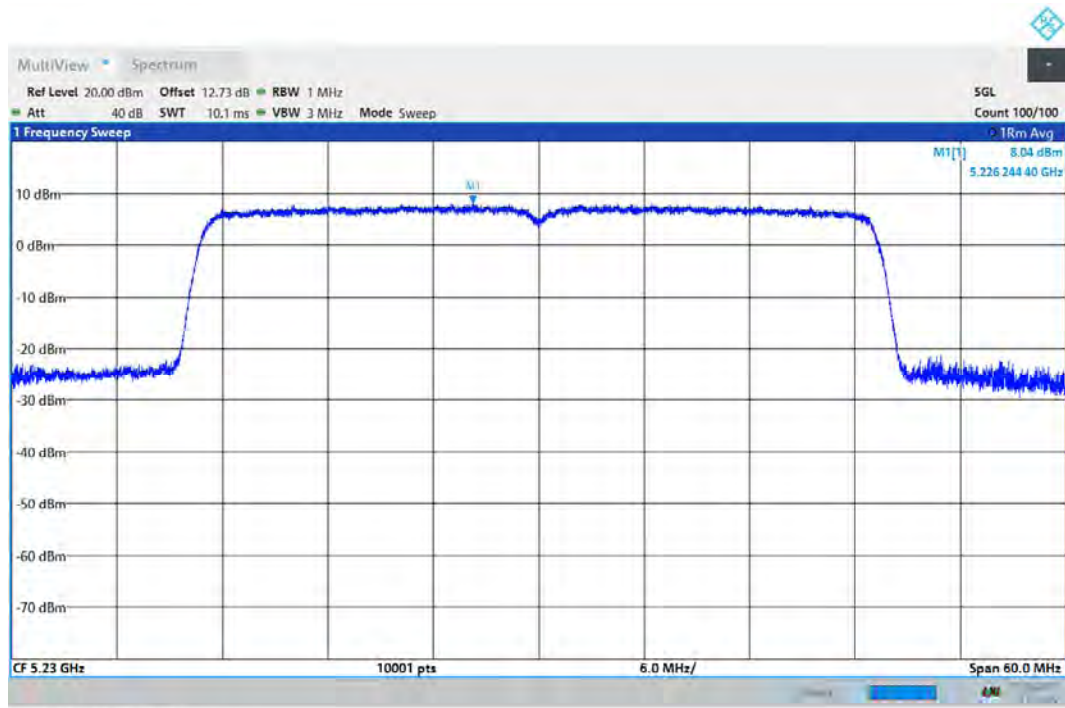
11:00:55 21.08.2023

PSD 802.11ax(HE40) 5190MHz Ant2



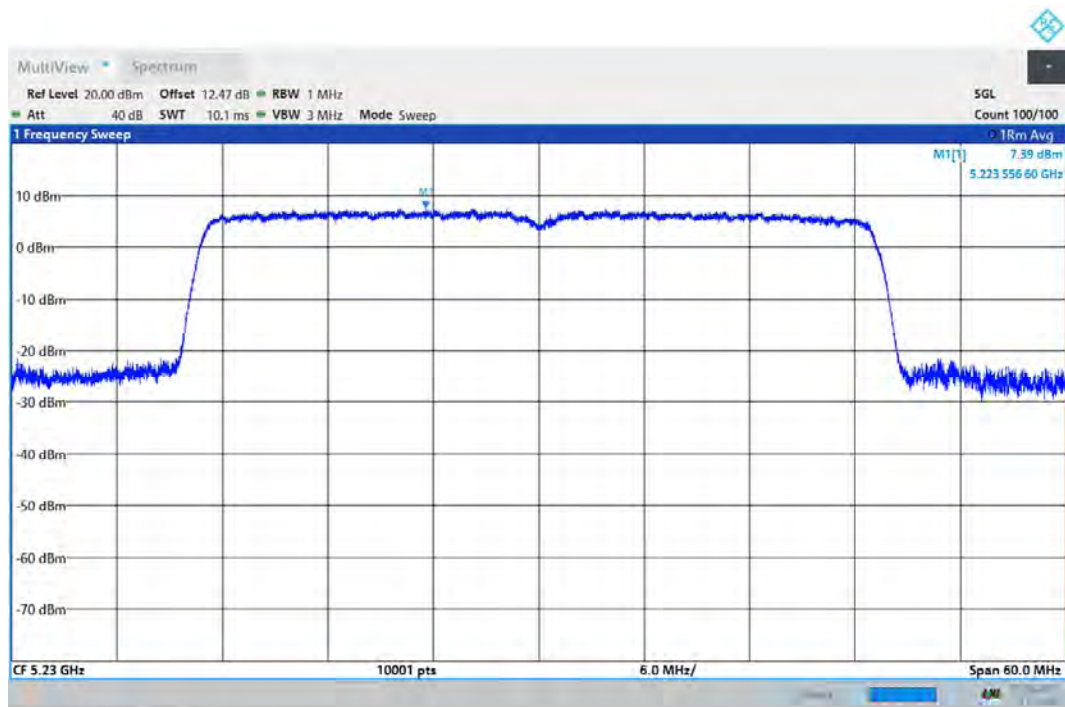
11:00:59 21.08.2023

PSD 802.11ax(HE40) 5230MHz Ant1



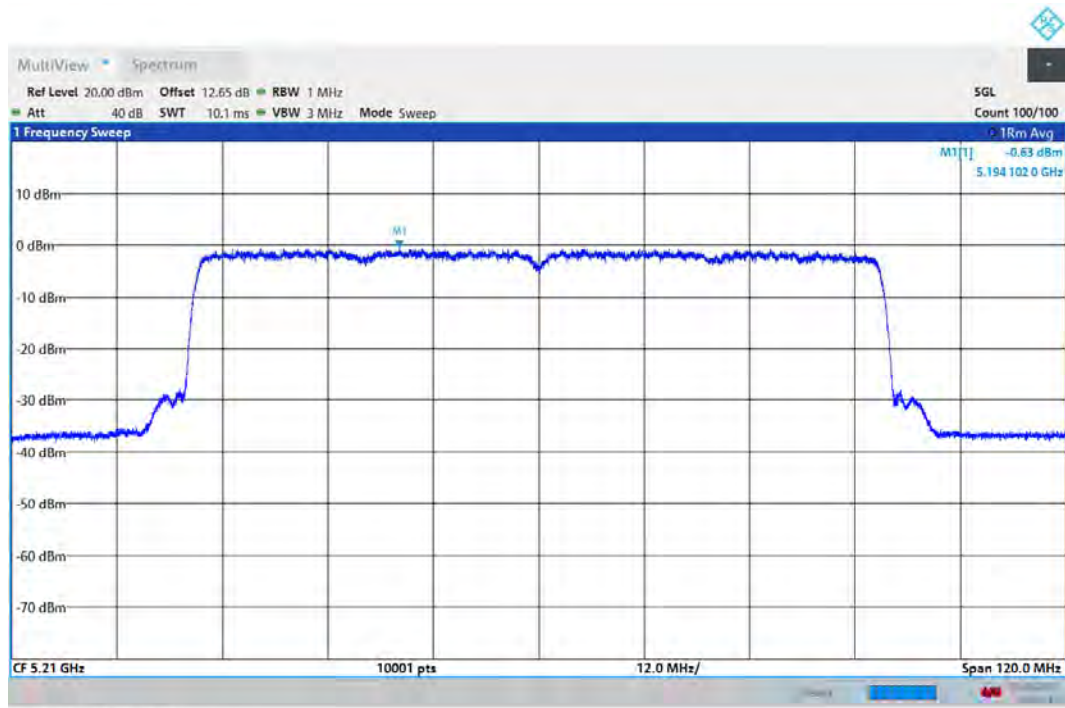
17:35:33 22.08.2023

PSD 802.11ax(HE40) 5230MHz Ant2



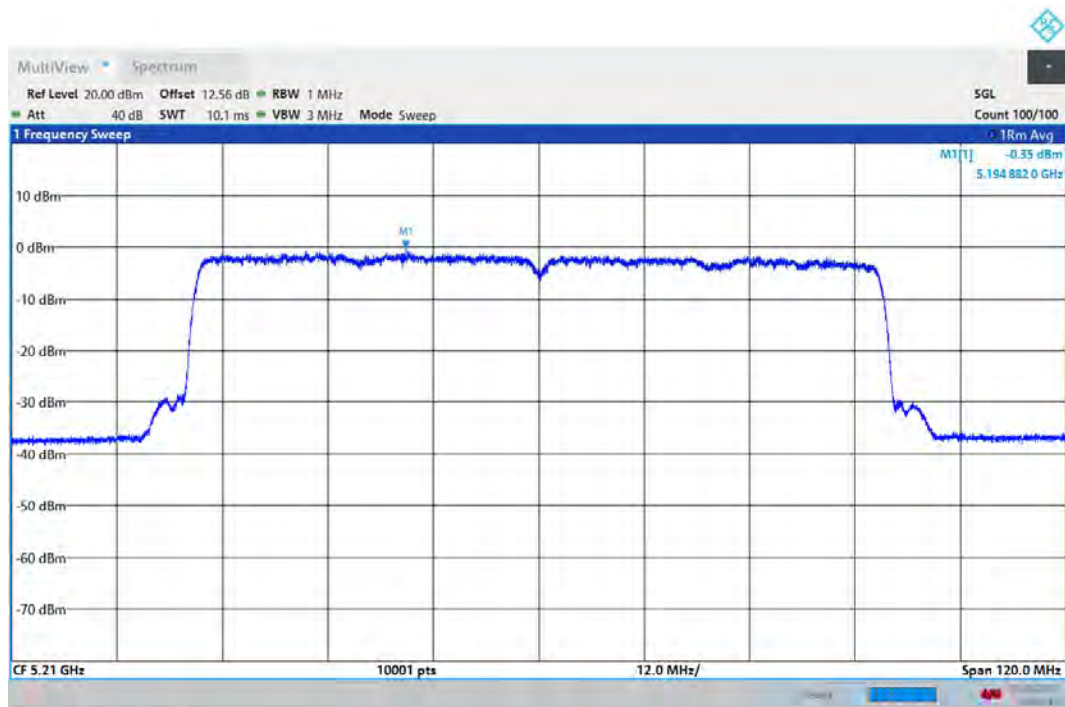
17:35:37 22.08.2023

PSD 802.11ax(HE80) 5210MHz Ant1



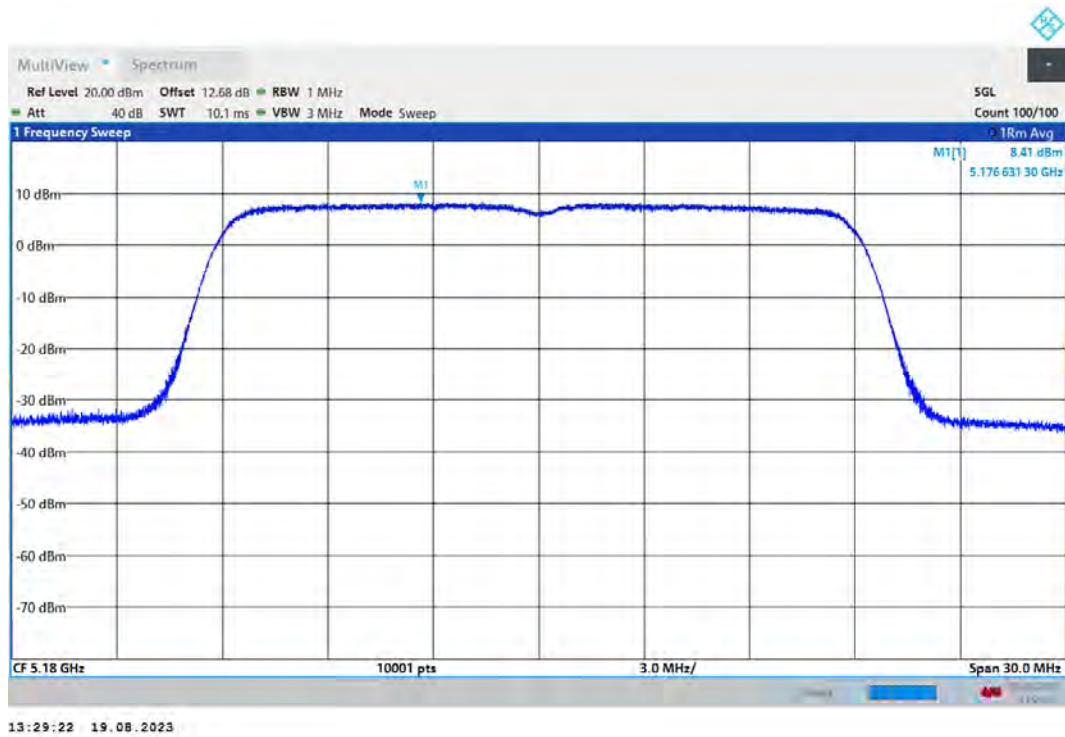
14:08:40 19.08.2023

PSD 802.11ax(HE80) 5210MHz Ant2

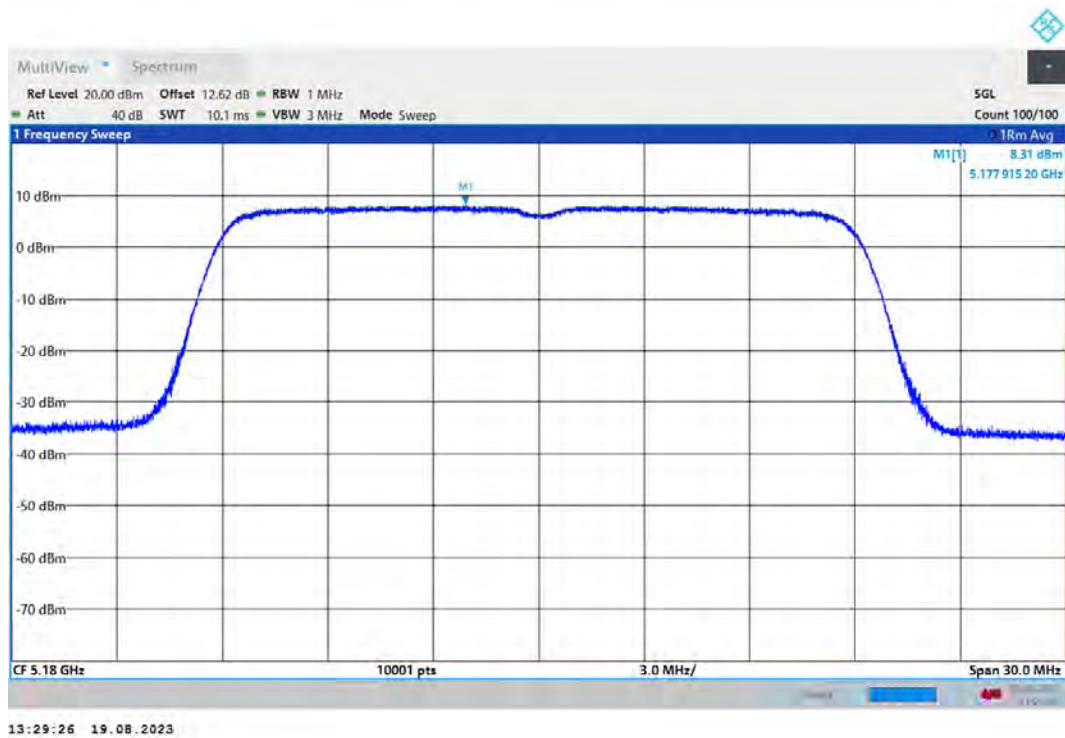


14:08:44 19.08.2023

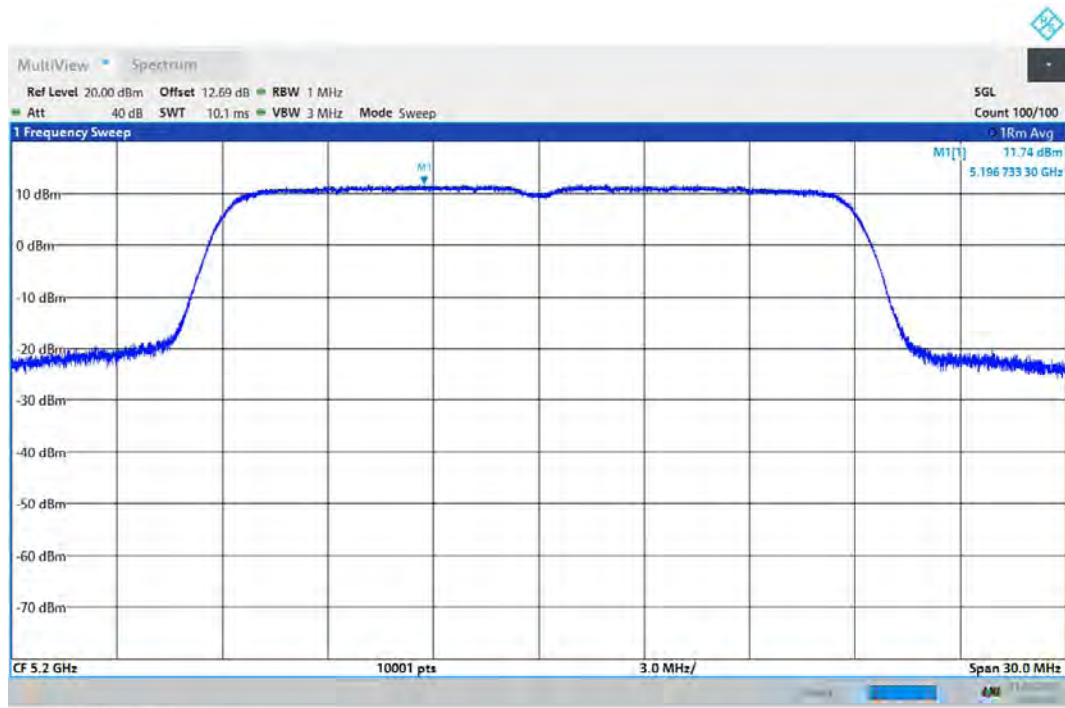
PSD 802.11n(HT20) 5180MHz Ant1



PSD 802.11n(HT20) 5180MHz Ant2

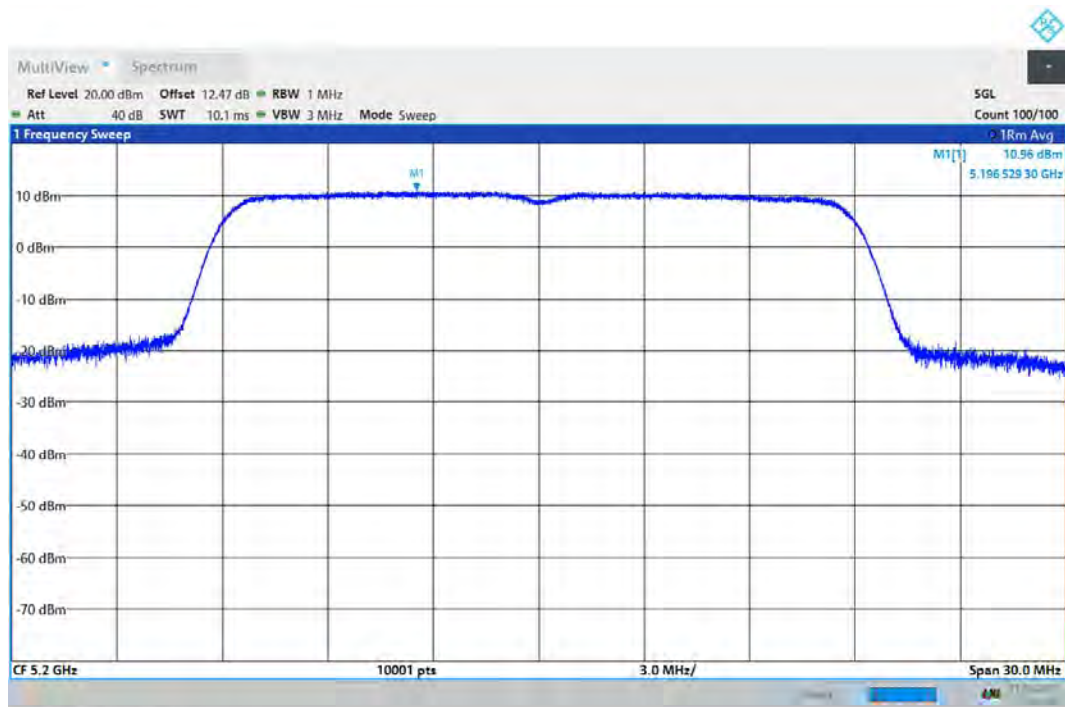


PSD 802.11n(HT20) 5200MHz Ant1



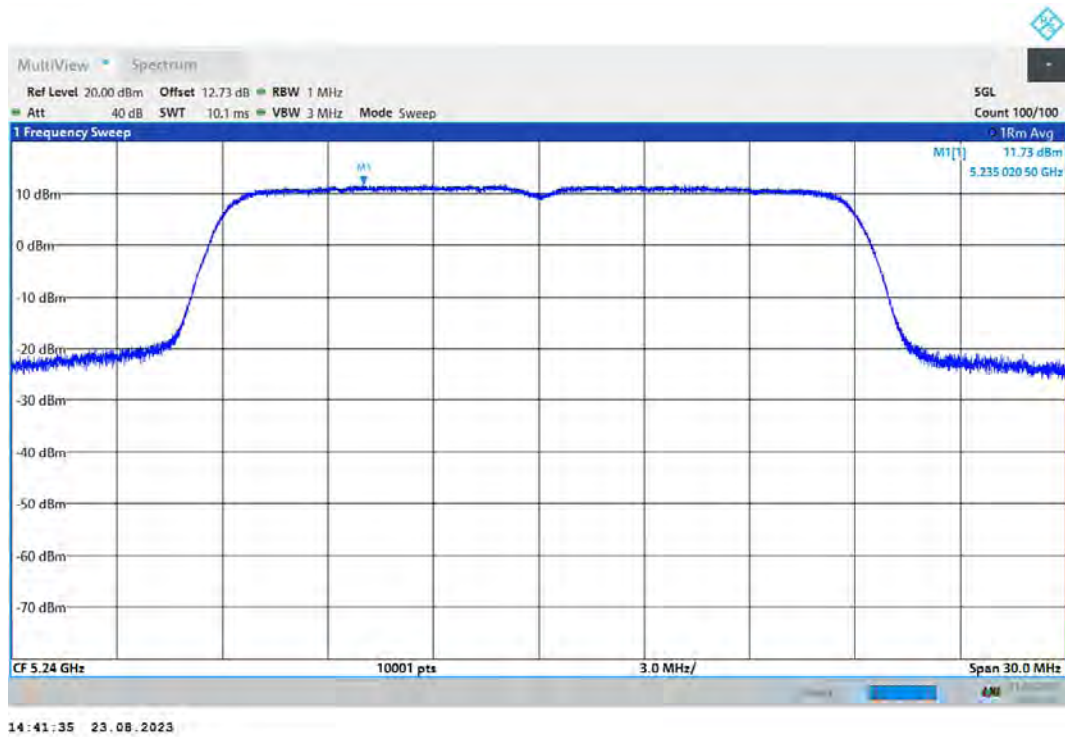
14:40:01 23.08.2023

PSD 802.11n(HT20) 5200MHz Ant2

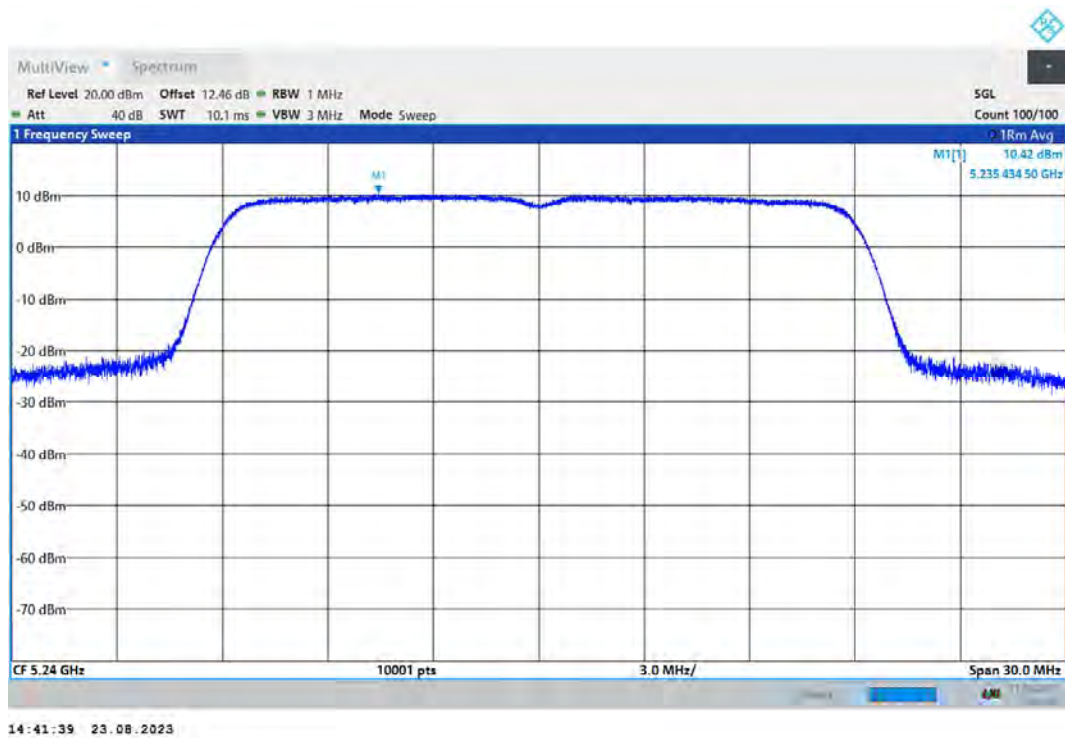


14:40:05 23.08.2023

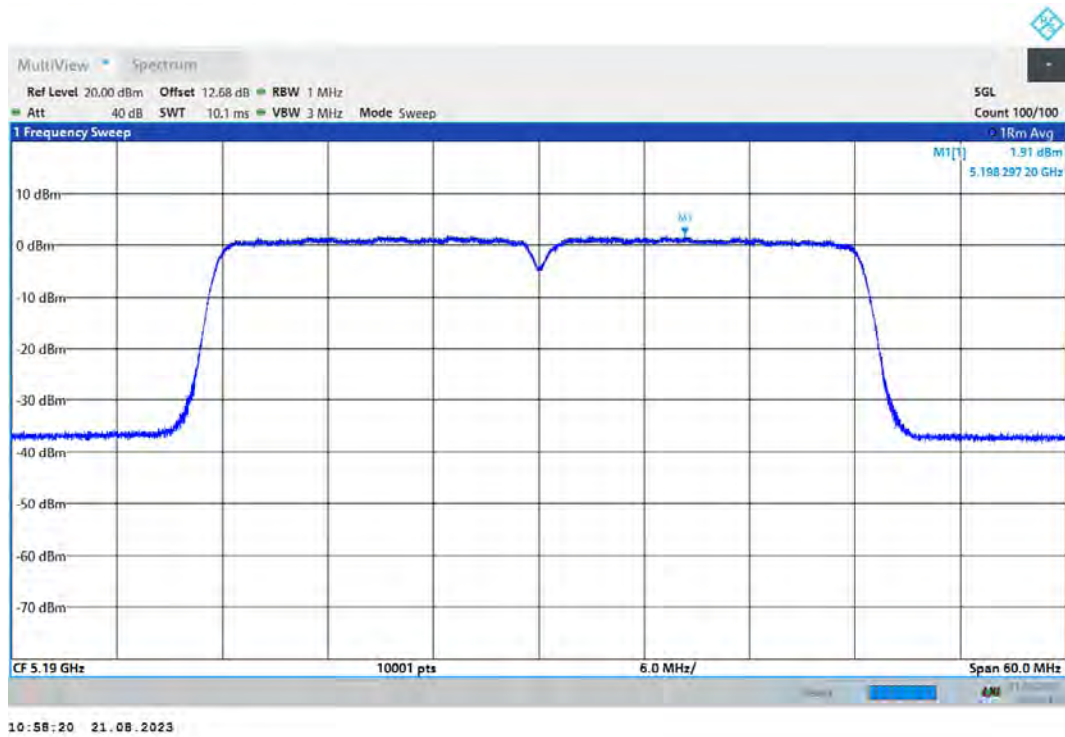
PSD 802.11n(HT20) 5240MHz Ant1



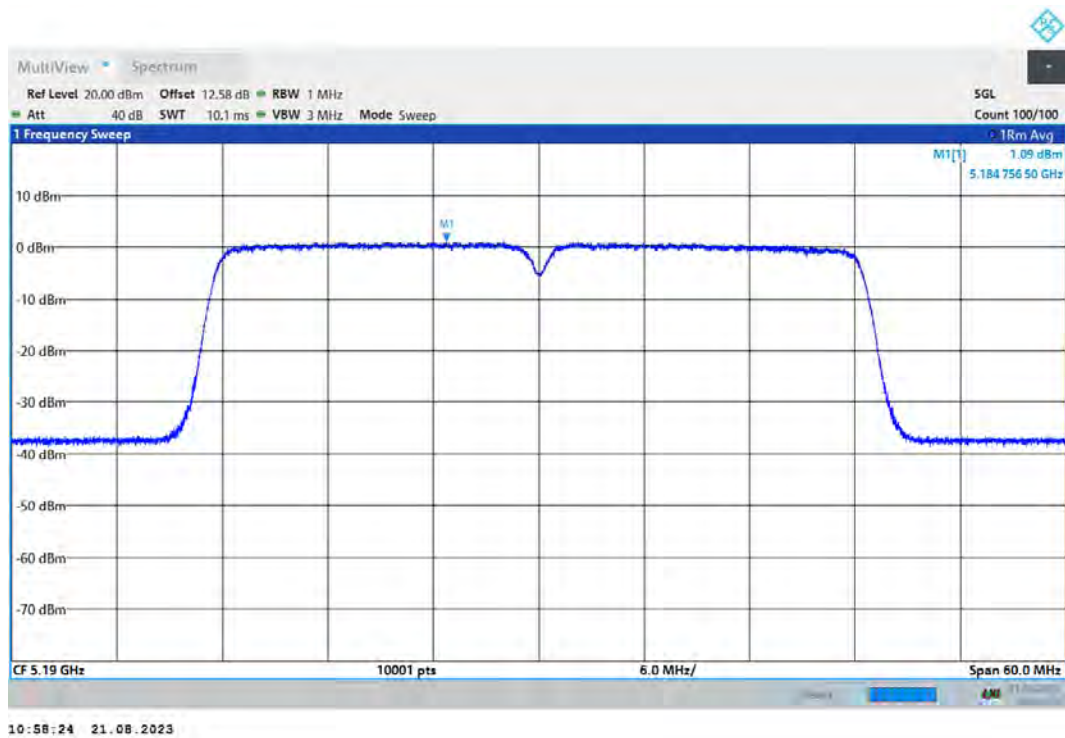
PSD 802.11n(HT20) 5240MHz Ant2



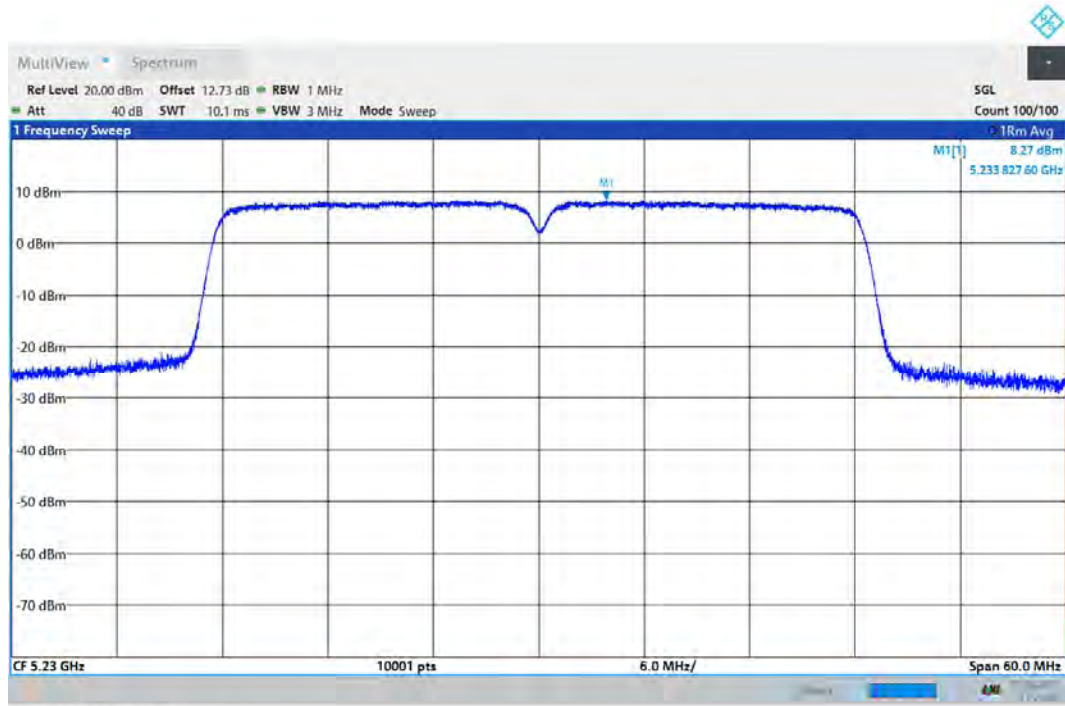
PSD 802.11n(HT40) 5190MHz Ant1



PSD 802.11n(HT40) 5190MHz Ant2

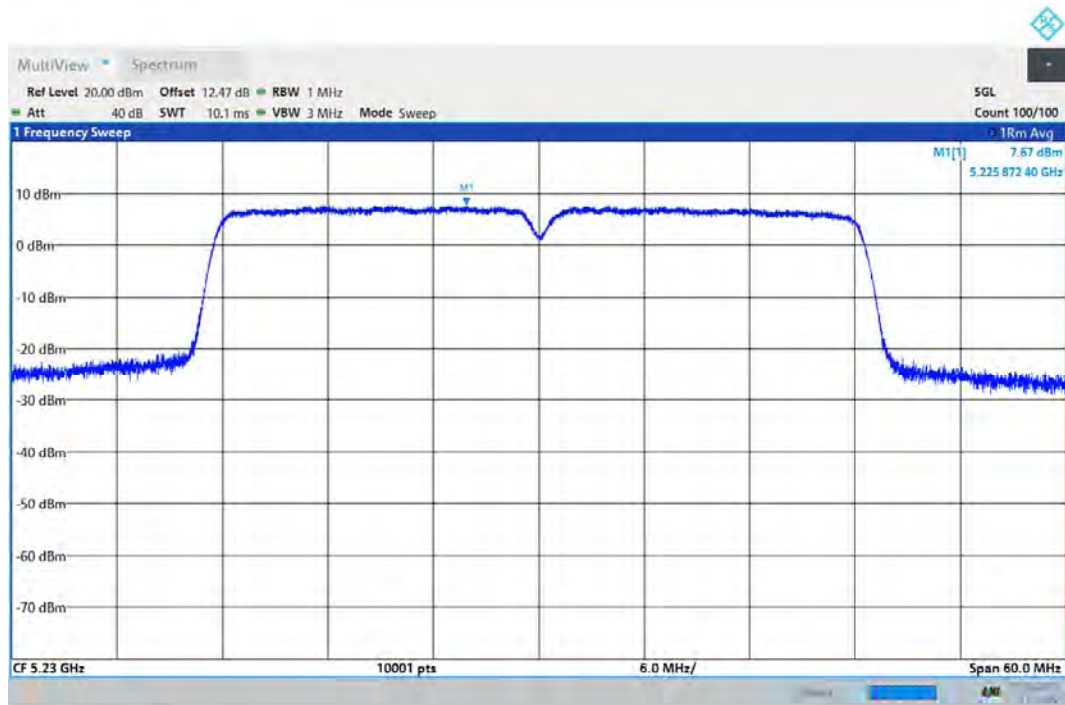


PSD 802.11n(HT40) 5230MHz Ant1



17:29:59 22.08.2023

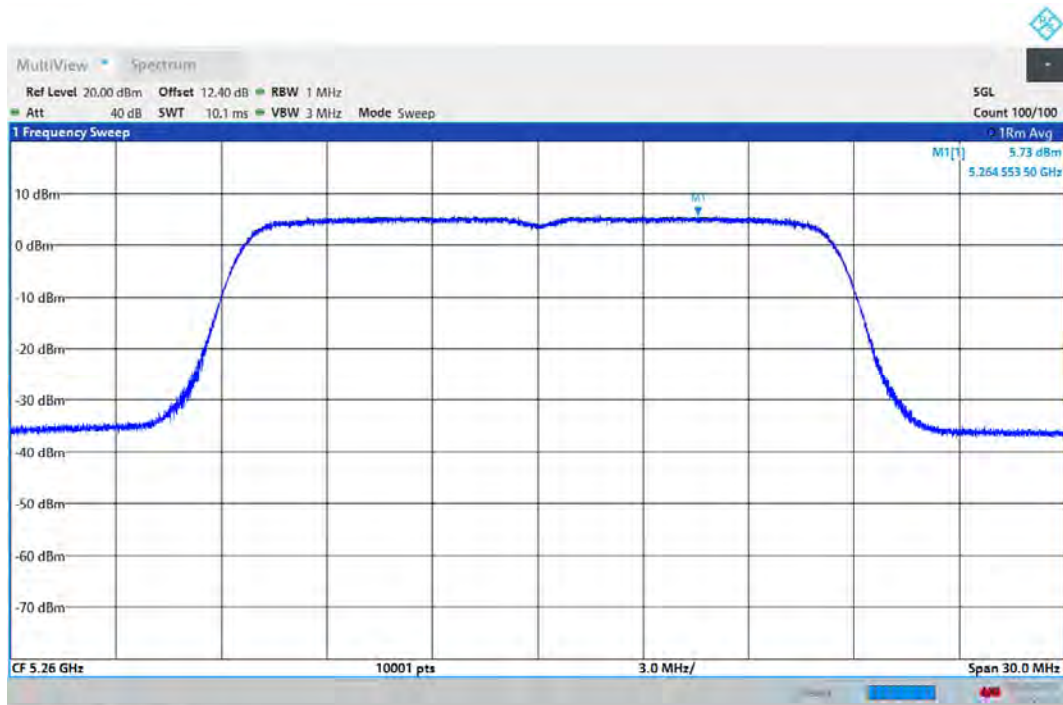
