

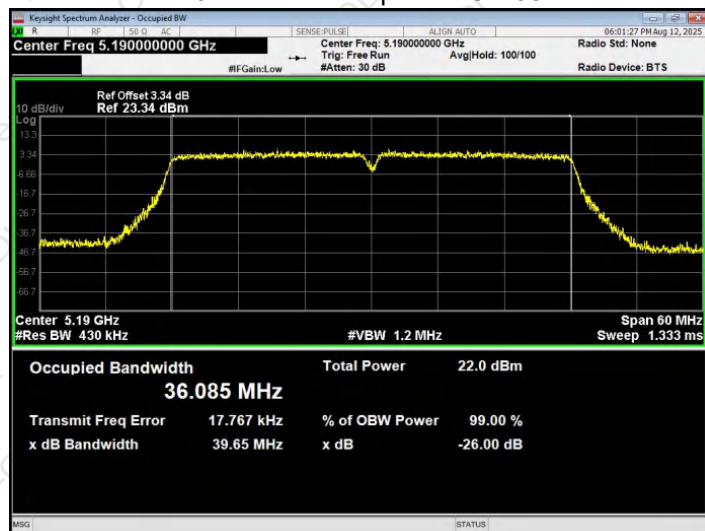
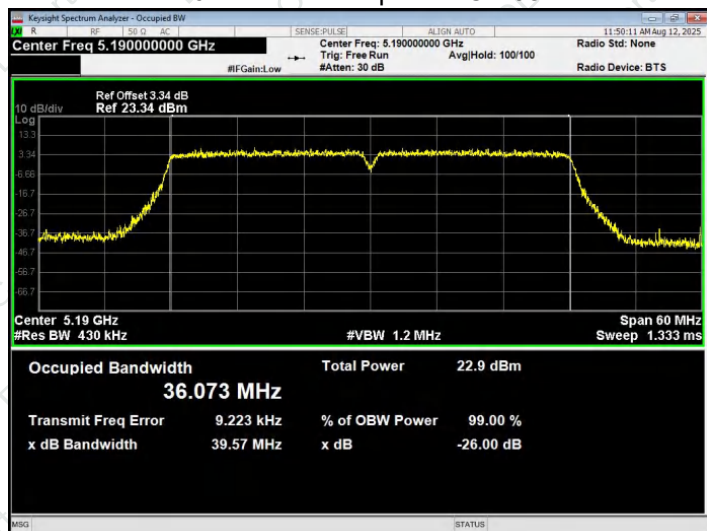


SISO ANT A - 802.11ac40

SISO ANT B - 802.11ac40

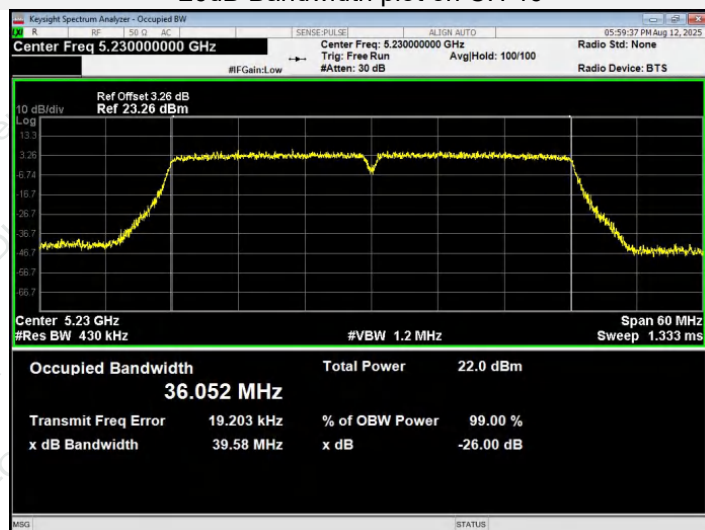
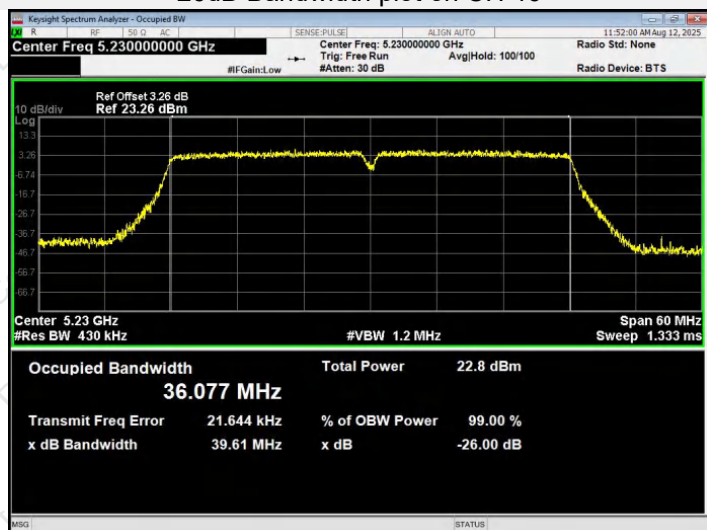
26dB Bandwidth plot on CH 38

