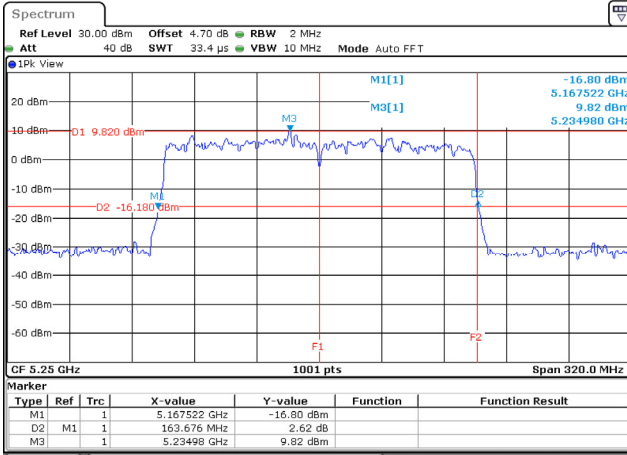


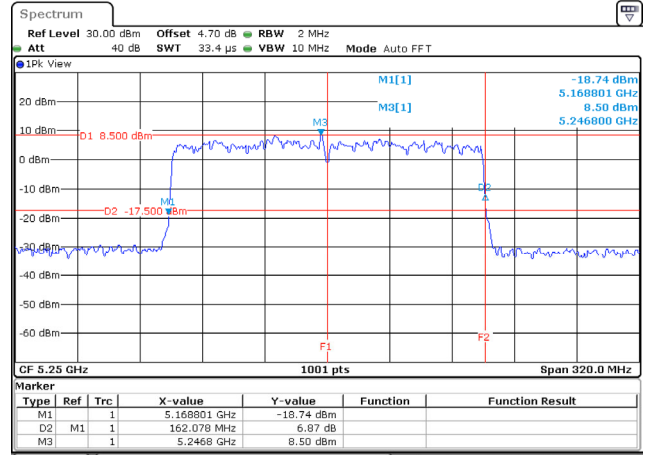
### Spectrum plot of worst value

802.11ax (160 MHz) / Ant. 3 / 5250 MHz (U-NII-1)

802.11ax (160 MHz) / Ant. 1 / 5250 MHz (U-NII-2A)

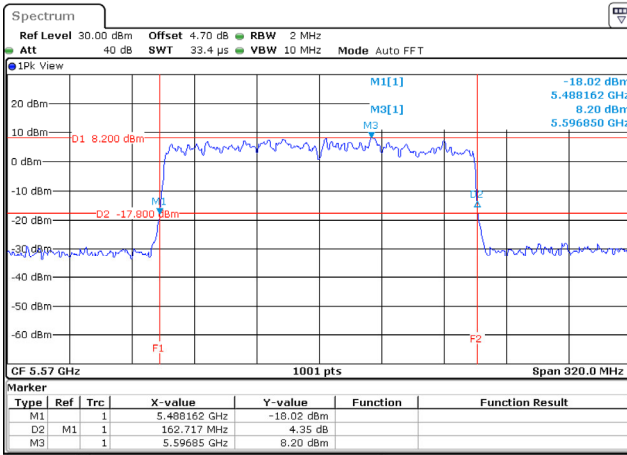


Date: 6.NOV.2023 10:58:32



Date: 6.NOV.2023 10:57:34

802.11ax (160 MHz) / Ant. 3 / 5570 MHz (U-NII-2C)

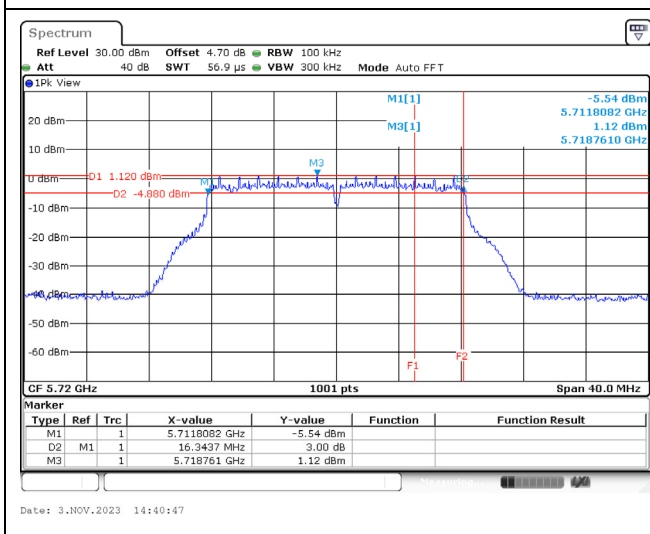


Date: 3.NOV.2023 10:55:21

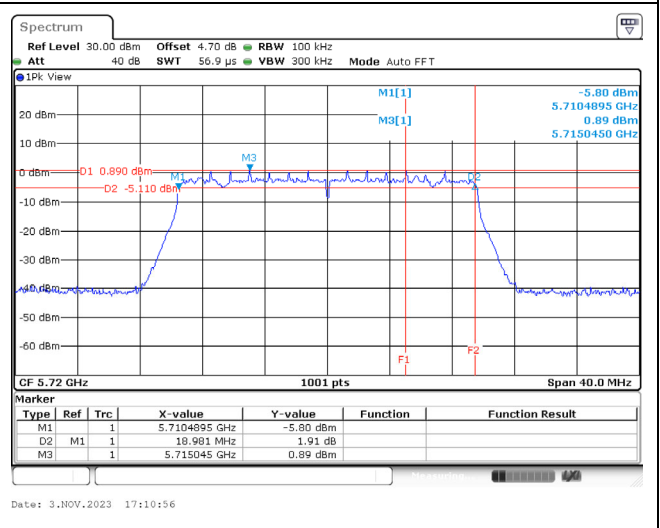
For DTS Bandwidth:

Spectrum plot of worst value

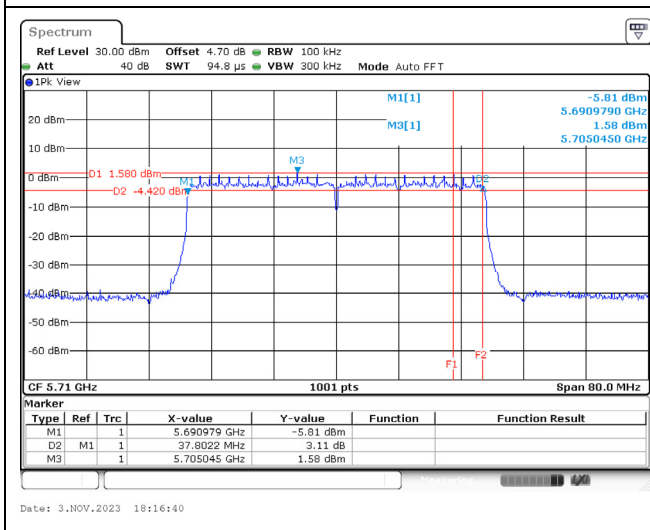
802.11a / Ant. 0 / 5720 MHz



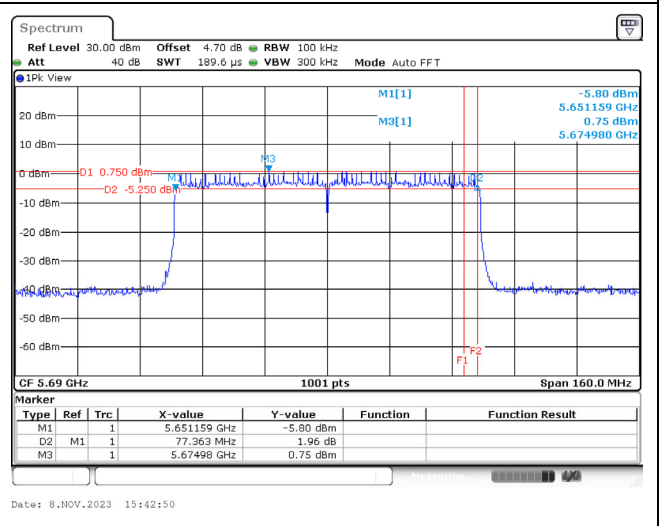
802.11ax (20 MHz) / Ant. 2 / 5720 MHz



802.11ax (40 MHz) / Ant. 1 / 5710 MHz



802.11ax (80 MHz) / Ant. 0 / 5690 MHz



## Appendix C. Test Result of Maximum Conducted Output Power

<Non-beamforming mode>

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)						Max. Antenna Gain (dBi)	EIRP Power (dBm)	EIRP Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	Limit (dBm)			
802.11a	5180	19.53	19.77	19.38	19.74	25.63	30.00	4.40	30.03	36.00
	5220	19.15	19.52	19.11	19.47	25.34	30.00	4.40	29.74	36.00
	5240	19.07	19.41	19.03	19.37	25.24	30.00	4.40	29.64	36.00
	5260	13.66	13.57	13.03	11.05	18.97	24.00	4.30	23.27	30.00
	5300	13.38	13.42	13.01	11.26	18.87	24.00	4.30	23.17	30.00
	5320	13.88	13.92	13.56	12.02	19.43	24.00	4.30	23.73	30.00
	5500	13.15	13.11	13.25	13.33	19.23	24.00	4.30	23.53	30.00
	5580	13.12	13.05	13.00	13.33	19.15	24.00	4.30	23.45	30.00
	5700	13.25	13.31	13.25	13.65	19.39	24.00	4.30	23.69	30.00
	5720 (U-NII-2C)	11.81	11.70	11.66	11.93	17.80	22.98	4.30	22.10	28.98
	5720 (U-NII-3)	5.55	5.75	5.69	5.62	11.67	30.00	4.50	16.17	36.00
	5745	16.21	16.11	16.04	16.29	22.18	30.00	4.50	26.68	36.00
	5785	16.62	16.58	16.57	16.75	22.65	30.00	4.50	27.15	36.00
	5825	16.44	16.17	16.61	17.04	22.60	30.00	4.50	27.10	36.00
802.11ax (20 MHz)	5180	19.43	19.31	19.17	19.30	25.32	30.00	4.40	29.72	36.00
	5220	19.28	19.27	19.06	19.21	25.23	30.00	4.40	29.63	36.00
	5240	19.83	19.91	19.55	19.88	25.82	30.00	4.40	30.22	36.00
	5260	14.77	14.91	14.14	12.44	20.19	24.00	4.30	24.49	30.00
	5300	14.51	14.77	14.18	12.56	20.11	24.00	4.30	24.41	30.00
	5320	14.47	14.58	14.20	12.24	19.99	24.00	4.30	24.29	30.00
	5500	13.68	13.52	13.61	14.01	19.73	24.00	4.30	24.03	30.00
	5580	14.10	14.07	14.02	14.32	20.15	24.00	4.30	24.45	30.00
	5700	14.28	14.33	14.16	14.85	20.43	24.00	4.30	24.73	30.00
	5720 (U-NII-2C)	11.64	11.54	11.55	12.04	17.72	23.03	4.30	22.02	29.03
	5720 (U-NII-3)	6.52	6.47	6.49	6.75	12.58	30.00	4.50	17.08	36.00
	5745	15.72	15.84	15.73	15.91	21.82	30.00	4.50	26.32	36.00
	5785	16.04	16.10	16.02	16.16	22.10	30.00	4.50	26.60	36.00
	5825	15.90	15.85	15.81	16.20	21.96	30.00	4.50	26.46	36.00