PSD 802.11n(HT40) 5230MHz Ant2



17:30:03 22.08.2023

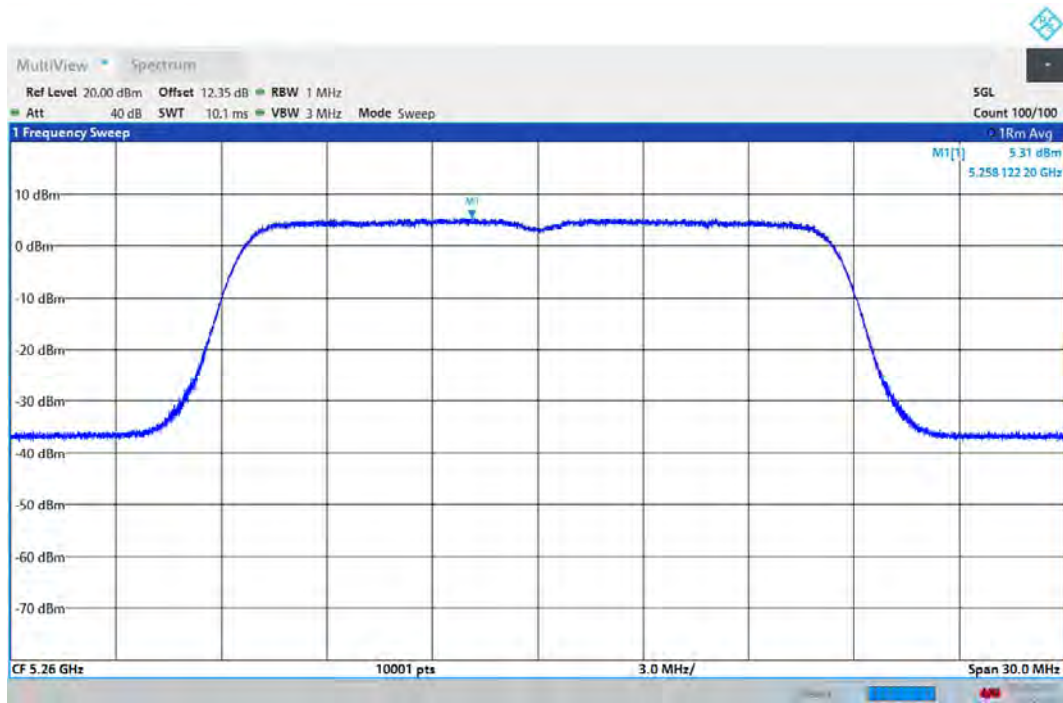
U-NII-2A

PSD 802.11a 5260MHz Ant1



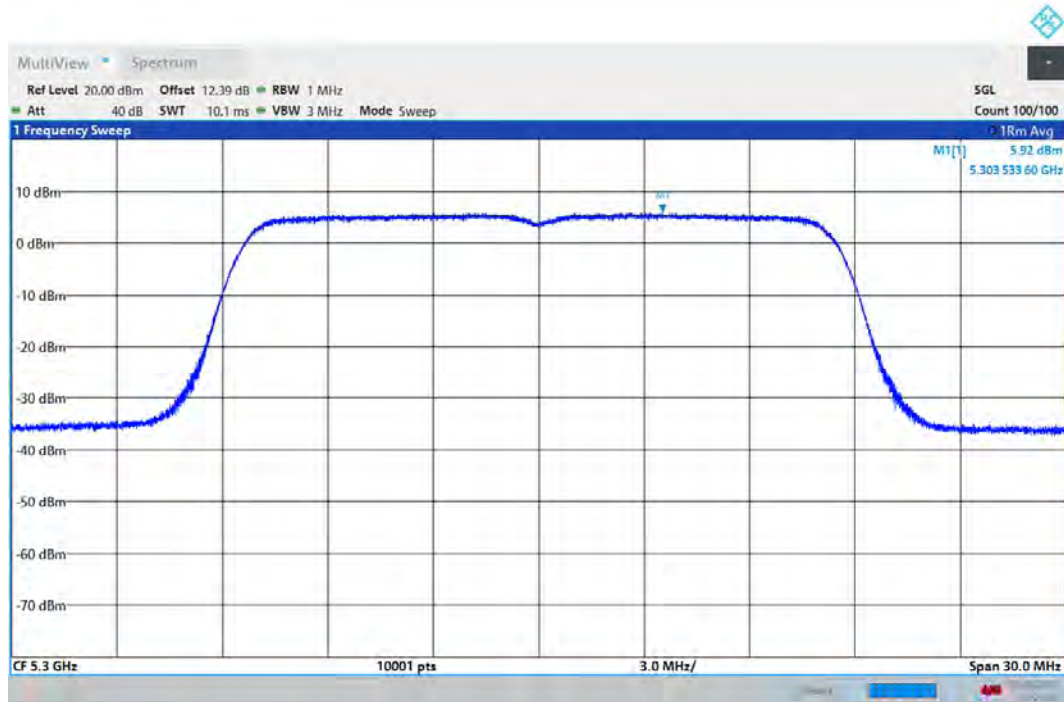
15:21:53 18.08.2023

PSD 802.11a 5260MHz Ant2



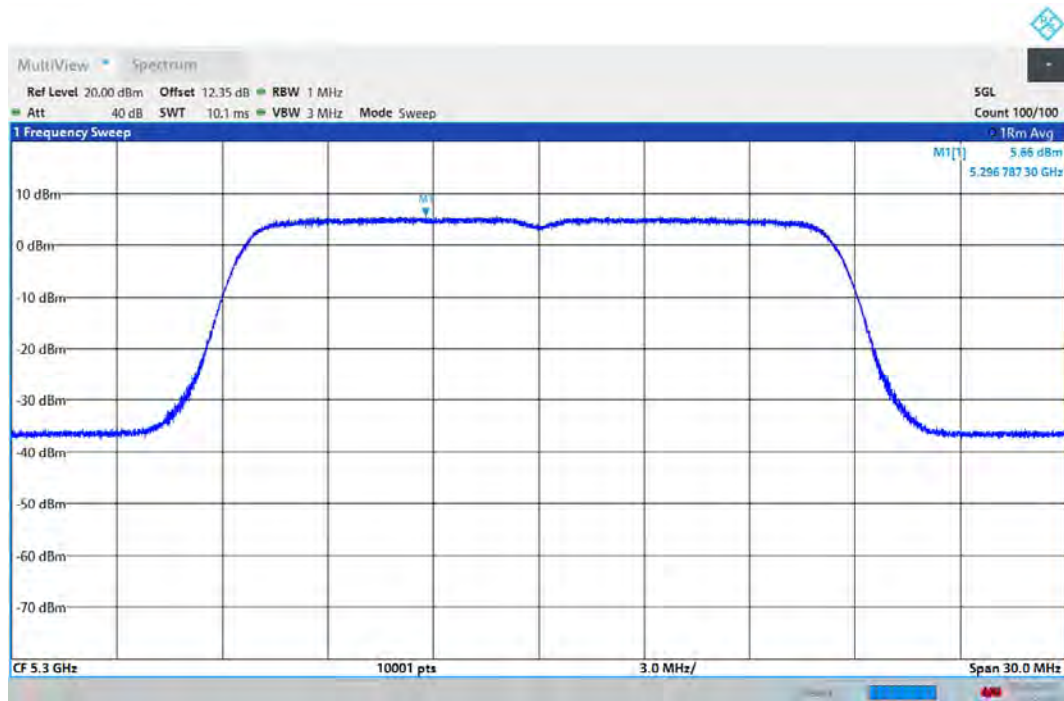
15:21:56 18.08.2023

PSD 802.11a 5300MHz Ant1



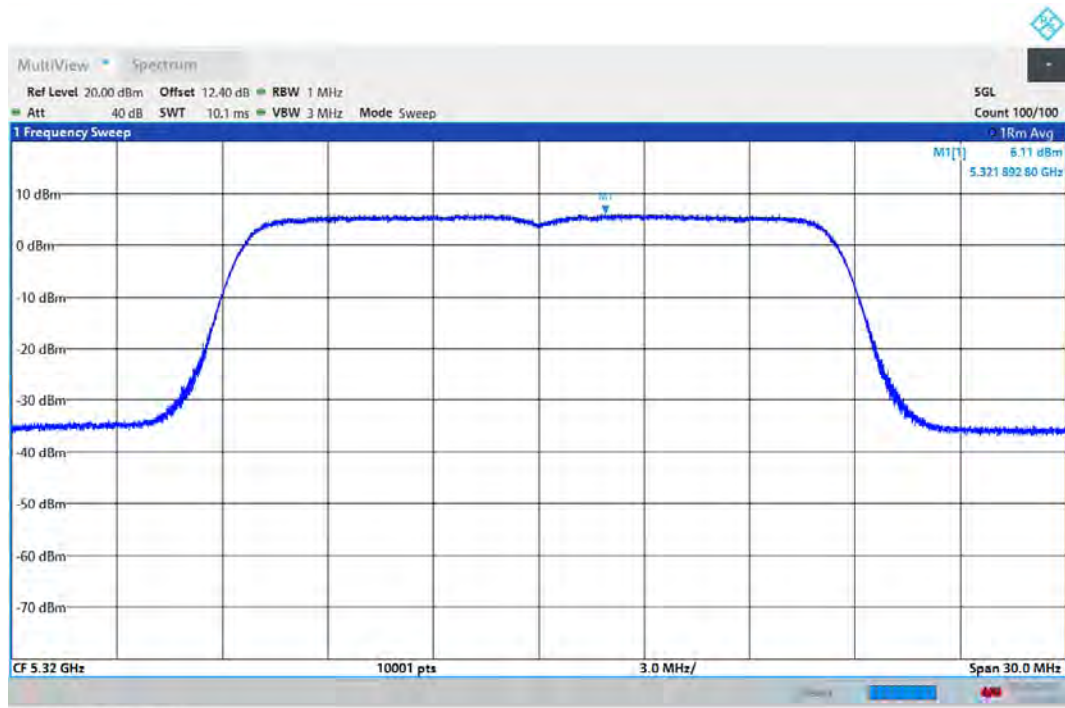
15:29:27 18.08.2023

PSD 802.11a 5300MHz Ant2



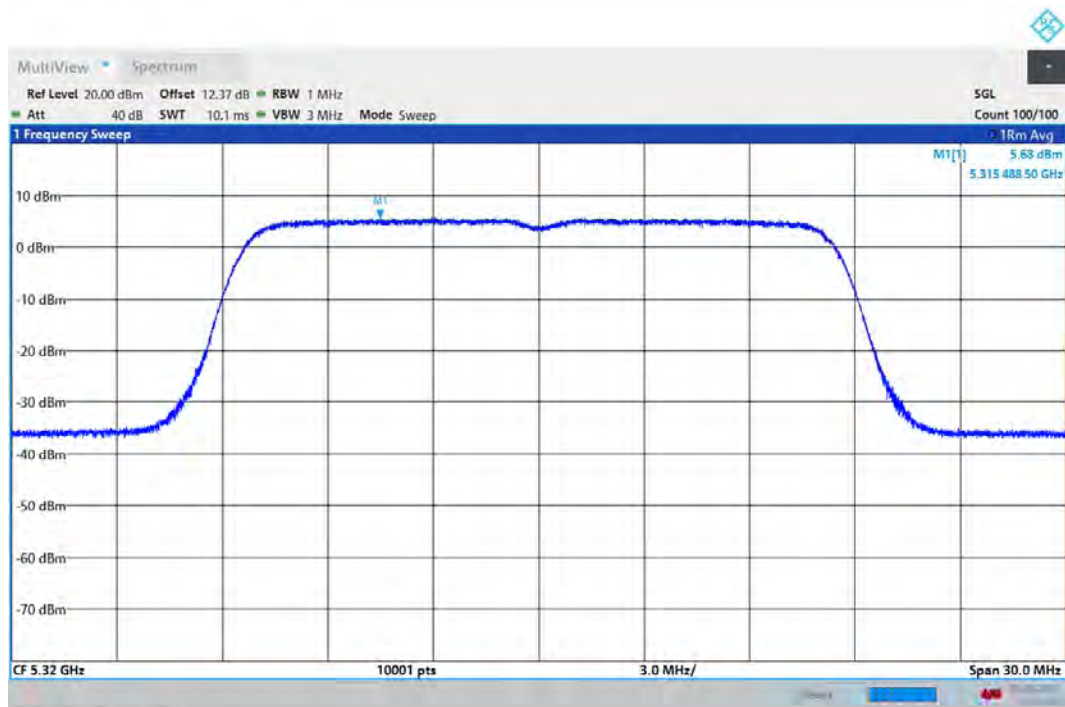
15:29:31 18.08.2023

PSD 802.11a 5320MHz Ant1



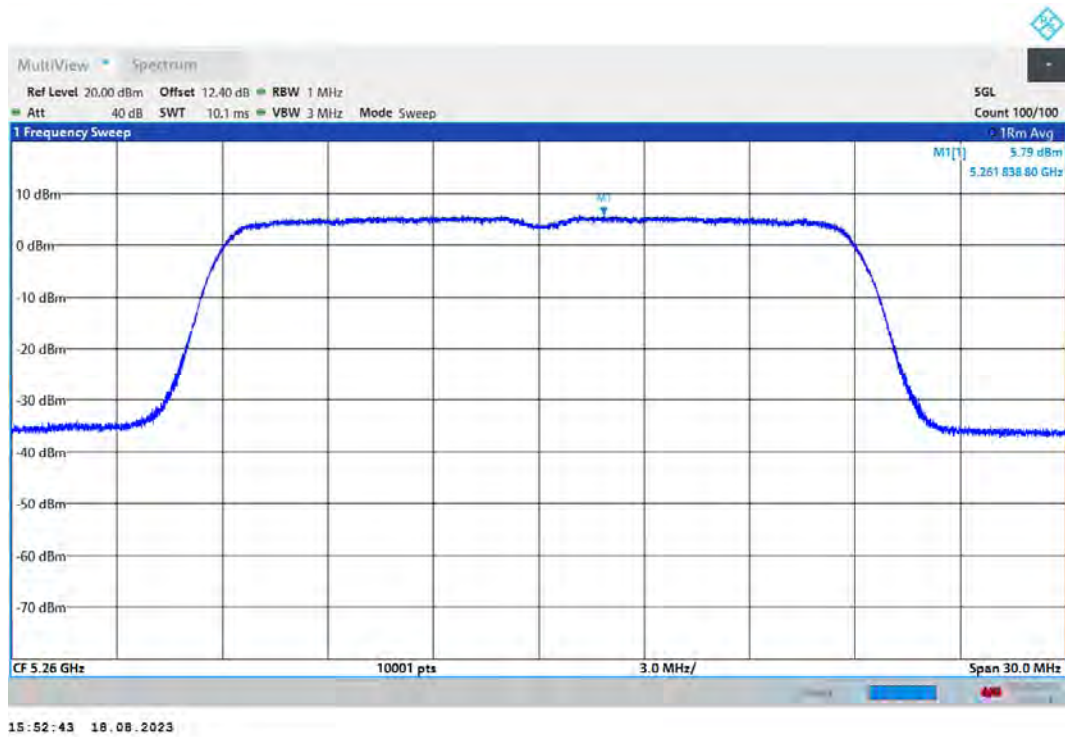
15:33:20 18.08.2023

PSD 802.11a 5320MHz Ant2

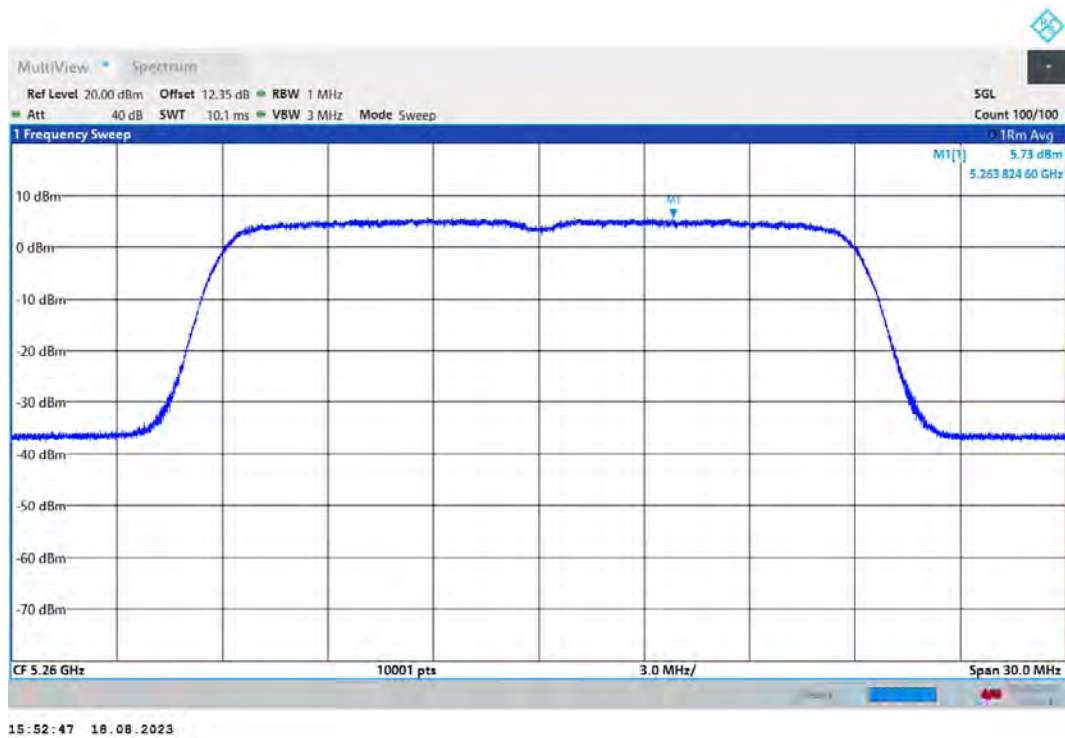


15:33:24 18.08.2023

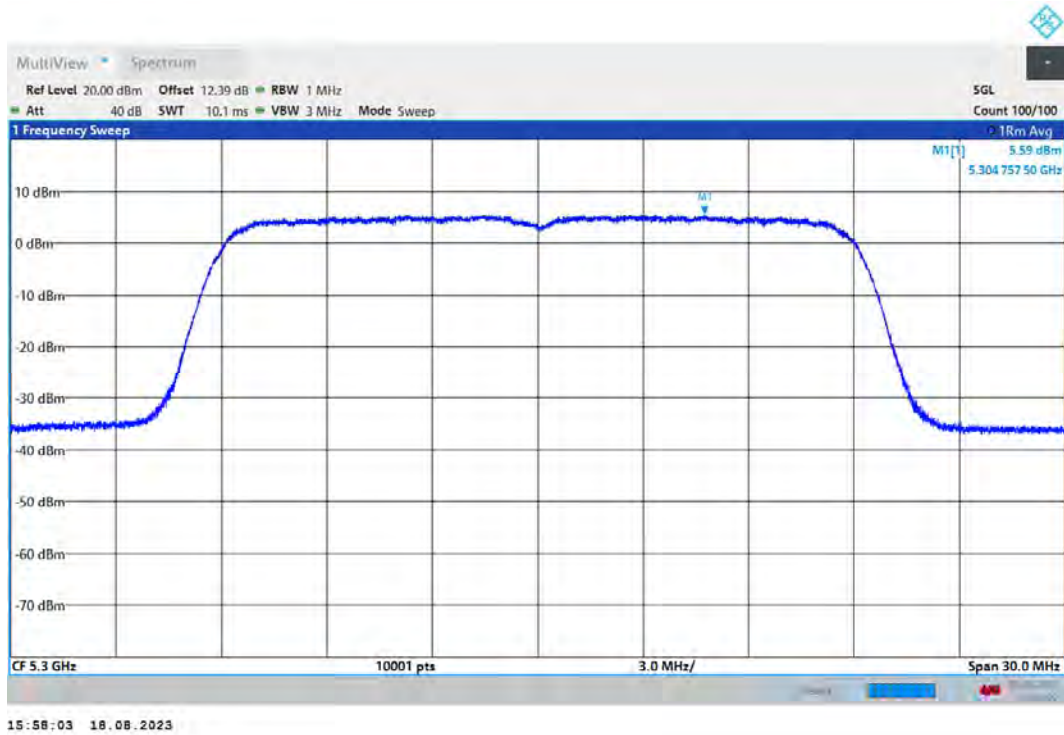
PSD 802.11ac(VHT20) 5260MHz Ant1



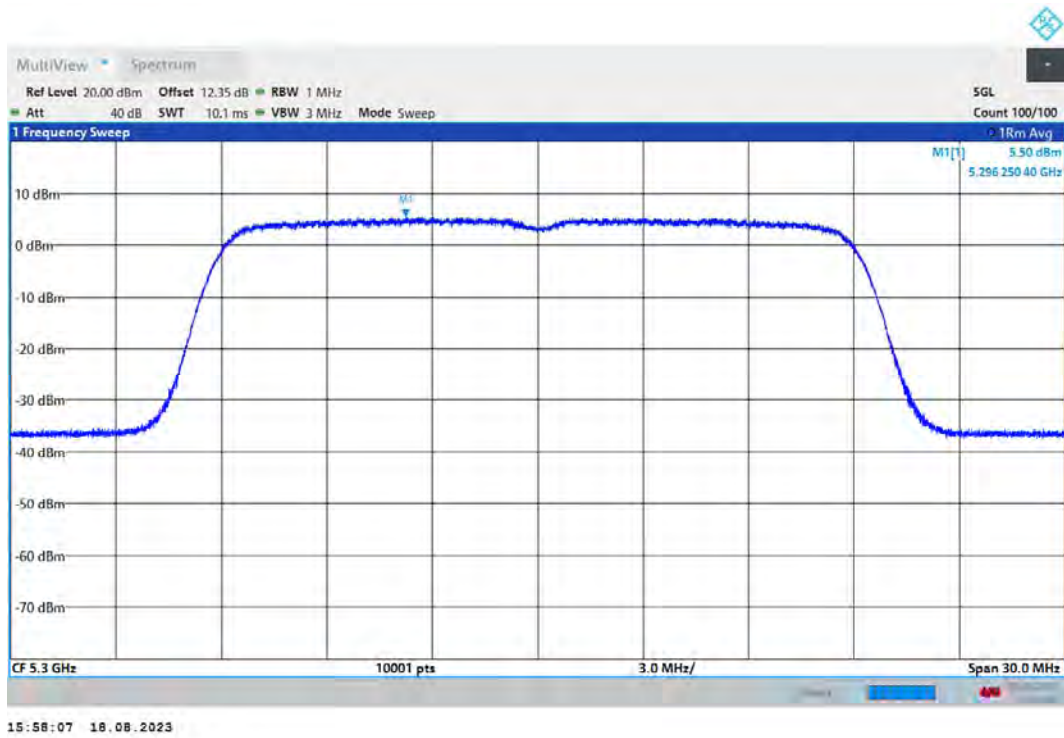
PSD 802.11ac(VHT20) 5260MHz Ant2



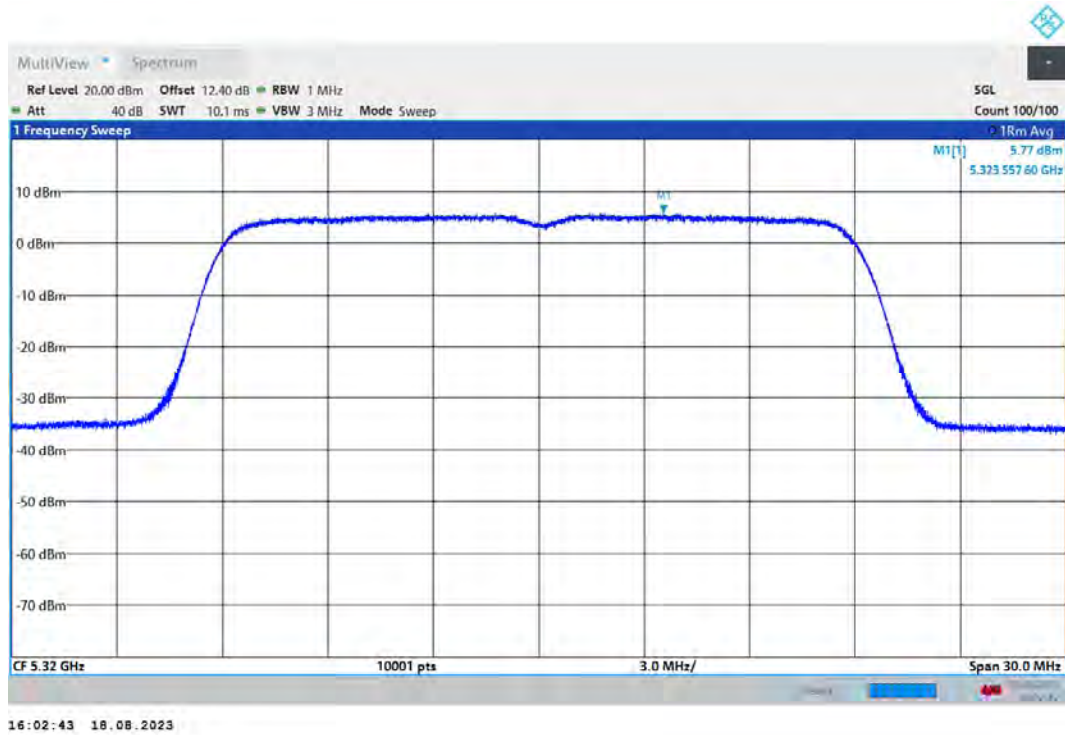
PSD 802.11ac(VHT20) 5300MHz Ant1



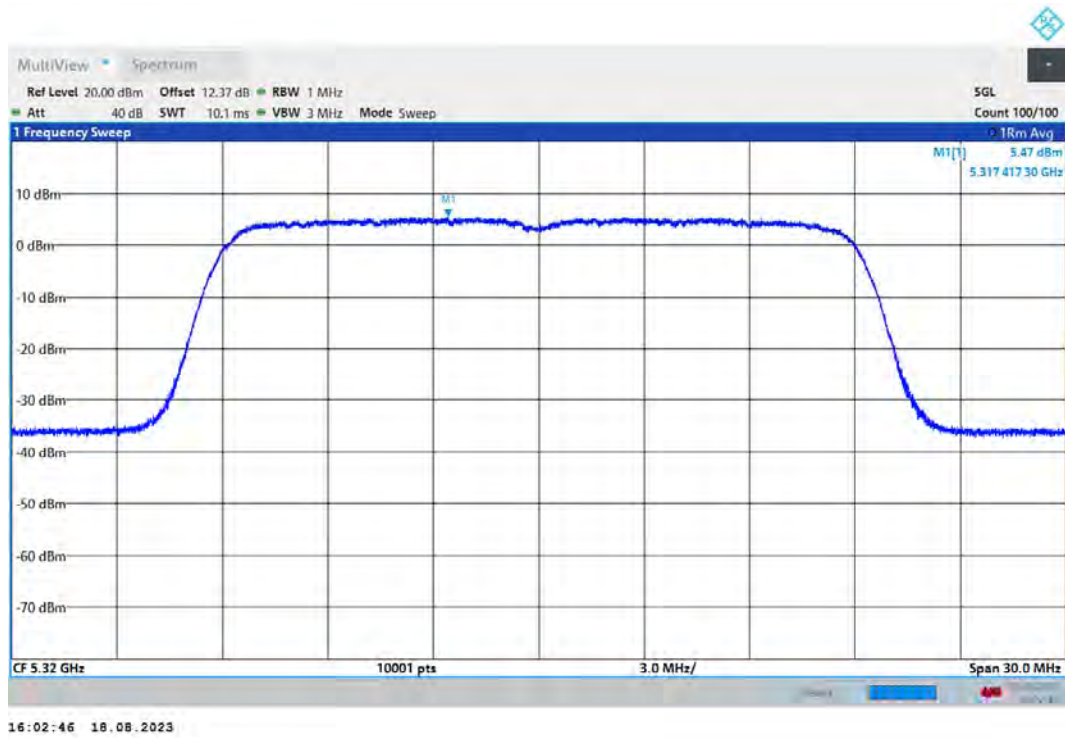
PSD 802.11ac(VHT20) 5300MHz Ant2



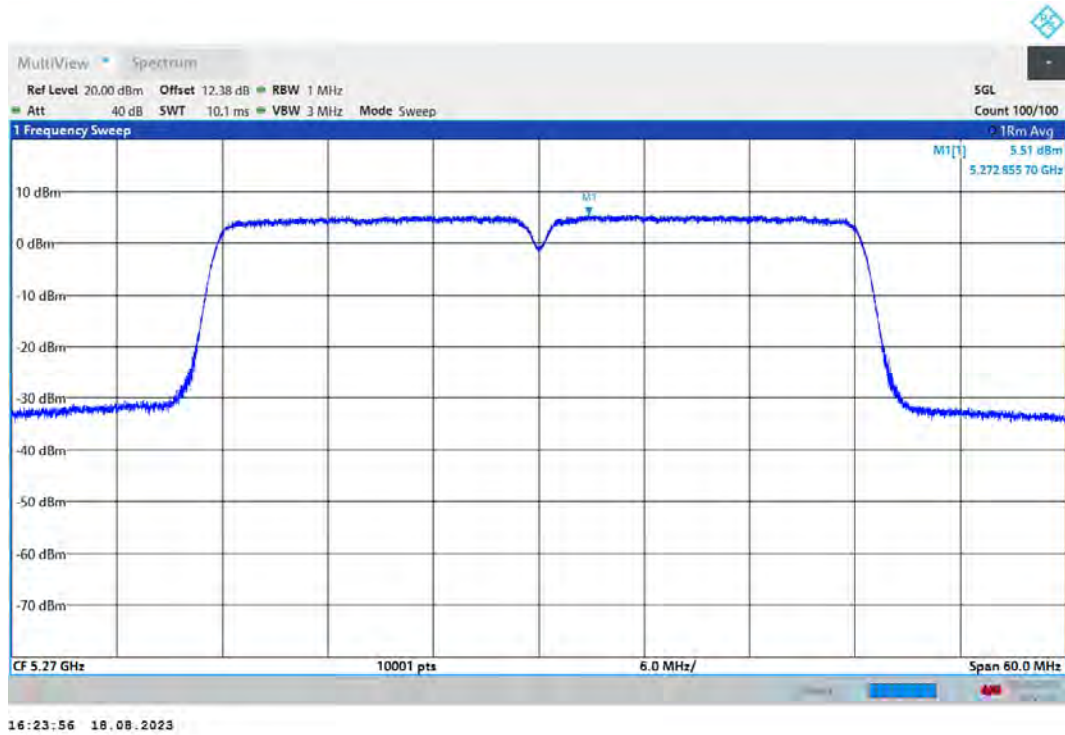
PSD 802.11ac(VHT20) 5320MHz Ant1



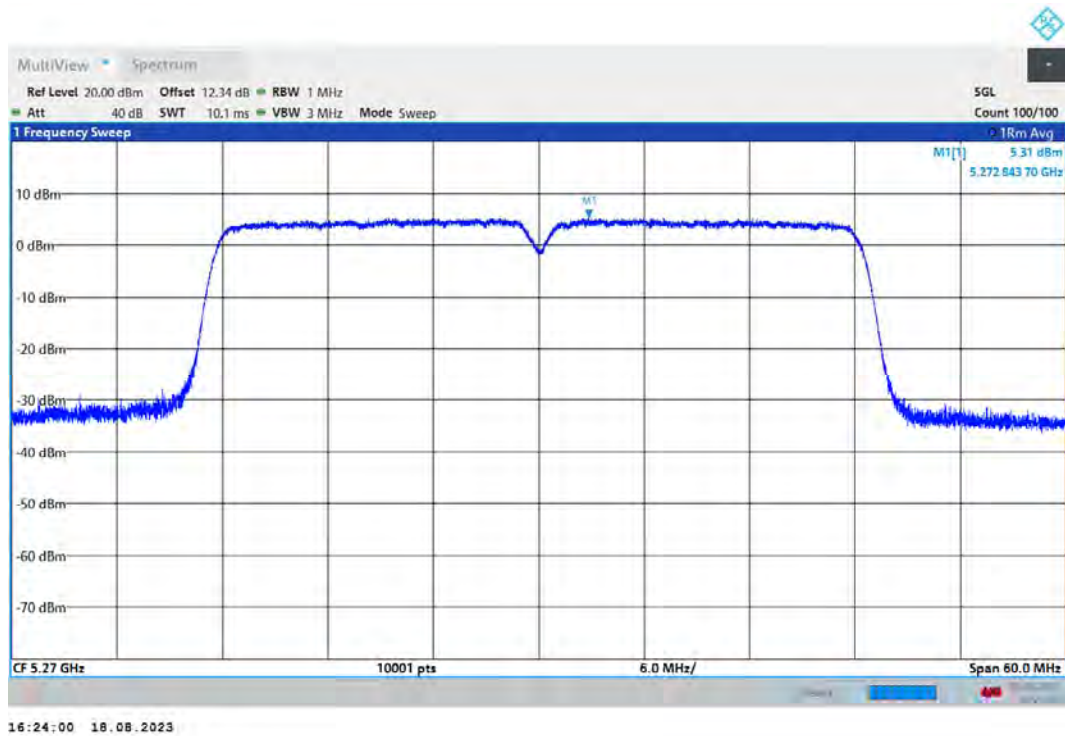
PSD 802.11ac(VHT20) 5320MHz Ant2



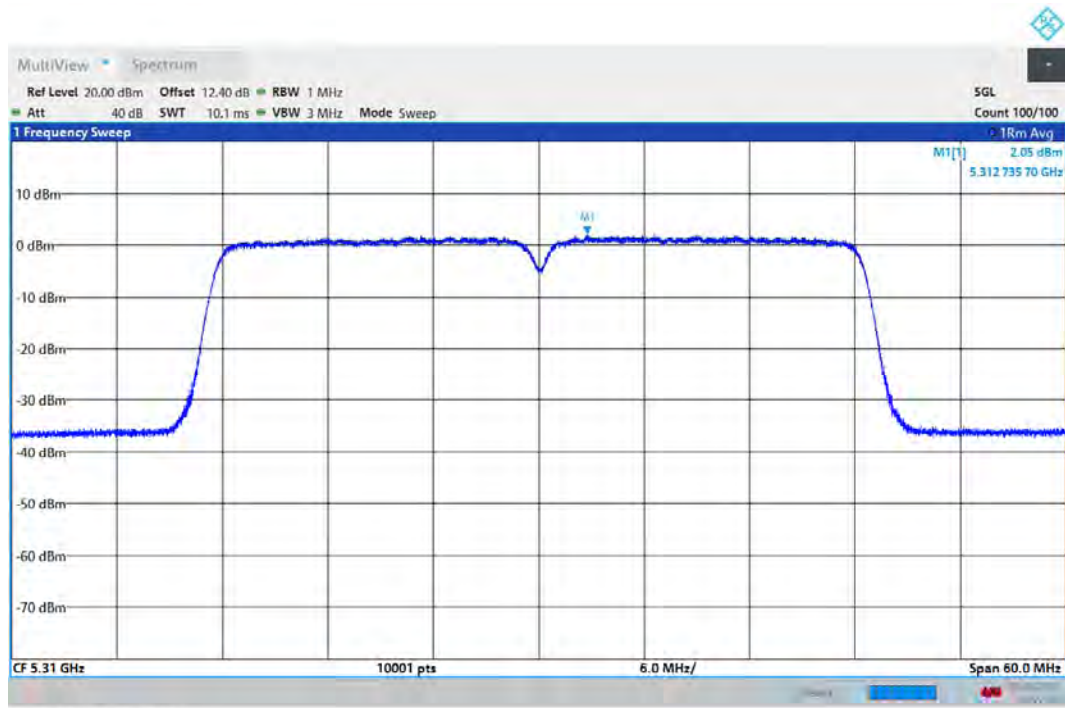
PSD 802.11ac(VHT40) 5270MHz Ant1



PSD 802.11ac(VHT40) 5270MHz Ant2

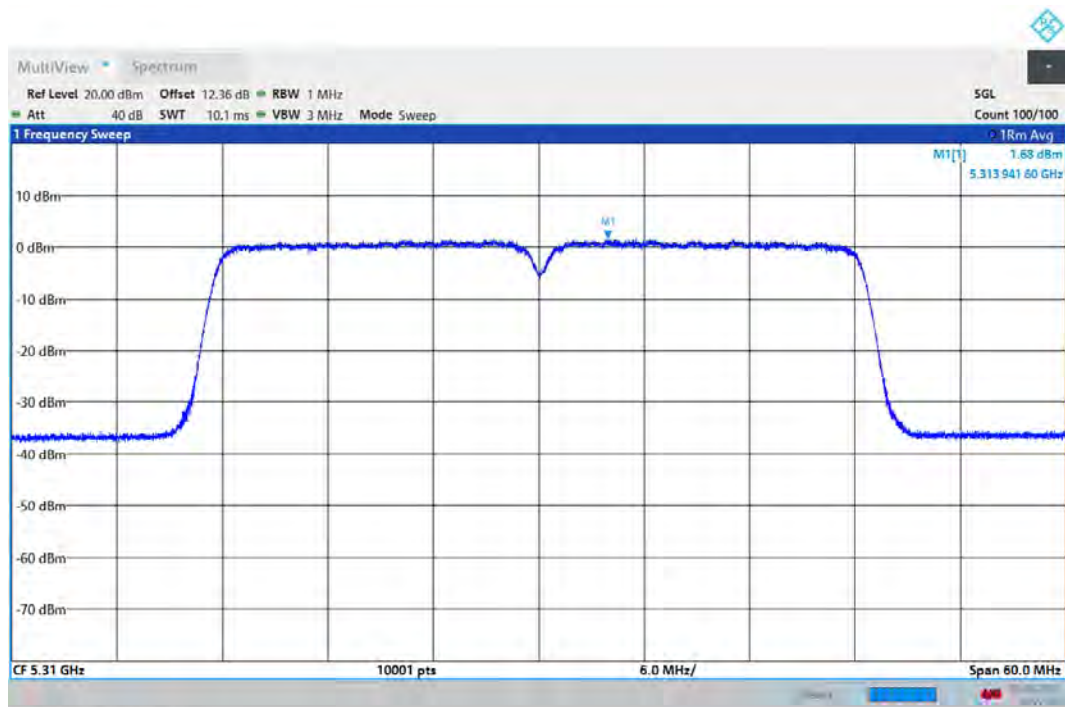


PSD 802.11ac(VHT40) 5310MHz Ant1