26dB Bandwidth plot on CH 38



26dB Bandwidth plot on CH 46

26dB Bandwidth plot on CH 46

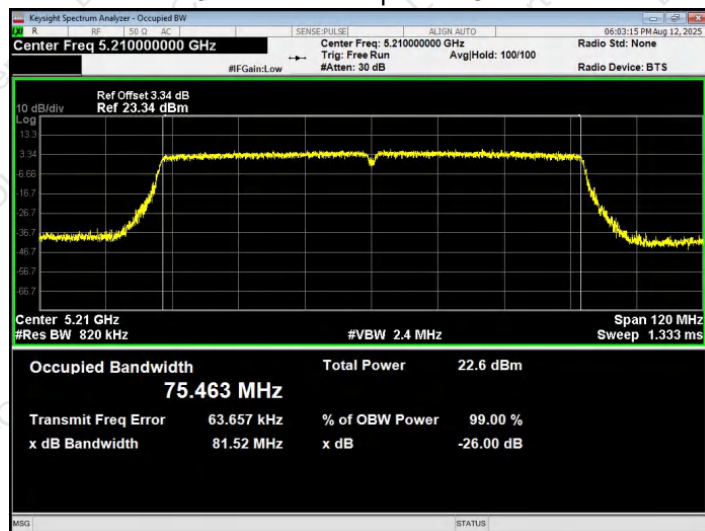
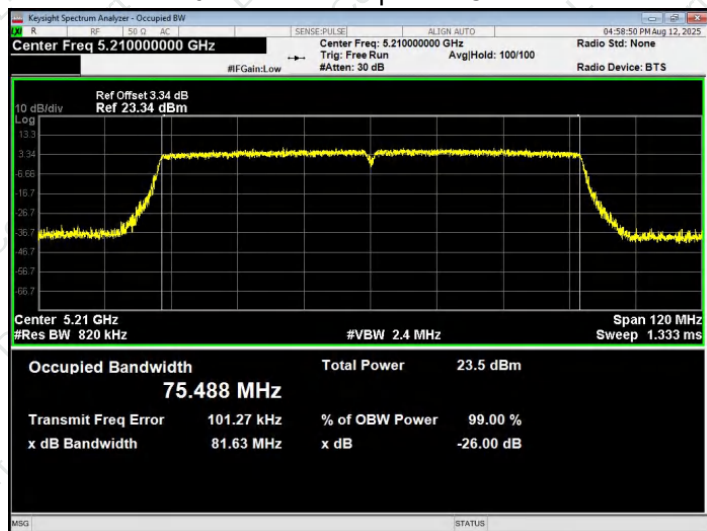