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)						Max. Antenna Gain (dBi)	EIRP Power (dBm)	EIRP Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	Limit (dBm)			
802.11ax (40 MHz)	5190	18.29	18.67	18.17	18.66	24.47	30.00	4.40	28.87	36.00
	5230	21.72	21.84	21.31	21.88	27.71	30.00	4.40	32.11	36.00
	5270	16.66	16.60	16.07	16.85	22.58	24.00	4.30	26.88	30.00
	5310	16.73	16.67	16.33	16.73	22.64	24.00	4.30	26.94	30.00
	5510	16.41	16.44	16.45	16.81	22.55	24.00	4.30	26.85	30.00
	5550	16.35	16.21	16.43	16.89	22.50	24.00	4.30	26.80	30.00
	5670	16.54	16.44	16.46	16.83	22.59	24.00	4.30	26.89	30.00
	5710 (U-NII-2C)	15.55	15.47	15.43	15.69	21.56	24.00	4.30	25.86	30.00
	5710 (U-NII-3)	5.89	5.90	5.92	5.83	11.91	30.00	4.50	16.41	36.00
	5755	20.41	20.35	20.12	20.61	26.40	30.00	4.50	30.90	36.00
5795	19.91	19.83	19.85	20.16	25.96	30.00	4.50	30.46	36.00	
802.11ax (80 MHz)	5210	17.35	17.45	17.24	17.48	23.40	30.00	4.40	27.80	36.00
	5290	17.47	17.50	17.98	17.79	23.71	24.00	4.30	28.01	30.00
	5530	17.98	17.86	17.86	17.88	23.92	24.00	4.30	28.22	30.00
	5610	17.77	17.68	17.91	17.81	23.81	24.00	4.30	28.11	30.00
	5690 (U-NII-2C)	17.88	17.82	18.07	18.00	23.96	24.00	4.30	28.26	30.00
	5690 (U-NII-3)	5.00	4.62	5.05	4.93	10.92	30.00	4.50	15.42	36.00
	5775	22.21	22.03	21.95	22.34	28.16	30.00	4.50	32.66	36.00
802.11ax (160 MHz)	5250 (U-NII-2C)	13.00	12.77	12.59	12.78	18.81	30.00	4.40	23.21	36.00
	5250 (U-NII-3)	12.32	12.37	11.84	12.22	18.21	24.00	4.30	22.51	30.00
	5570	17.27	17.01	17.04	17.33	23.19	24.00	4.30	27.49	30.00

Note:

- For straddle channels, the total power = conducted output power + duty factor, and the duty factor refer to section 2.3.
- Maximum Conducted Output Power limit =  $11+10*\log(26\text{dB BW})$  or 24dBm  
 802.11a 5720 MHz (U-NII-2C):  $11+10*\log(15.790)=22.98\text{dBm}<24\text{dBm}$ , so limit=22.98dBm.  
 802.11ax (20 MHz) 5720 MHz (U-NII-2C):  $11+10*\log(15.950)=23.03\text{dBm}<24\text{dBm}$ , so limit=23.03dBm.
- EIRP limit =  $11+10*\log(26\text{dB BW})+6$  or 24dBm  
 802.11a 5720 MHz (U-NII-2C):  $11+10*\log(15.790)+6=28.98\text{dBm}>24\text{dBm}$ , so limit=28.98dBm.  
 802.11ax (20 MHz) 5720 MHz (U-NII-2C):  $11+10*\log(15.950)+6=29.03\text{dBm}>24\text{dBm}$ , so limit=29.03dBm.

<Beamforming mode>

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)						Directional Antenna Gain (dBi)	EIRP Power (dBm)	EIRP Limit (dBm)
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total	Limit (dBm)			
802.11ax (20 MHz)	5180	13.25	13.19	13.15	13.33	19.25	26.71	9.293	28.54	36.00
	5220	13.25	13.21	13.01	13.14	19.18	26.71	9.293	28.47	36.00
	5240	13.74	13.53	13.32	13.65	19.58	26.71	9.293	28.88	36.00
	5260	8.80	8.98	8.00	6.51	14.20	20.53	9.467	23.66	30.00
	5300	8.59	8.22	8.01	6.44	13.91	20.53	9.467	23.37	30.00
	5320	8.37	8.78	8.20	6.21	14.01	20.53	9.467	23.48	30.00
	5500	7.64	7.31	7.41	7.48	13.48	20.53	9.467	22.95	30.00
	5580	8.04	8.03	8.13	8.18	14.12	20.53	9.467	23.58	30.00
	5700	8.25	8.23	8.21	8.75	14.39	20.53	9.467	23.85	30.00
	5720 (U-NII-2C)	5.62	5.52	5.53	6.02	11.70	19.56	9.467	21.16	29.03
	5720 (U-NII-3)	0.50	0.45	0.47	0.73	6.56	26.75	9.250	15.81	36.00
	5745	9.65	9.69	9.85	9.86	15.78	26.75	9.250	25.03	36.00
	5785	10.07	10.07	10.16	10.21	16.15	26.75	9.250	25.40	36.00
	5825	9.81	9.95	9.85	10.13	15.96	26.75	9.250	25.21	36.00
802.11ax (40 MHz)	5190	12.40	12.49	12.21	12.67	18.46	26.71	9.293	27.76	36.00
	5230	15.57	15.84	15.20	15.56	21.57	26.71	9.293	30.86	36.00
	5270	10.36	10.53	10.09	10.87	16.49	20.53	9.467	25.96	30.00
	5310	10.73	10.51	10.44	10.66	16.60	20.53	9.467	26.07	30.00
	5510	10.51	10.64	10.13	10.65	16.51	20.53	9.467	25.98	30.00
	5550	10.27	10.01	10.46	10.29	16.28	20.53	9.467	25.75	30.00
	5670	10.52	10.43	10.39	10.74	16.54	20.53	9.467	26.01	30.00
	5710 (U-NII-2C)	9.53	9.45	9.41	9.67	15.54	20.53	9.467	25.00	30.00
	5710 (U-NII-3)	-0.13	-0.12	-0.10	-0.19	5.89	26.75	9.250	15.14	36.00
	5755	14.40	14.28	14.19	14.45	20.35	26.75	9.250	29.60	36.00
5795	13.82	13.78	13.77	14.10	19.89	26.75	9.250	29.14	36.00	
802.11ax (80 MHz)	5210	11.44	11.36	11.25	11.40	17.38	26.71	9.293	26.68	36.00
	5290	11.21	11.40	11.80	11.86	17.60	20.53	9.467	27.06	30.00
	5530	11.84	11.99	11.74	11.72	17.84	20.53	9.467	27.31	30.00
	5610	11.63	11.46	11.81	11.86	17.71	20.53	9.467	27.18	30.00
	5690 (U-NII-2C)	11.86	11.80	12.05	11.98	17.94	20.53	9.467	27.41	30.00
	5690 (U-NII-3)	-1.02	-1.40	-0.97	-1.09	4.90	26.75	9.250	14.15	36.00
	5775	16.23	16.04	16.00	16.11	22.12	26.75	9.250	31.37	36.00
802.11ax (160 MHz)	5250 (U-NII-2C)	6.98	6.75	6.57	6.76	12.79	26.71	9.293	22.08	36.00
	5250 (U-NII-3)	6.30	6.35	5.82	6.20	12.19	20.53	9.467	21.66	30.00
	5570	11.27	10.84	11.11	11.23	17.14	20.53	9.467	26.60	30.00