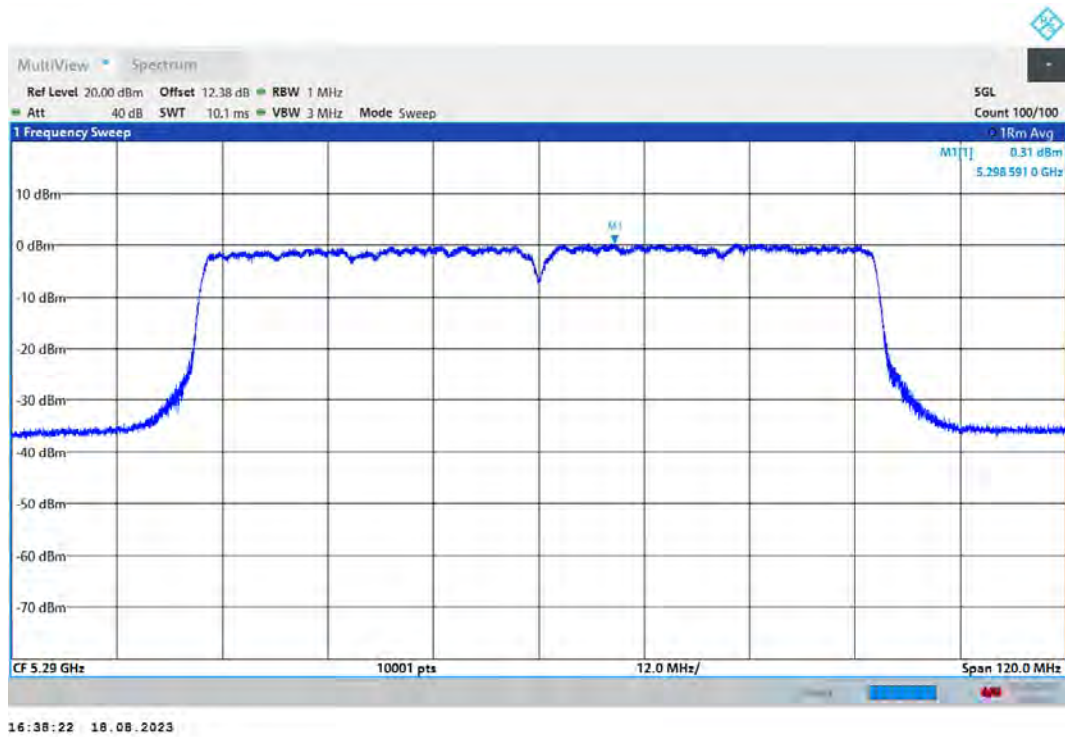
16:27:50 18.08.2023

PSD 802.11ac(VHT40) 5310MHz Ant2

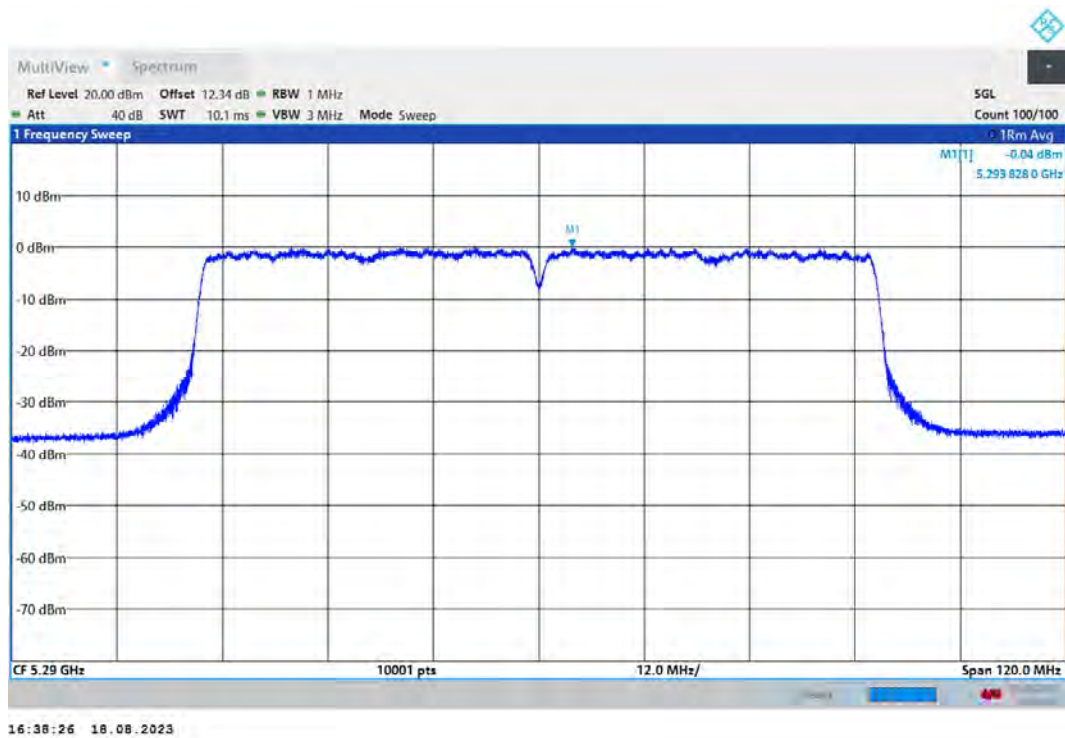


16:27:54 18.08.2023

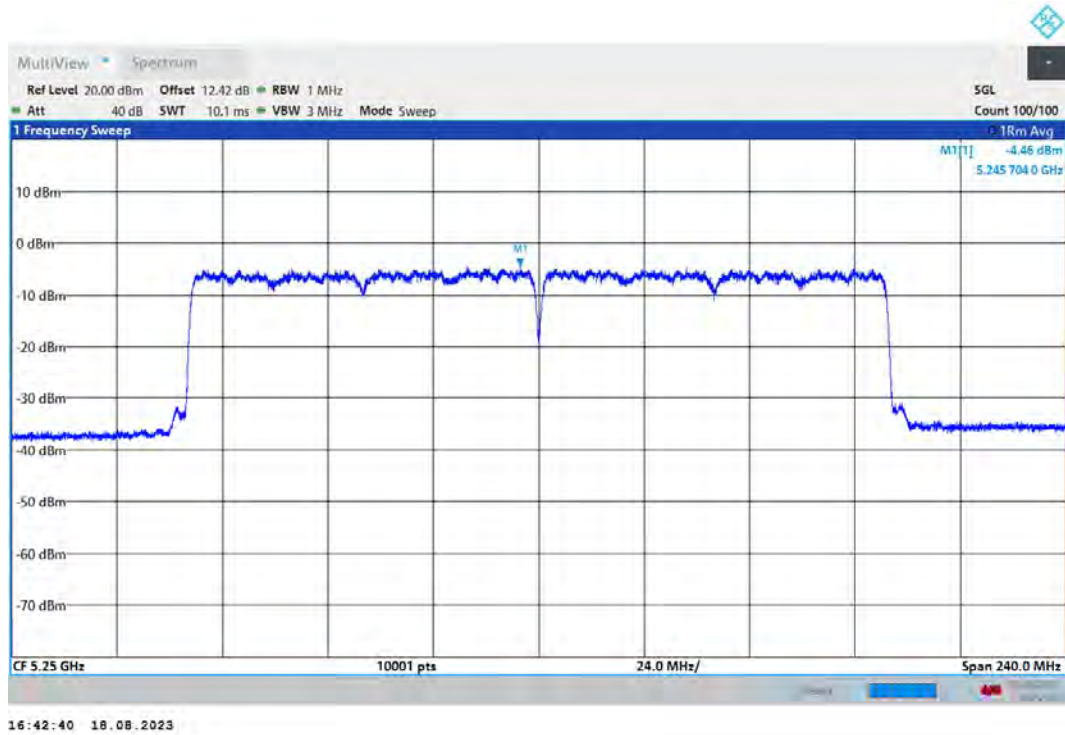
PSD 802.11ac(VHT80) 5290MHz Ant1



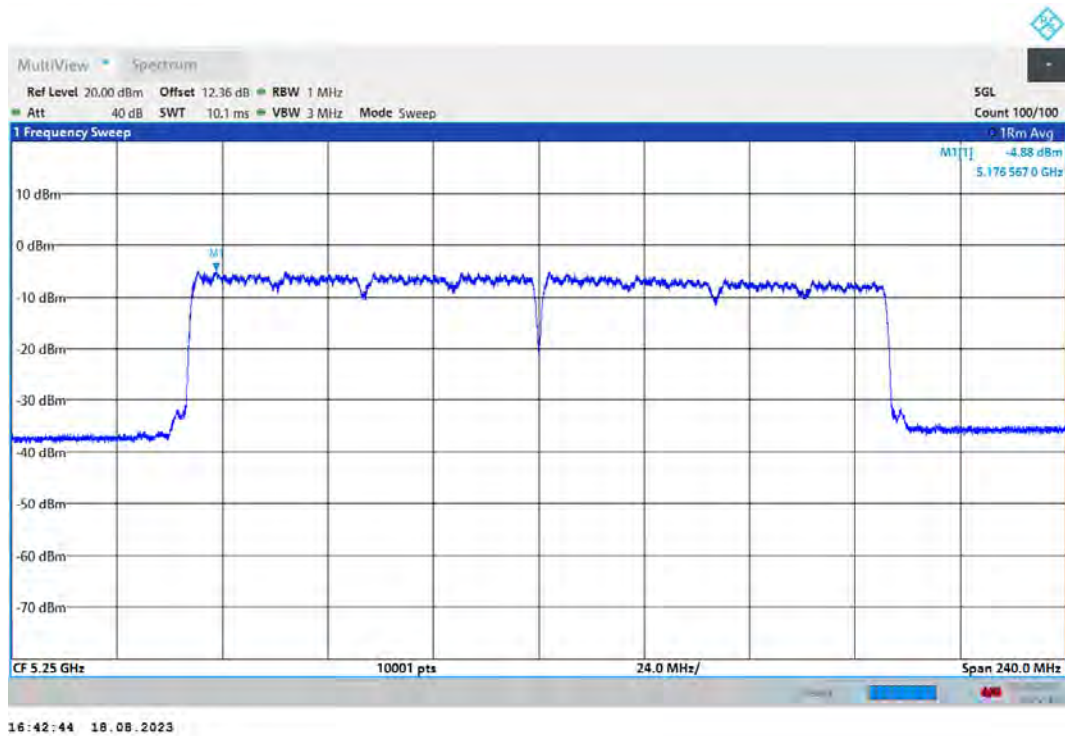
PSD 802.11ac(VHT80) 5290MHz Ant2



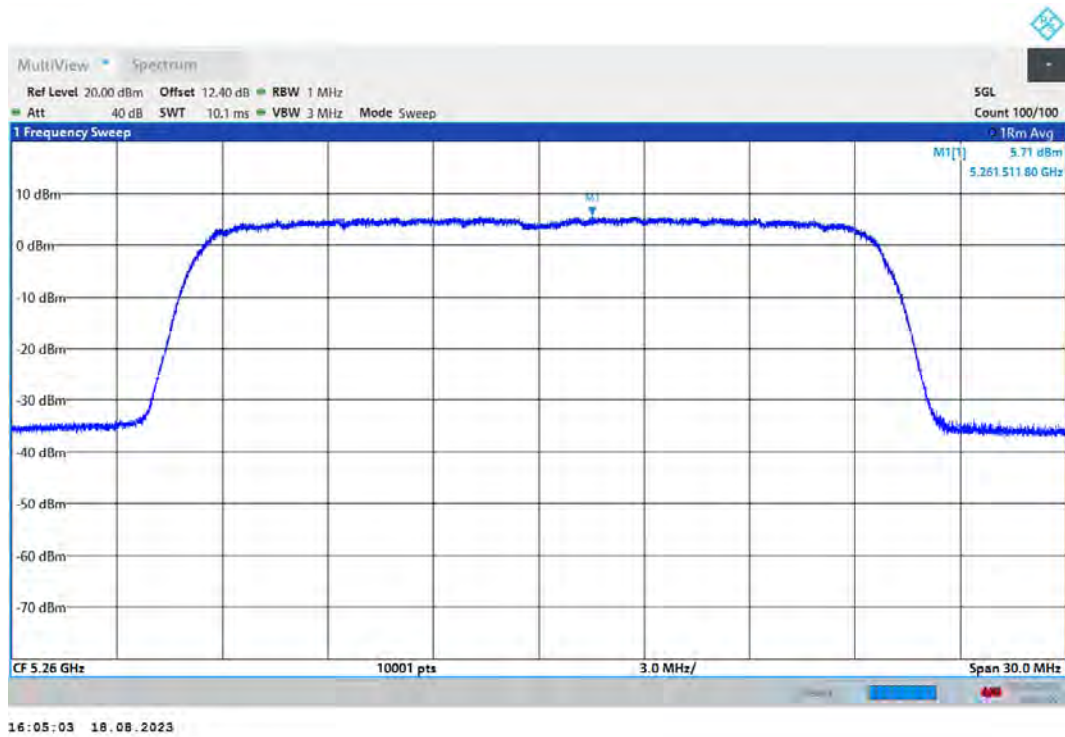
PSD 802.11ax(HE160) 5250MHz Ant1



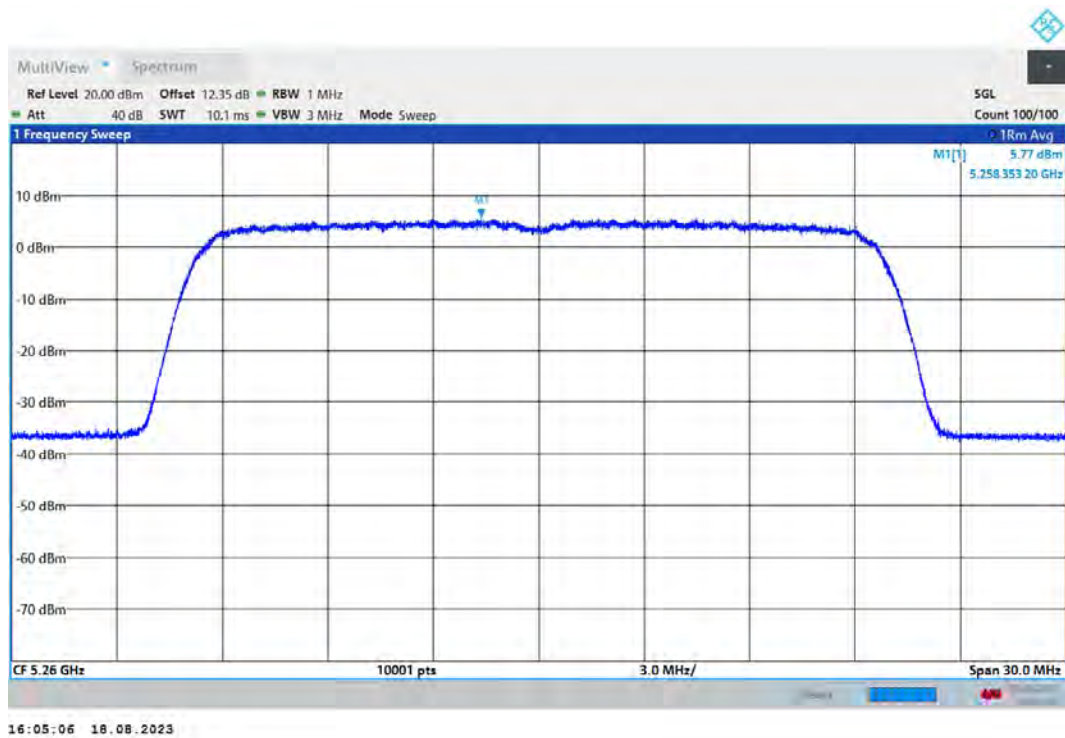
PSD 802.11ax(HE160) 5250MHz Ant2



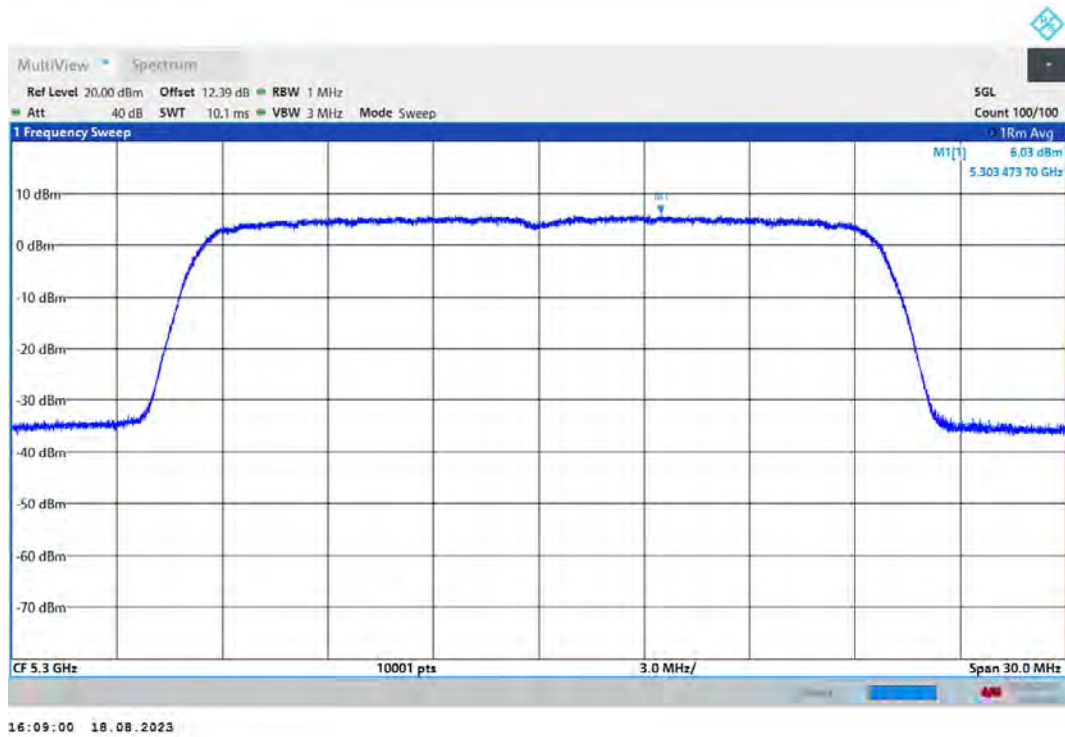
PSD 802.11ax(HE20) 5260MHz Ant1



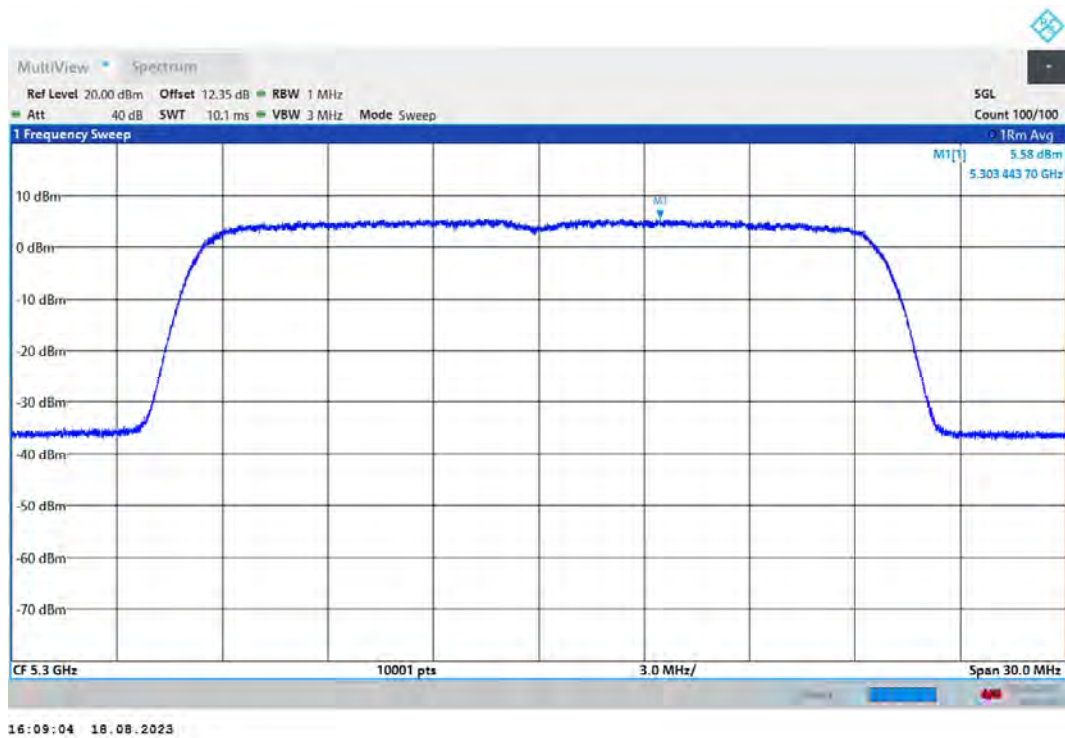
PSD 802.11ax(HE20) 5260MHz Ant2



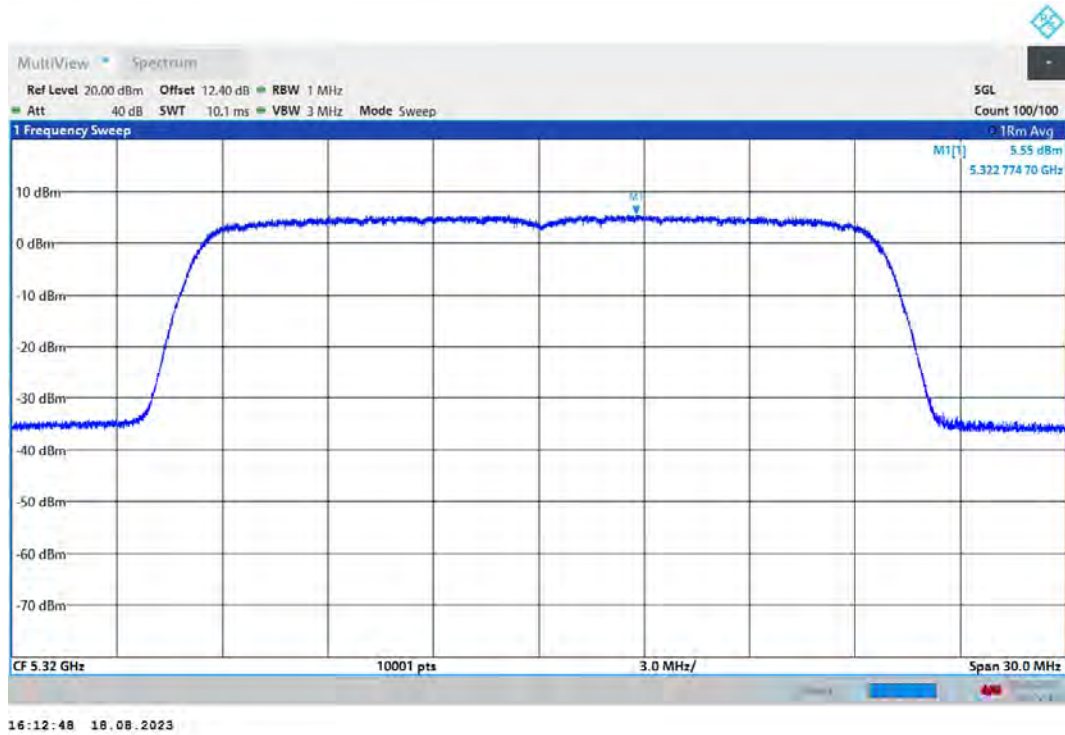
PSD 802.11ax(HE20) 5300MHz Ant1



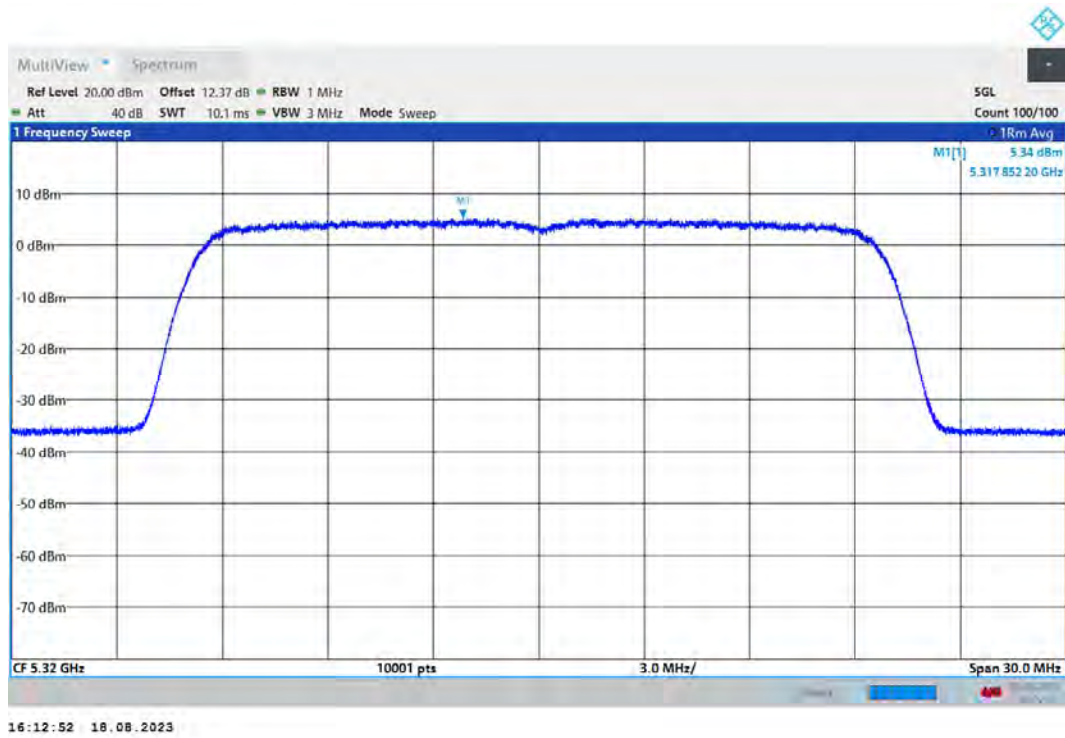
PSD 802.11ax(HE20) 5300MHz Ant2



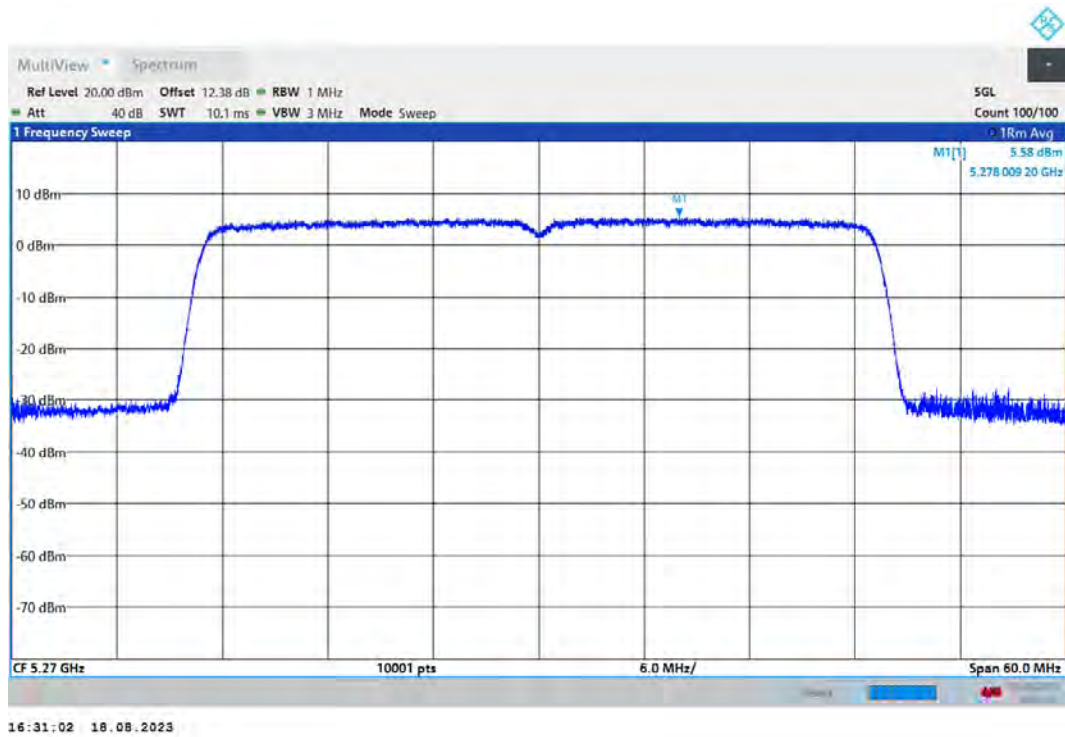
PSD 802.11ax(HE20) 5320MHz Ant1



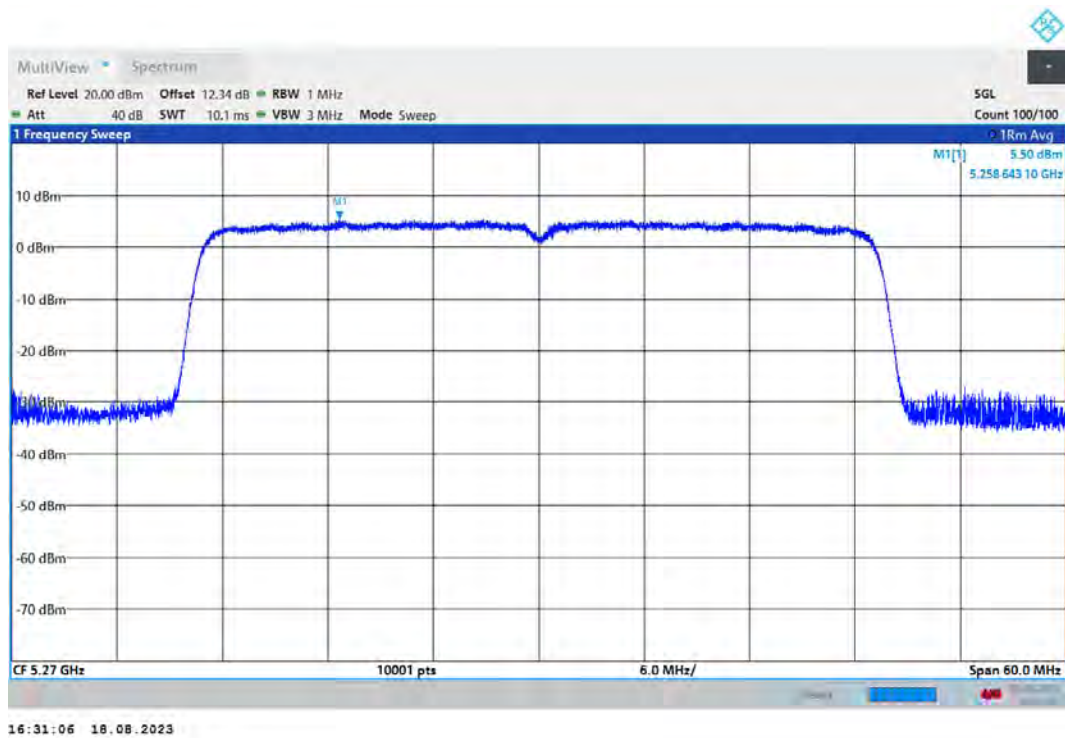
PSD 802.11ax(HE20) 5320MHz Ant2



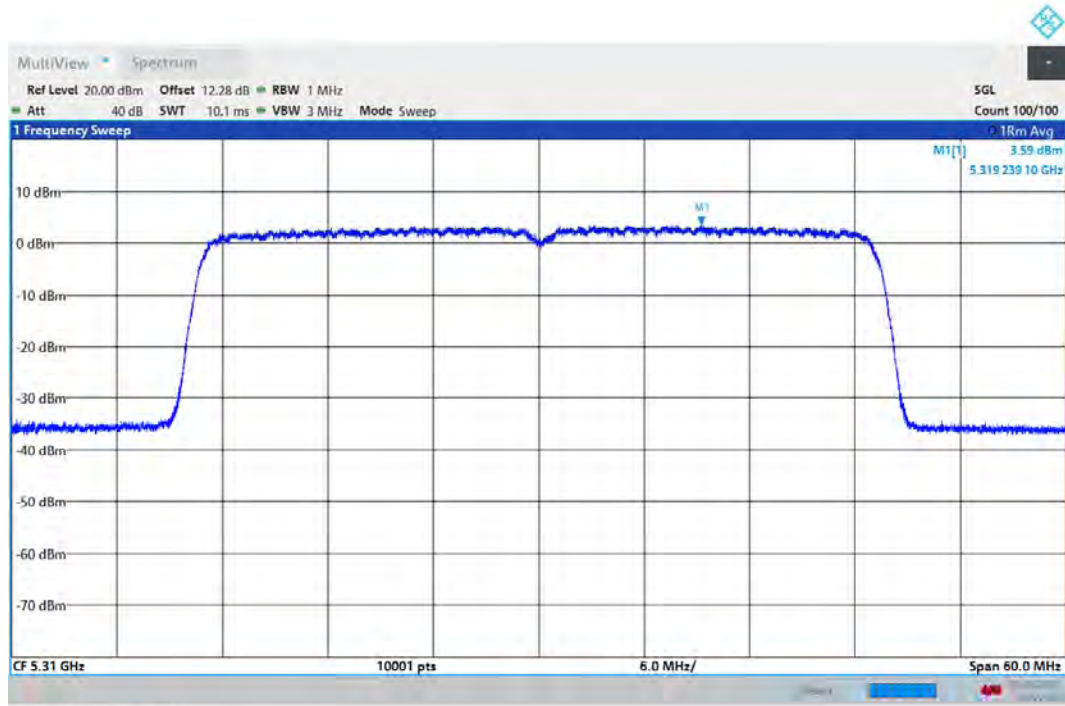
PSD 802.11ax(HE40) 5270MHz Ant1



PSD 802.11ax(HE40) 5270MHz Ant2

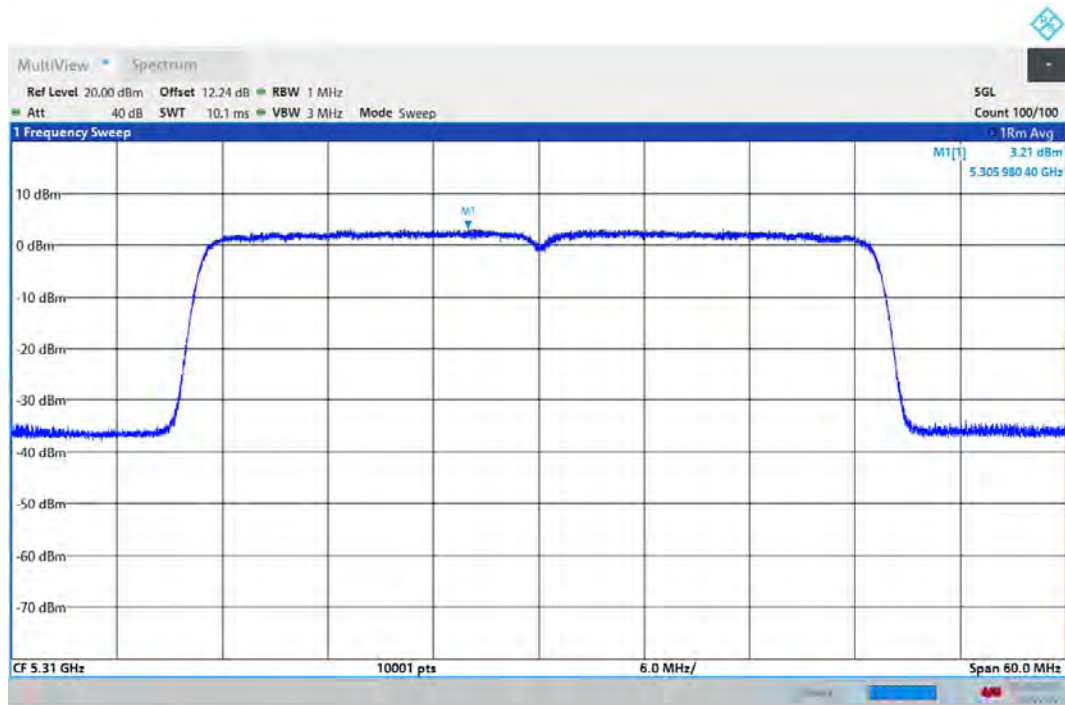


PSD 802.11ax(HE40) 5310MHz Ant1



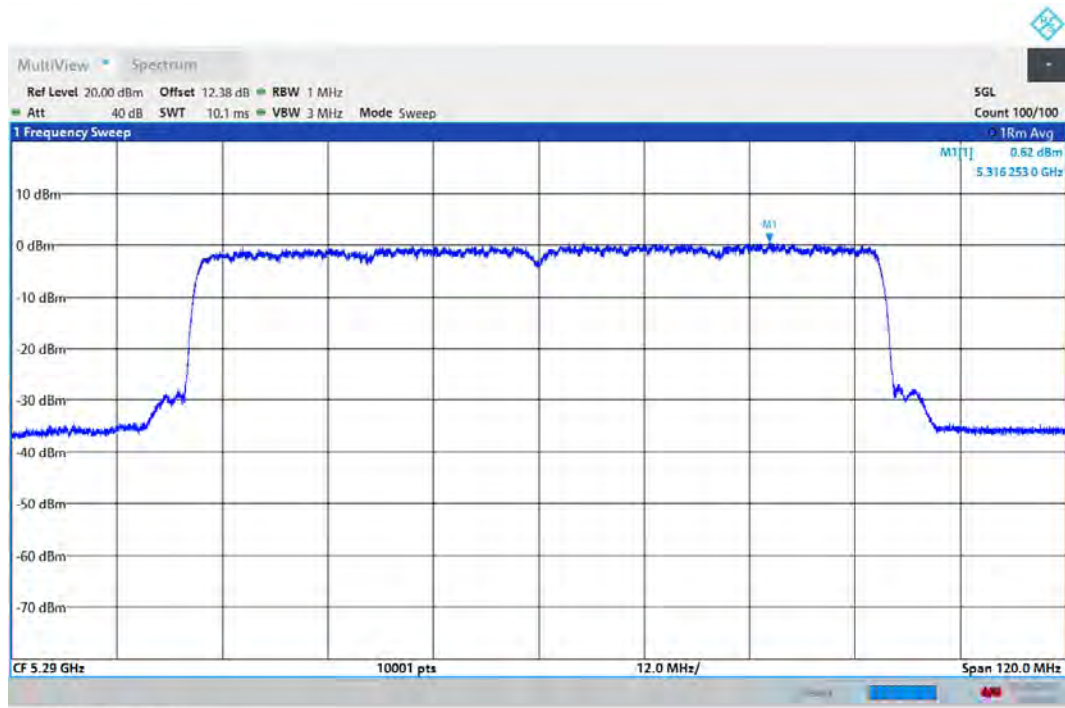
16:22:29 19.08.2023

PSD 802.11ax(HE40) 5310MHz Ant2



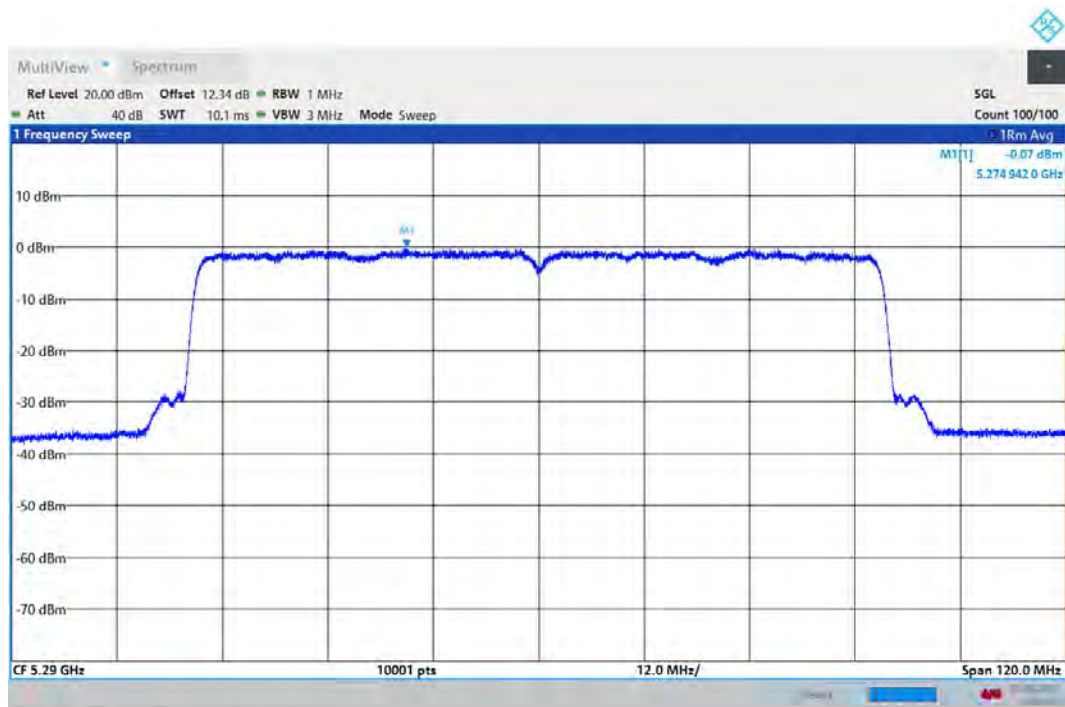
16:22:33 19.08.2023

PSD 802.11ax(HE80) 5290MHz Ant1