SISO ANT A - 802.11ac80

SISO ANT B - 802.11ac80

26dB Bandwidth plot on CH 42

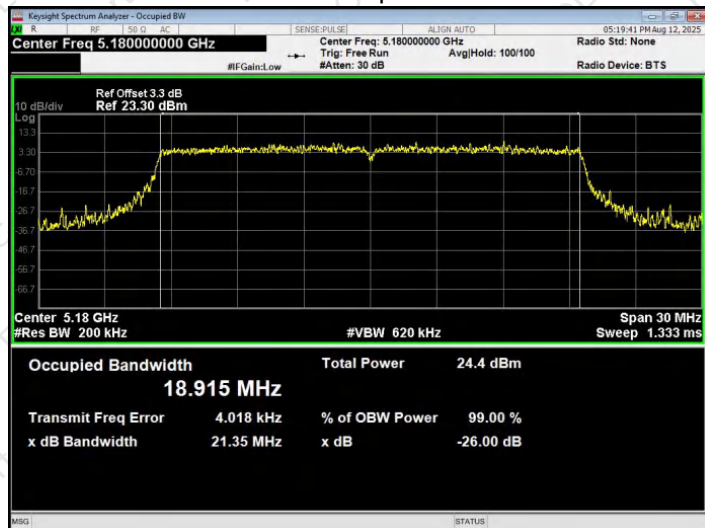
26dB Bandwidth plot on CH 42





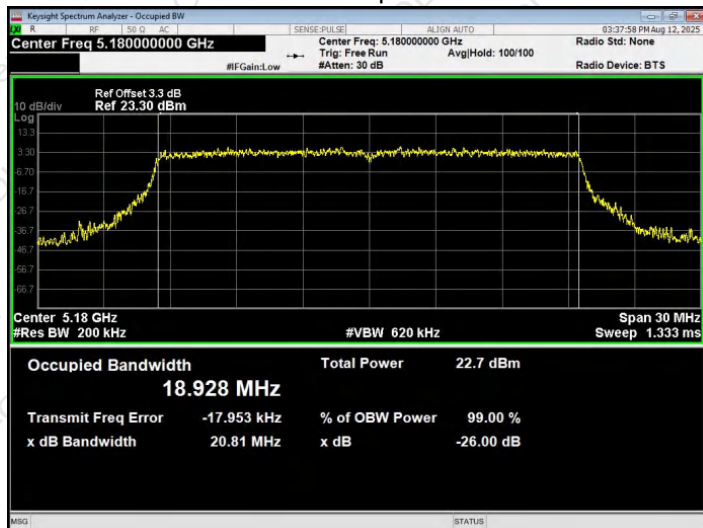
SISO ANT A - 802.11ax20

26dB Bandwidth plot on CH 36

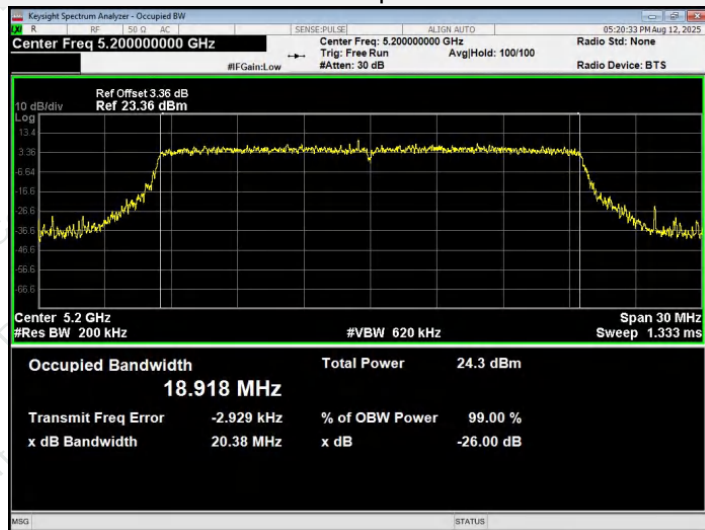


SISO ANT B - 802.11ax20

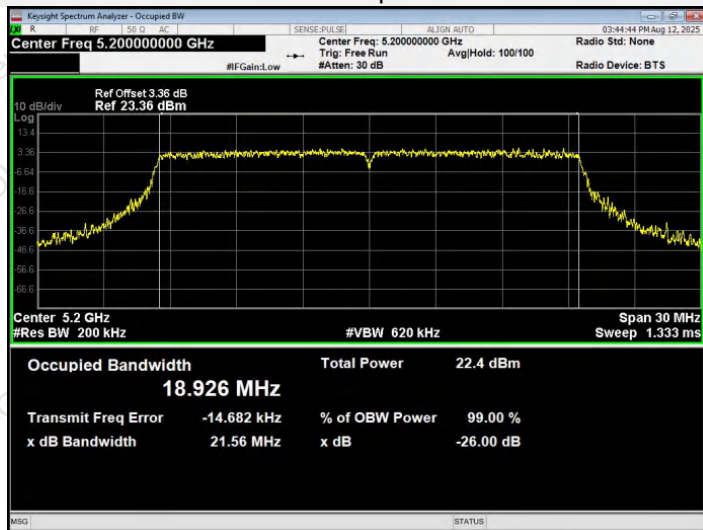
26dB Bandwidth plot on CH 36