Note:

- For straddle channels, the total power = conducted output power + duty factor, and the duty factor refer to section 2.3
- (U-NII-1) Directional Gain =  $10 \log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{Ant}] = 9.293 \text{dBi} > 6 \text{dBi}$ , so the limit =  $30 - (9.293 -$

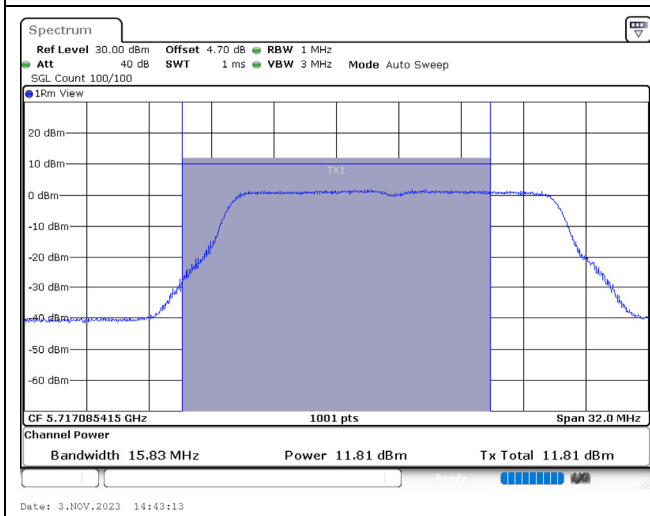
6) = 26.71dBm.

3. (U-NII-2A) Directional Gain =  $10\log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{Ant}] = 9.467\text{dBi} > 6\text{dBi}$ , so the limit =  $24 - (9.467 - 6) = 20.53\text{dBm}$
4. (U-NII-2C) Directional Gain =  $10\log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{Ant}] = 9.467\text{dBi} > 6\text{dBi}$ , so the limit =  $24 - (9.467 - 6) = 20.53\text{dBm}$
5. (U-NII-3) Directional Gain =  $10\log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{Ant}] = 9.250\text{dBi} > 6\text{dBi}$ , so the limit =  $30 - (9.250 - 6) = 26.75\text{dBm}$
6. When the directional gain > 6dBi, the limit =  $11 + 10 \cdot \log(26\text{dB BW}) - (\text{directional gain} - 6)$  or 24dBm.  
5720 MHz (U-NII-2C): Directional Gain =  $10\log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{Ant}] = 9.467\text{dBi} > 6\text{dBi}$ ,  
 $11 + 10 \cdot \log(15.950) - (9.467 - 6) = 19.56\text{dBm} < 24\text{dBm}$ , so limit = 19.56dBm
7. EIRP limit =  $11 + 10 \cdot \log(26\text{dB BW}) + 6$  or 24dBm  
802.11ax (20 MHz) 5720 MHz (U-NII-2C):  $11 + 10 \cdot \log(15.950) + 6 = 29.03\text{dBm} > 24\text{dBm}$ , so limit = 29.03dBm.

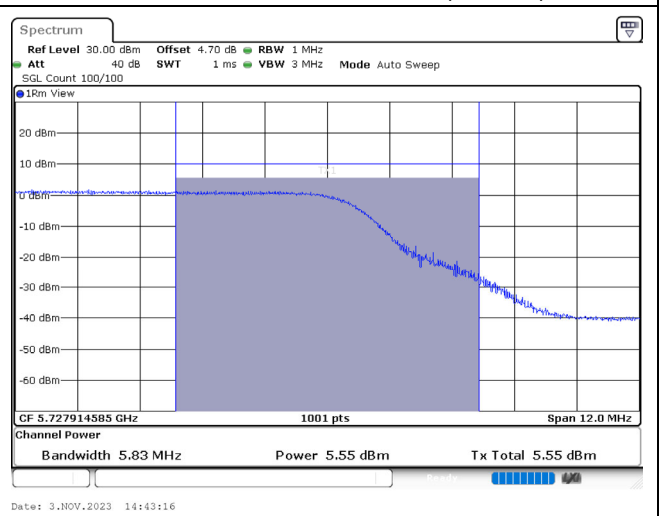
## For Straddle Channels of power

### Spectrum plot value of power

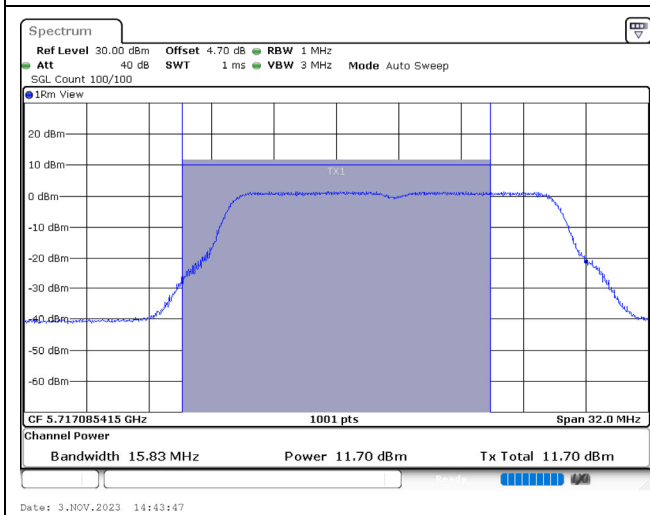
802.11a / Ant. 0 / 5720 MHz (U-NII-2C)