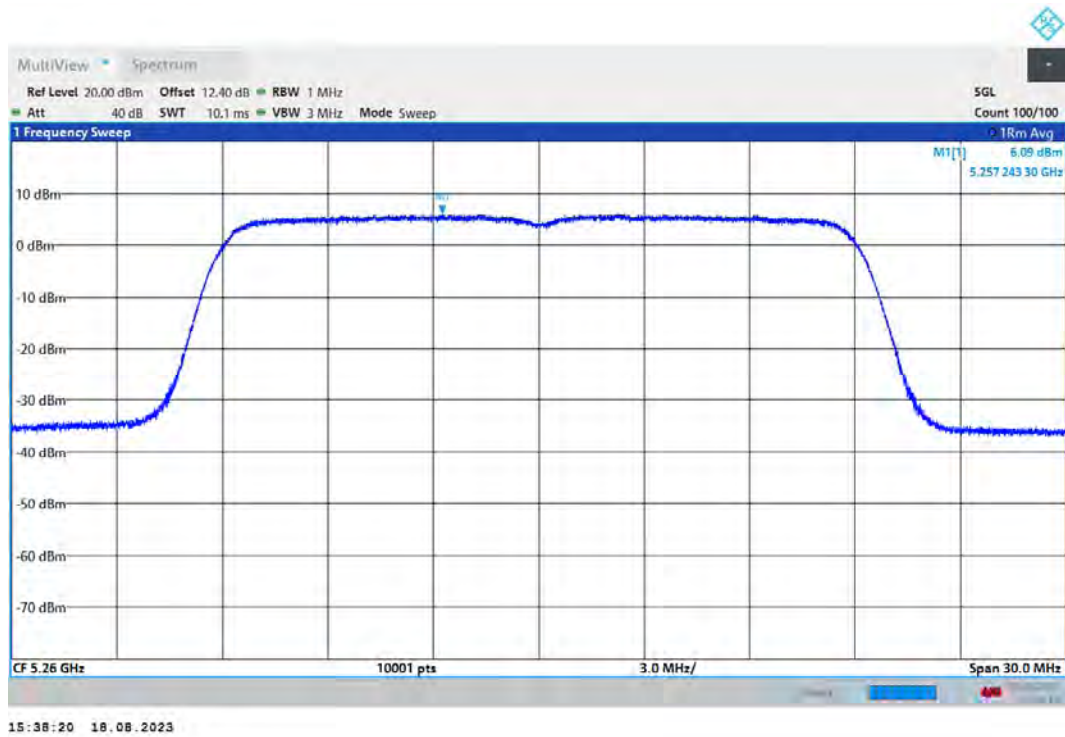
16:40:56 18.08.2023

PSD 802.11ax(HE80) 5290MHz Ant2

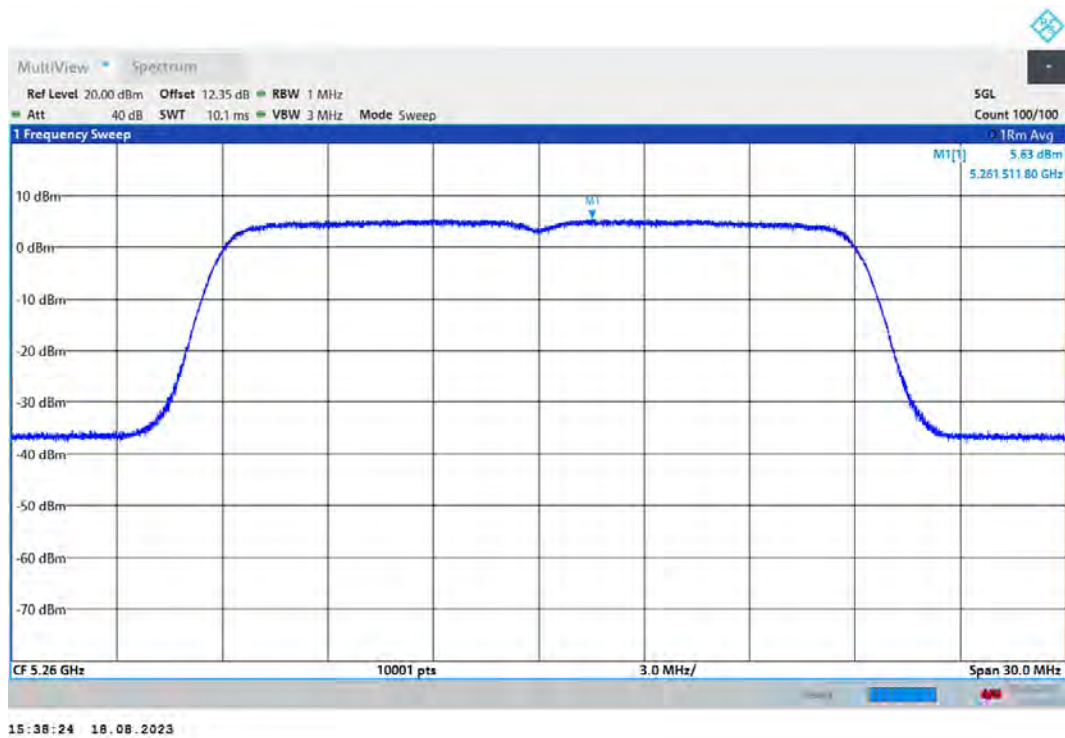


16:41:00 18.08.2023

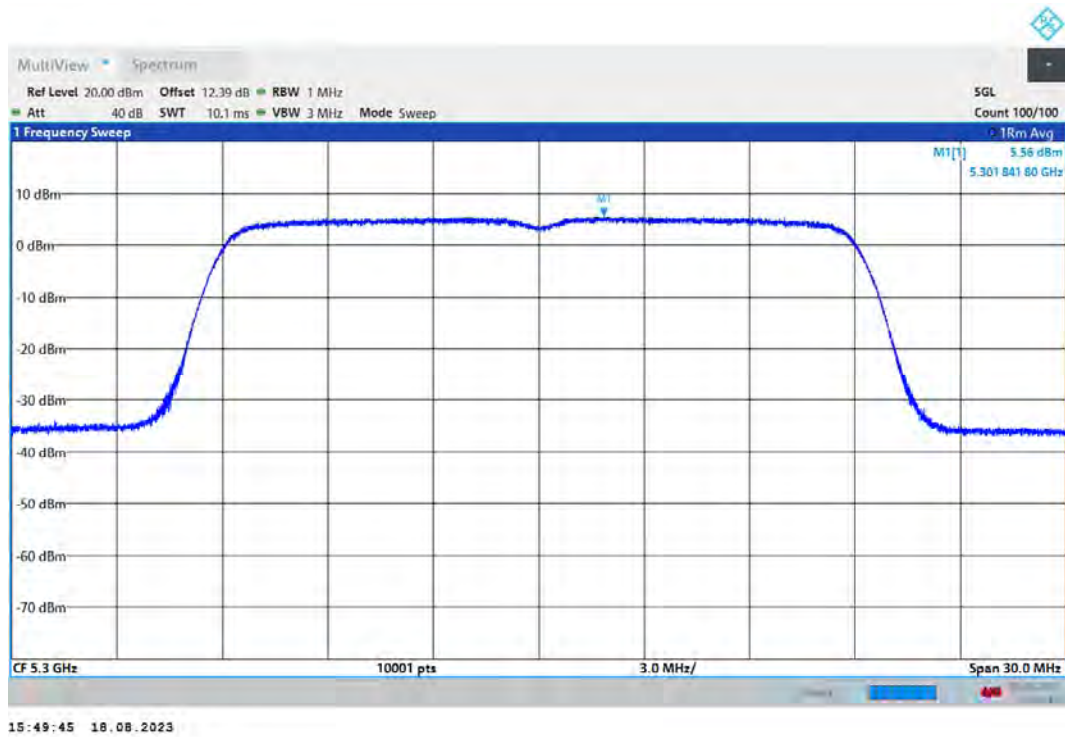
PSD 802.11n(HT20) 5260MHz Ant1



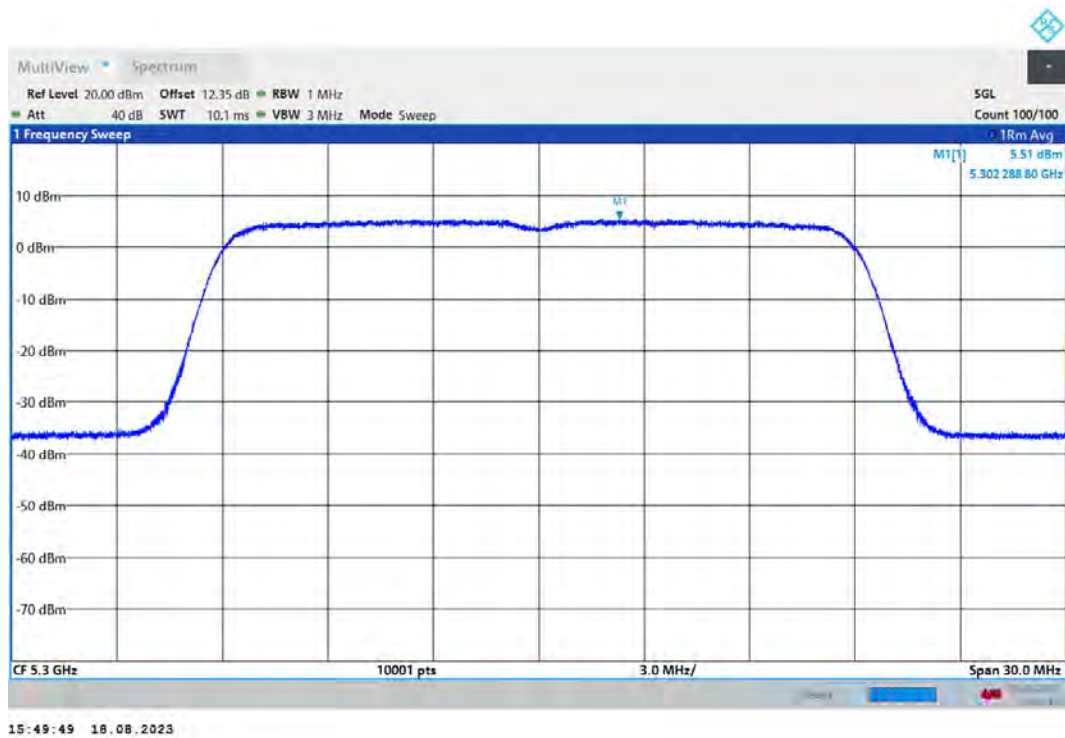
PSD 802.11n(HT20) 5260MHz Ant2



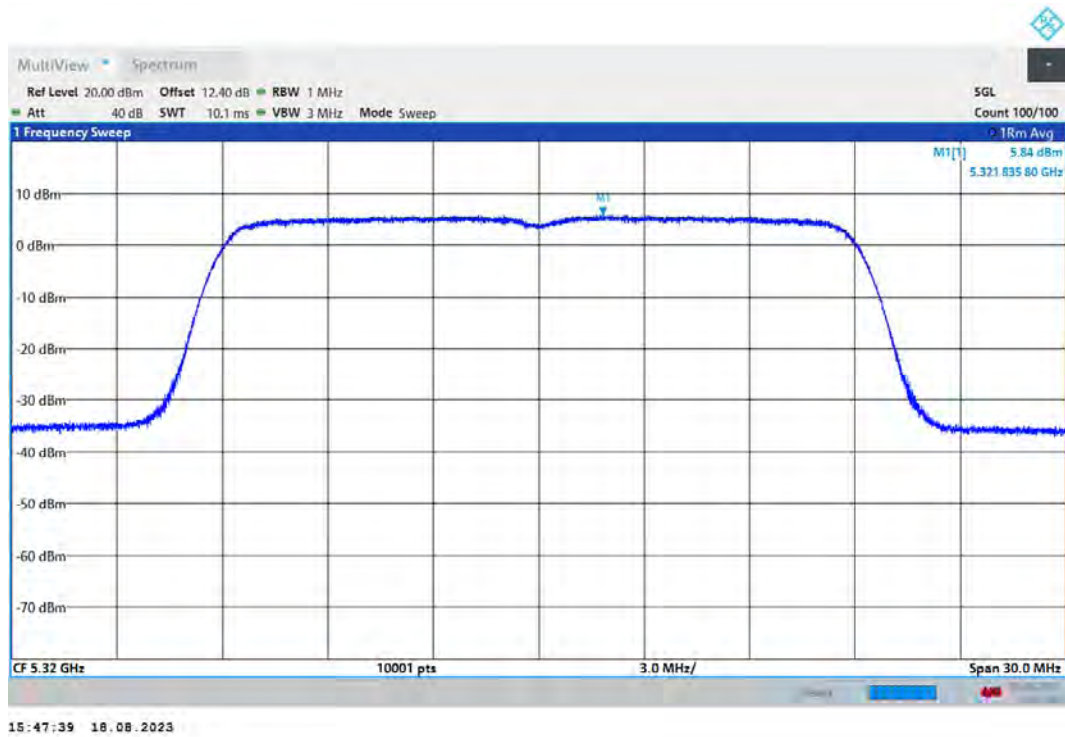
PSD 802.11n(HT20) 5300MHz Ant1



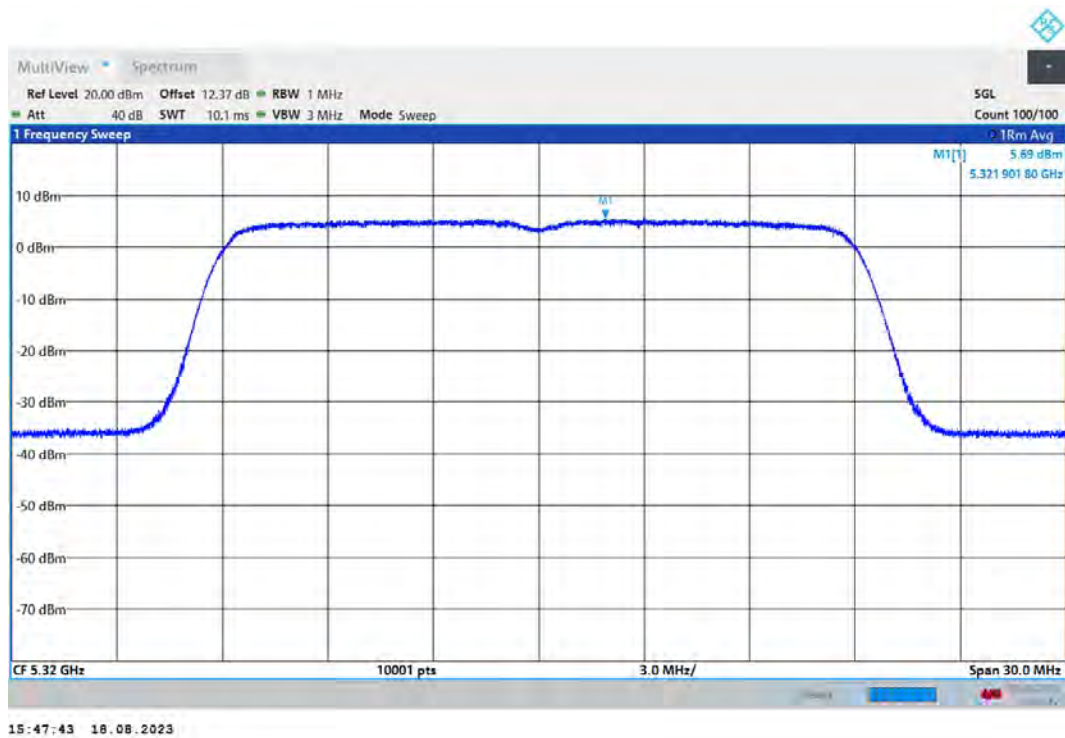
PSD 802.11n(HT20) 5300MHz Ant2



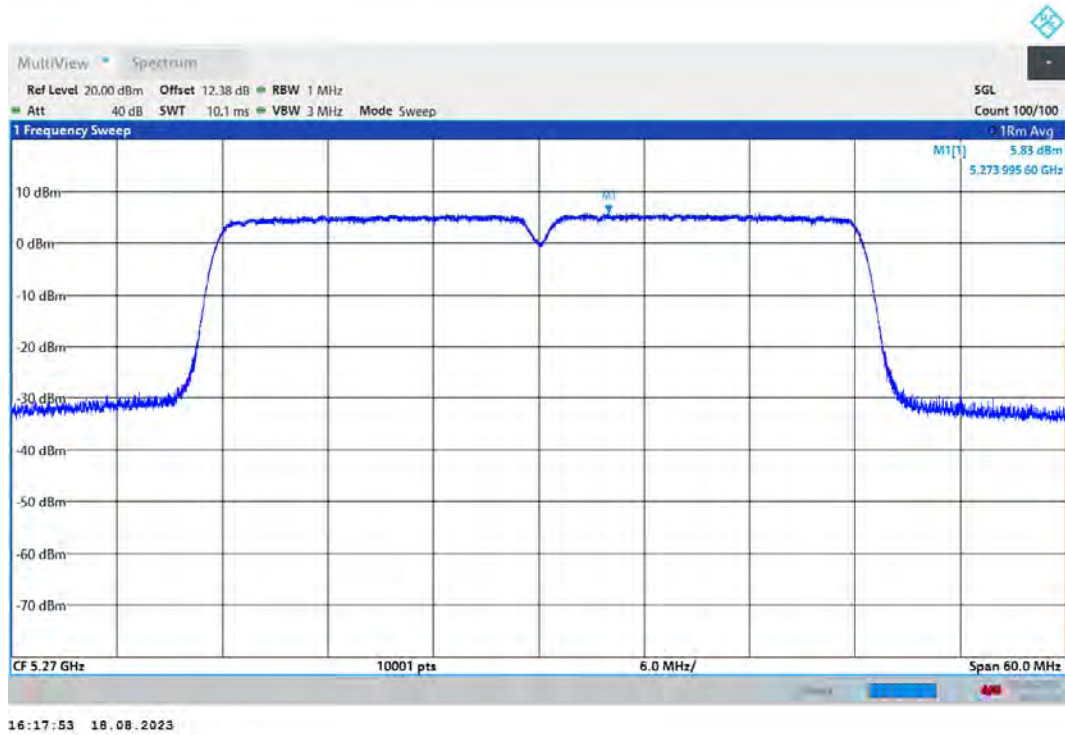
PSD 802.11n(HT20) 5320MHz Ant1



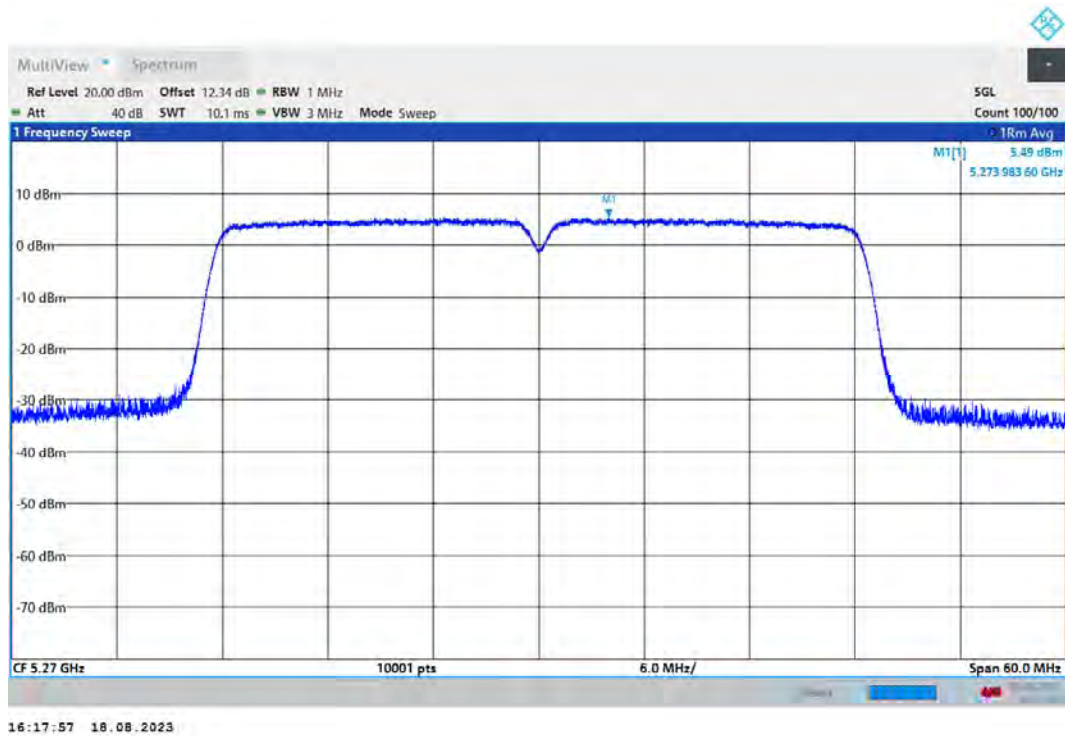
PSD 802.11n(HT20) 5320MHz Ant2



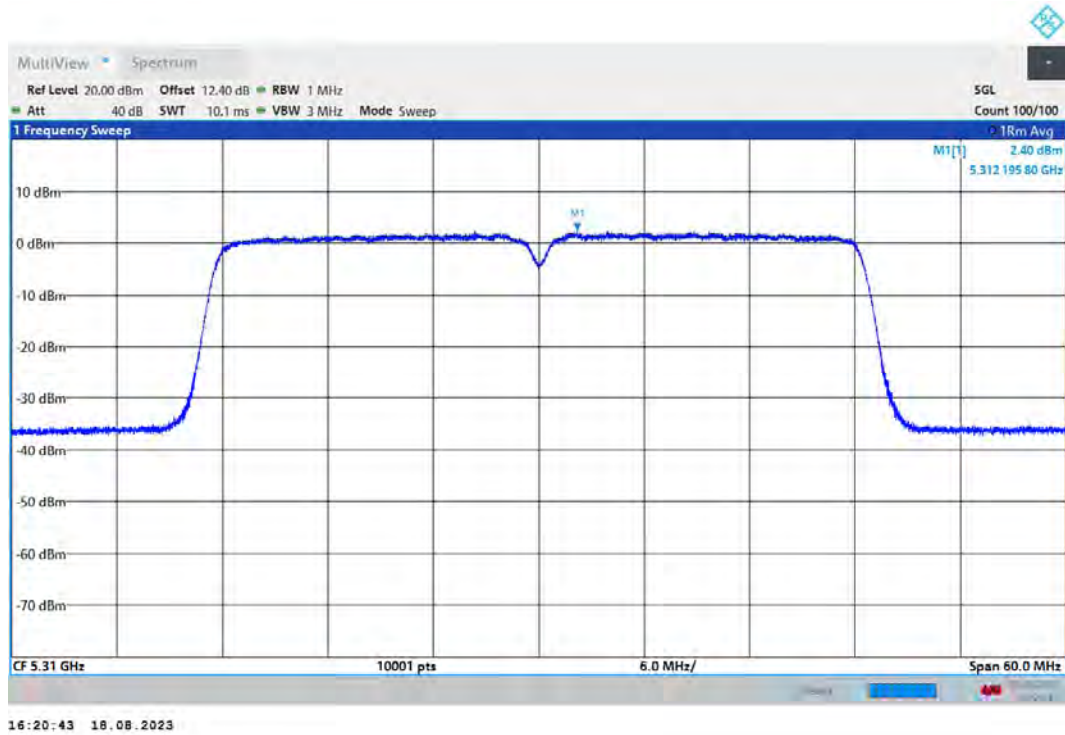
PSD 802.11n(HT40) 5270MHz Ant1



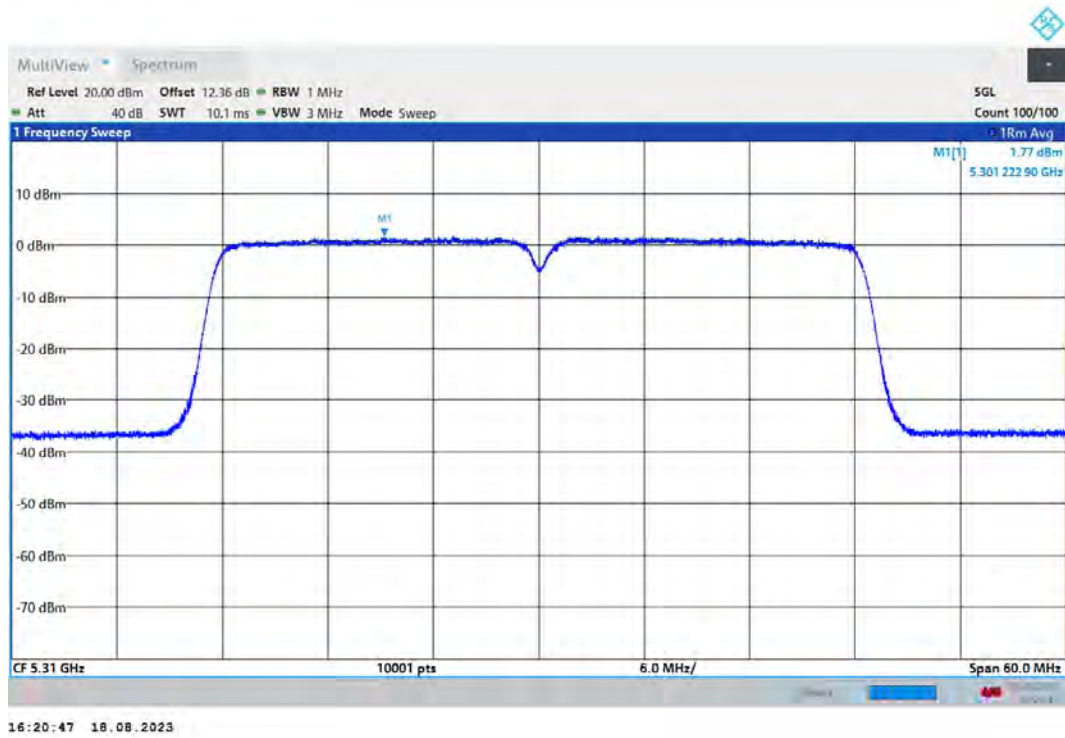
PSD 802.11n(HT40) 5270MHz Ant2



PSD 802.11n(HT40) 5310MHz Ant1

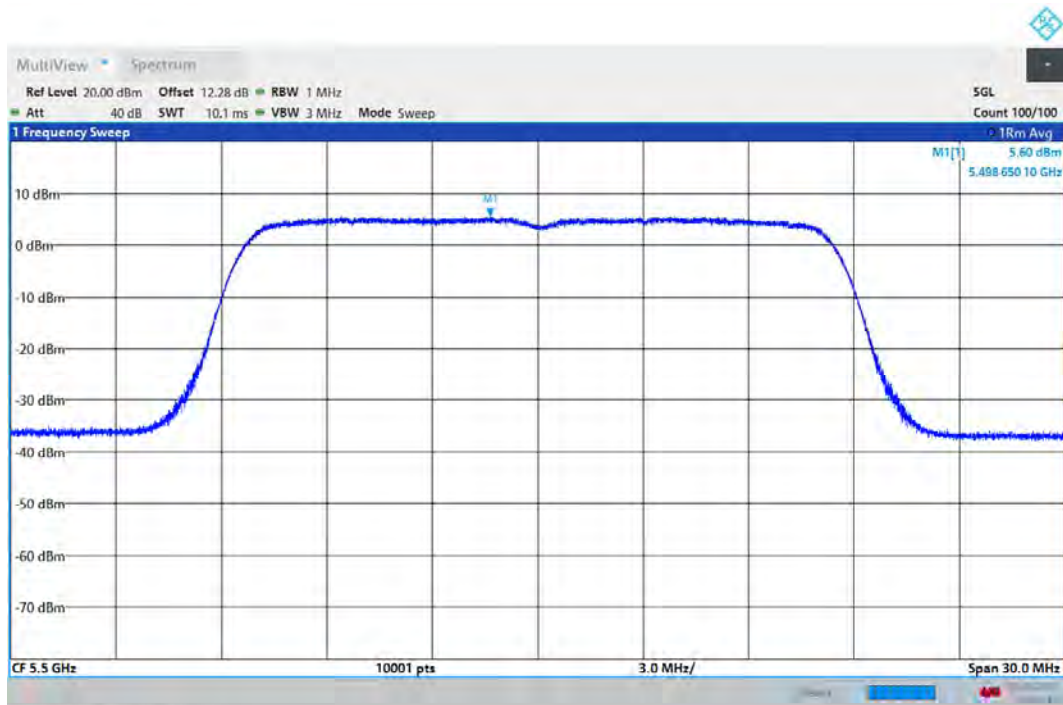


PSD 802.11n(HT40) 5310MHz Ant2

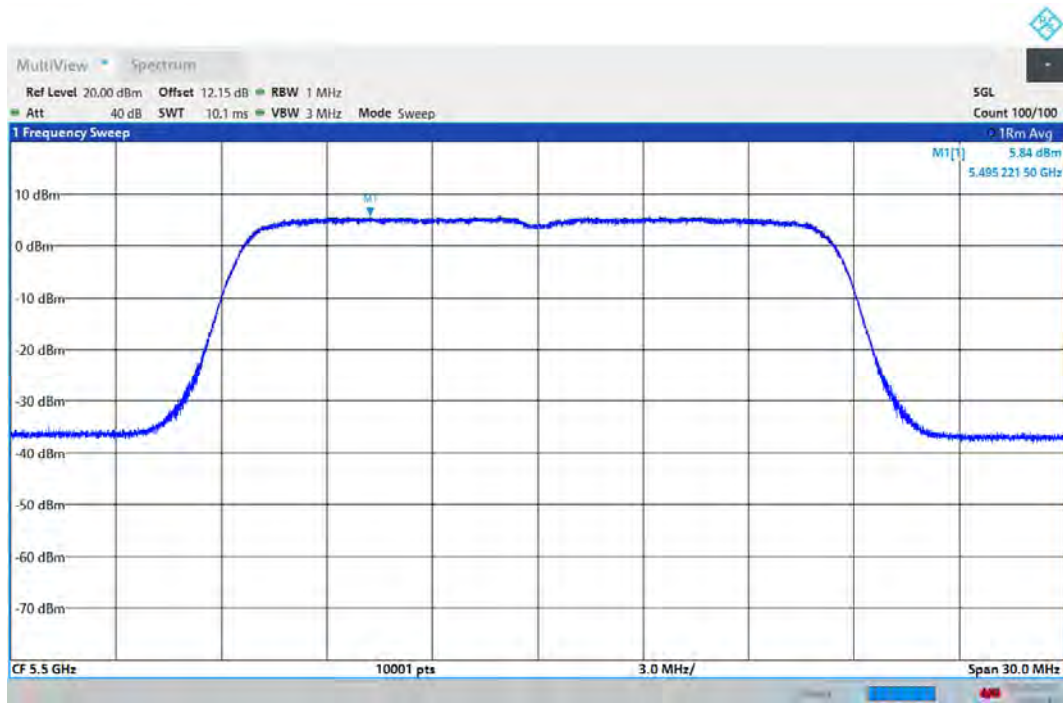


U-NII-2C

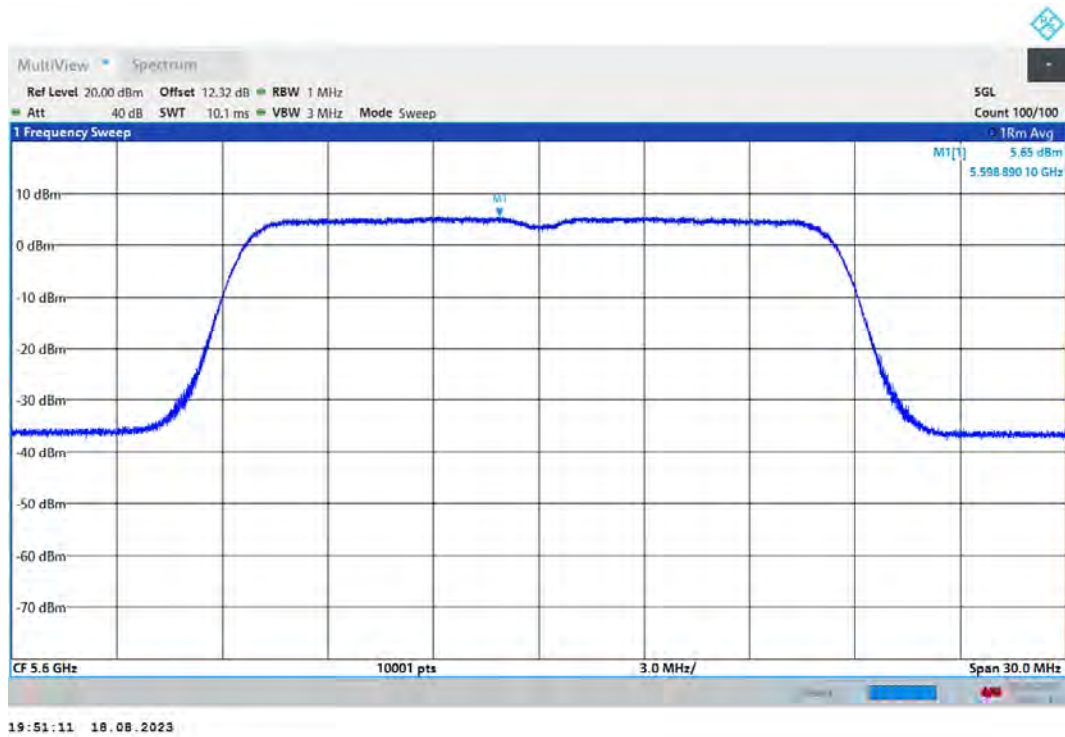
PSD 802.11a 5500MHz Ant1



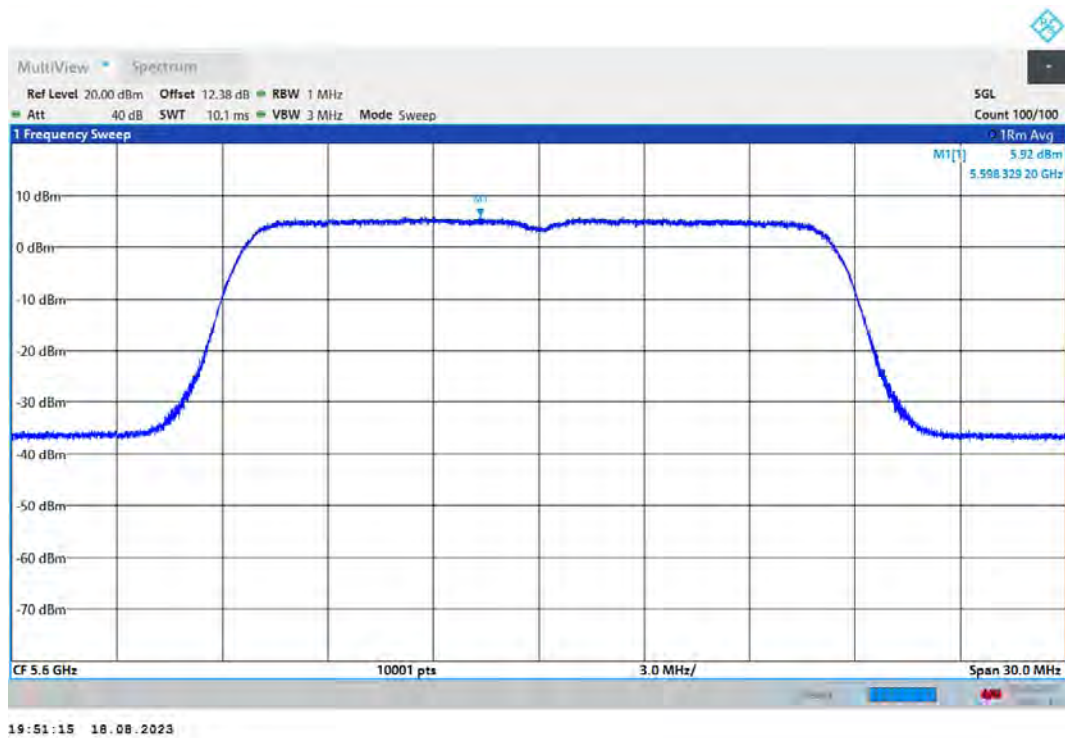
PSD 802.11a 5500MHz Ant2



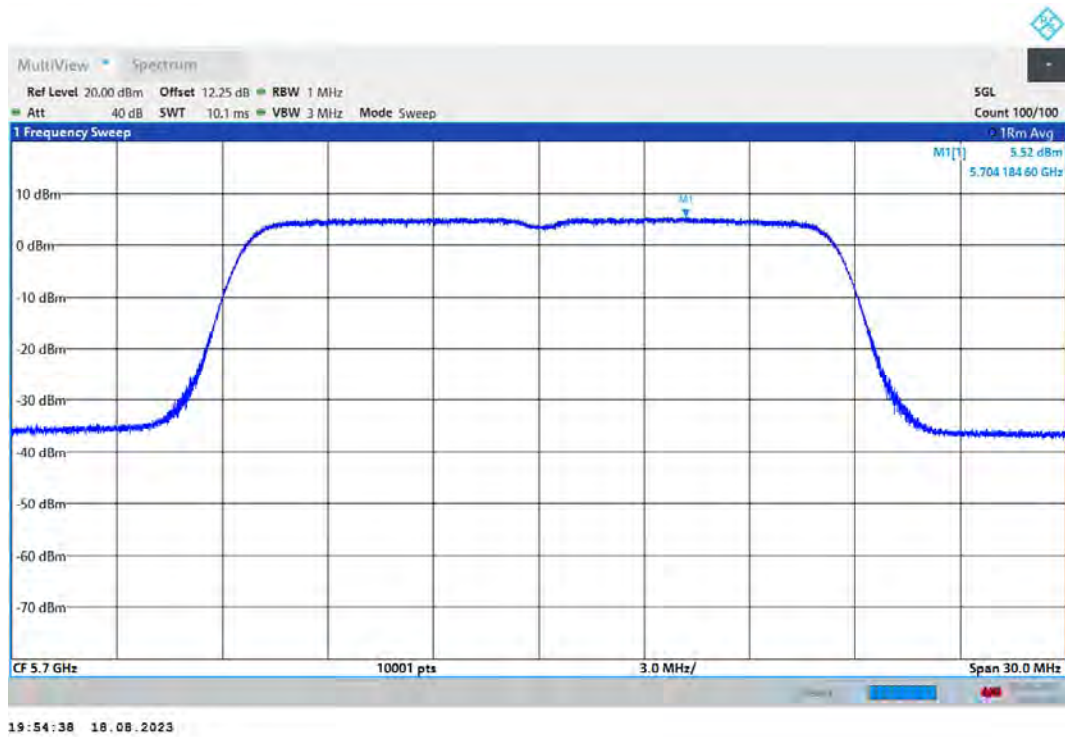
PSD 802.11a 5600MHz Ant1



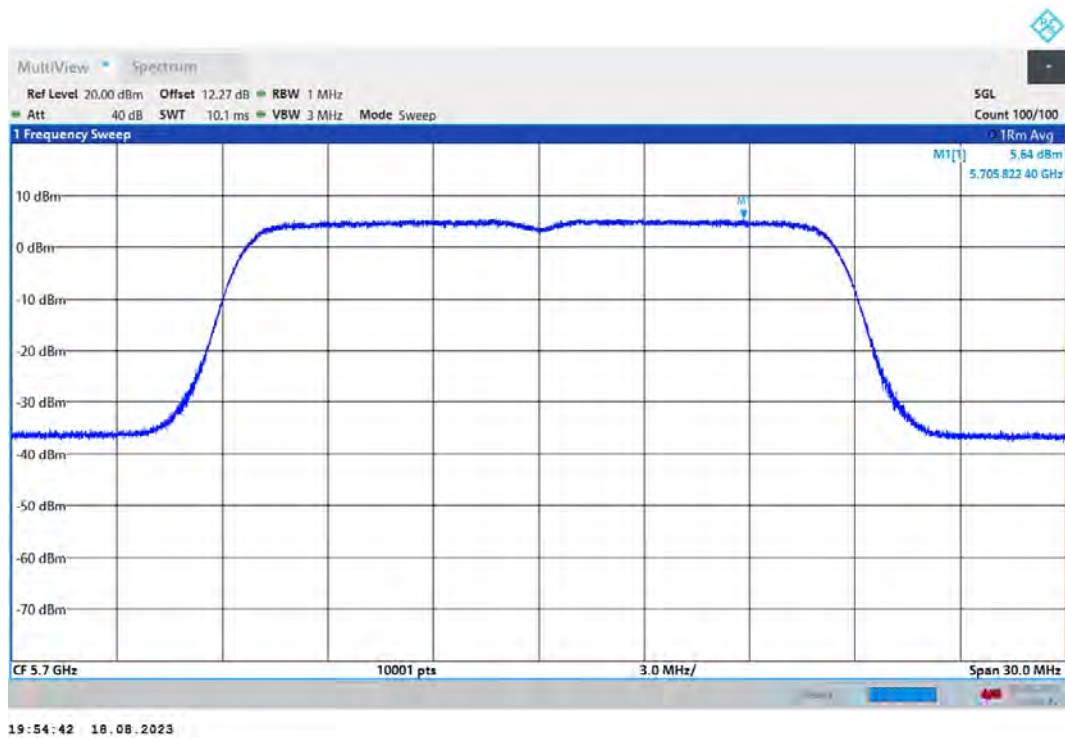
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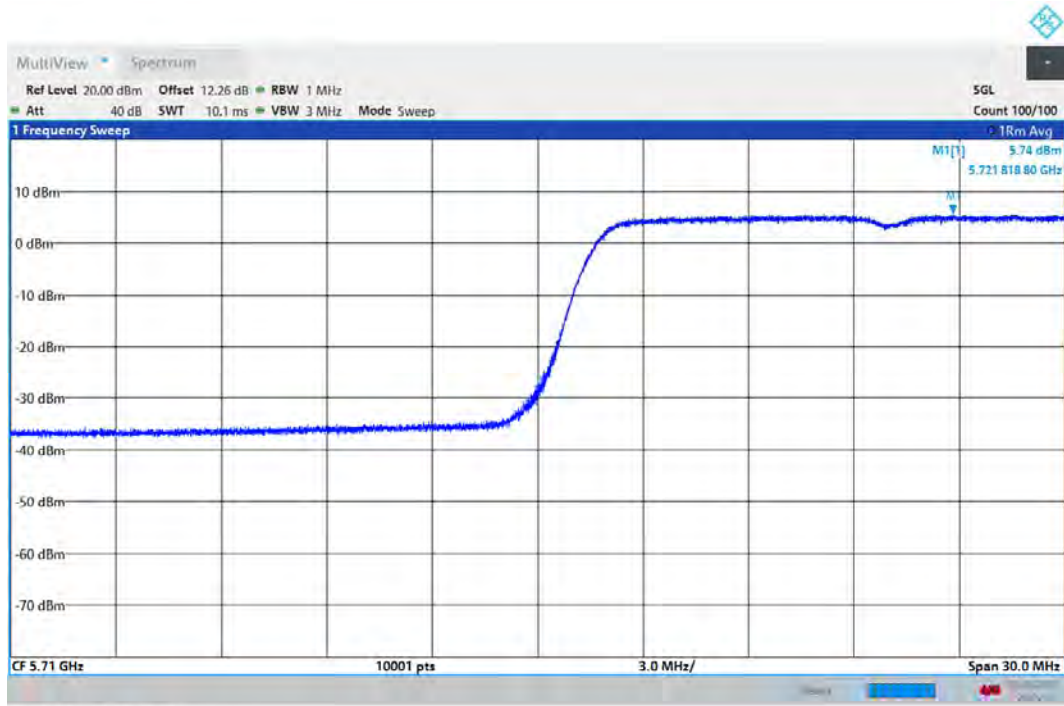
PSD 802.11a 5700MHz Ant1