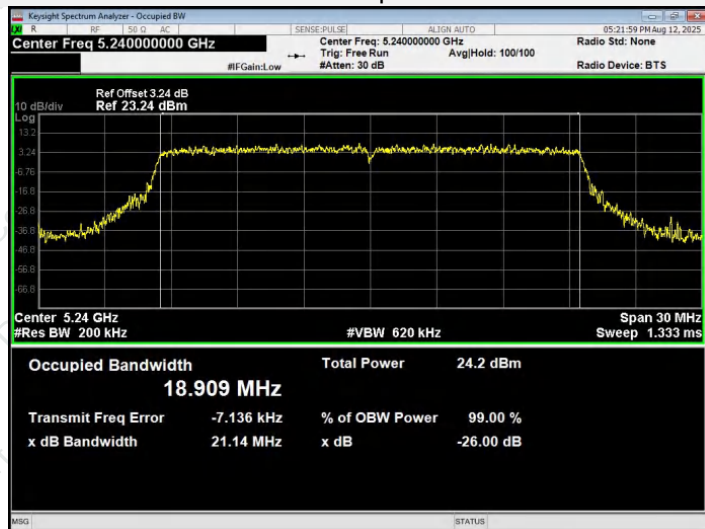
26dB Bandwidth plot on CH 40



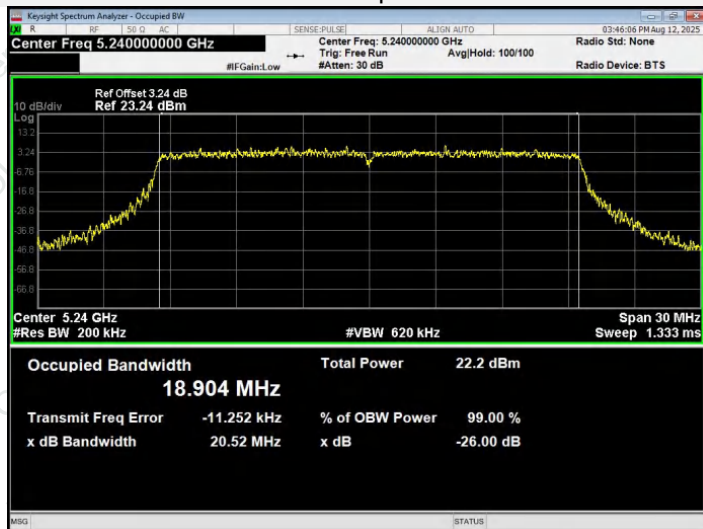
26dB Bandwidth plot on CH 40



26dB Bandwidth plot on CH 48



26dB Bandwidth plot on CH 48

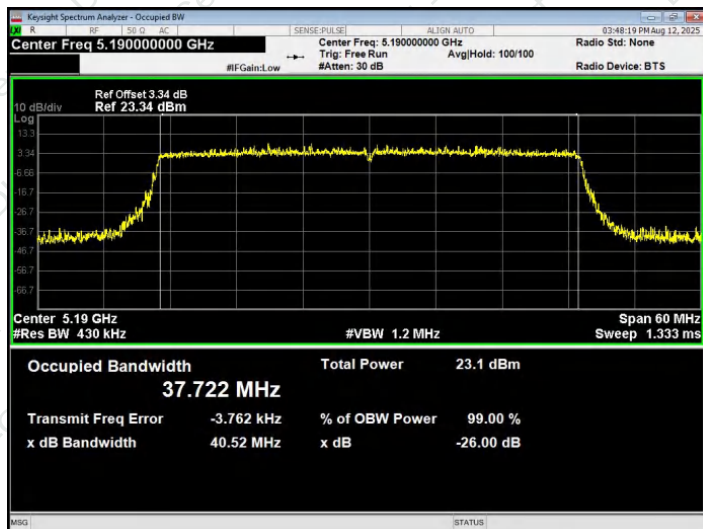




SISO ANT A - 802.11ax40
26dB Bandwidth plot on CH 38



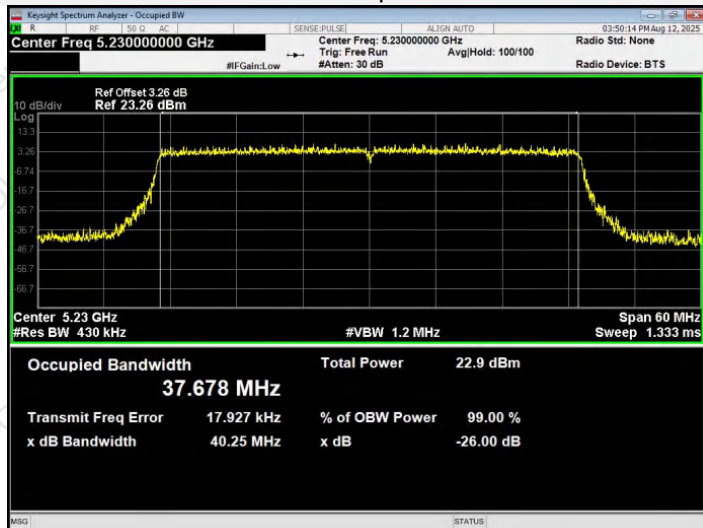
SISO ANT B - 802.11ax40
26dB Bandwidth plot on CH 38