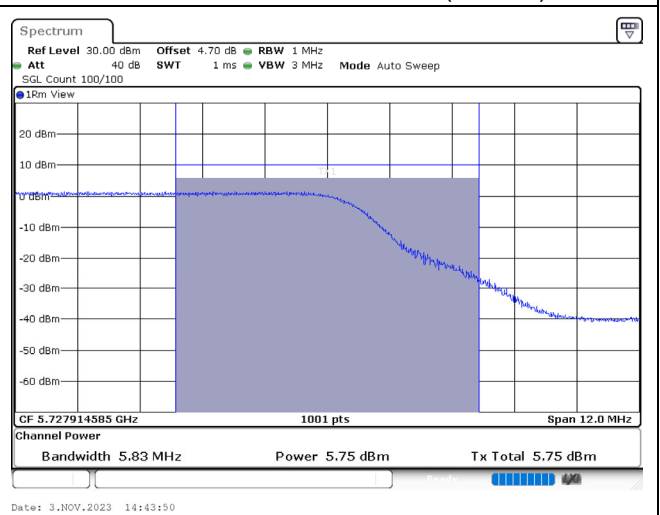
802.11a / Ant. 0 / 5720 MHz (U-NII-3)



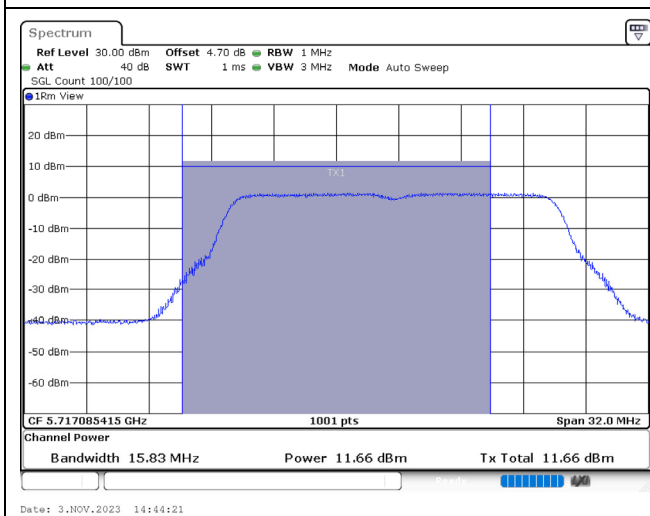
802.11a / Ant. 1 / 5720 MHz (U-NII-2C)



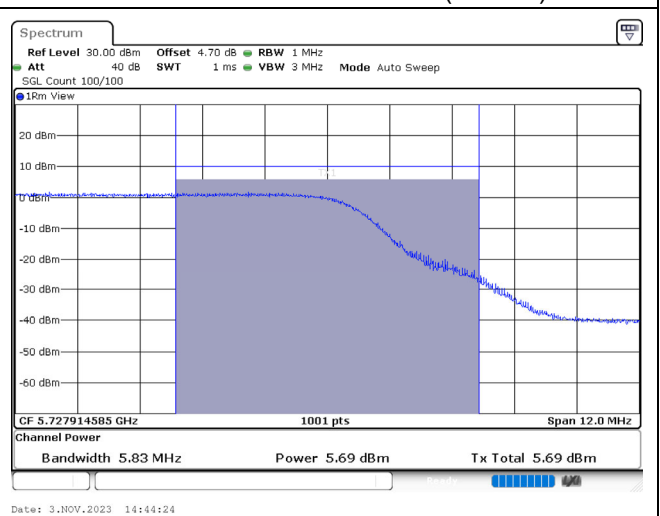
802.11a / Ant. 1 / 5720 MHz (U-NII-3)



802.11a / Ant. 2 / 5720 MHz (U-NII-2C)



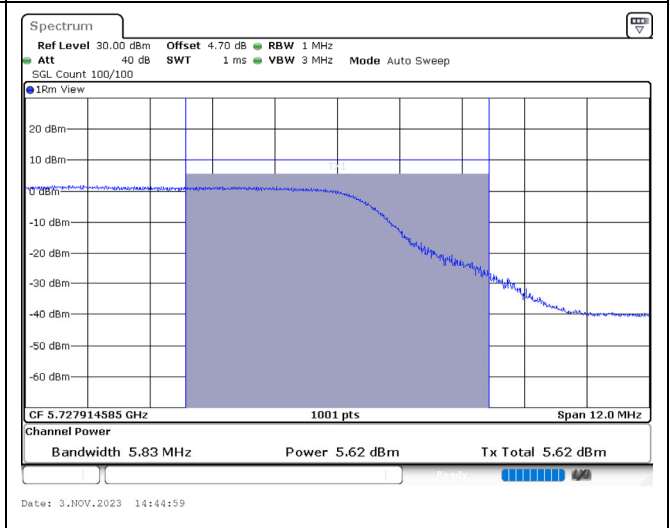
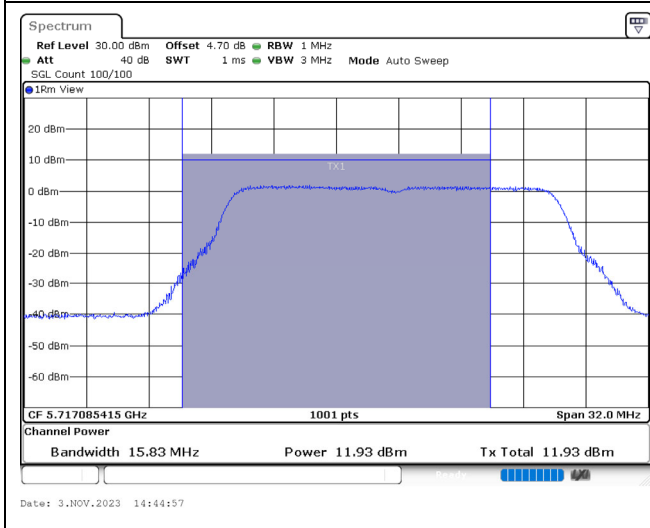
802.11a / Ant. 2 / 5720 MHz (U-NII-3)



### Spectrum plot value of power

802.11a / Ant. 3 / 5720 MHz (U-NII-2C)

802.11a / Ant. 3 / 5720 MHz (U-NII-3)