PSD 802.11a 5700MHz Ant2

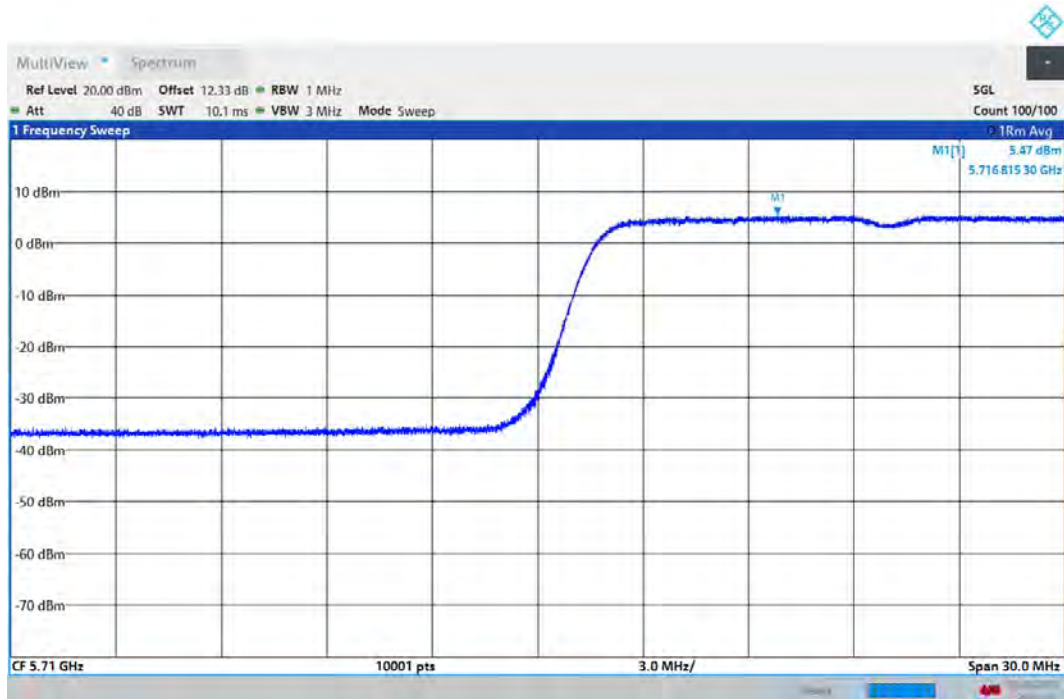


PSD 802.11a 5720MHz Ant1



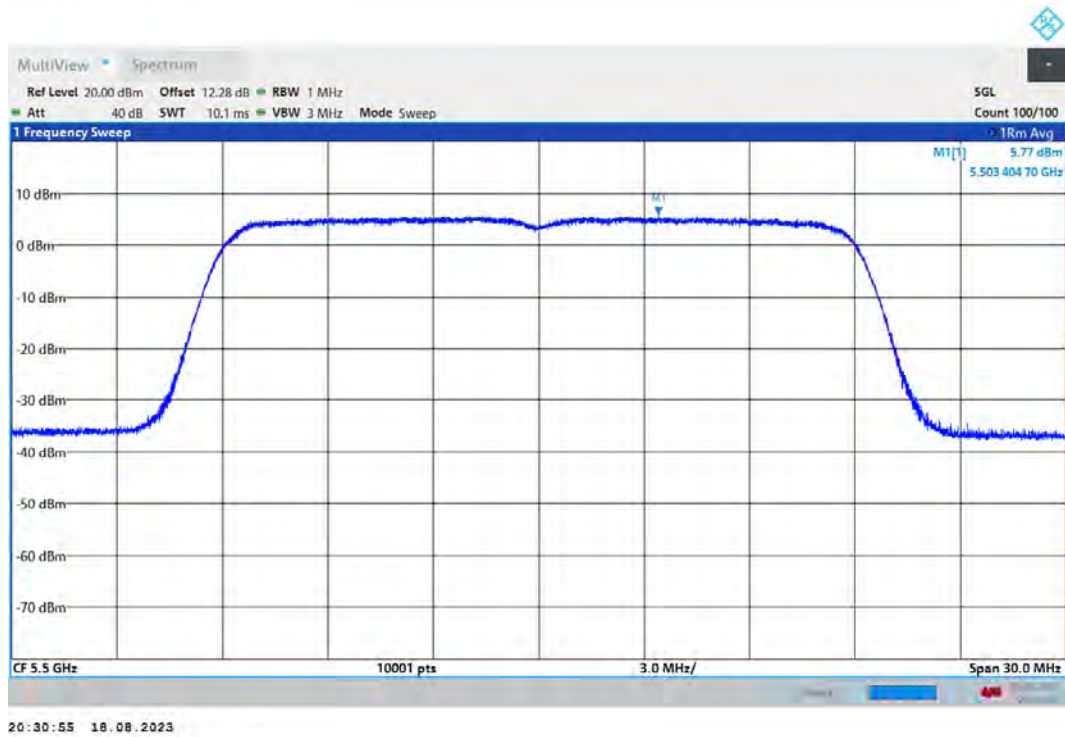
20:02:57 18.08.2023

PSD 802.11a 5720MHz Ant2

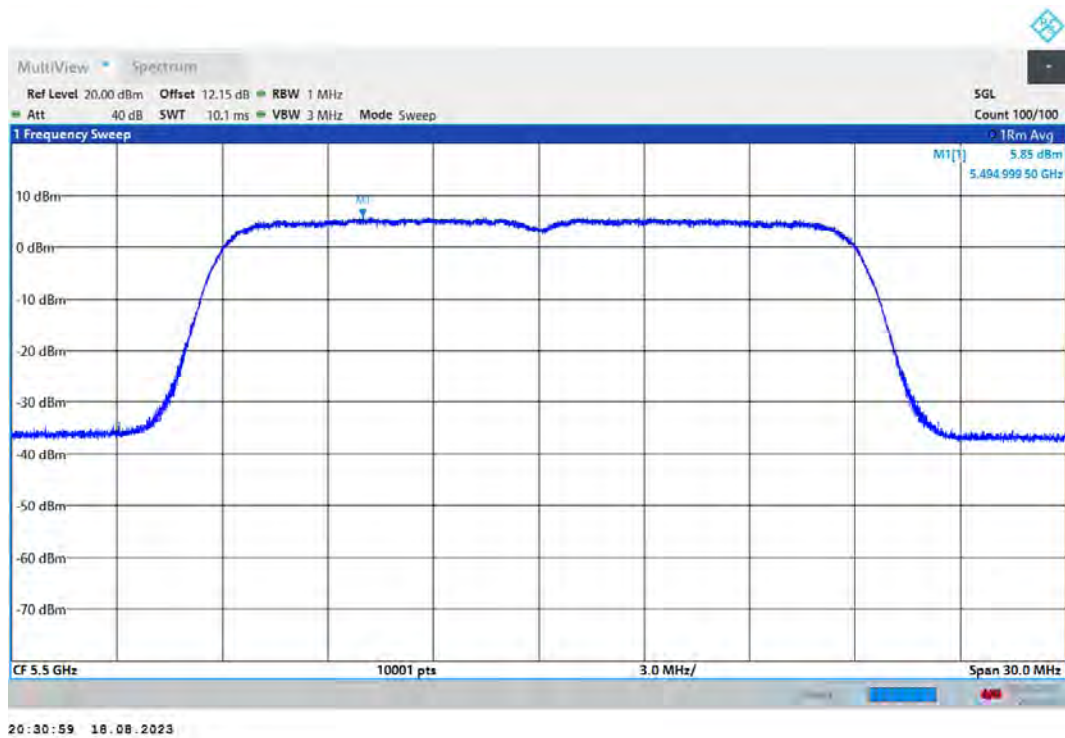


20:03:01 18.08.2023

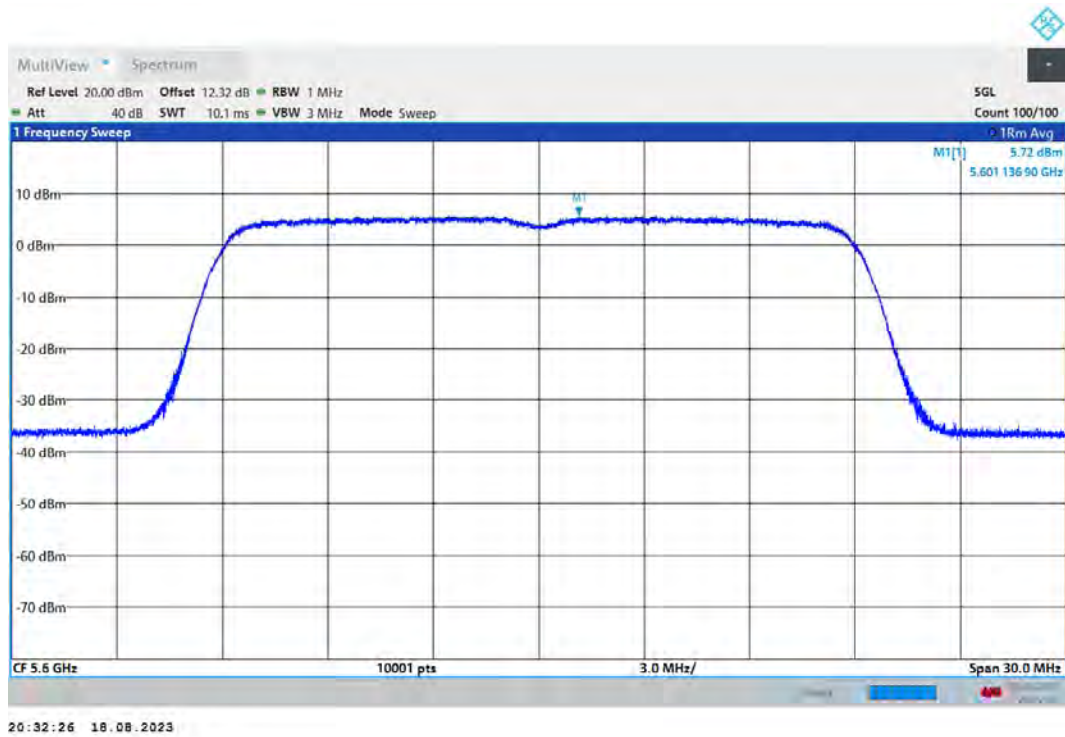
PSD 802.11ac(VHT20) 5500MHz Ant1



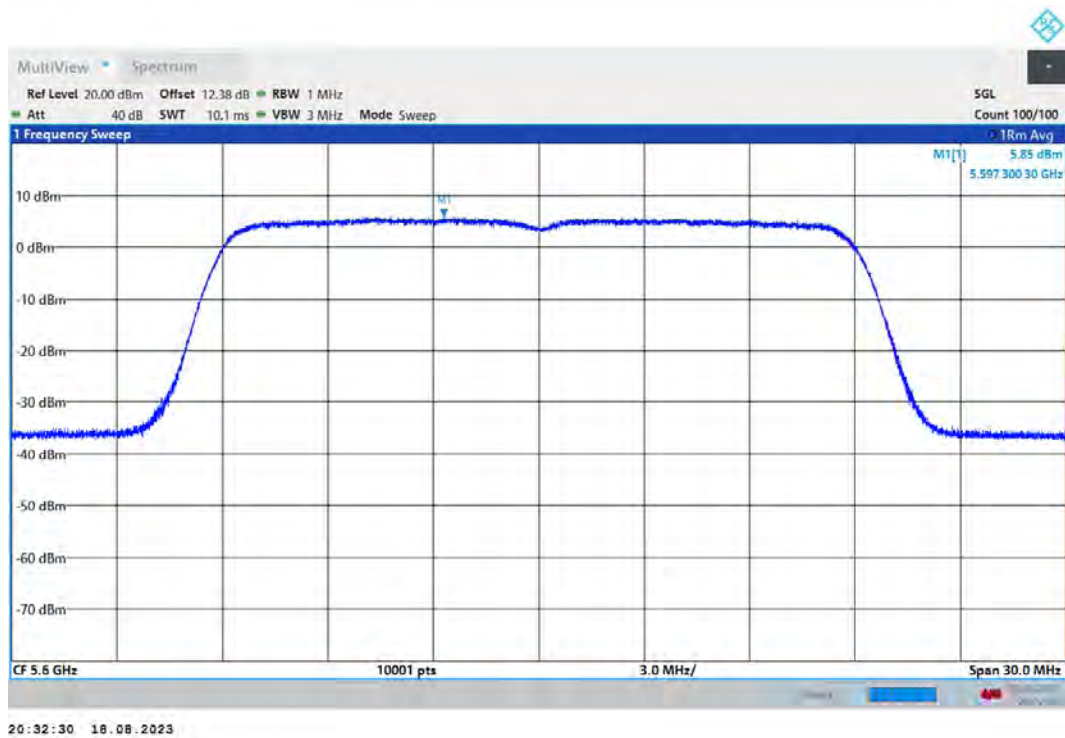
PSD 802.11ac(VHT20) 5500MHz Ant2



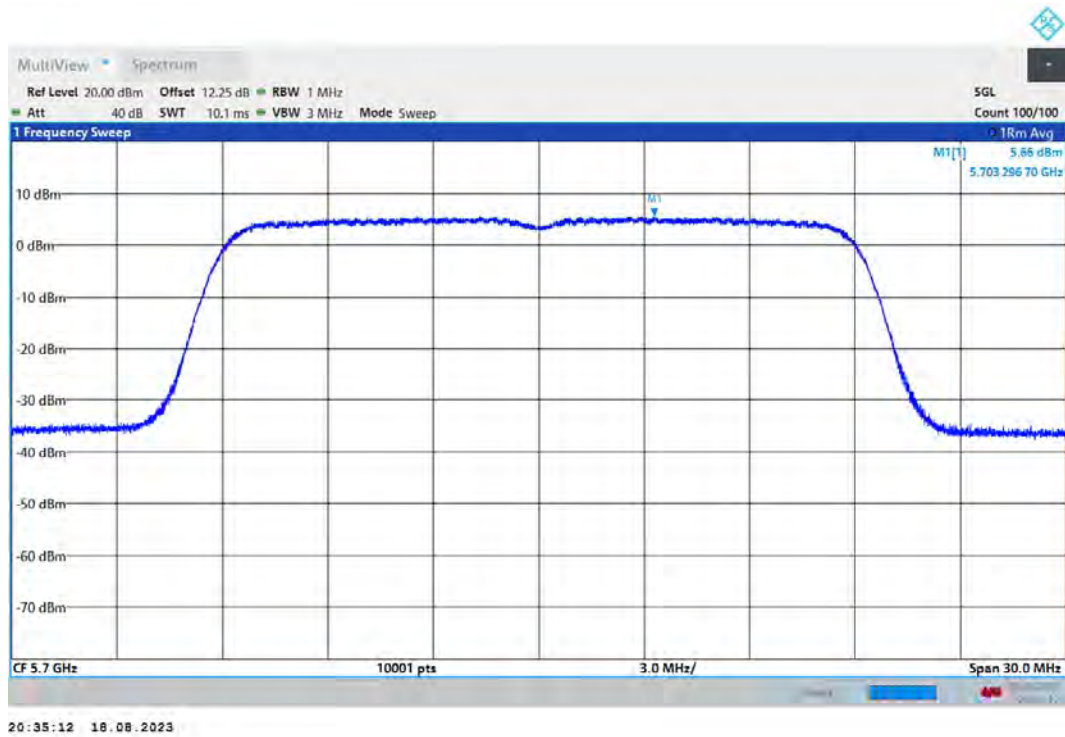
PSD 802.11ac(VHT20) 5600MHz Ant1



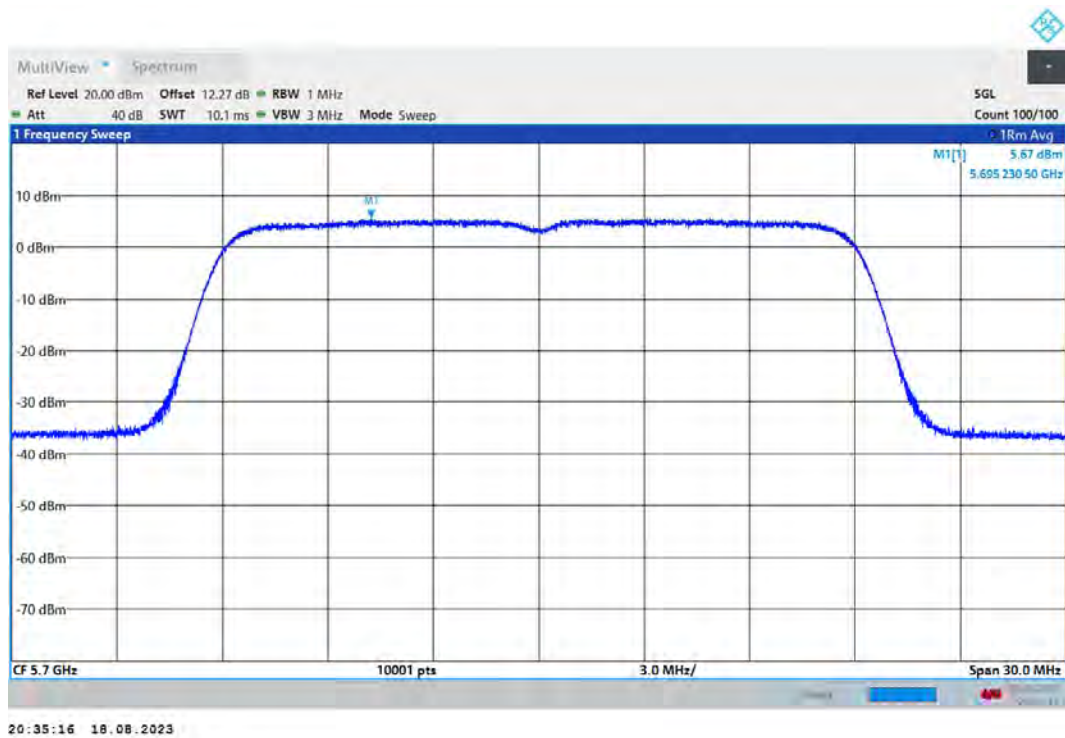
PSD 802.11ac(VHT20) 5600MHz Ant2



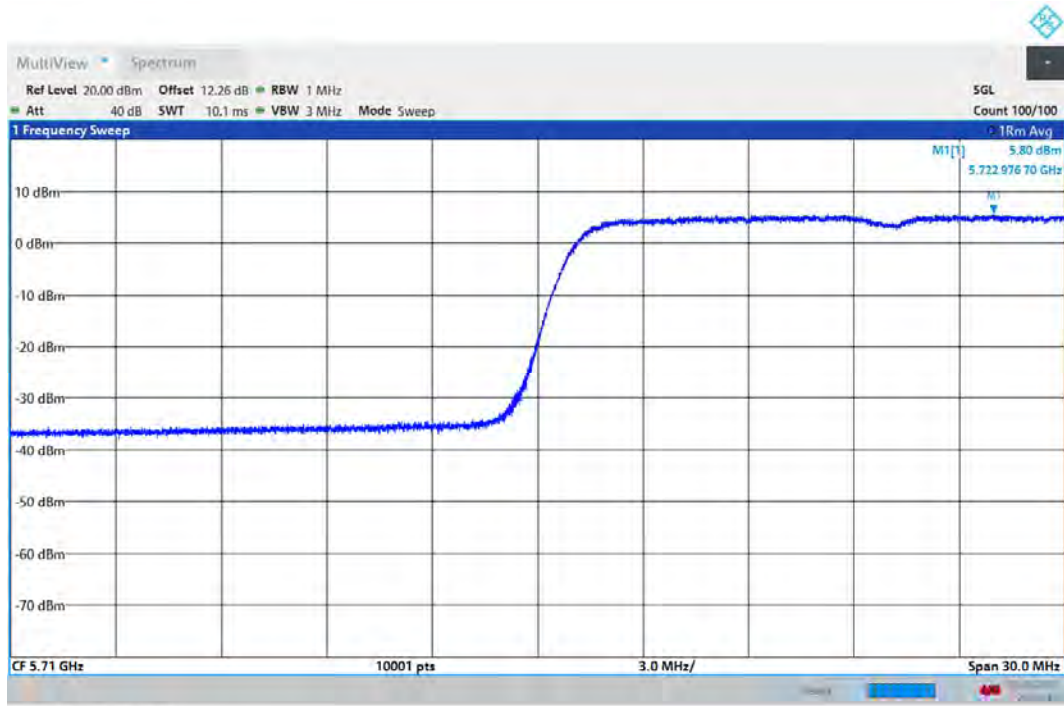
PSD 802.11ac(VHT20) 5700MHz Ant1



PSD 802.11ac(VHT20) 5700MHz Ant2

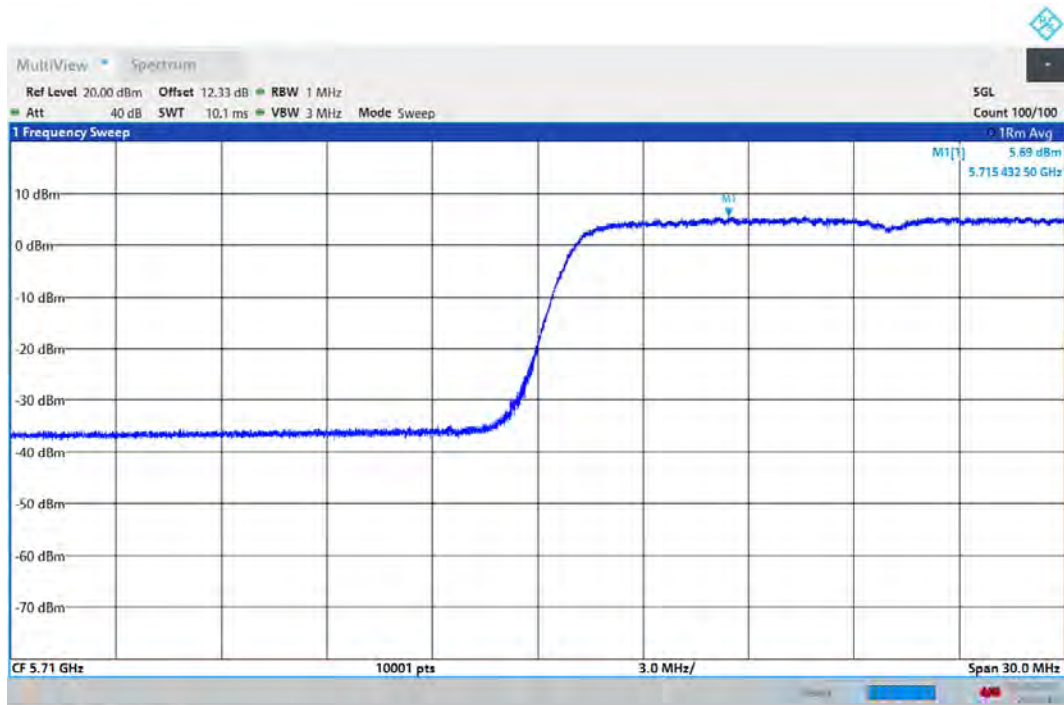


PSD 802.11ac(VHT20) 5720MHz Ant1



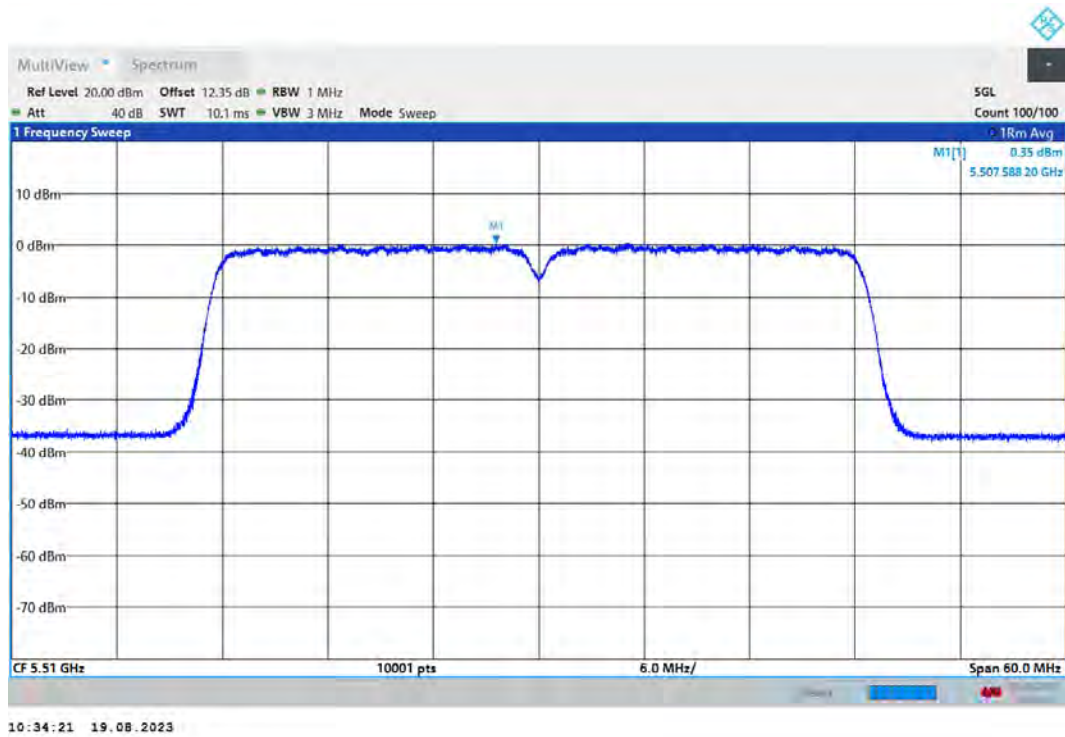
20:36:44 18.08.2023

PSD 802.11ac(VHT20) 5720MHz Ant2

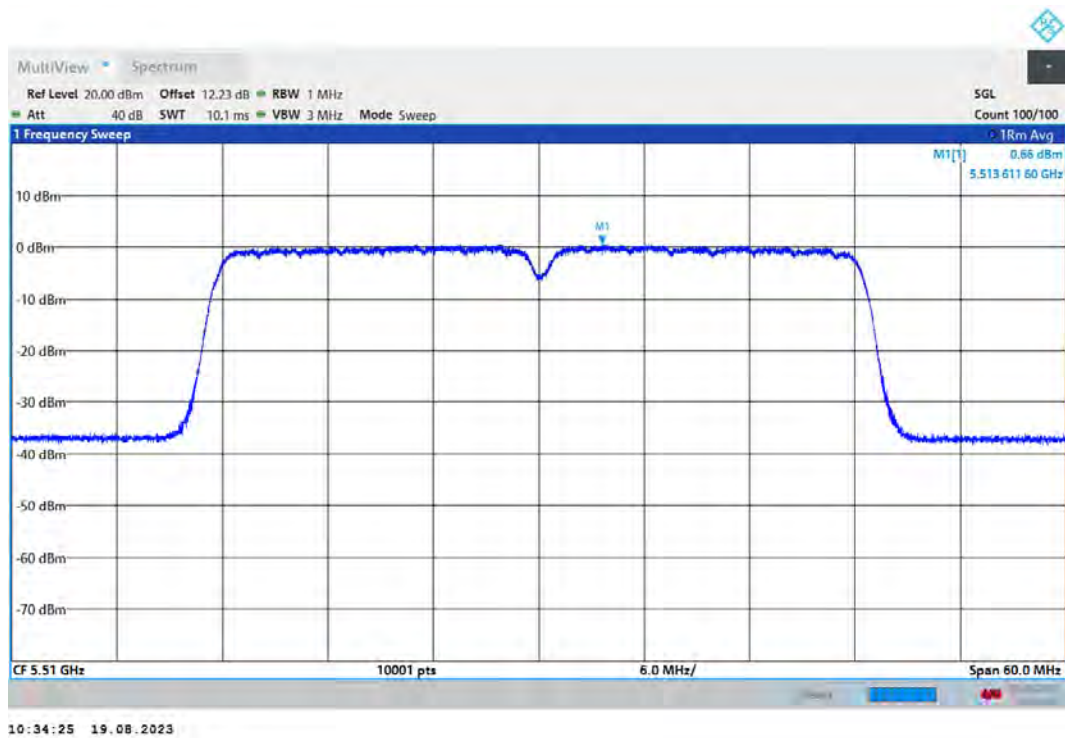


20:36:48 18.08.2023

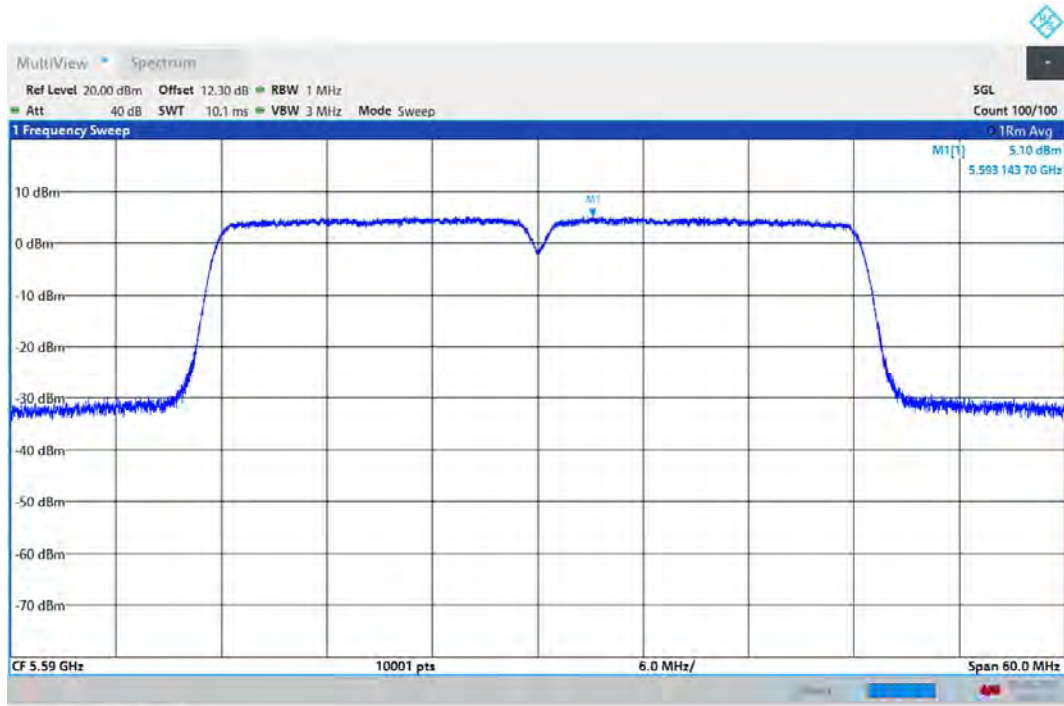
PSD 802.11ac(VHT40) 5510MHz Ant1



PSD 802.11ac(VHT40) 5510MHz Ant2

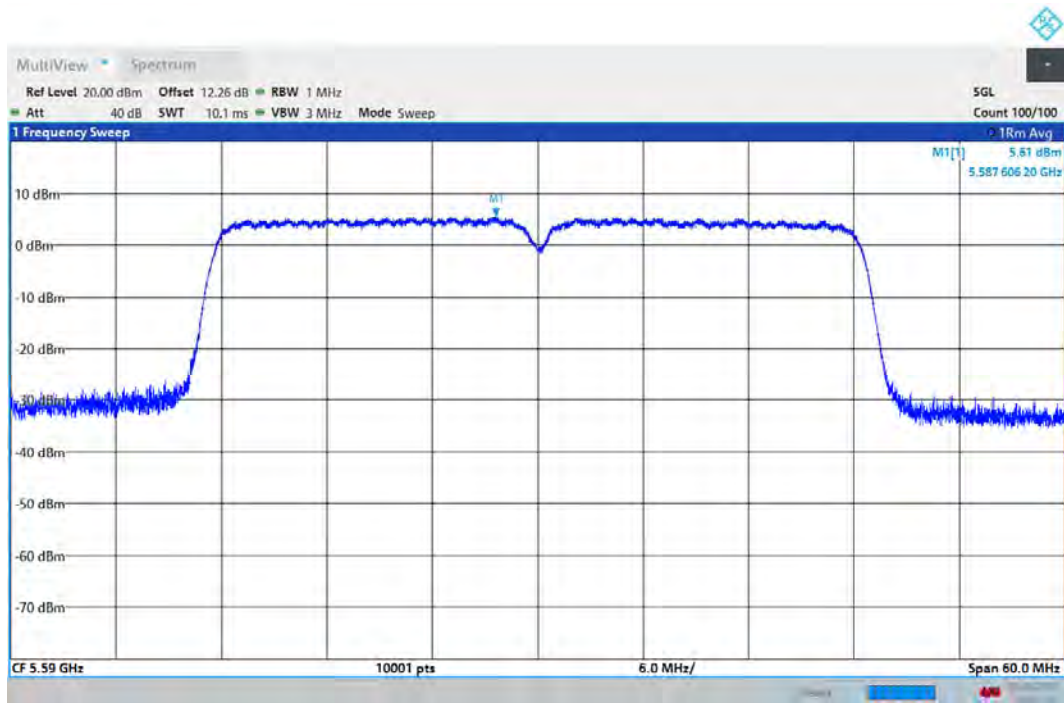


PSD 802.11ac(VHT40) 5590MHz Ant1



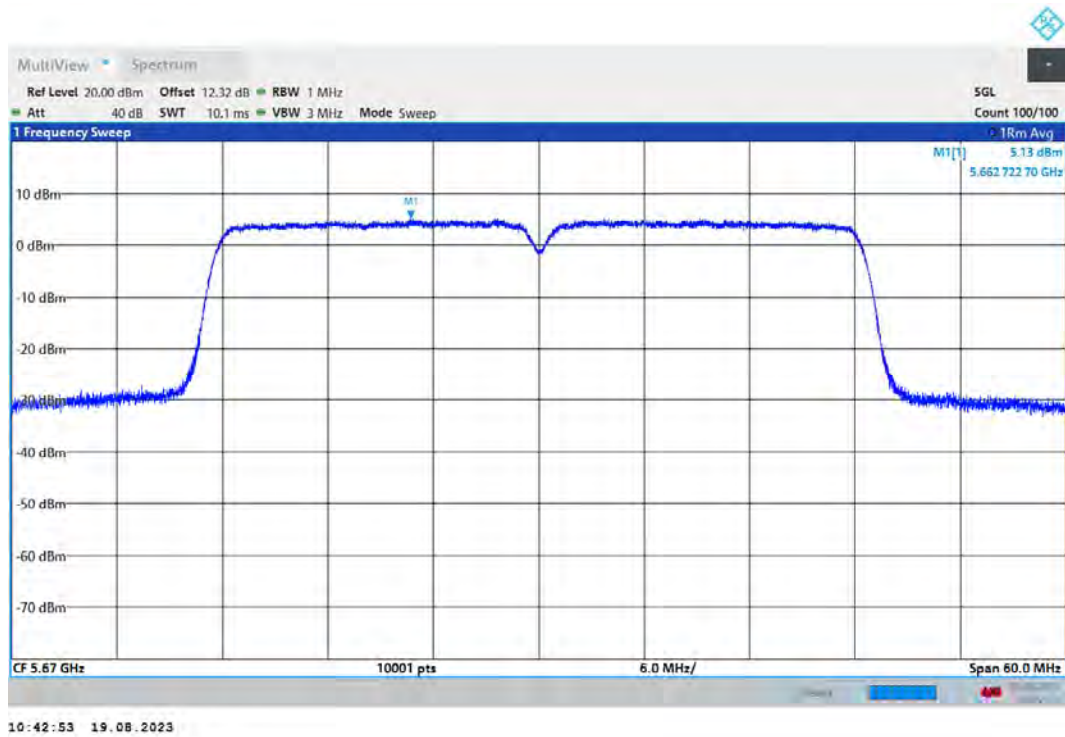
10:37:21 19.08.2023

PSD 802.11ac(VHT40) 5590MHz Ant2

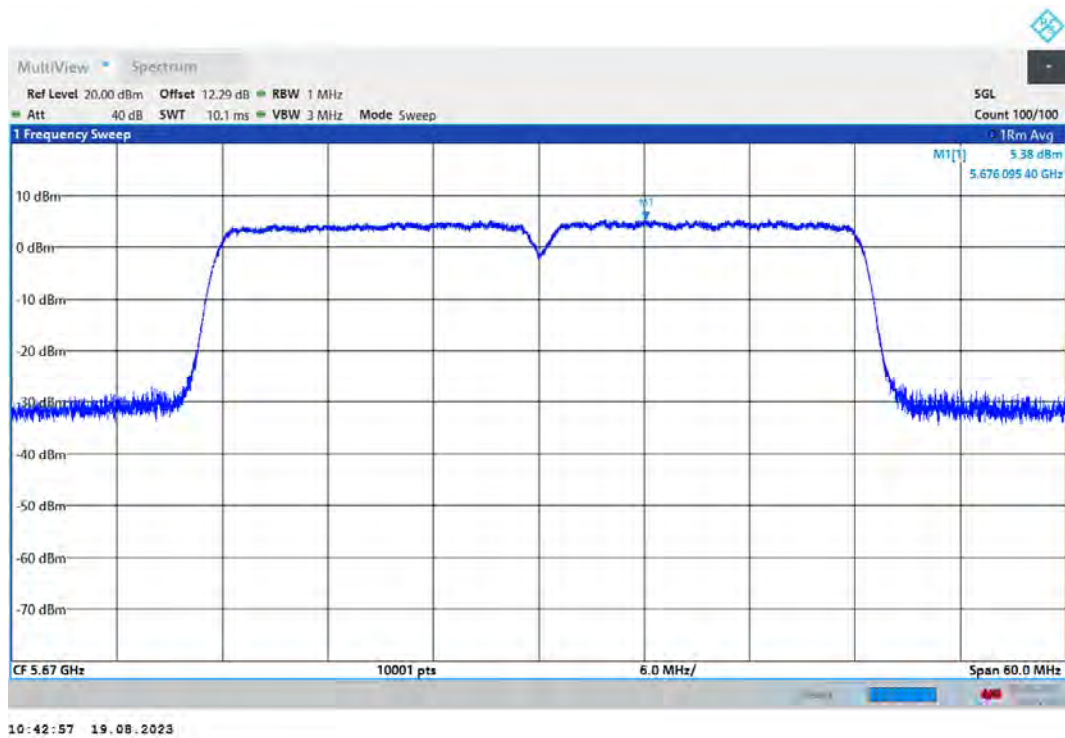


10:37:25 19.08.2023

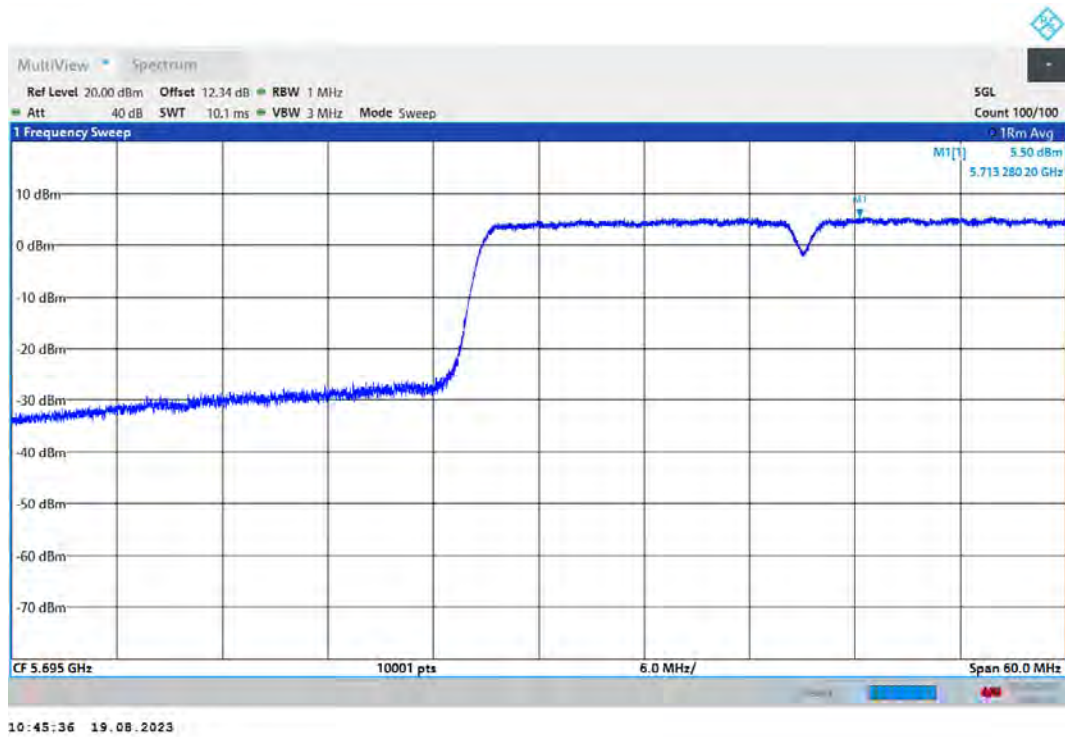
PSD 802.11ac(VHT40) 5670MHz Ant1



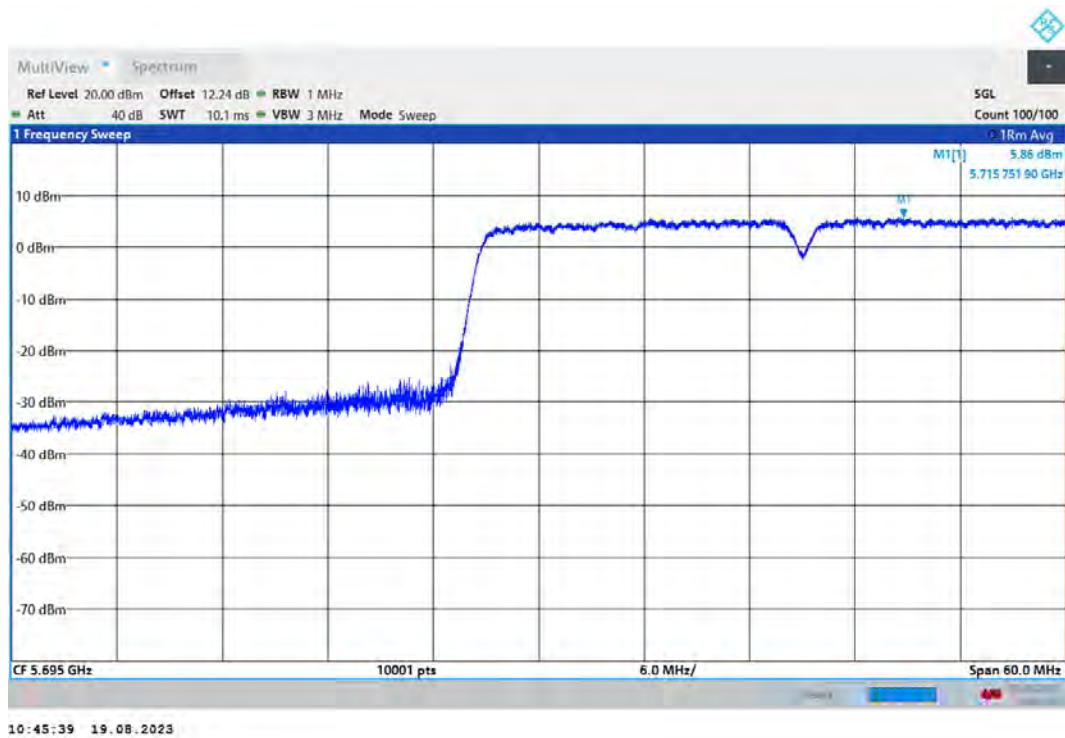
PSD 802.11ac(VHT40) 5670MHz Ant2



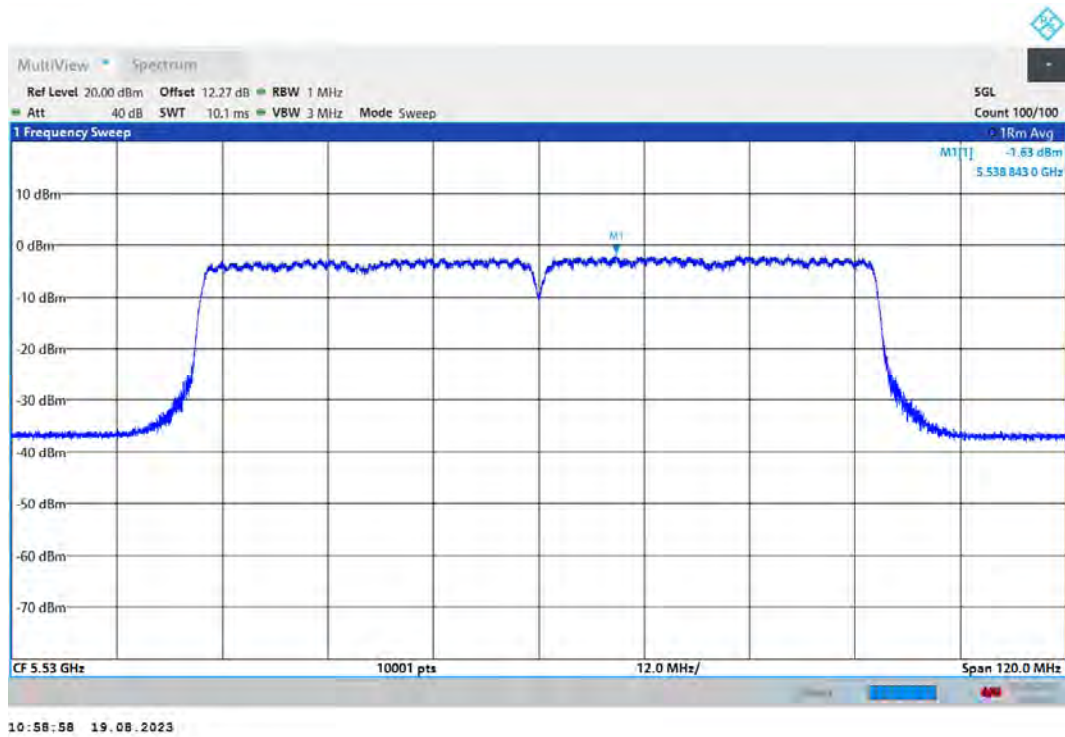
PSD 802.11ac(VHT40) 5710MHz Ant1



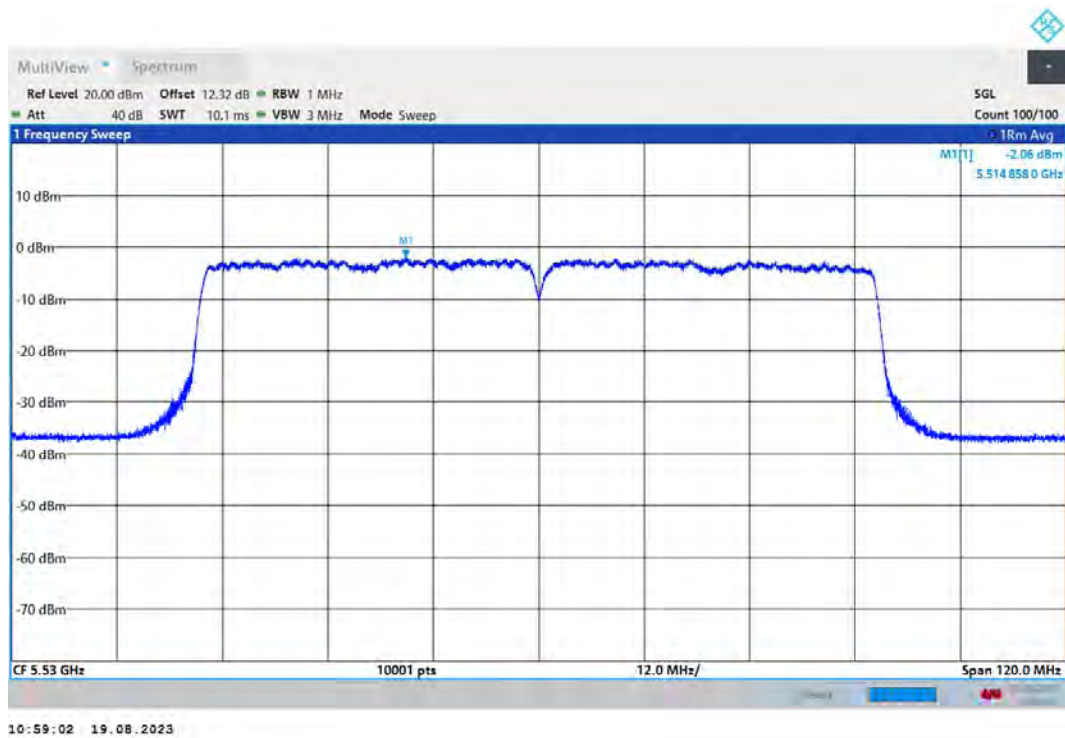
PSD 802.11ac(VHT40) 5710MHz Ant2



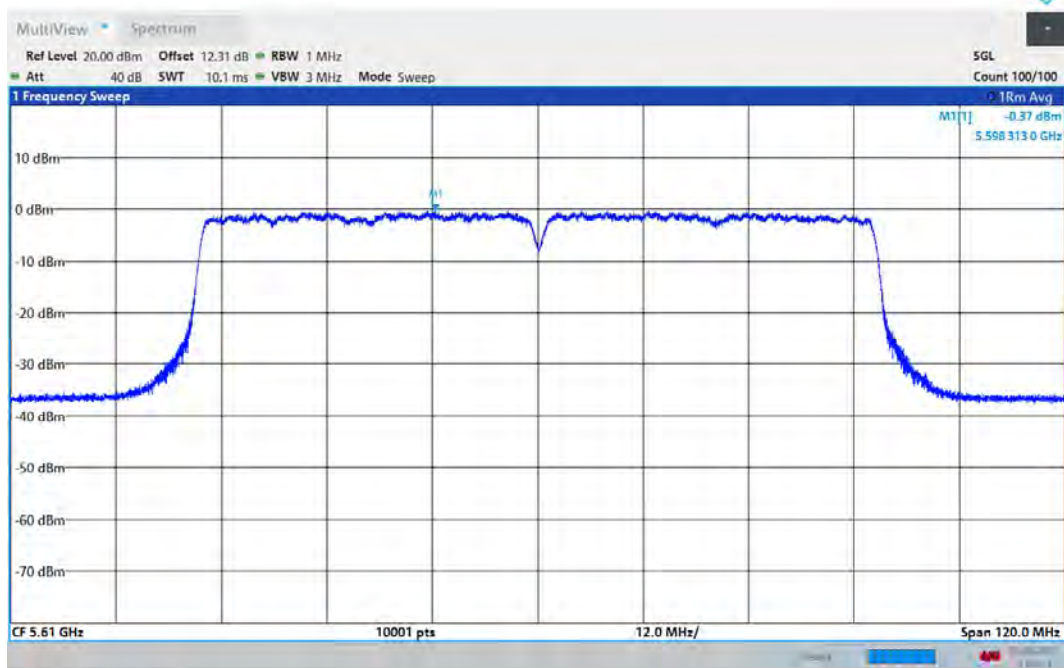
PSD 802.11ac(VHT80) 5530MHz Ant1



PSD 802.11ac(VHT80) 5530MHz Ant2

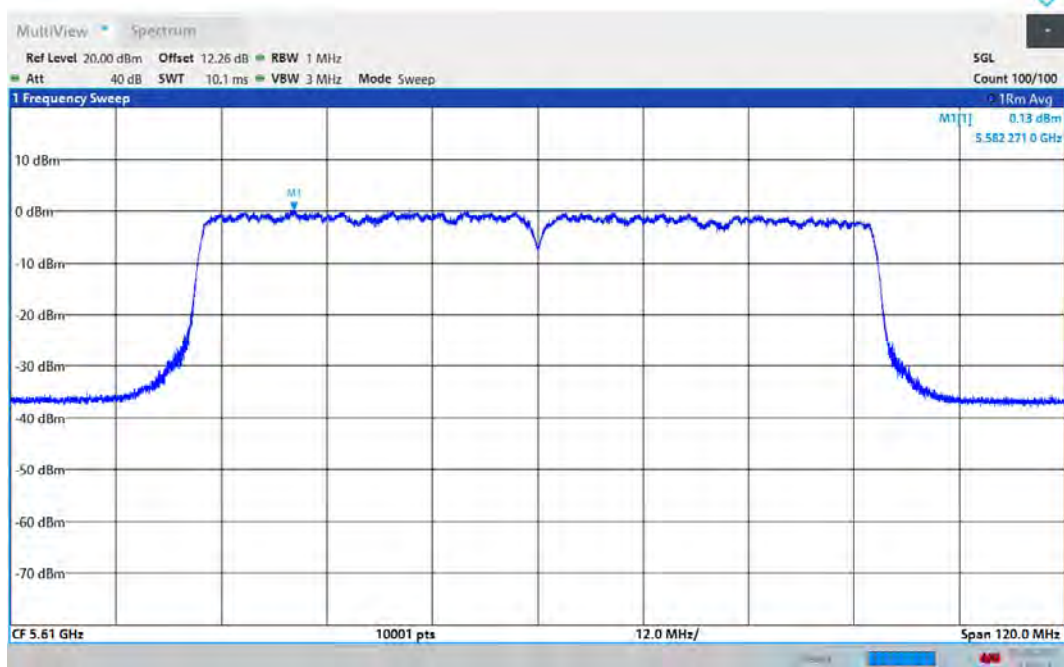


PSD 802.11ac(VHT80) 5610MHz Ant1



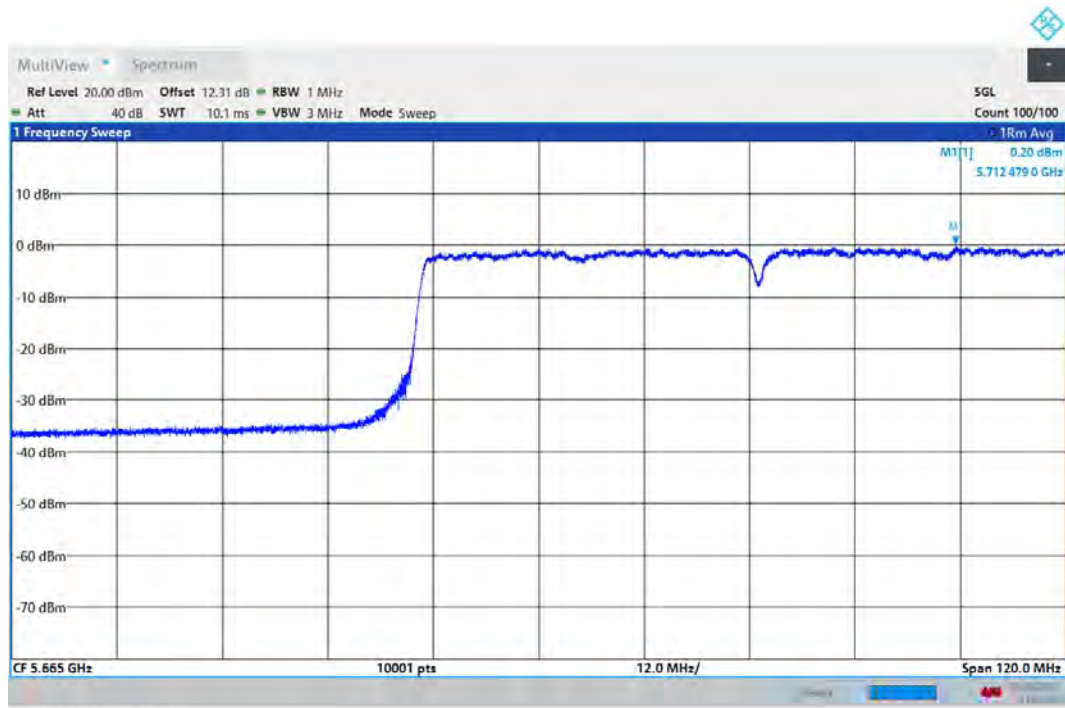
11:05:12 19.08.2023

PSD 802.11ac(VHT80) 5610MHz Ant2



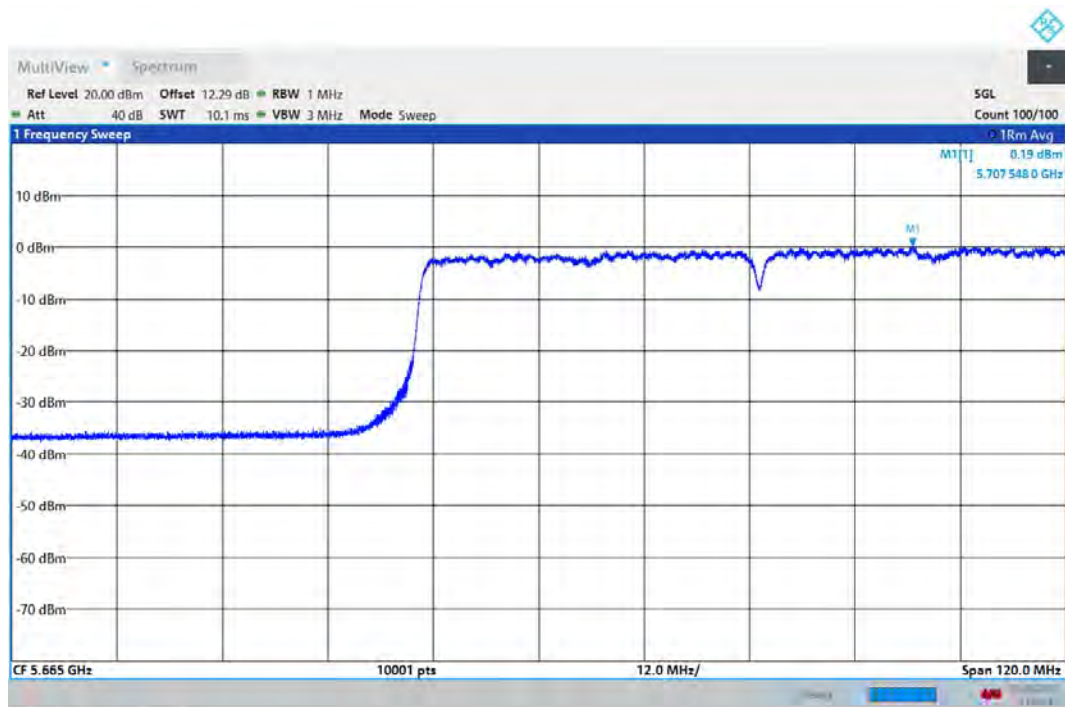
11:05:16 19.08.2023

PSD 802.11ac(VHT80) 5690MHz Ant1



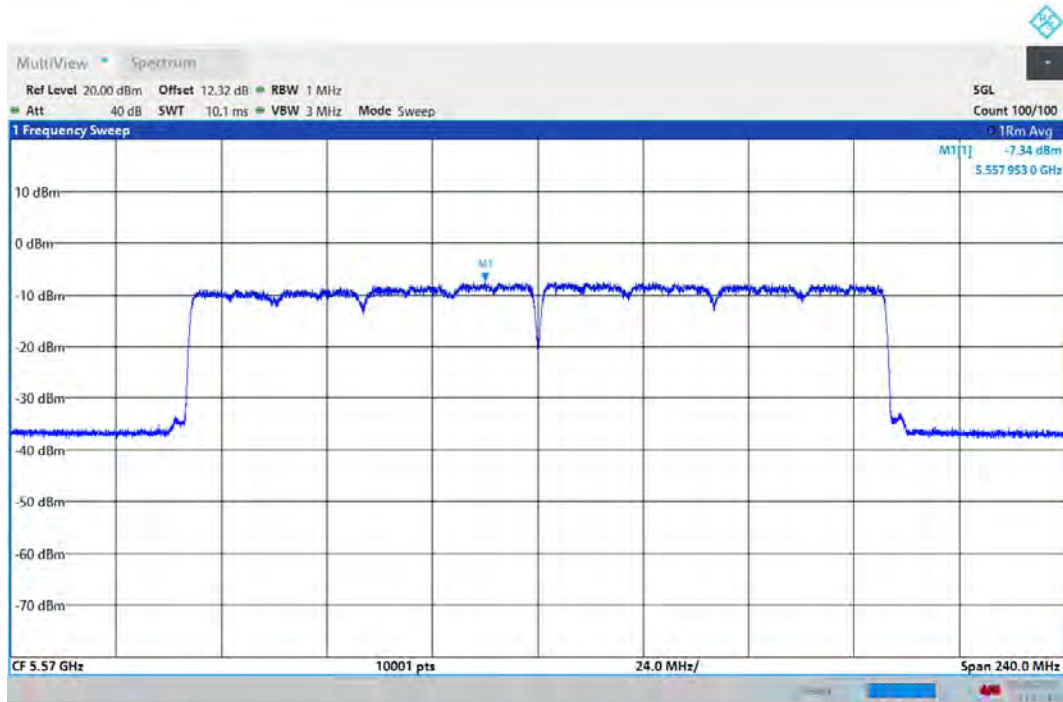
11:06:39 19.08.2023

PSD 802.11ac(VHT80) 5690MHz Ant2



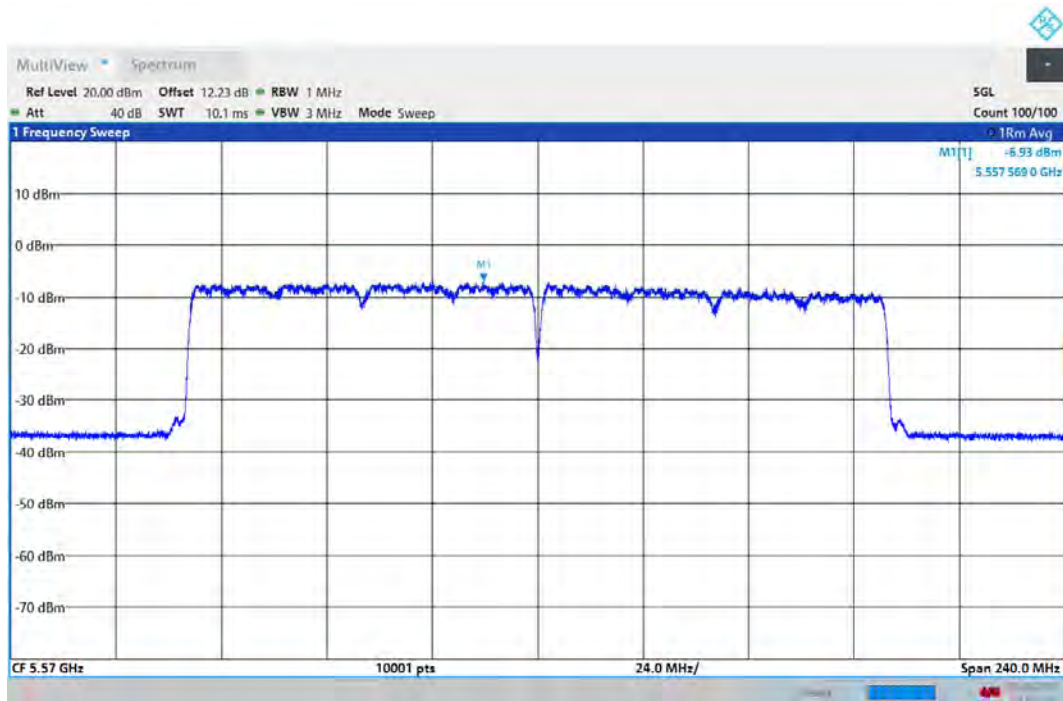
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PSD 802.11ax(HE160) 5570MHz Ant1