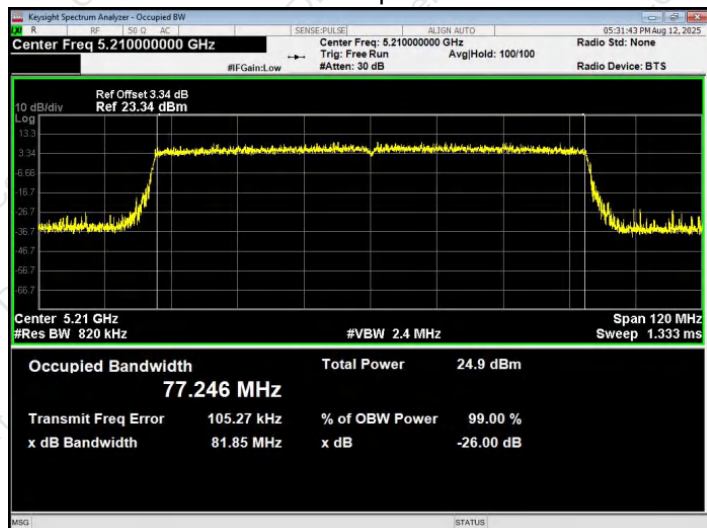
26dB Bandwidth plot on CH 46



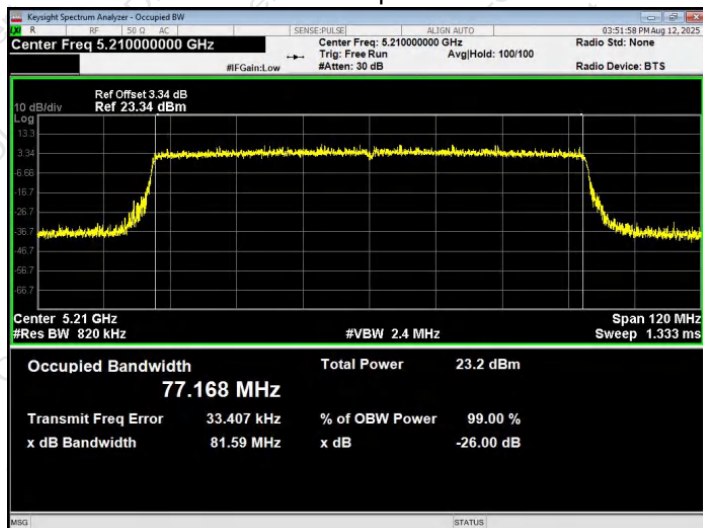
26dB Bandwidth plot on CH 46



SISO ANT A - 802.11ax80
26dB Bandwidth plot on CH 42



SISO ANT B - 802.11ax80
26dB Bandwidth plot on CH 42





Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 3.85V
Test Band :	5.8G		

Test Mode	Antenna	Frequency (MHz)	6dB Bandwidth (MHz)	26dB Bandwidth (MHz)	6dB Limit (kHz)	Result
802.11a	SISO ANT A	5745	16.38	19.00	>500	Pass
		5785	16.33	18.90		
		5825	16.38	19.19		
	SISO ANT B	5745	16.38	19.13	>500	Pass
		5785	16.40	18.76		
		5825	16.41	18.98		
802.11n20	SISO ANT A	5745	17.55	19.76	>500	Pass
		5785	16.90	19.84		
		5825	17.59	19.84		
	SISO ANT B	5745	17.54	20.02	>500	Pass
		5785	17.27	20.14		
		5825	17.57	20.08		
802.11n40	SISO ANT A	5755	35.71	39.48	>500	Pass
		5795	36.03	39.28		
	SISO ANT B	5755	36.04	39.61	>500	Pass
		5795	35.46	39.39		