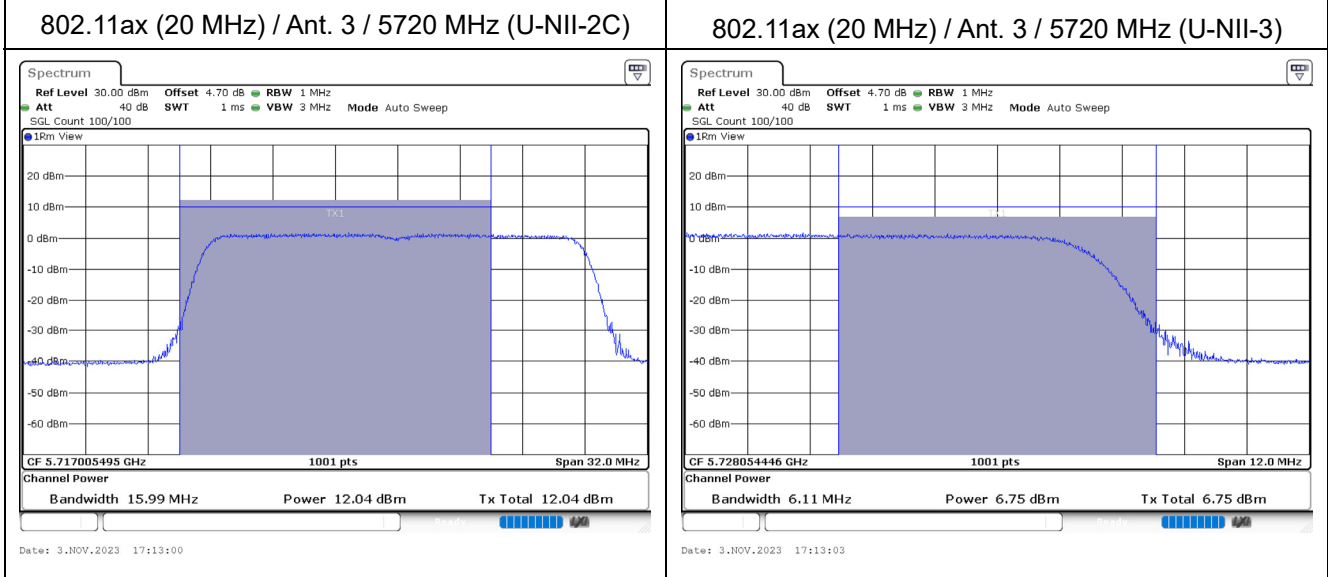




### Spectrum plot value of power

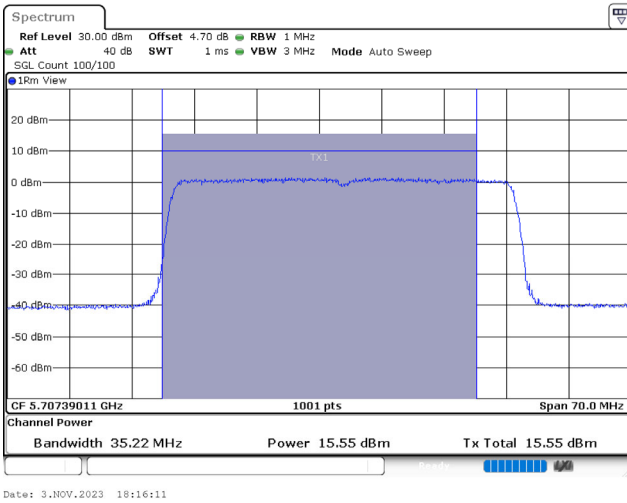


### Spectrum plot value of power

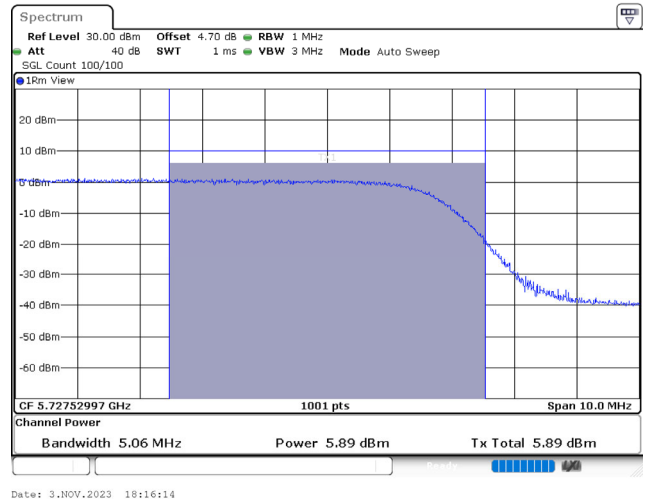


### Spectrum plot value of power

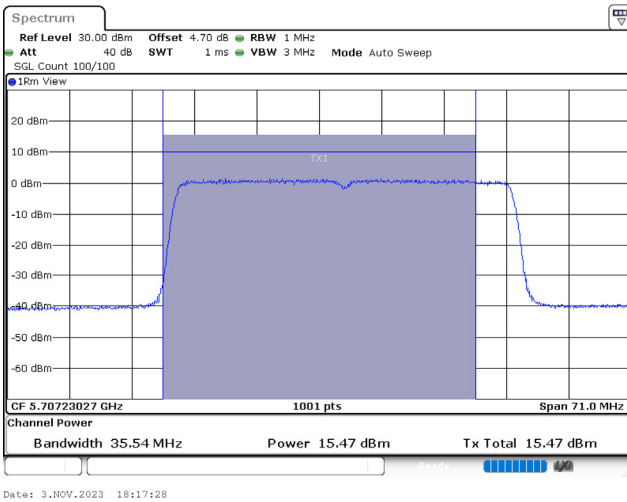
802.11ax (40 MHz) / Ant. 0 / 5710 MHz (U-NII-2C)



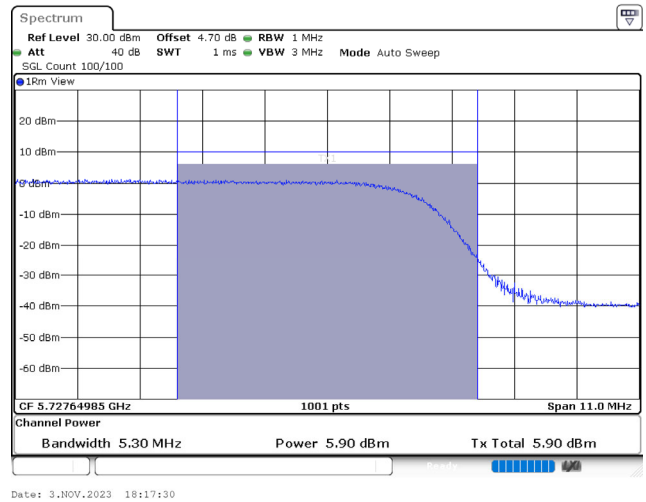
802.11ax (40 MHz) / Ant. 0 / 5710 MHz (U-NII-3)