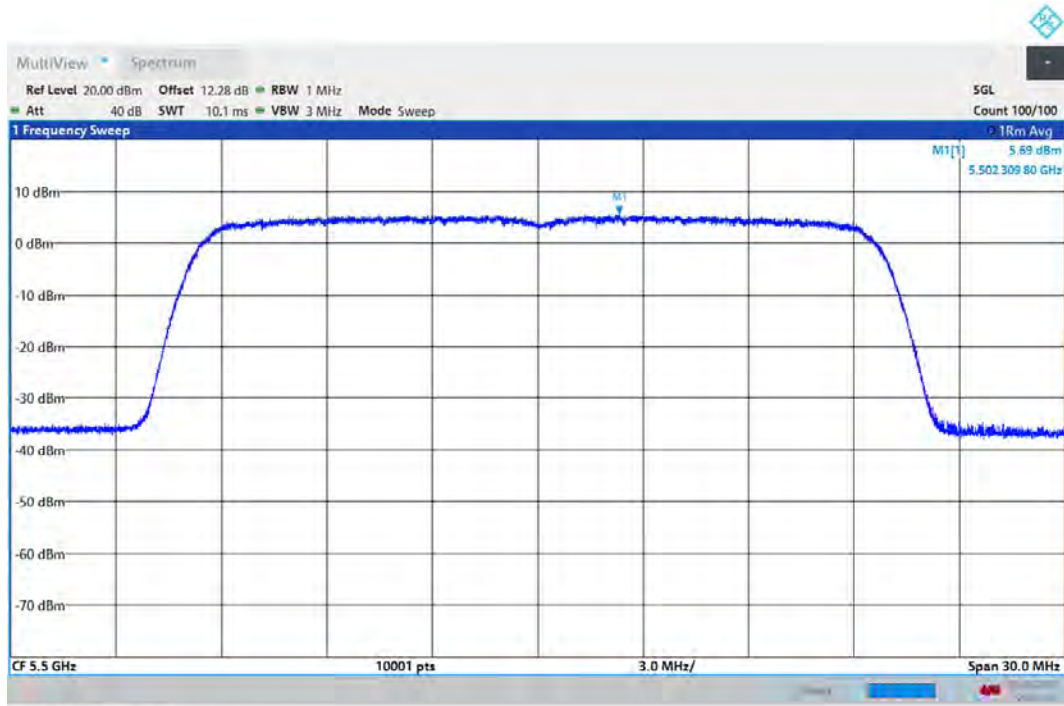
11:17:19 19.08.2023

PSD 802.11ax(HE160) 5570MHz Ant2



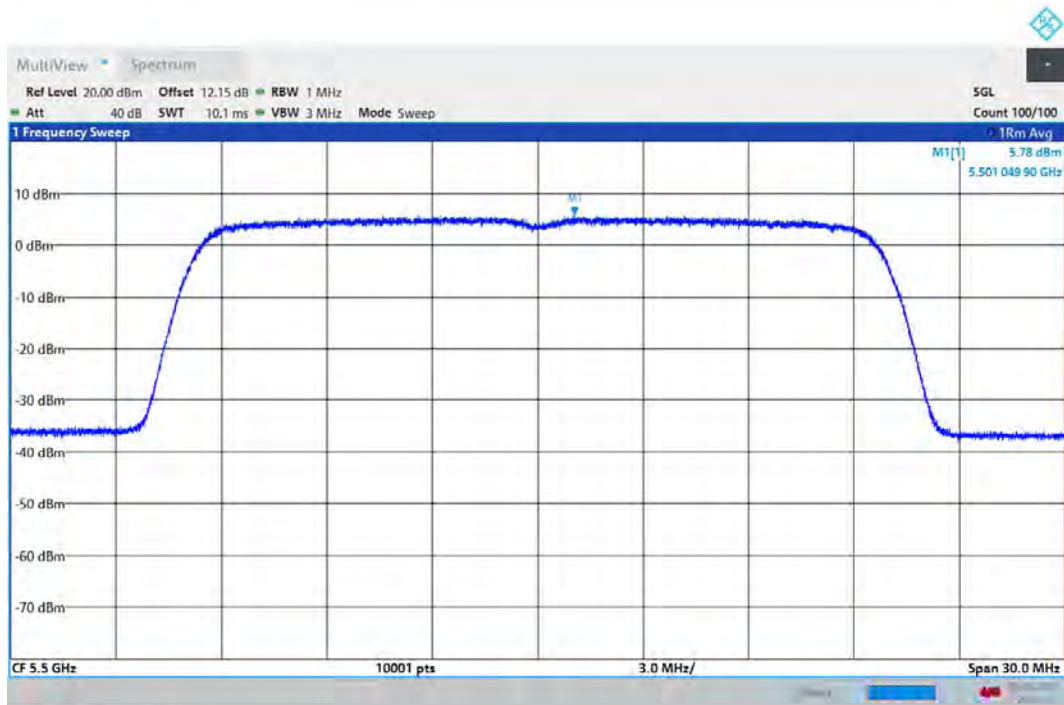
11:17:23 19.08.2023

PSD 802.11ax(HE20) 5500MHz Ant1



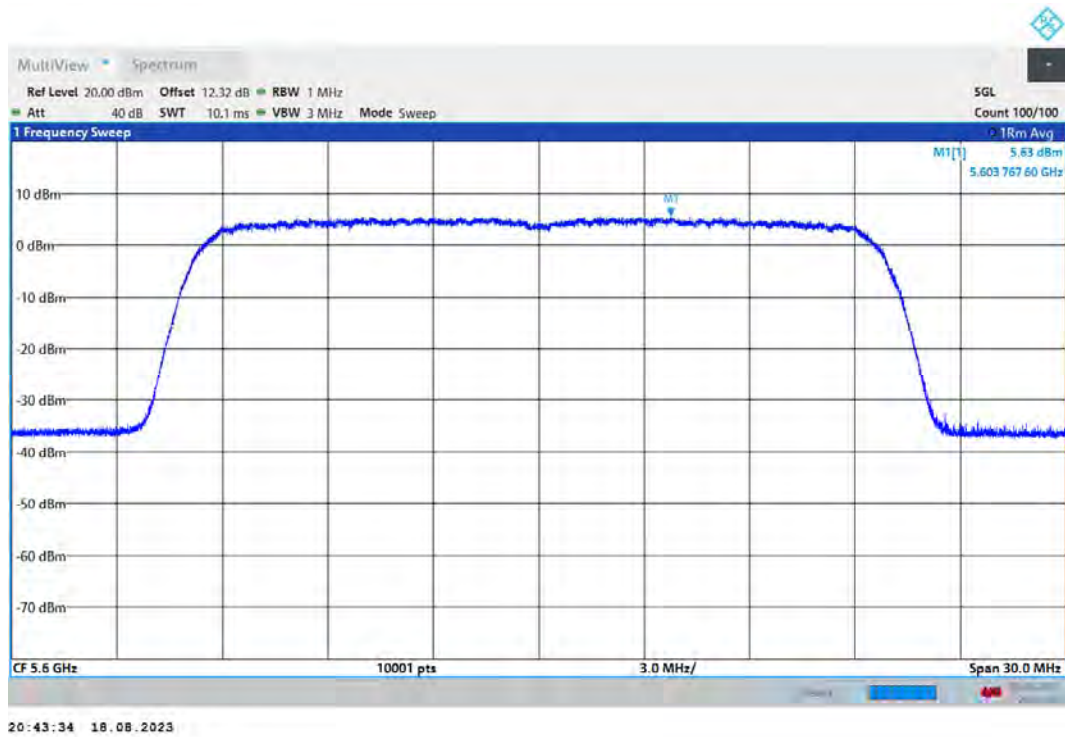
20:41:34 18.08.2023

PSD 802.11ax(HE20) 5500MHz Ant2

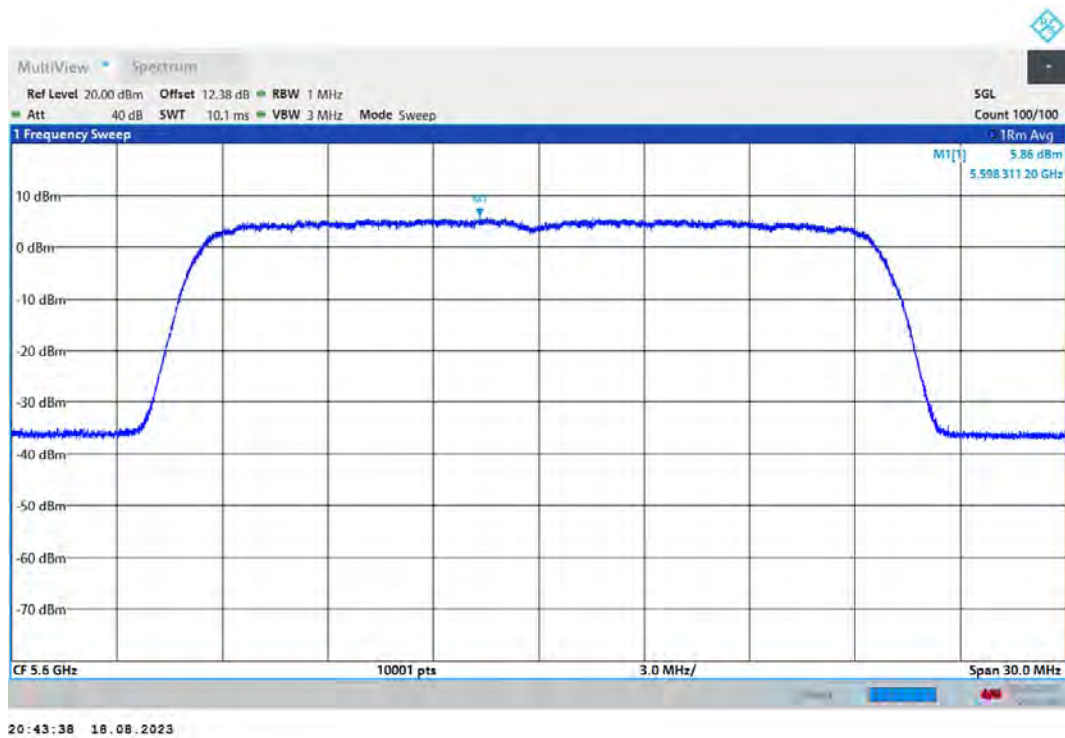


20:41:38 18.08.2023

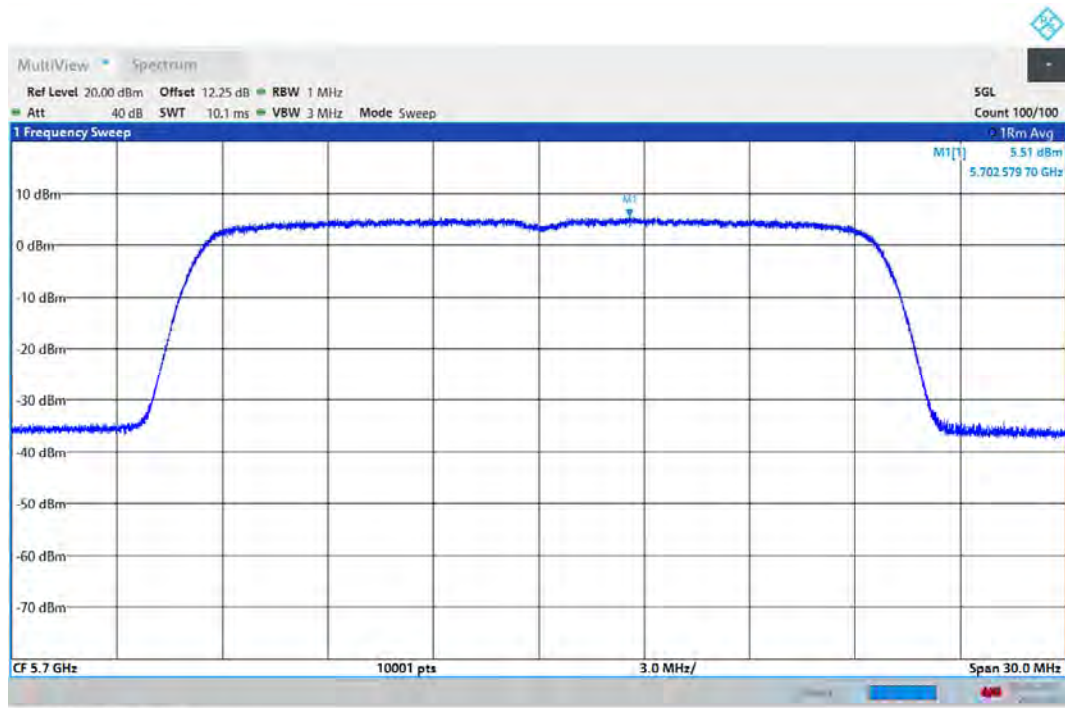
PSD 802.11ax(HE20) 5600MHz Ant1



PSD 802.11ax(HE20) 5600MHz Ant2

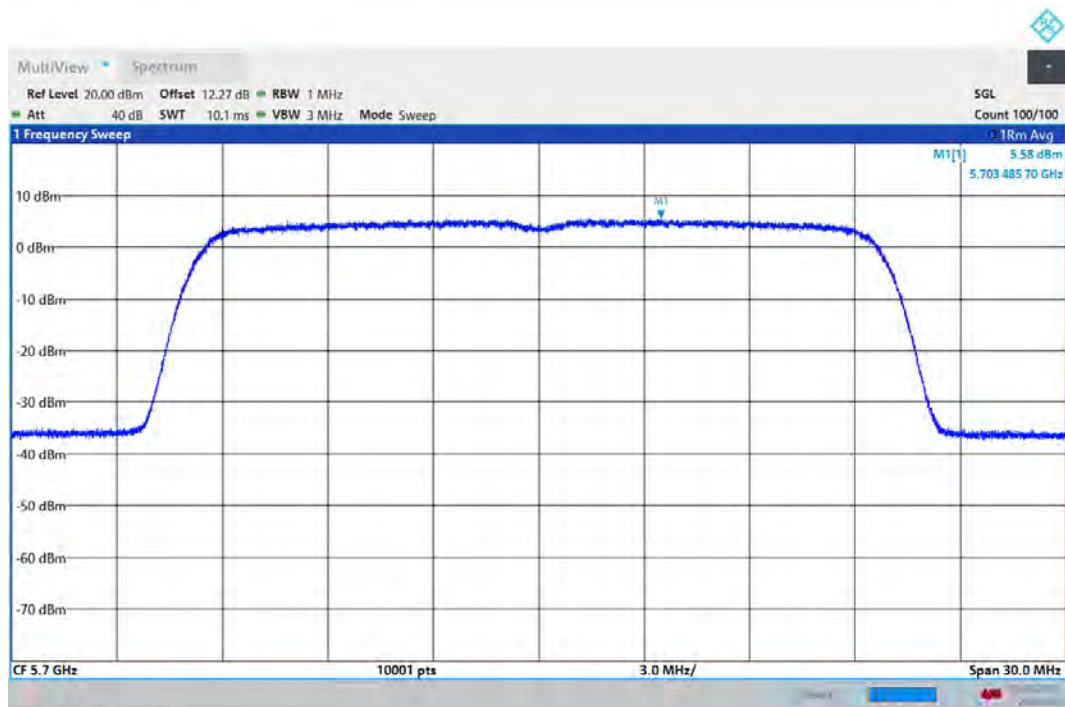


PSD 802.11ax(HE20) 5700MHz Ant1



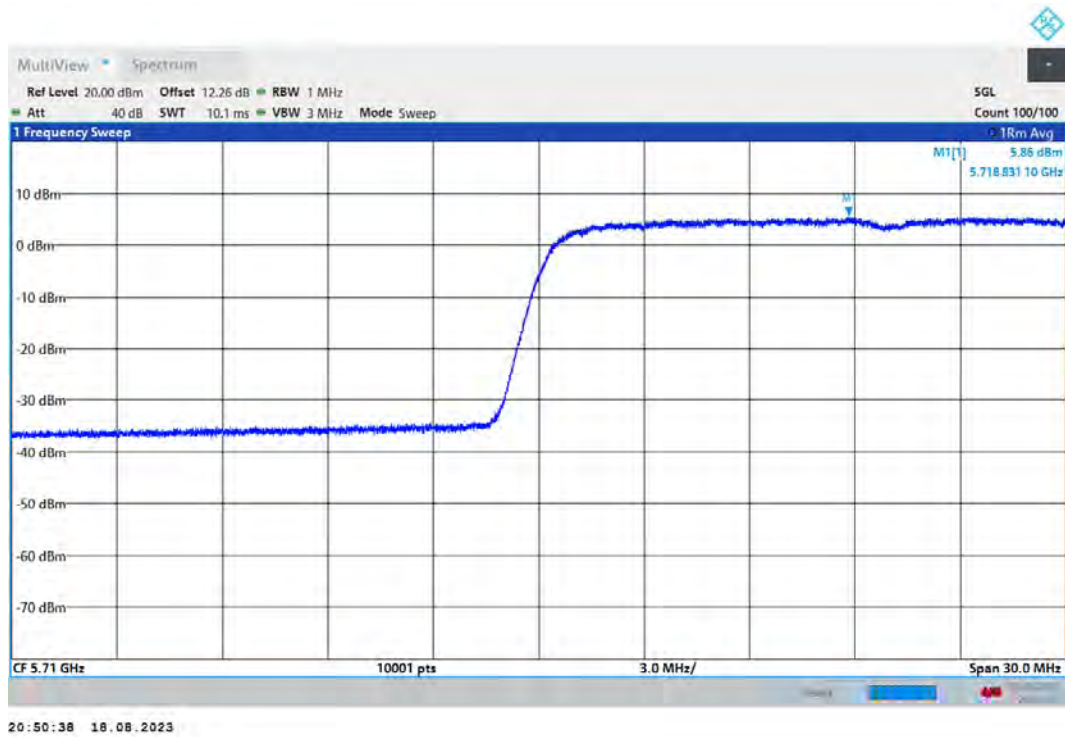
20:46:55 18.08.2023

PSD 802.11ax(HE20) 5700MHz Ant2

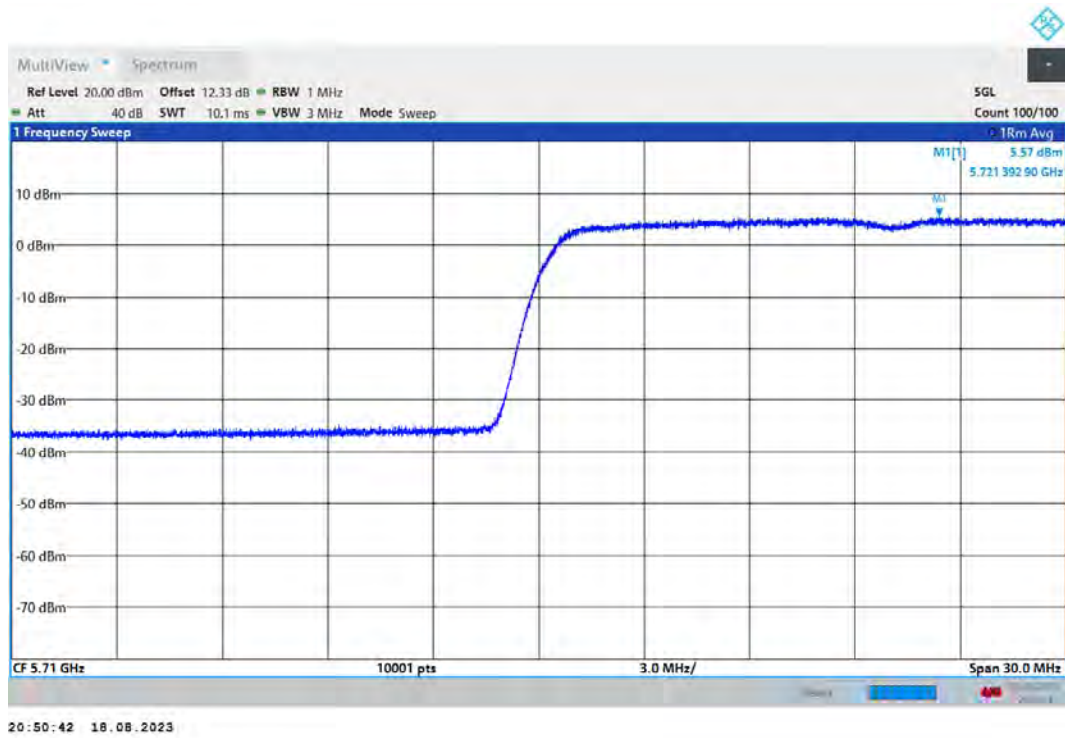


20:46:58 18.08.2023

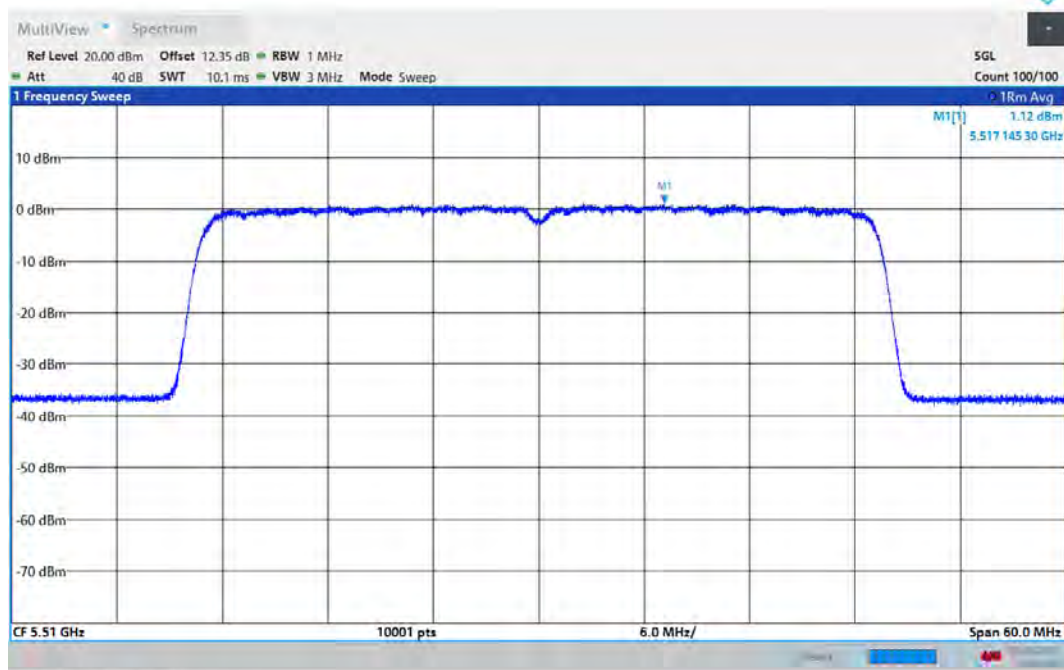
PSD 802.11ax(HE20) 5720MHz Ant1



PSD 802.11ax(HE20) 5720MHz Ant2

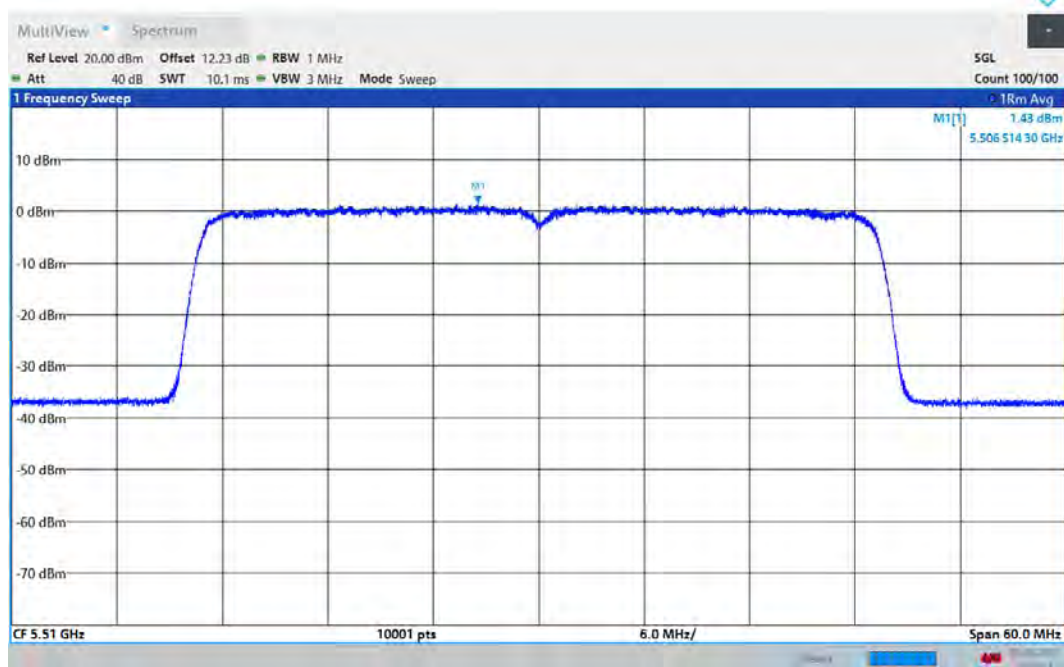


PSD 802.11ax(HE40) 5510MHz Ant1



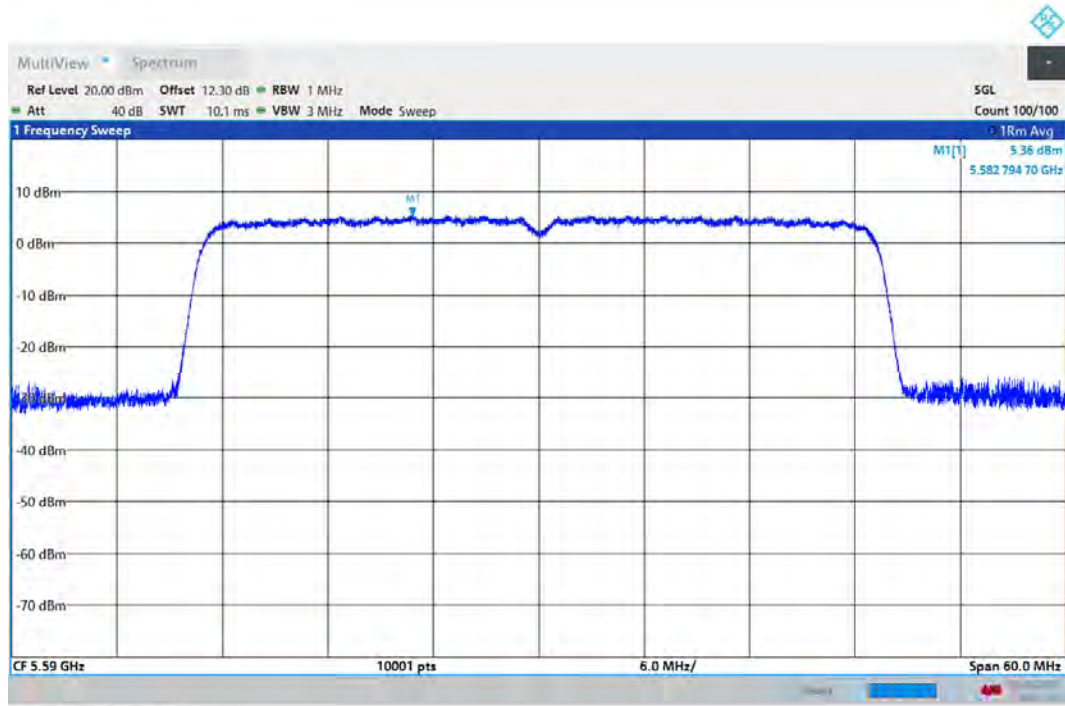
10:48:10 19.08.2023

PSD 802.11ax(HE40) 5510MHz Ant2



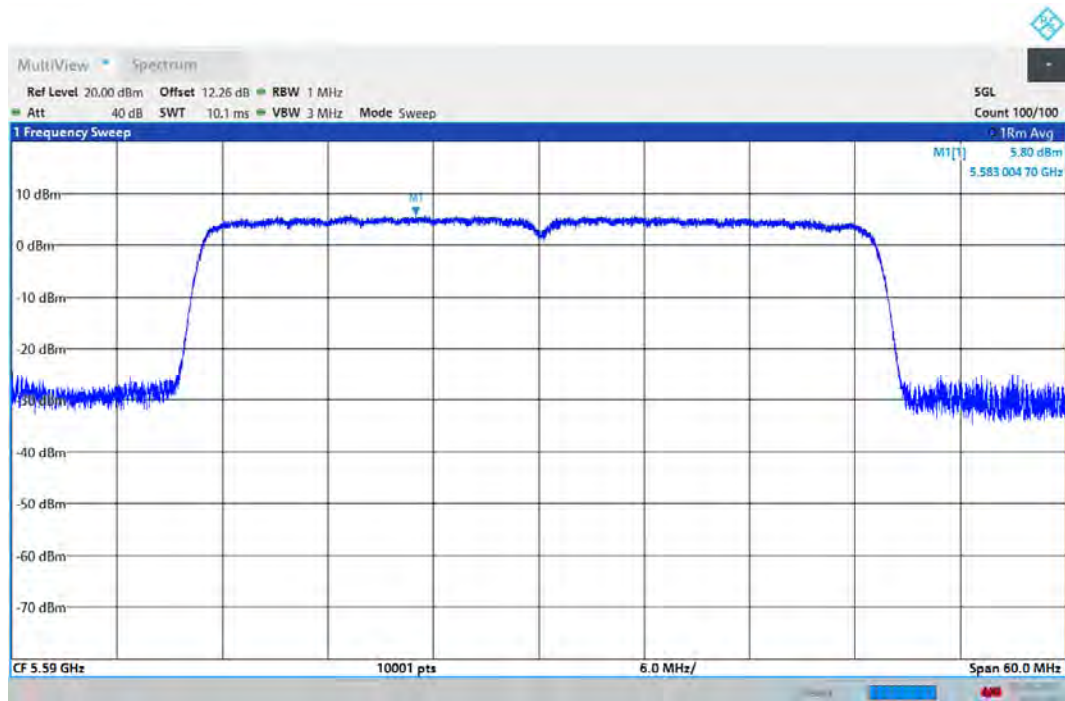
10:48:13 19.08.2023

PSD 802.11ax(HE40) 5590MHz Ant1



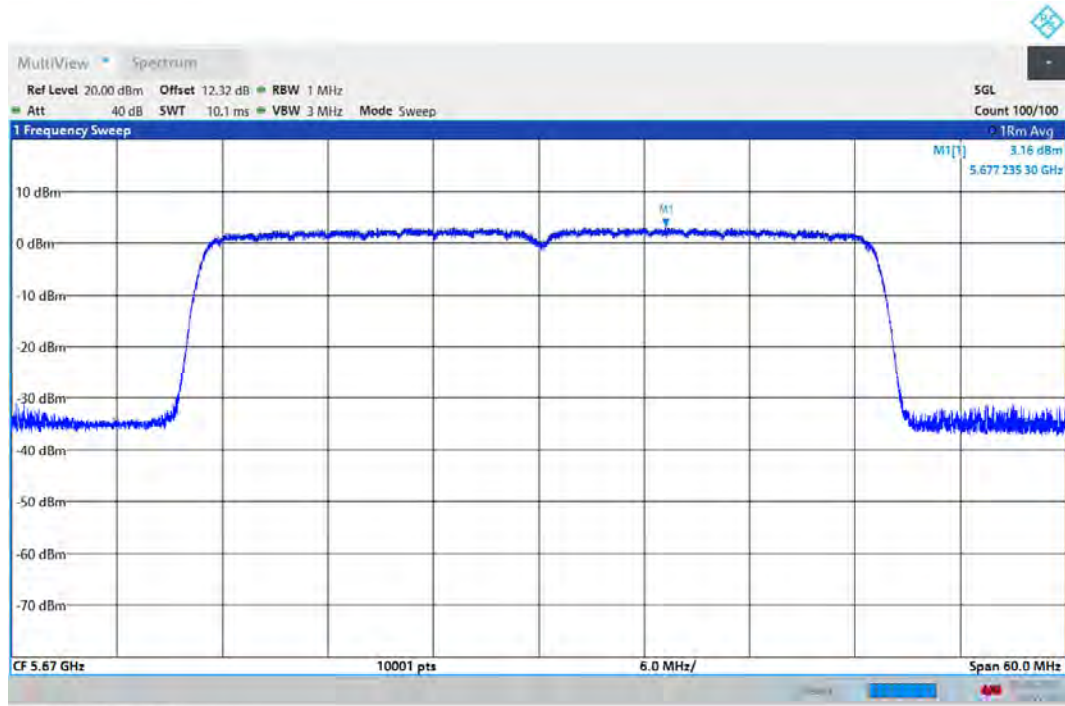
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PSD 802.11ax(HE40) 5590MHz Ant2



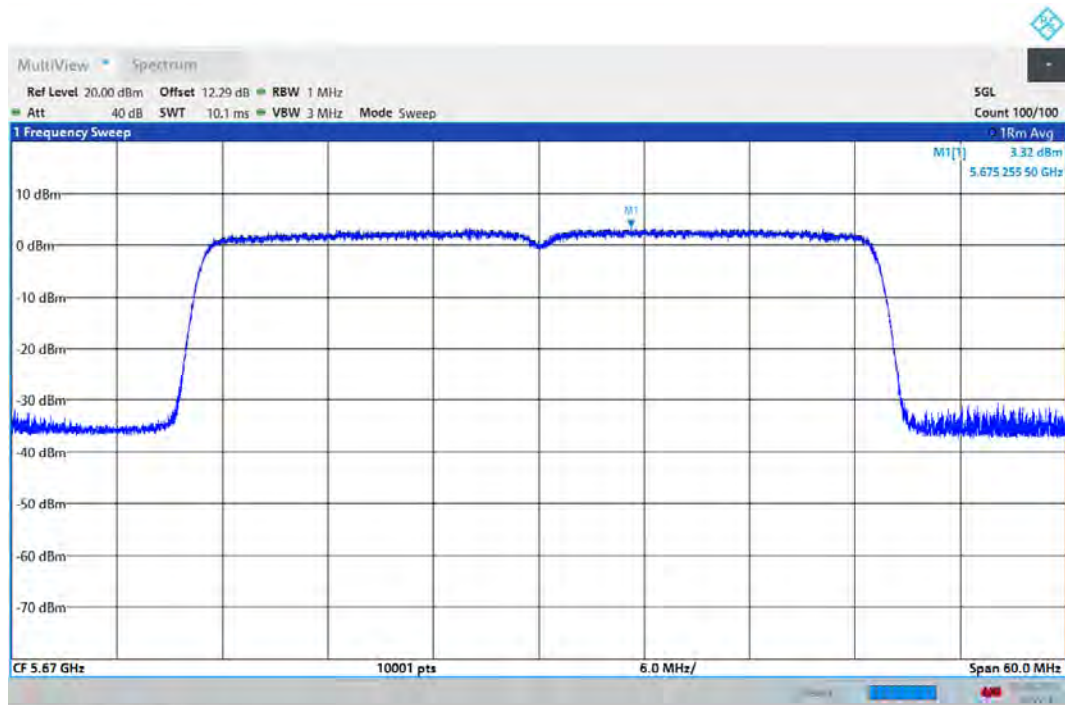
10:52:01 19.08.2023

PSD 802.11ax(HE40) 5670MHz Ant1



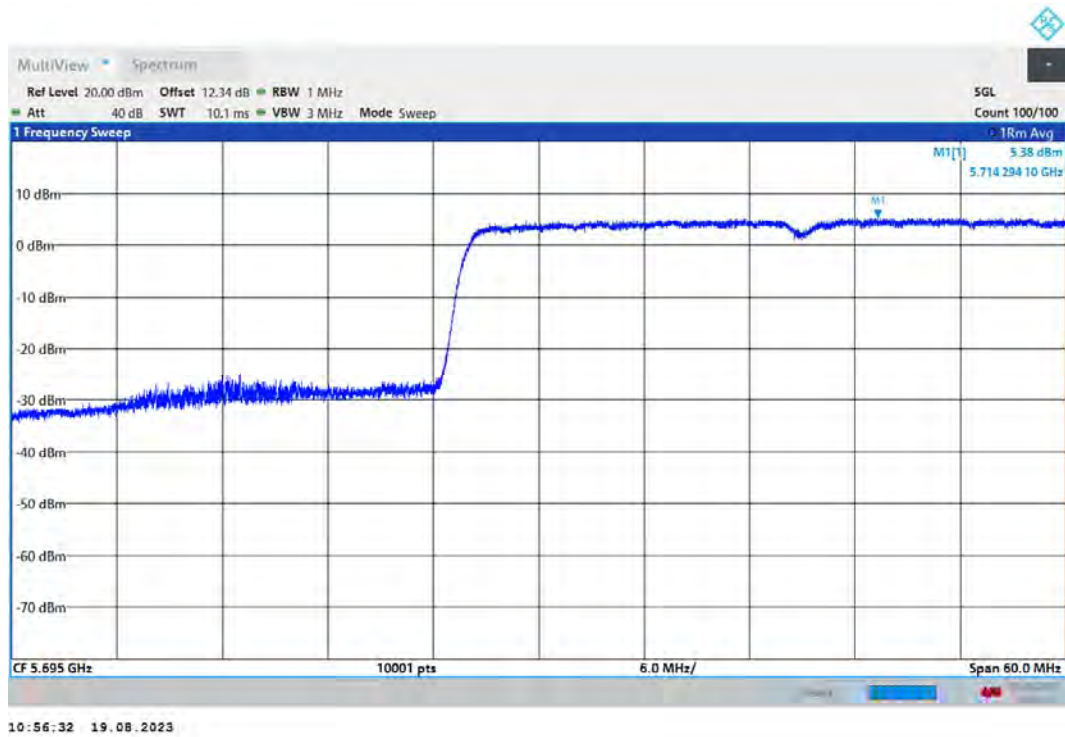
16:27:40 19.08.2023

PSD 802.11ax(HE40) 5670MHz Ant2

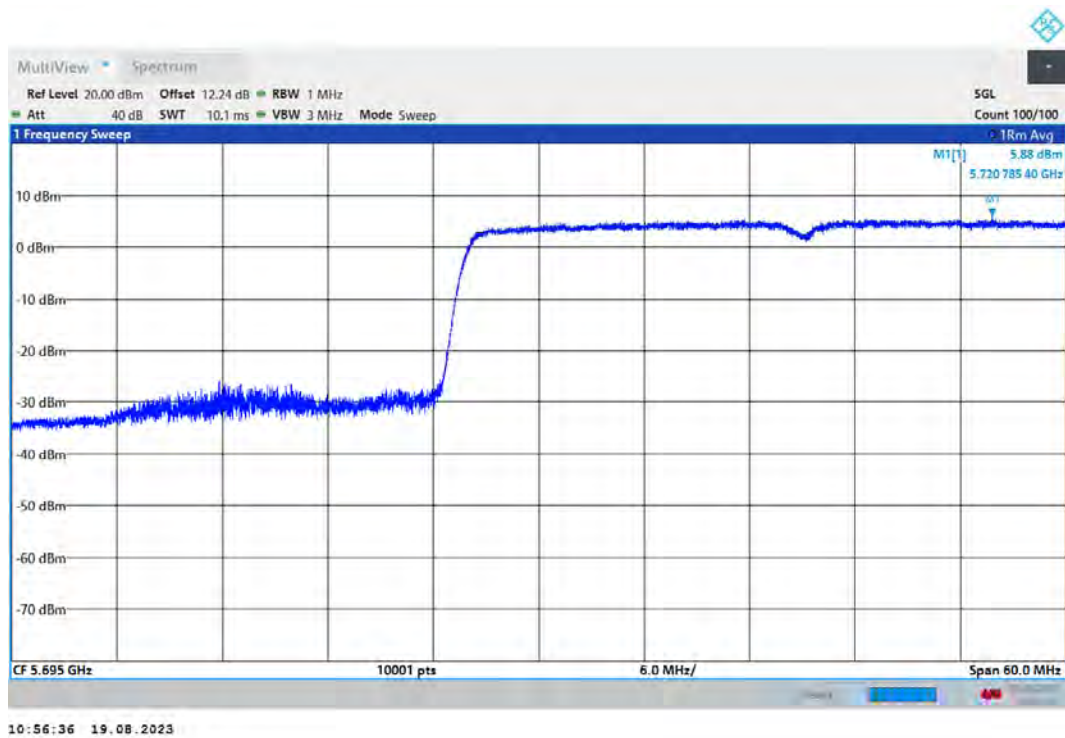


16:27:44 19.08.2023

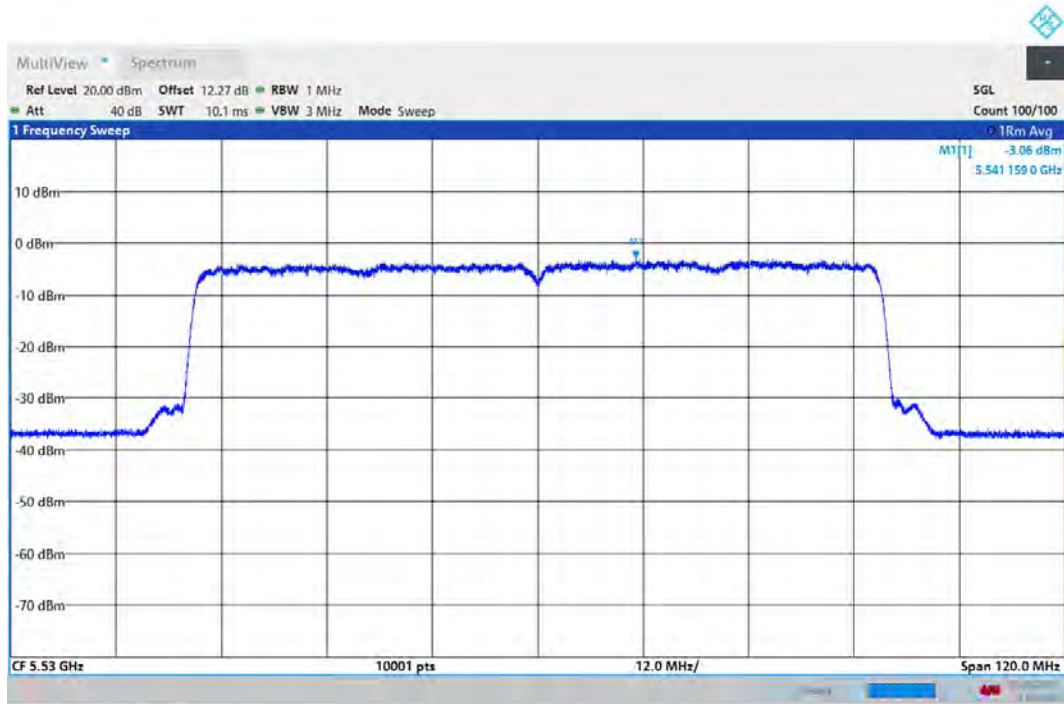
PSD 802.11ax(HE40) 5710MHz Ant1



PSD 802.11ax(HE40) 5710MHz Ant2

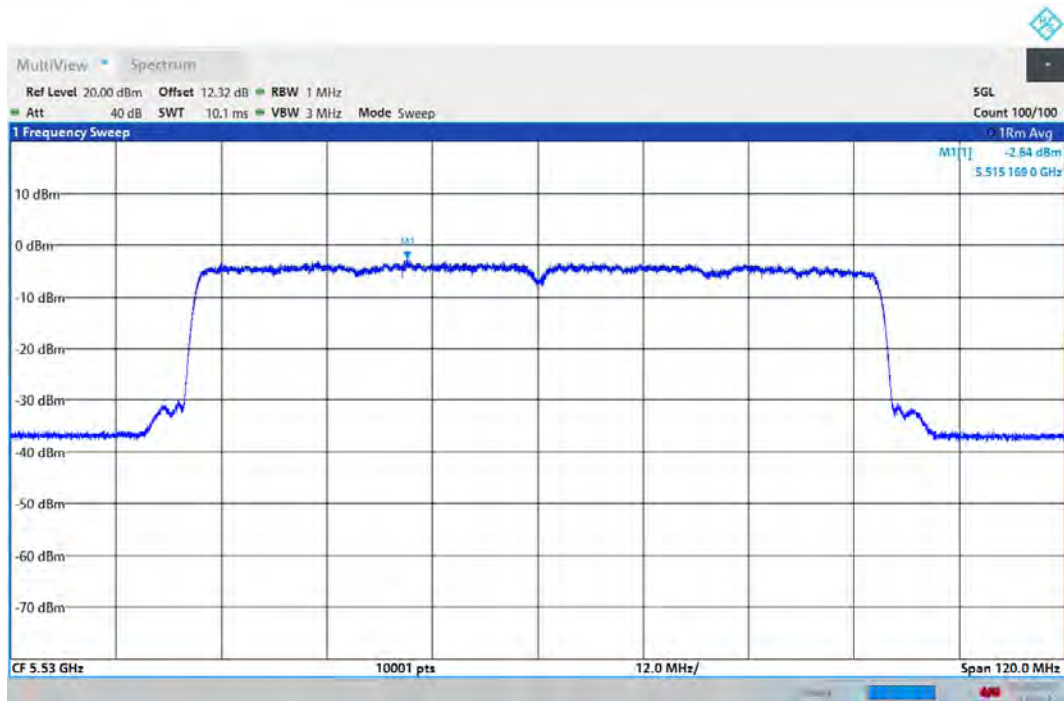


PSD 802.11ax(HE80) 5530MHz Ant1



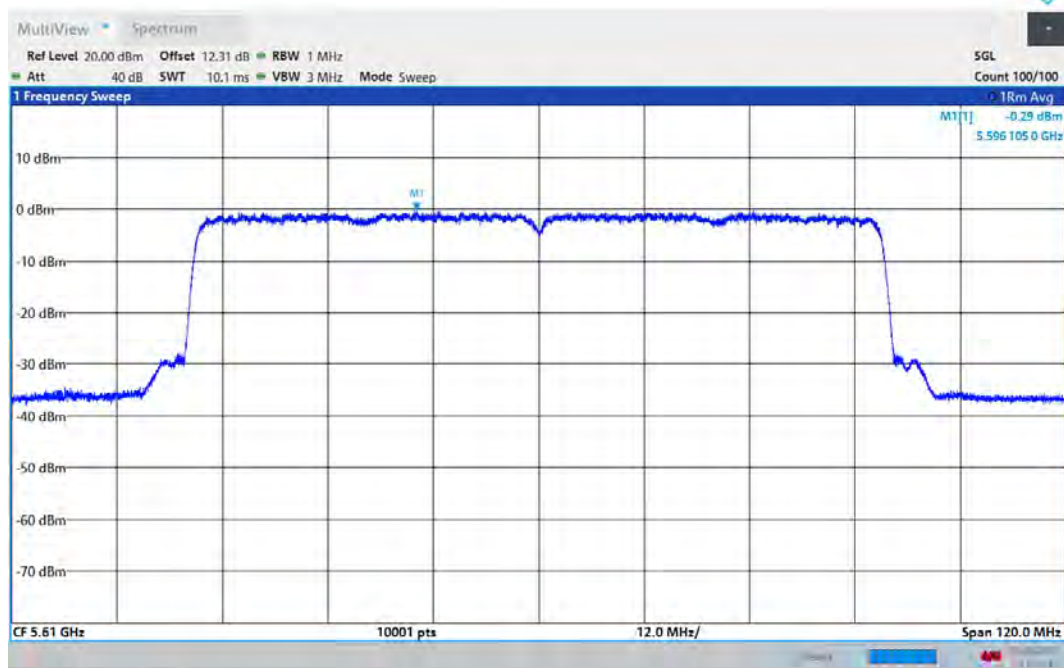
11:09:09 19.08.2023

PSD 802.11ax(HE80) 5530MHz Ant2



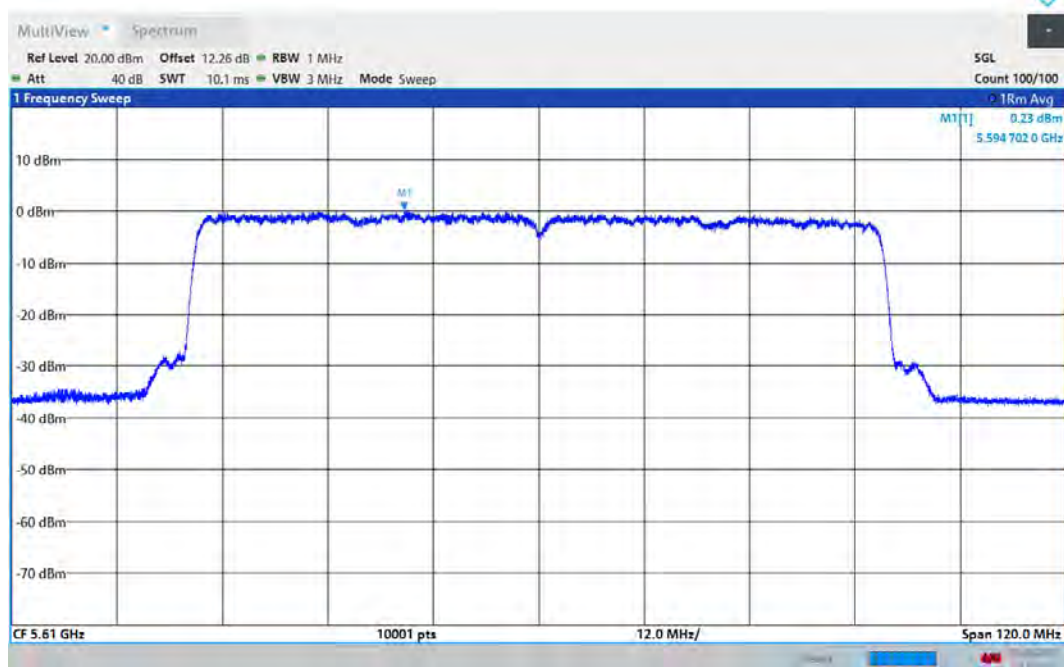
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PSD 802.11ax(HE80) 5610MHz Ant1