802.11ac20	SISO ANT A	5745	17.27	19.96	>500	Pass
		5785	17.56	19.97		
		5825	17.17	20.15		
	SISO ANT B	5745	17.21	20.02	>500	Pass
		5785	17.55	20.00		
		5825	17.57	20.12		
802.11ac40	SISO ANT A	5755	35.94	39.33	>500	Pass
		5795	36.28	39.55		
	SISO ANT B	5755	35.90	39.94	>500	Pass
		5795	36.00	39.64		
802.11ac80	SISO ANT A	5755	75.05	81.14	>500	Pass
	SISO ANT B	5755	74.99	81.25	>500	Pass



Shenzhen DL Testing Technology Co., Ltd.

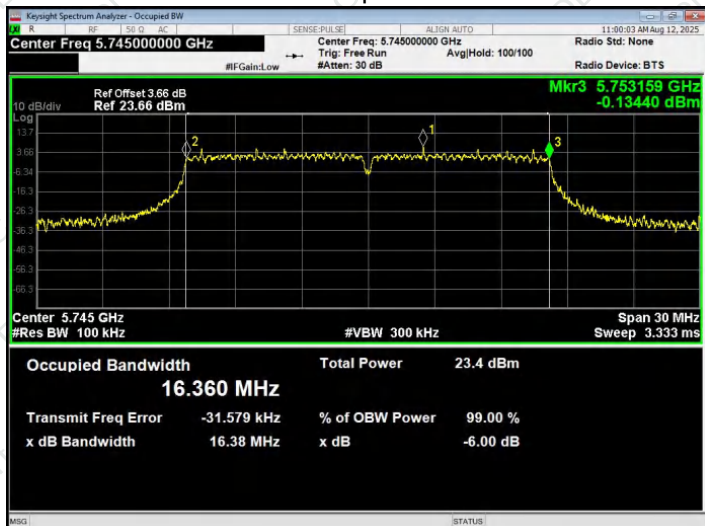
Report No.: DLE-250814004R

802.11ax20	SISO ANT A	5745	17.53	19.95	>500	Pass
		5785	18.66	21.03		
		5825	18.34	20.66		
	SISO ANT B	5745	18.59	20.86	>500	Pass
		5785	18.51	20.85		
		5825	18.78	21.06		
802.11ax40	SISO ANT A	5755	37.92	40.82	>500	Pass
		5795	37.14	40.06		
	SISO ANT B	5755	37.57	40.26	>500	Pass
		5795	37.61	39.92		
802.11ax80	SISO ANT A	5755	76.90	81.39	>500	Pass
	SISO ANT B	5755	76.43	81.83	>500	Pass