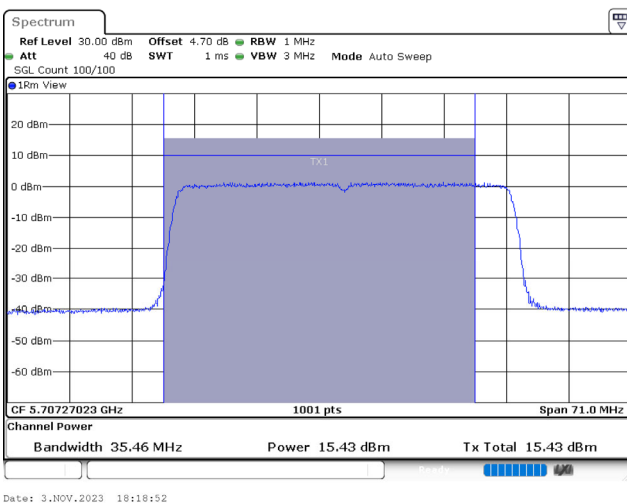
802.11ax (40 MHz) / Ant. 1 / 5710 MHz (U-NII-2C)



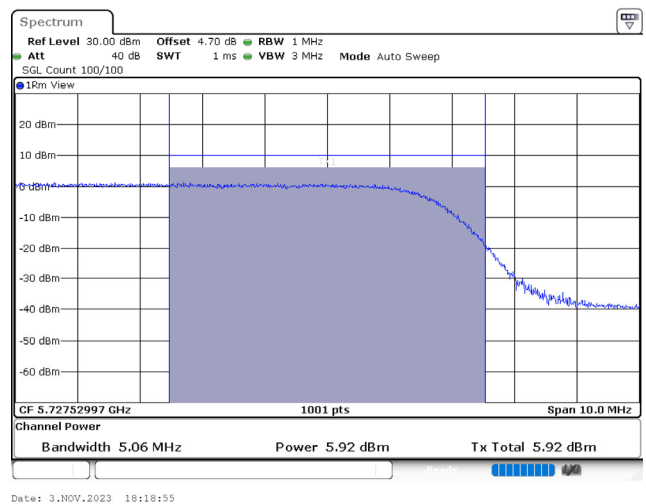
802.11ax (40 MHz) / Ant. 1 / 5710 MHz (U-NII-3)



802.11ax (40 MHz) / Ant. 2 / 5710 MHz (U-NII-2C)



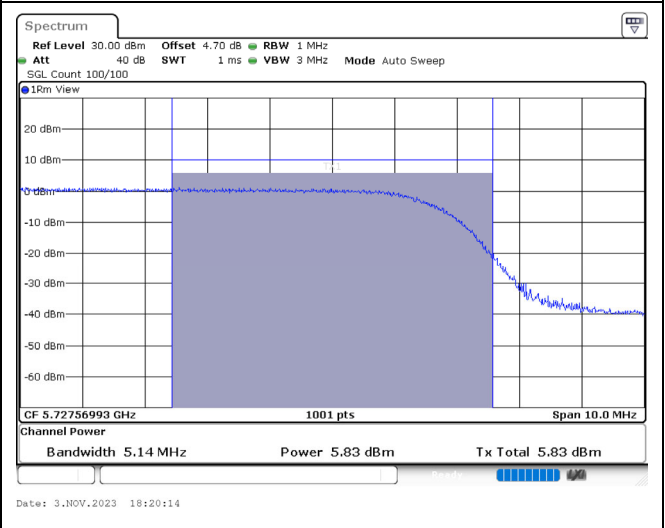
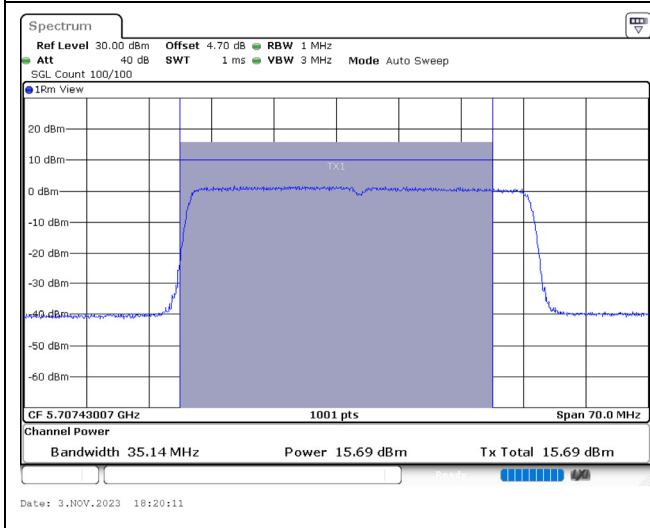
802.11ax (40 MHz) / Ant. 2 / 5710 MHz (U-NII-3)



### Spectrum plot value of power

802.11ax (40 MHz) / Ant. 3 / 5710 MHz (U-NII-2C)