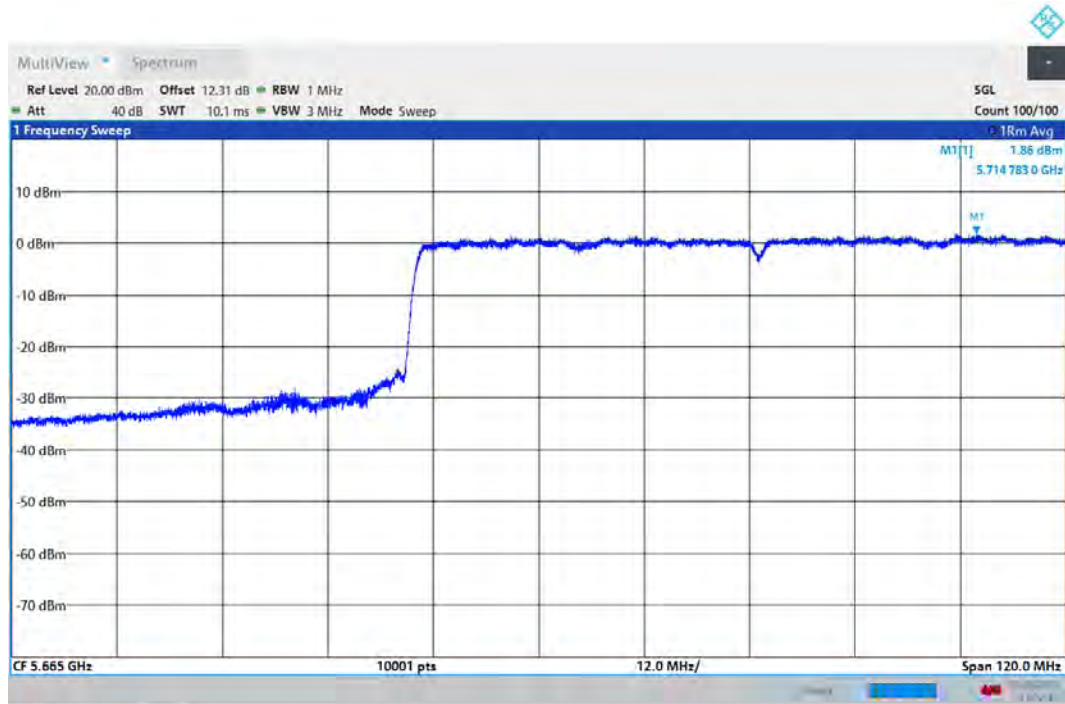
11:11:48 19.08.2023

PSD 802.11ax(HE80) 5610MHz Ant2



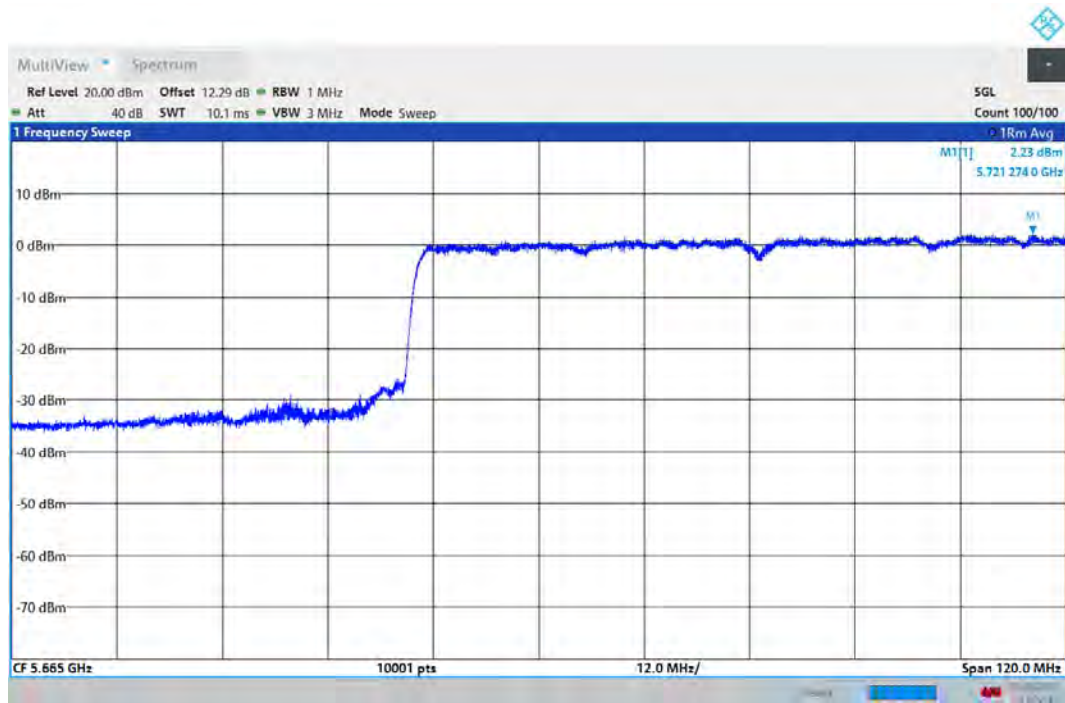
11:11:52 19.08.2023

PSD 802.11ax(HE80) 5690MHz Ant1



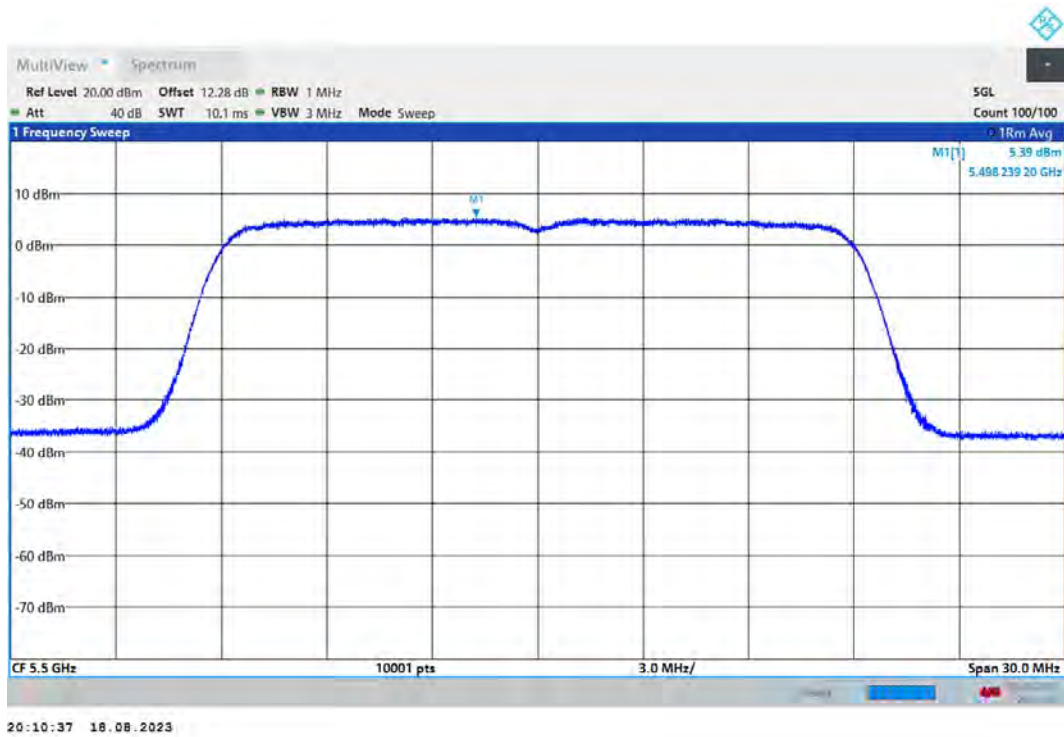
11:12:44 19.08.2023

PSD 802.11ax(HE80) 5690MHz Ant2

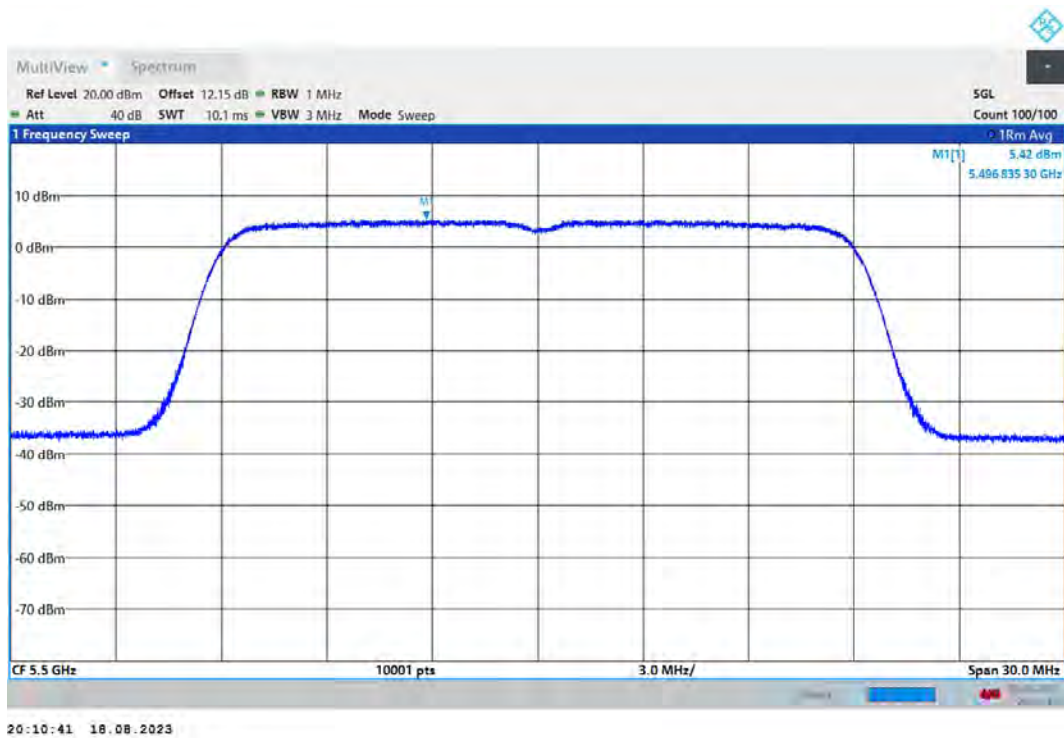


11:12:47 19.08.2023

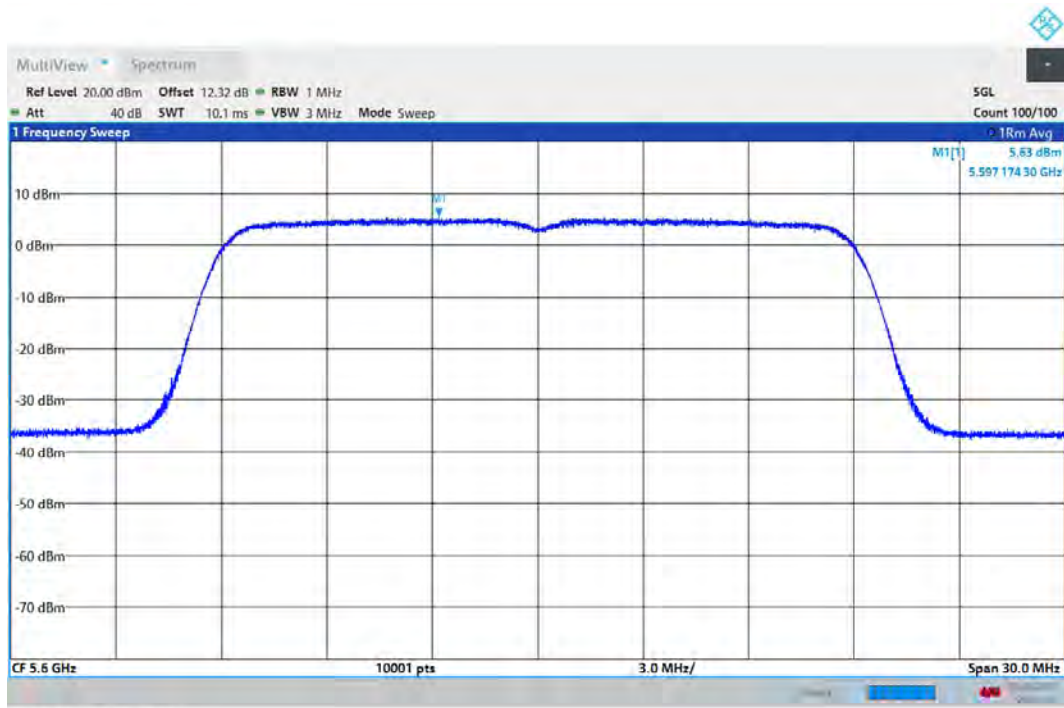
PSD 802.11n(HT20) 5500MHz Ant1



PSD 802.11n(HT20) 5500MHz Ant2

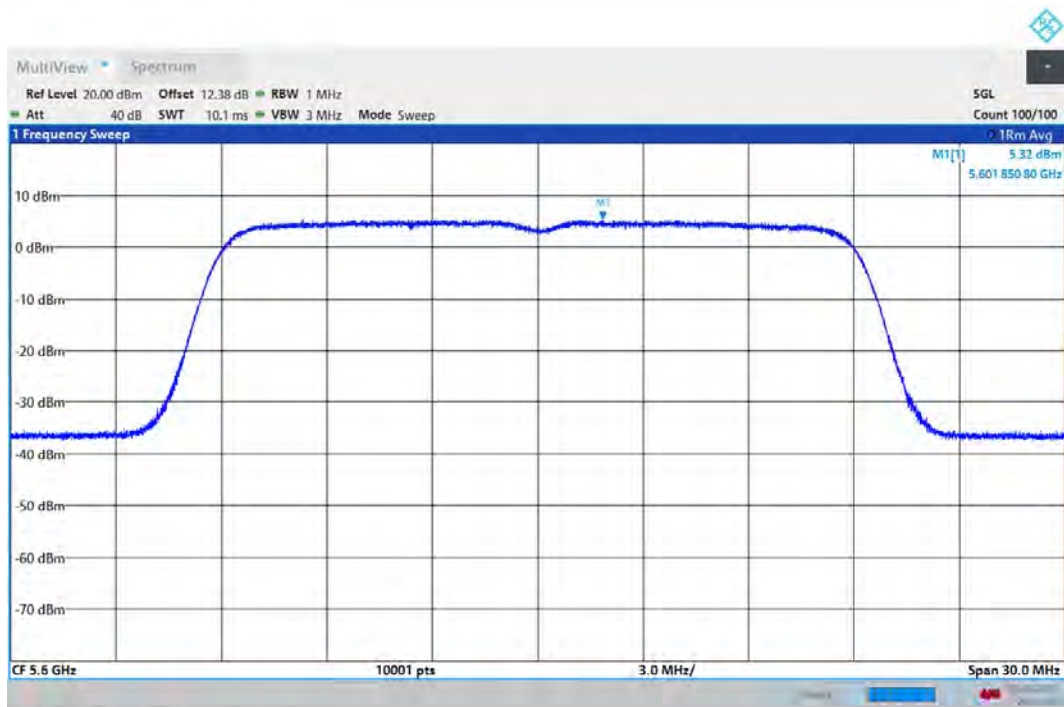


PSD 802.11n(HT20) 5600MHz Ant1



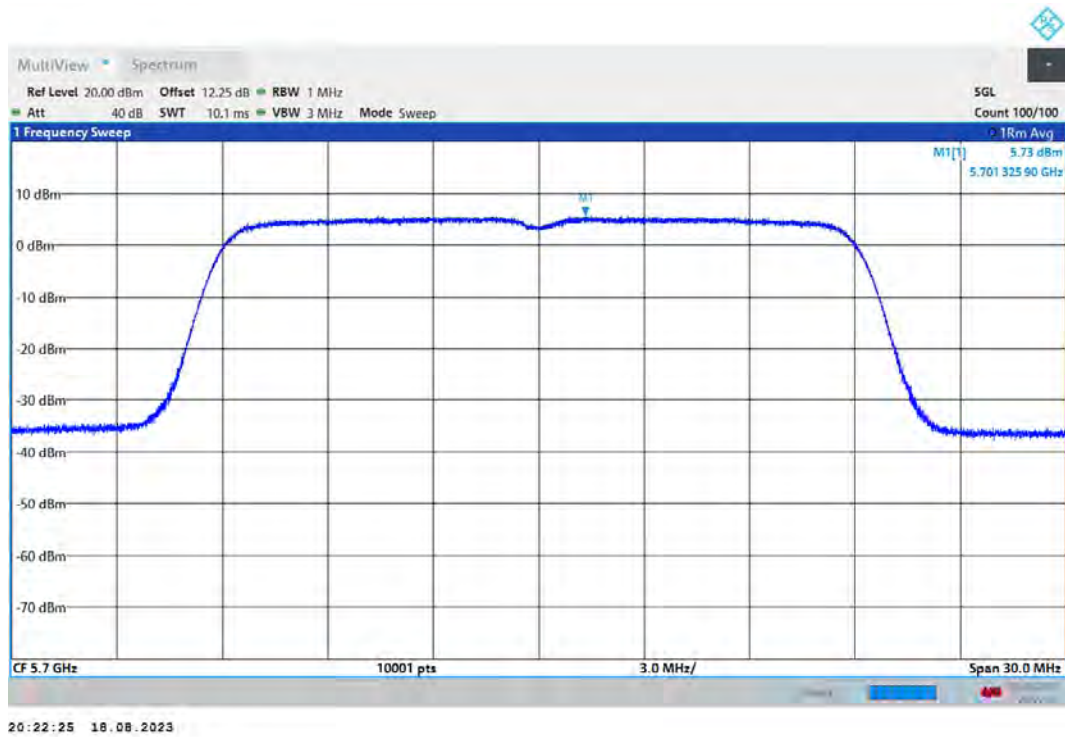
20:16:26 18.08.2023

PSD 802.11n(HT20) 5600MHz Ant2

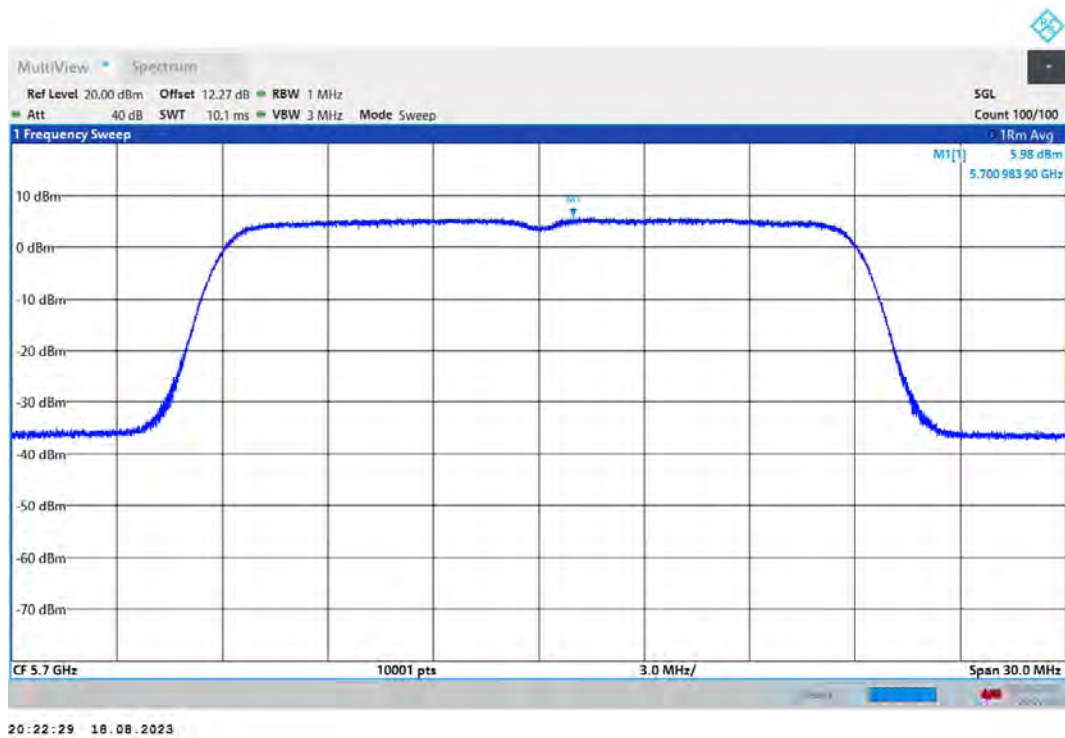


20:16:30 18.08.2023

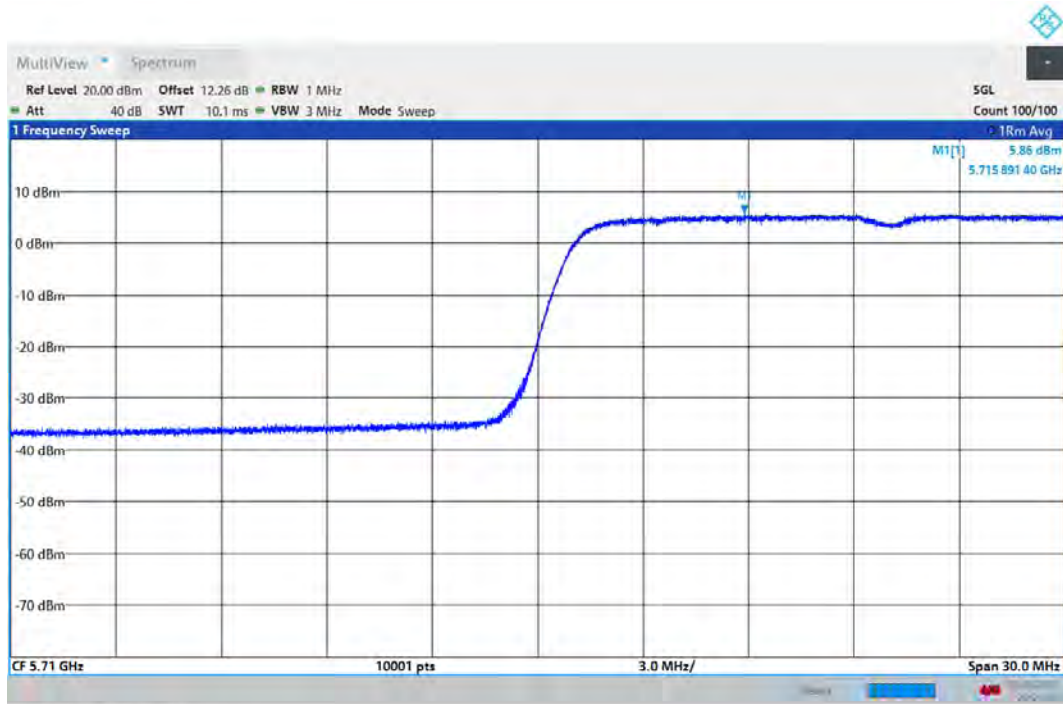
PSD 802.11n(HT20) 5700MHz Ant1



PSD 802.11n(HT20) 5700MHz Ant2

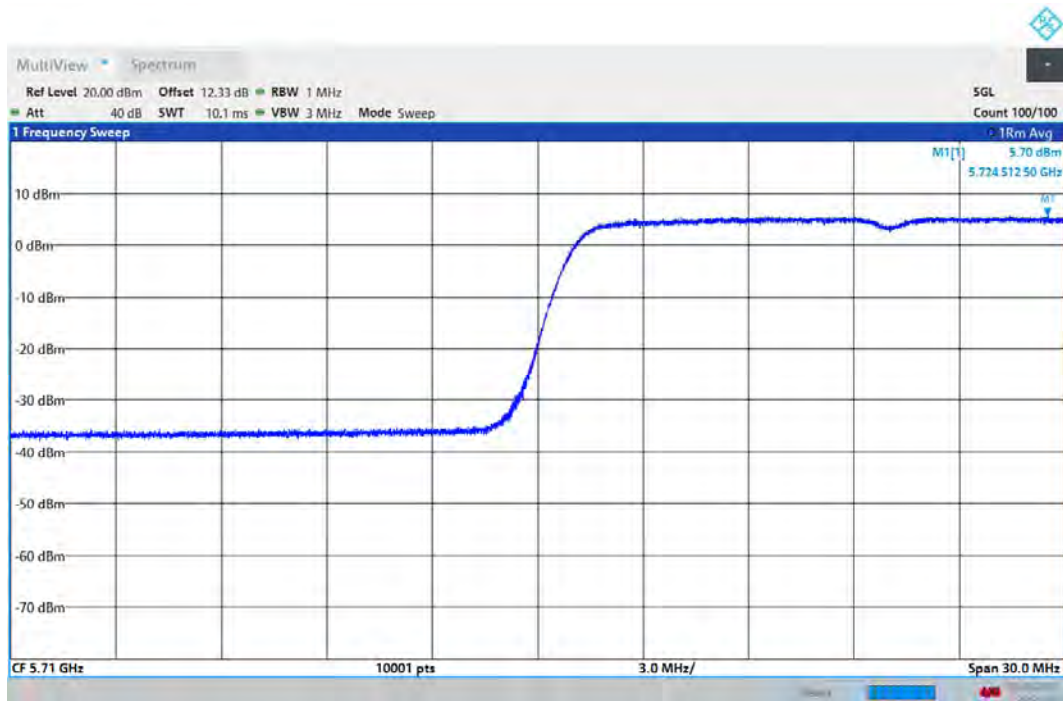


PSD 802.11n(HT20) 5720MHz Ant1



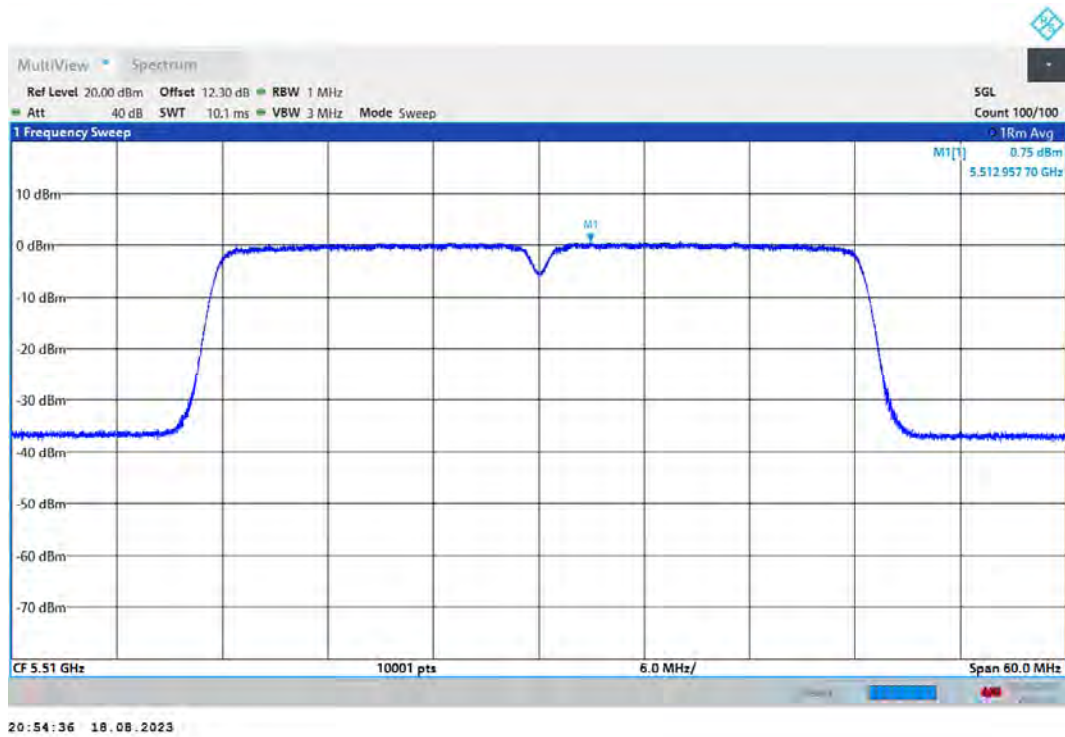
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PSD 802.11n(HT20) 5720MHz Ant2

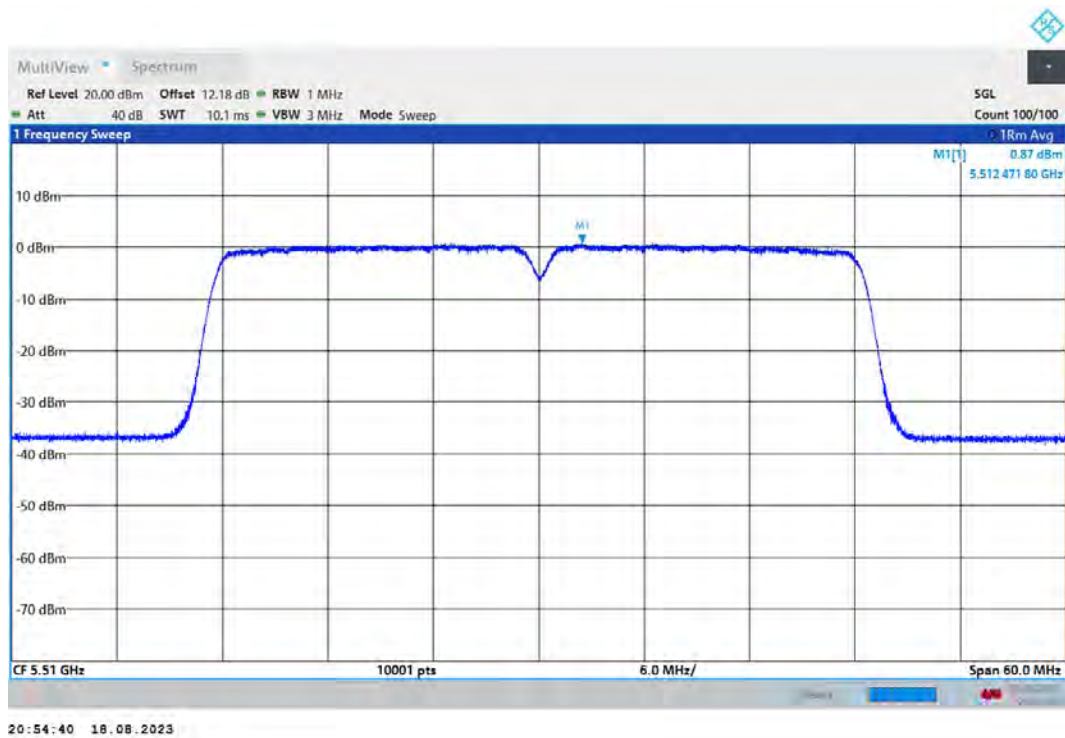


20:26:34 18.08.2023

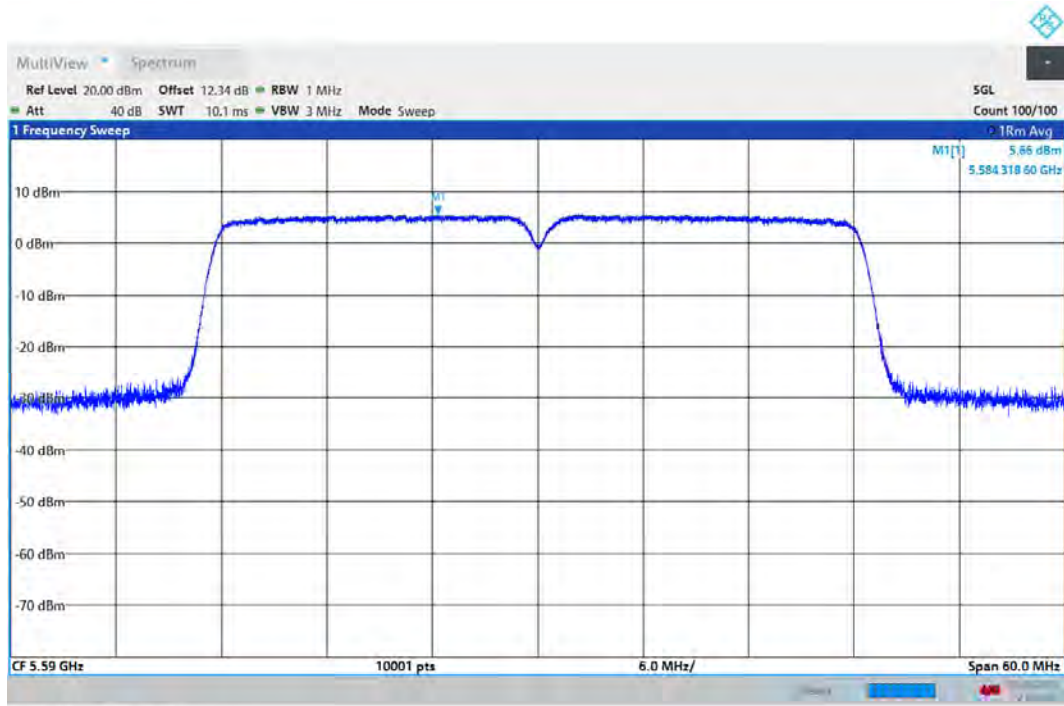
PSD 802.11n(HT40) 5510MHz Ant1



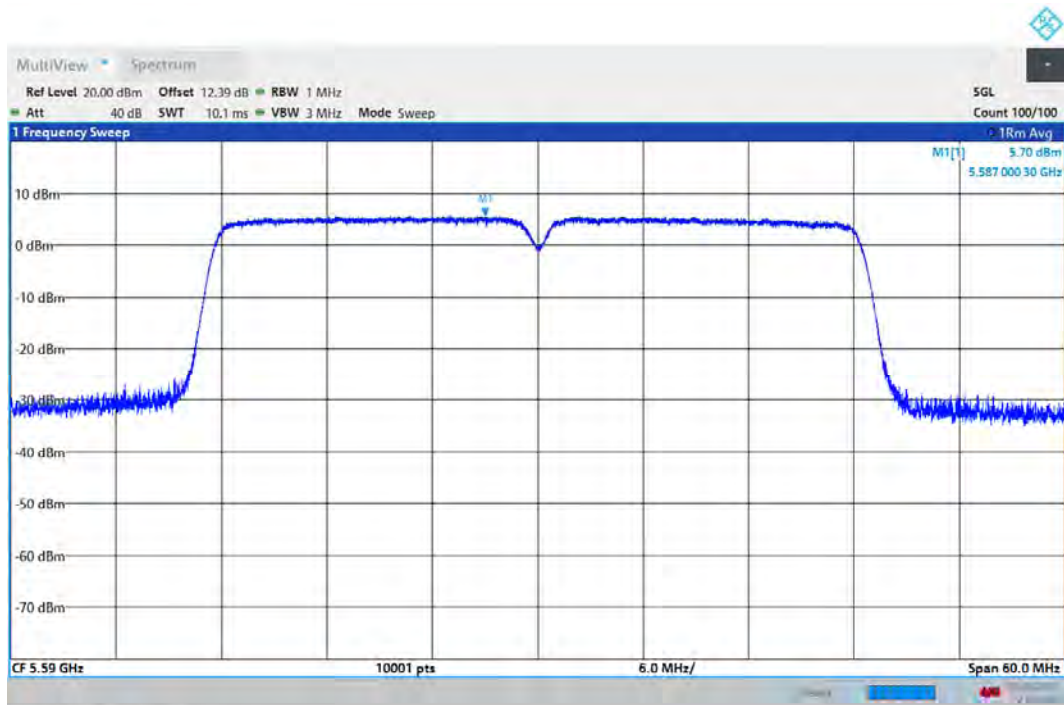
PSD 802.11n(HT40) 5510MHz Ant2



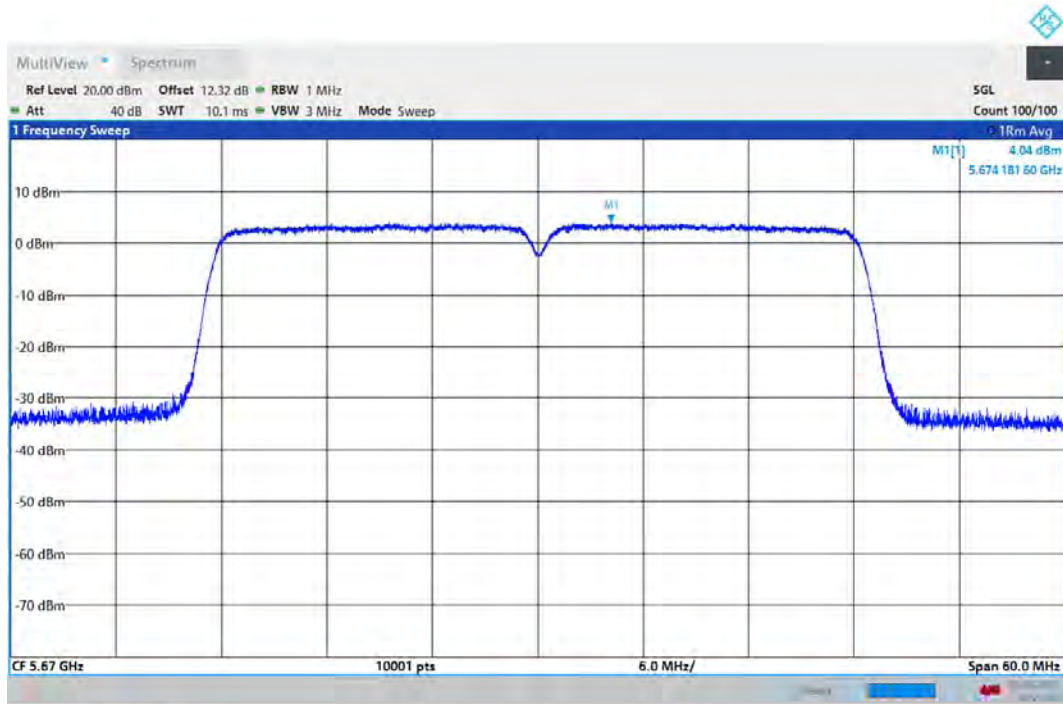
PSD 802.11n(HT40) 5590MHz Ant1



PSD 802.11n(HT40) 5590MHz Ant2

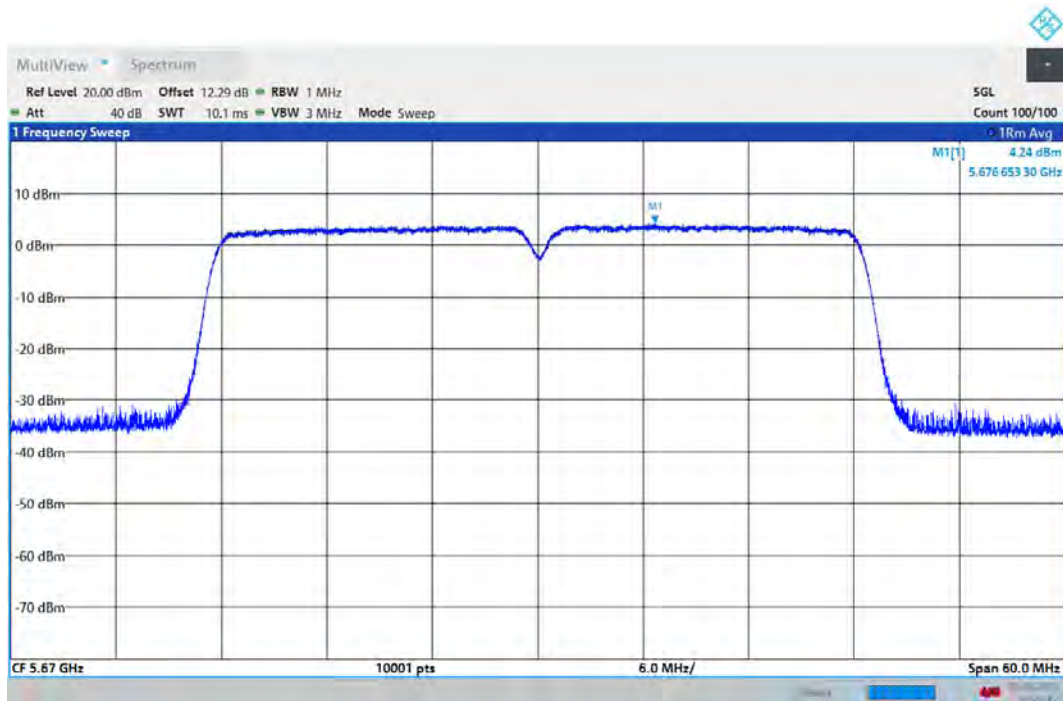


PSD 802.11n(HT40) 5670MHz Ant1



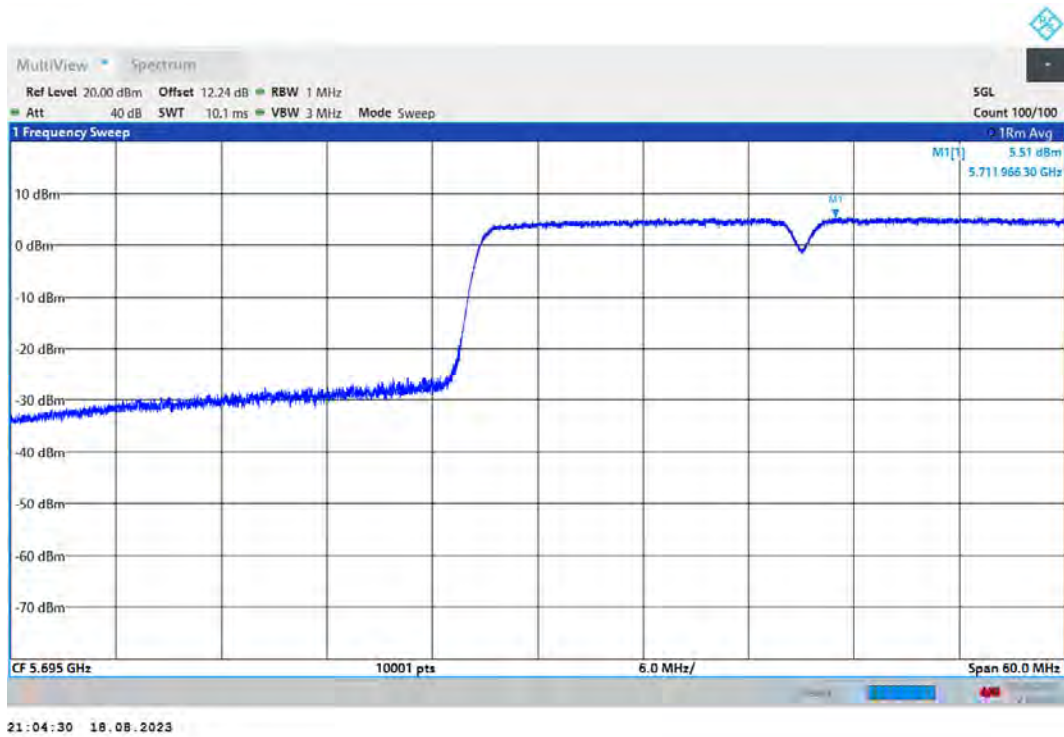
16:26:39 19.08.2023

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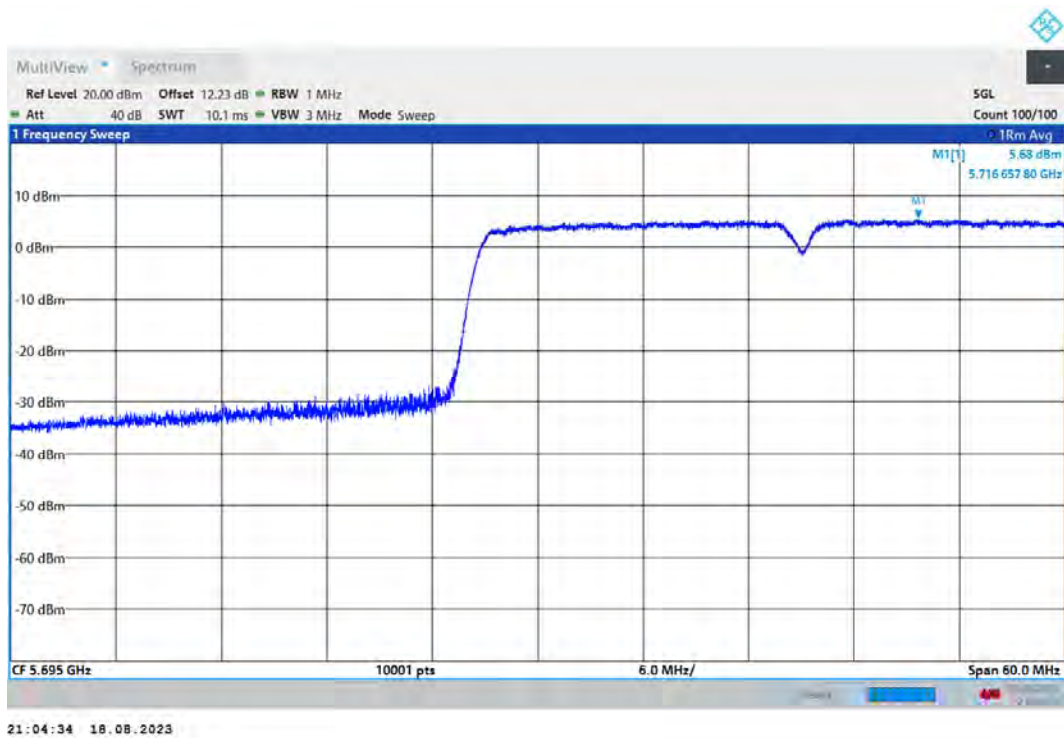