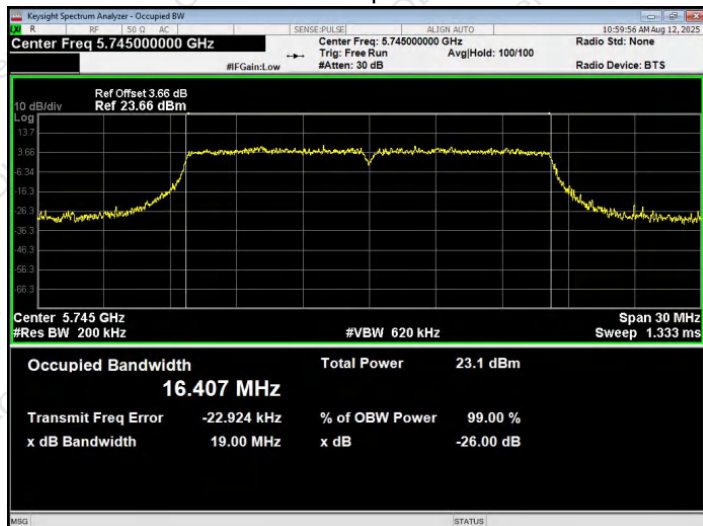


SISO ANT A - 802.11a

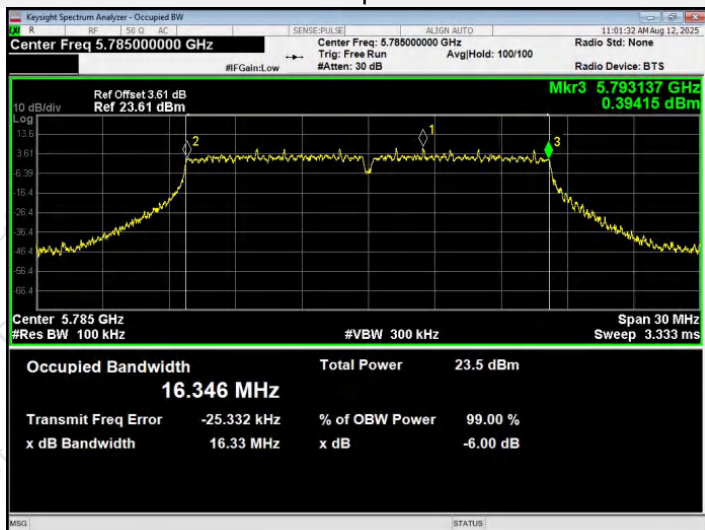
6dB Bandwidth plot on CH 149



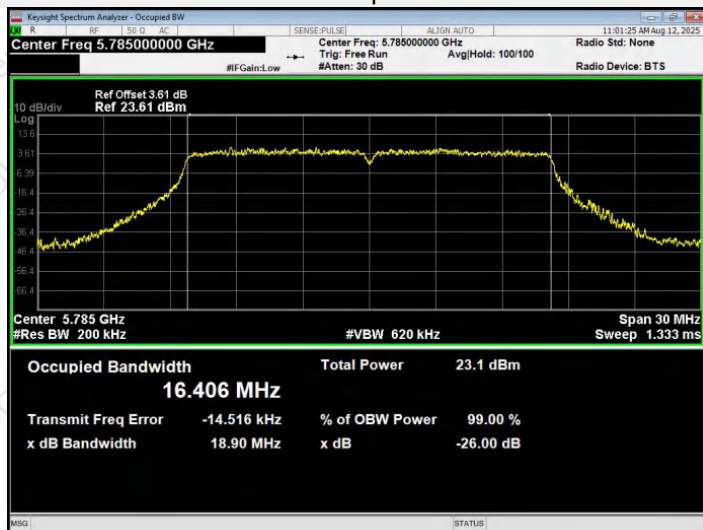
26dB Bandwidth plot on CH 149



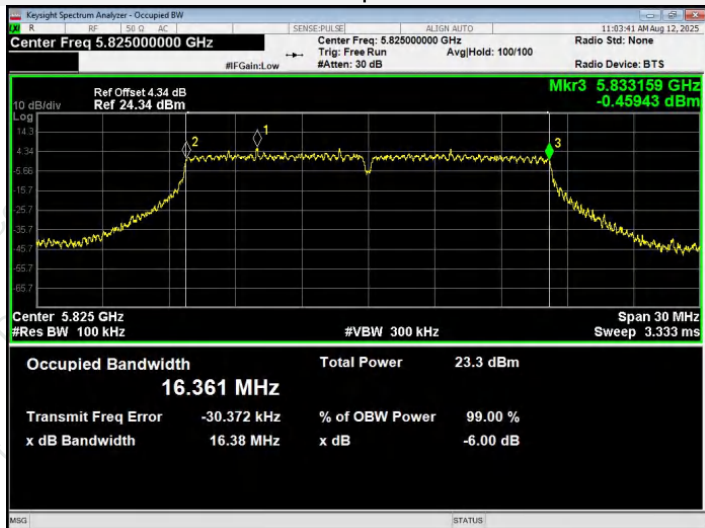
6dB Bandwidth plot on CH 157