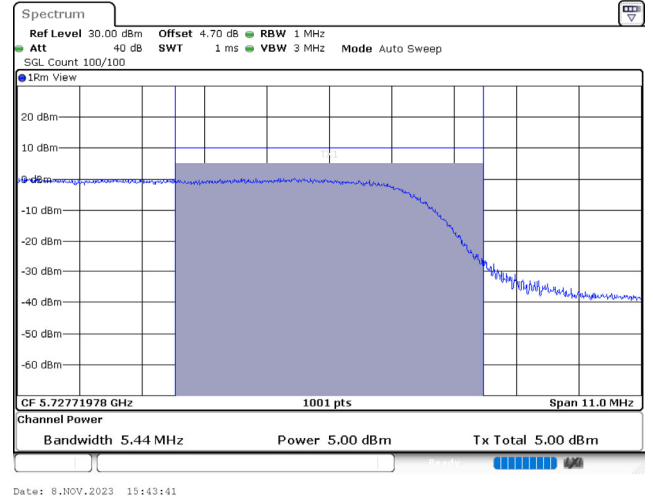
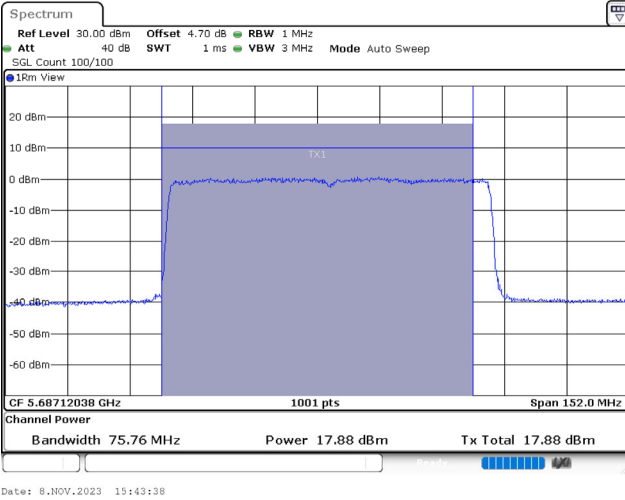
802.11ax (40 MHz) / Ant. 3 / 5710 MHz (U-NII-3)



### Spectrum plot value of power

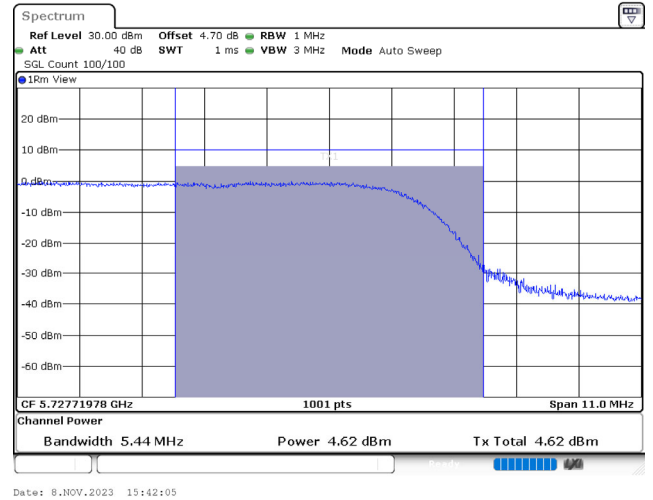
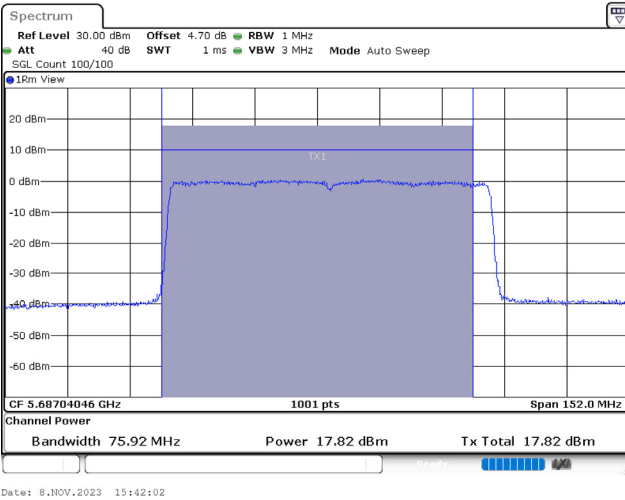
802.11ax (80 MHz) / Ant. 0 / 5690 MHz (U-NII-2C)

802.11ax (80 MHz) / Ant. 0 / 5690 MHz (U-NII-3)



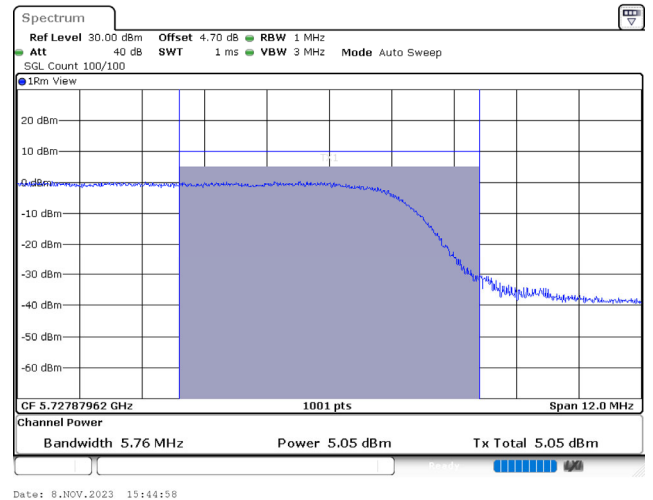
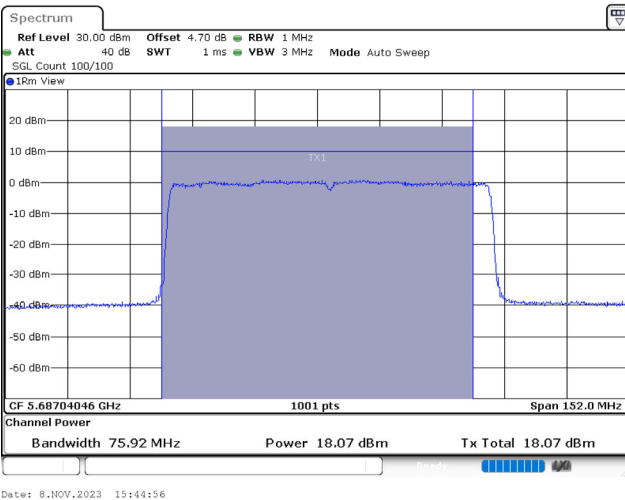
802.11ax (80 MHz) / Ant. 1 / 5690 MHz (U-NII-2C)

802.11ax (80 MHz) / Ant. 1 / 5690 MHz (U-NII-3)



802.11ax (80 MHz) / Ant. 2 / 5690 MHz (U-NII-2C)

802.11ax (80 MHz) / Ant. 2 / 5690 MHz (U-NII-3)



### Spectrum plot value of power

802.11ax (80 MHz) / Ant. 3 / 5690 MHz (U-NII-2C)

802.11ax (80 MHz) / Ant. 3 / 5690 MHz (U-NII-3)