16:26:43 19.08.2023

PSD 802.11n(HT40) 5710MHz Ant1

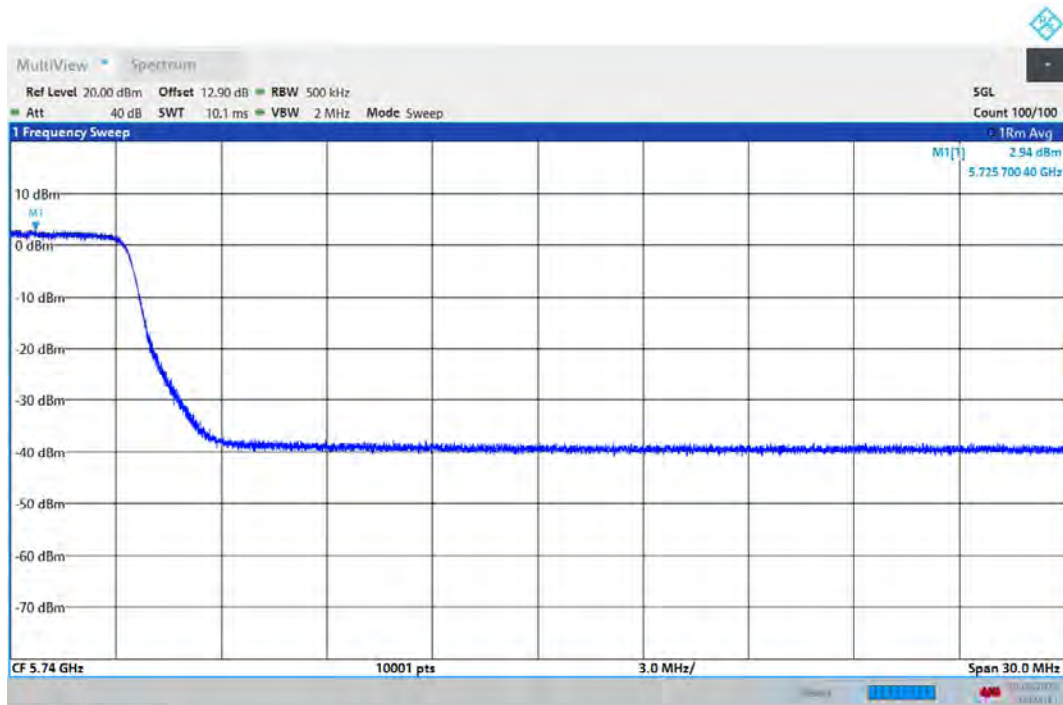


PSD 802.11n(HT40) 5710MHz Ant2



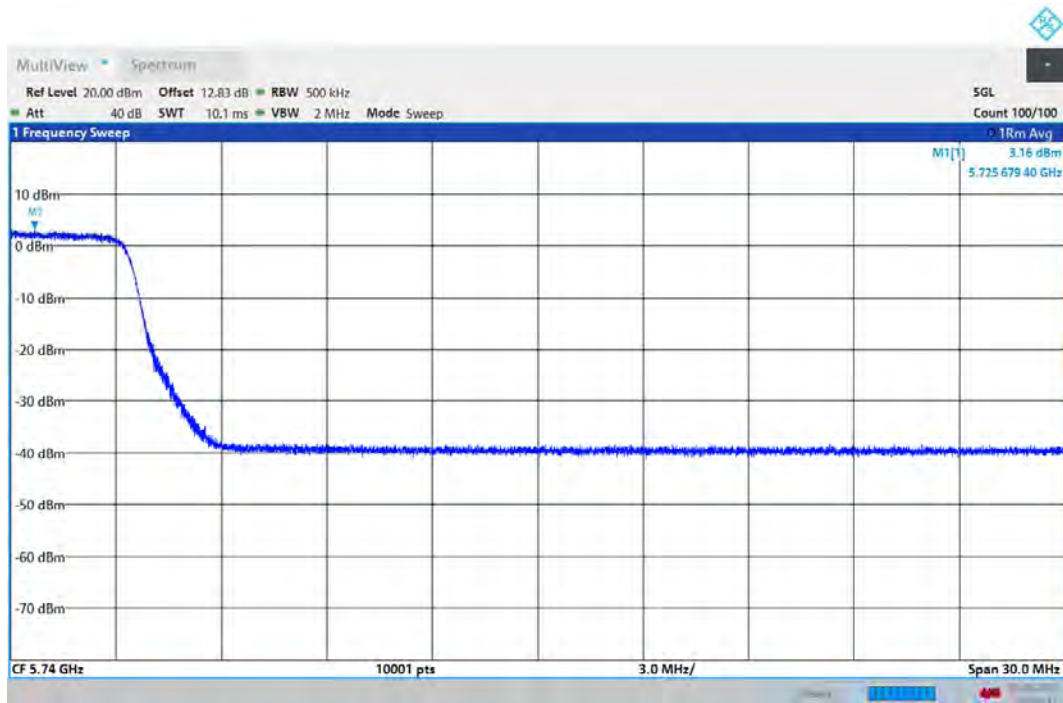
U-NII-3

PSD 802.11a 5720MHz Ant1



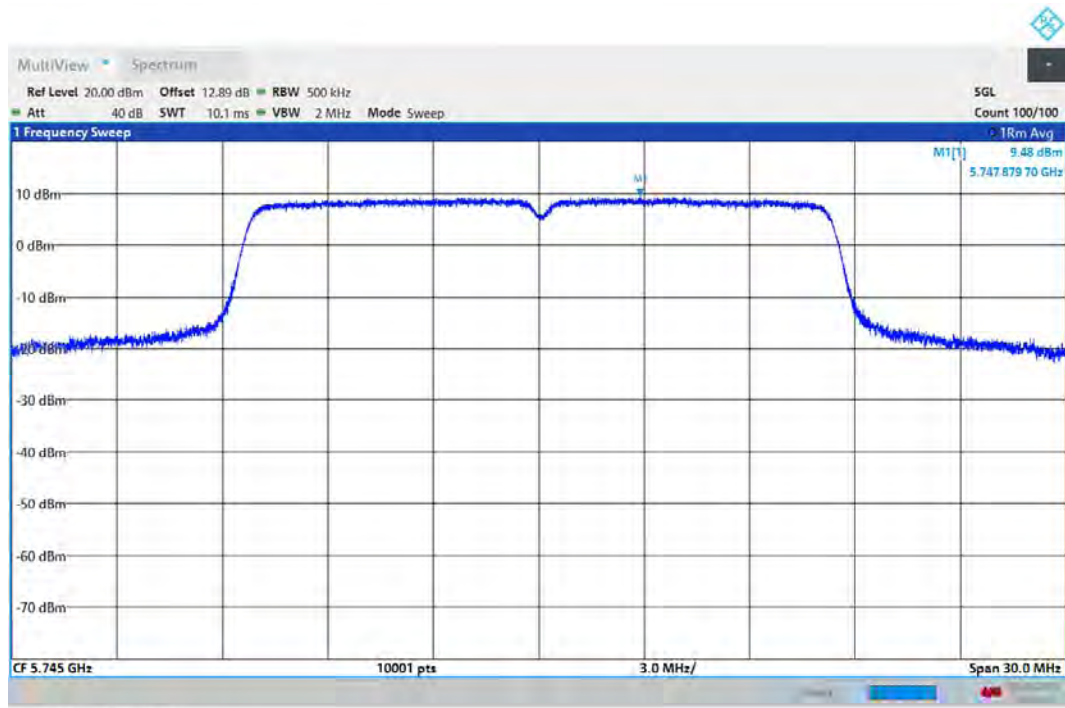
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PSD 802.11a 5720MHz Ant2



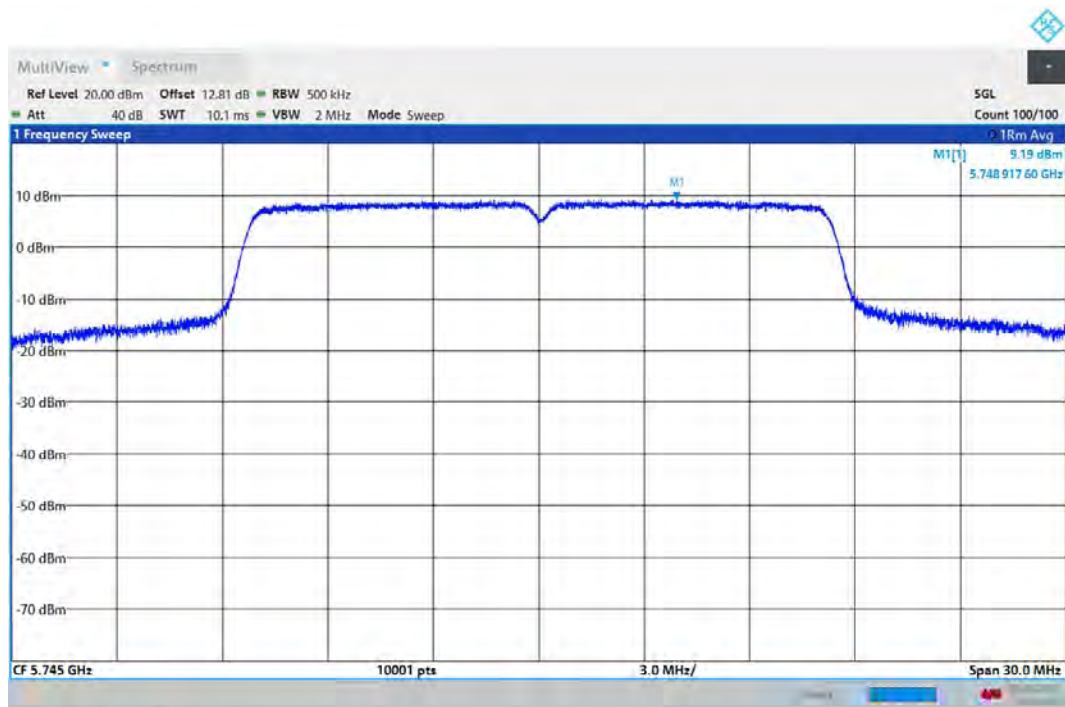
14:34:15 19.08.2023

PSD 802.11a 5745MHz Ant1



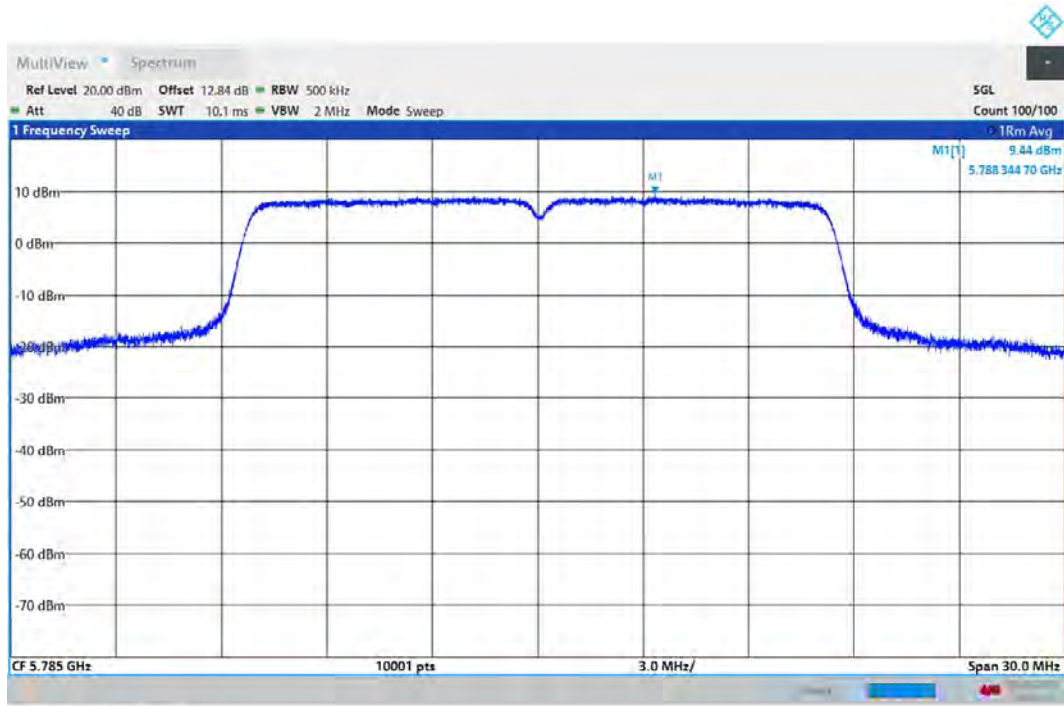
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PSD 802.11a 5745MHz Ant2

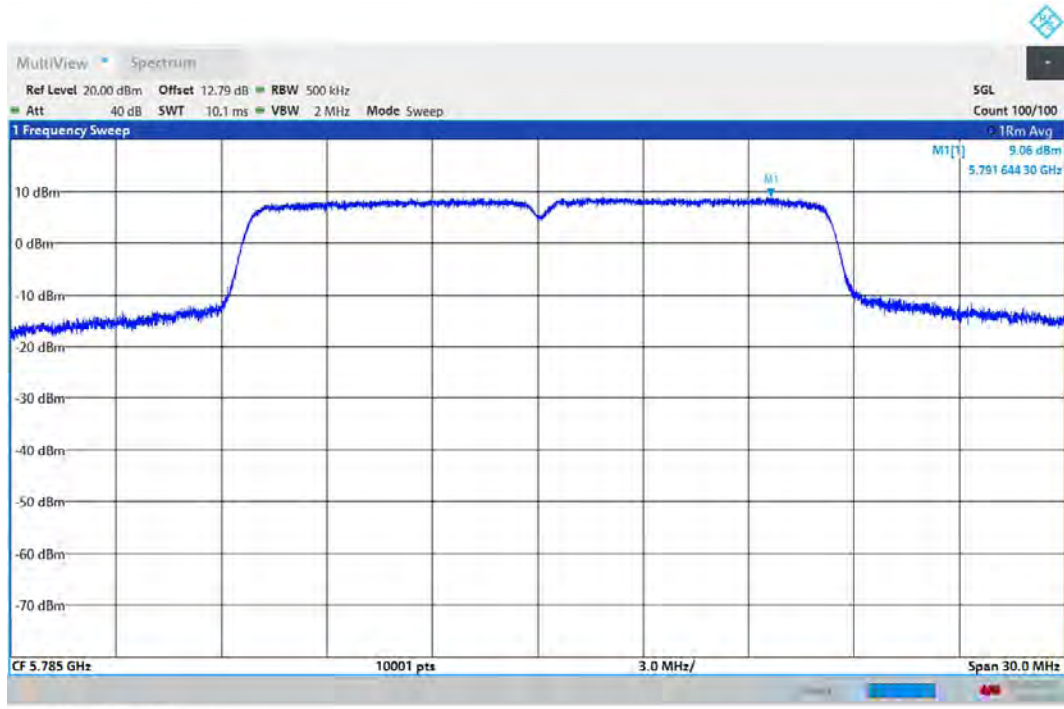


14:34:59 19.08.2023

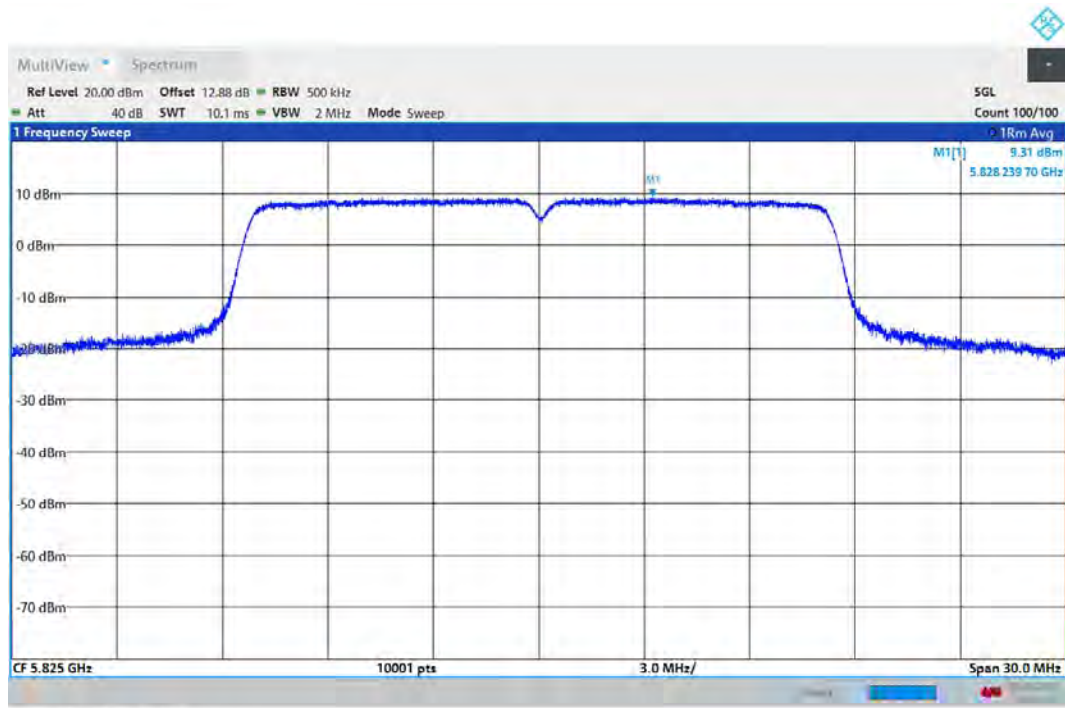
PSD 802.11a 5785MHz Ant1



PSD 802.11a 5785MHz Ant2

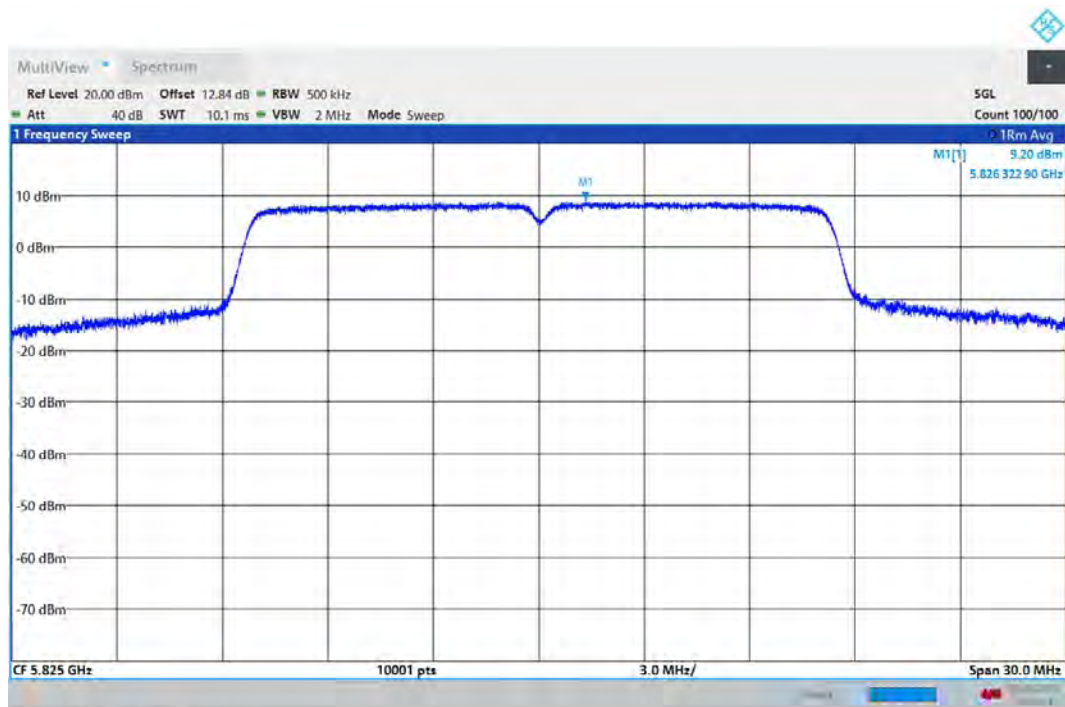


PSD 802.11a 5825MHz Ant1



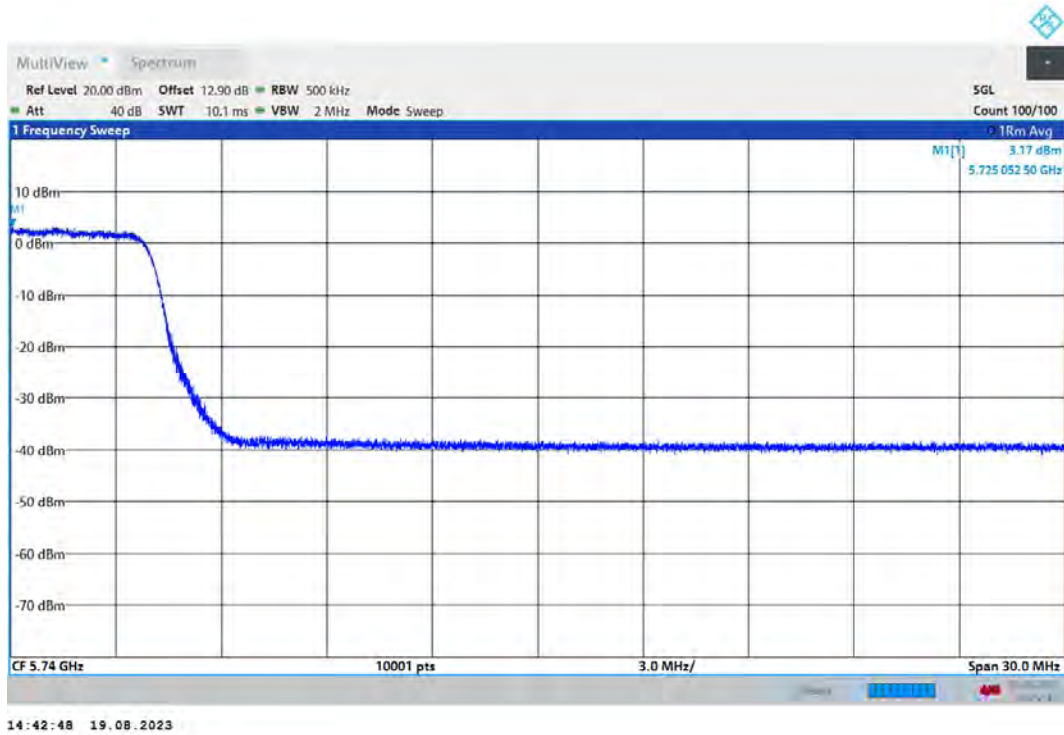
14:36:37 19.08.2023

PSD 802.11a 5825MHz Ant2

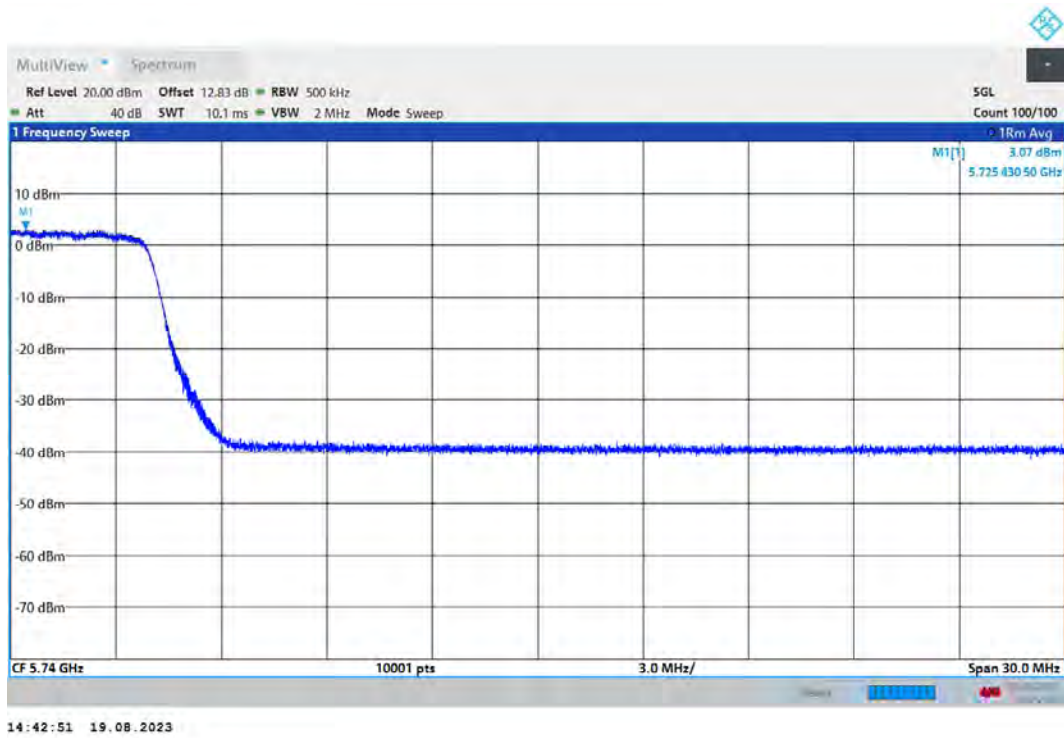


14:36:41 19.08.2023

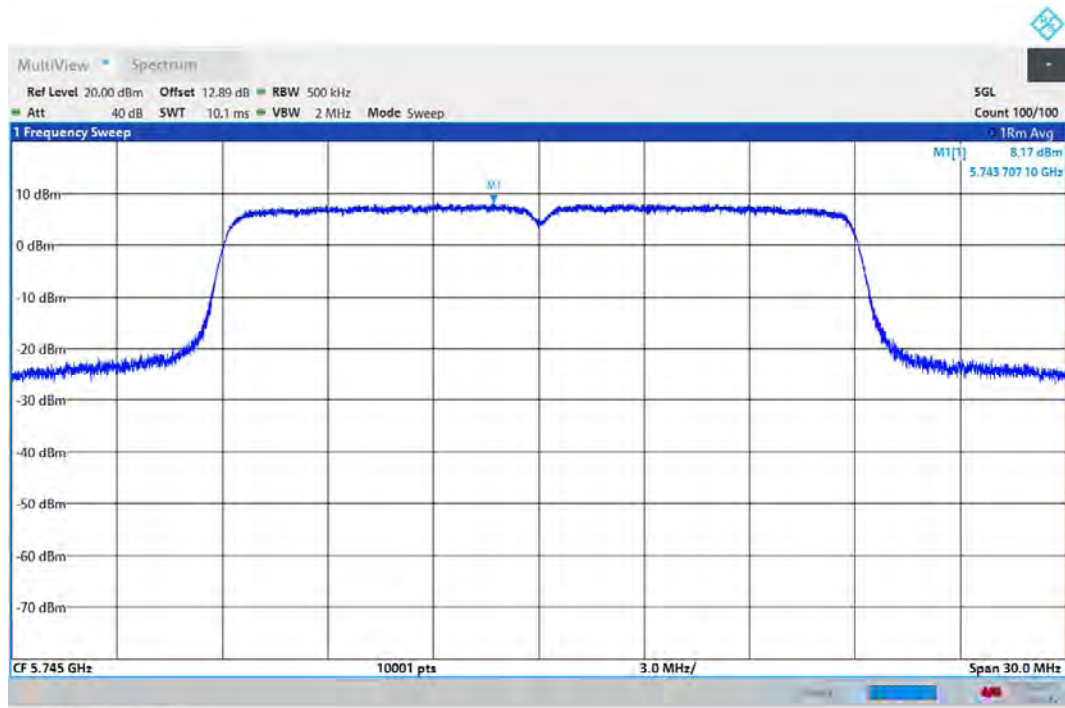
PSD 802.11ac(VHT20) 5720MHz Ant1



PSD 802.11ac(VHT20) 5720MHz Ant2

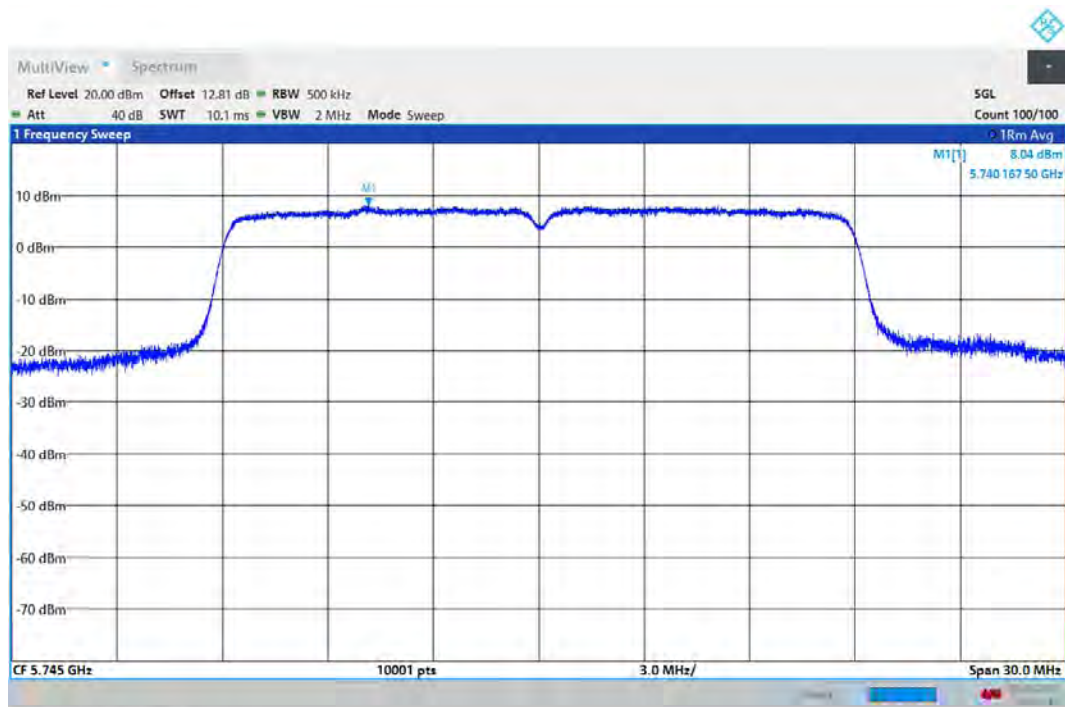


PSD 802.11ac(VHT20) 5745MHz Ant1



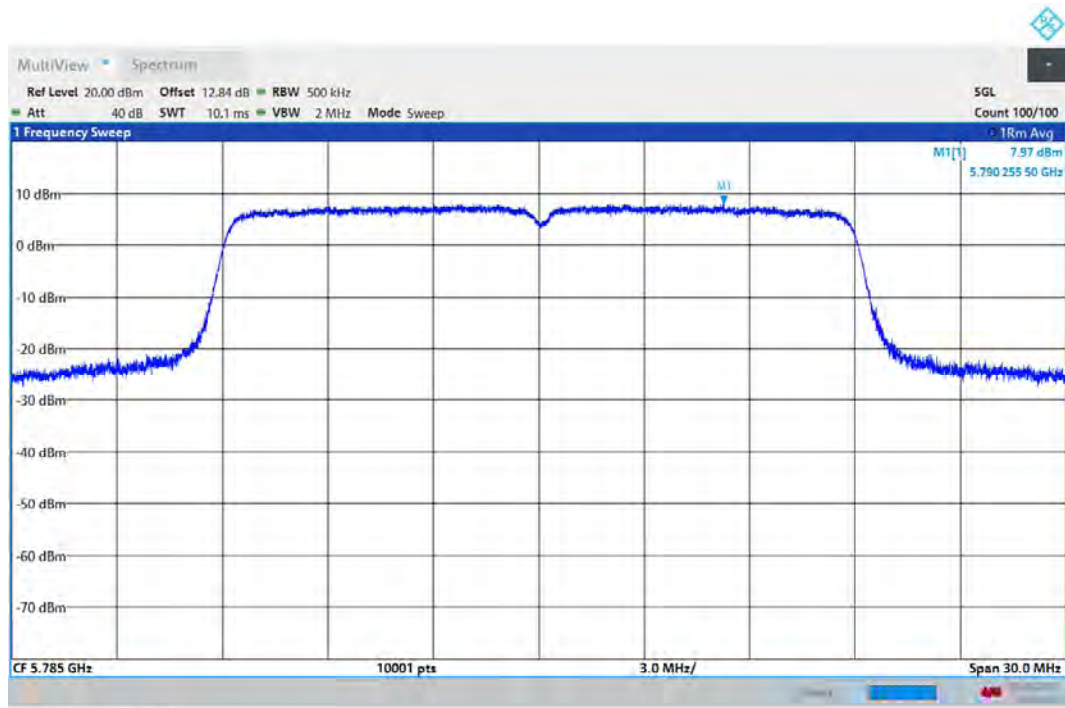
14:43:43 19.08.2023

PSD 802.11ac(VHT20) 5745MHz Ant2



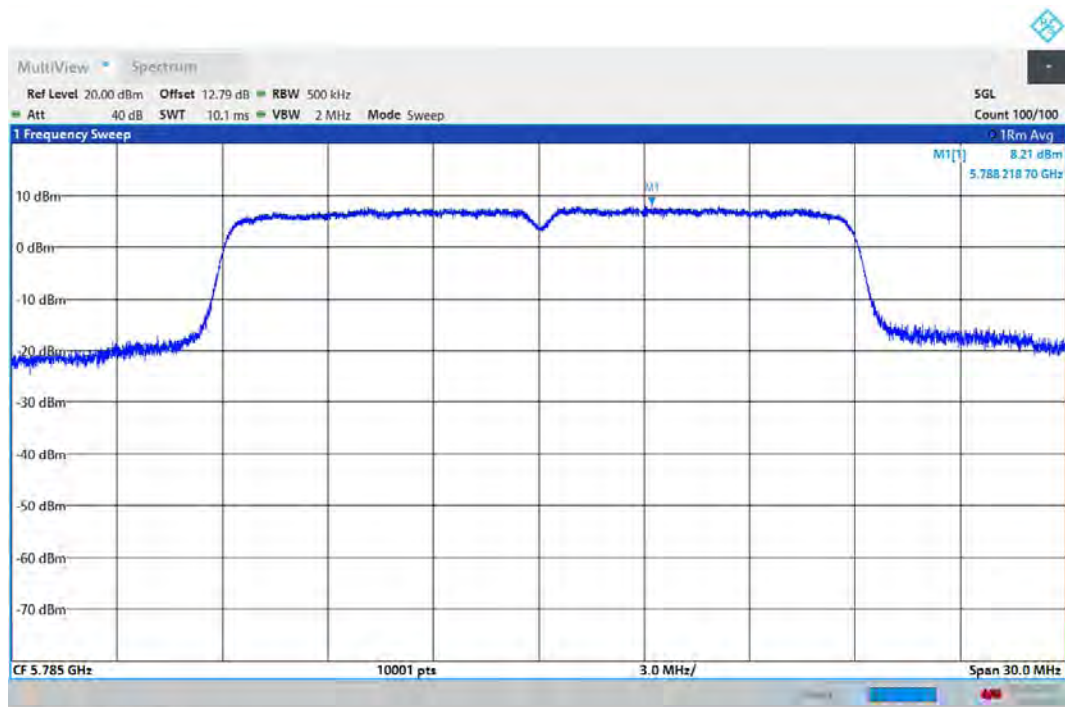
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PSD 802.11ac(VHT20) 5785MHz Ant1



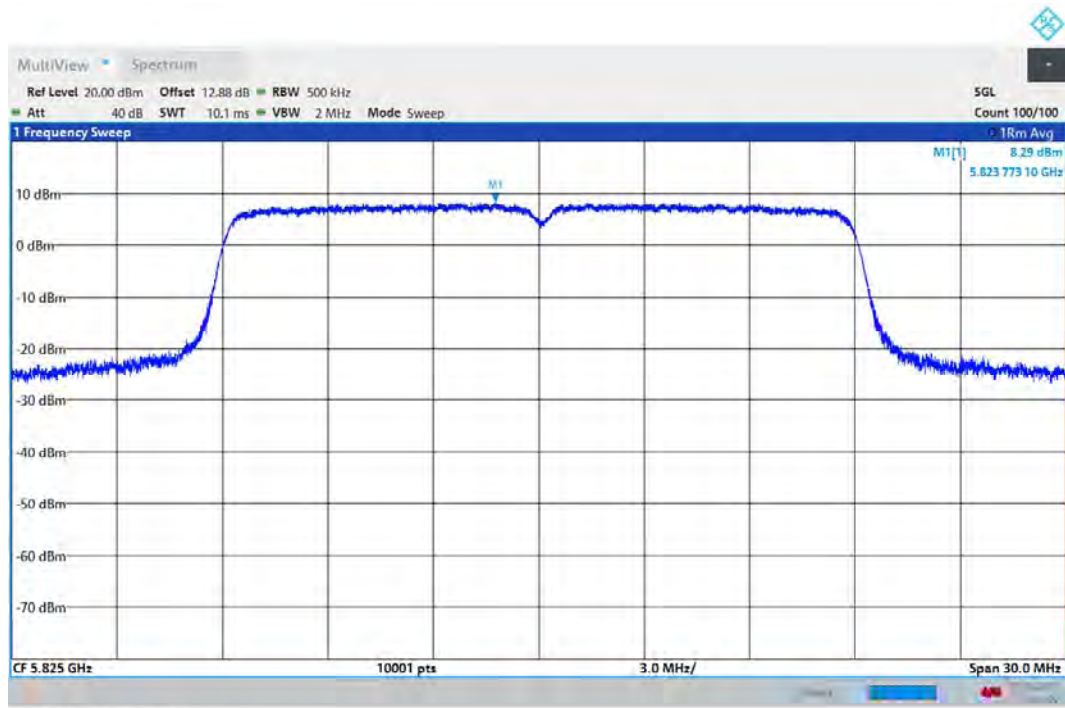
14:44:25 19.08.2023

PSD 802.11ac(VHT20) 5785MHz Ant2



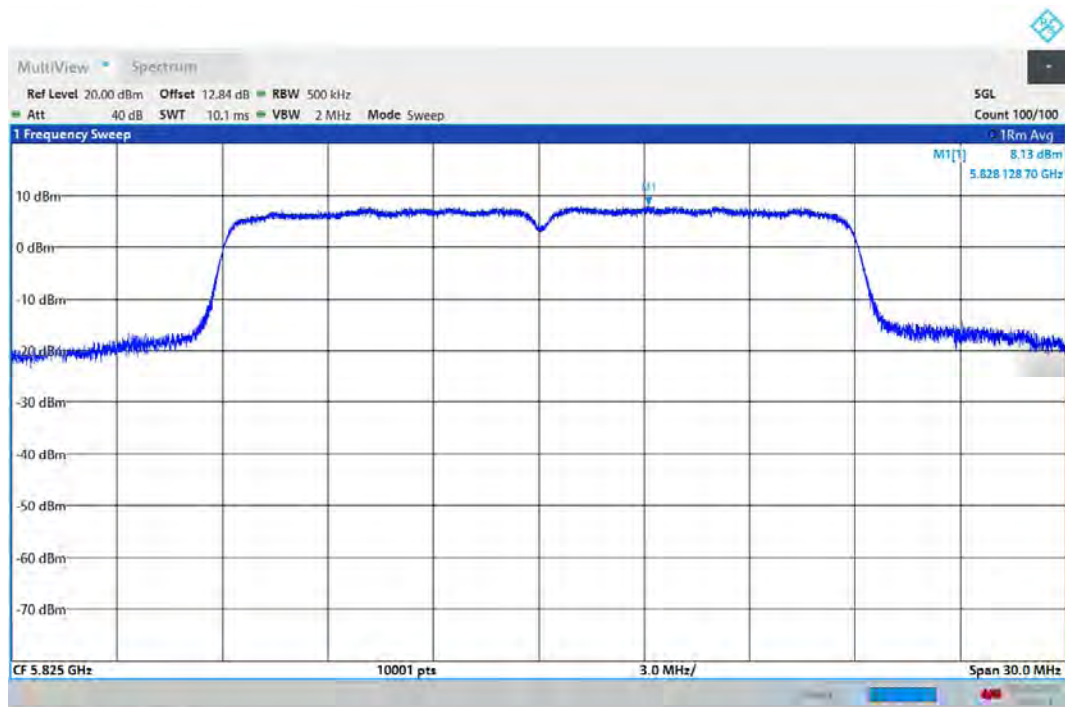
14:44:29 19.08.2023

PSD 802.11ac(VHT20) 5825MHz Ant1



14:45:07 19.08.2023

PSD 802.11ac(VHT20) 5825MHz Ant2



14:45:11 19.08.2023