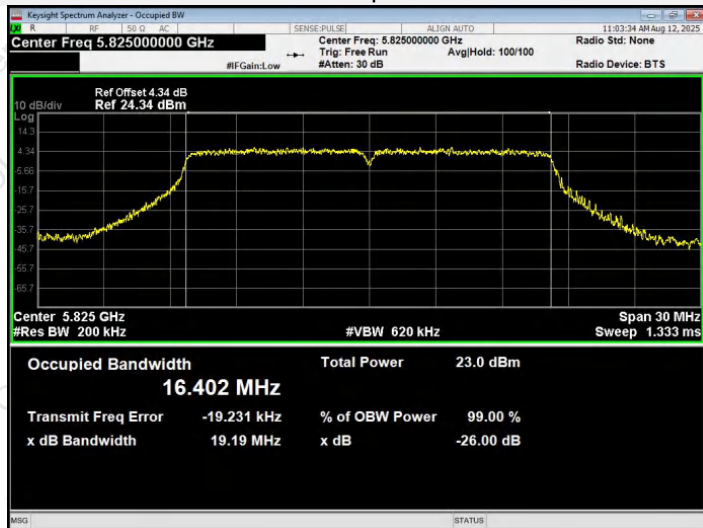
26dB Bandwidth plot on CH 157



6dB Bandwidth plot on CH 165



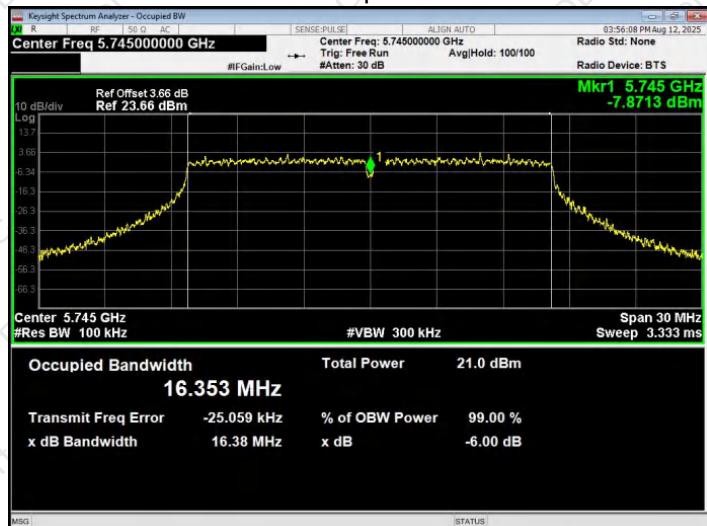
26dB Bandwidth plot on CH 165



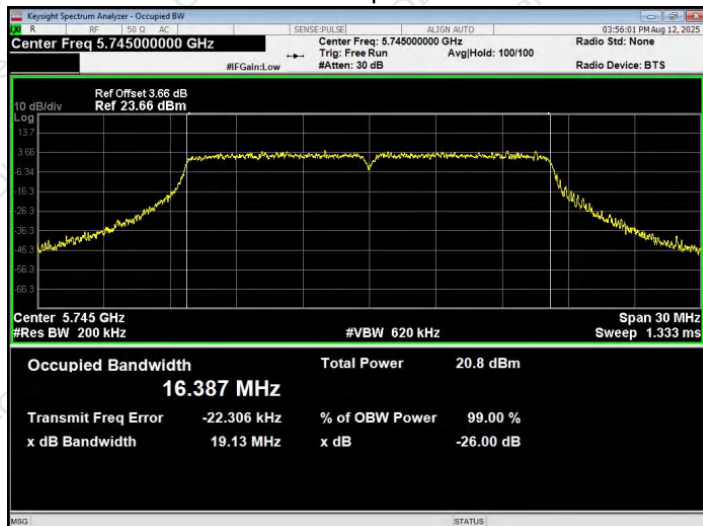


SISO ANT B - 802.11a

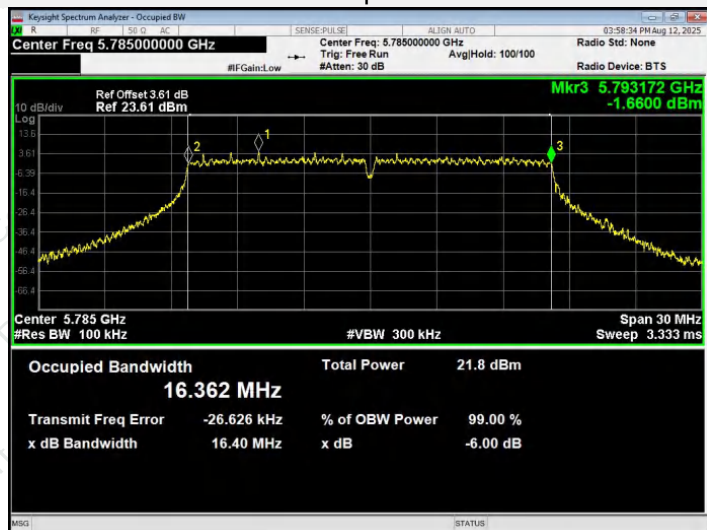
6dB Bandwidth plot on CH 149



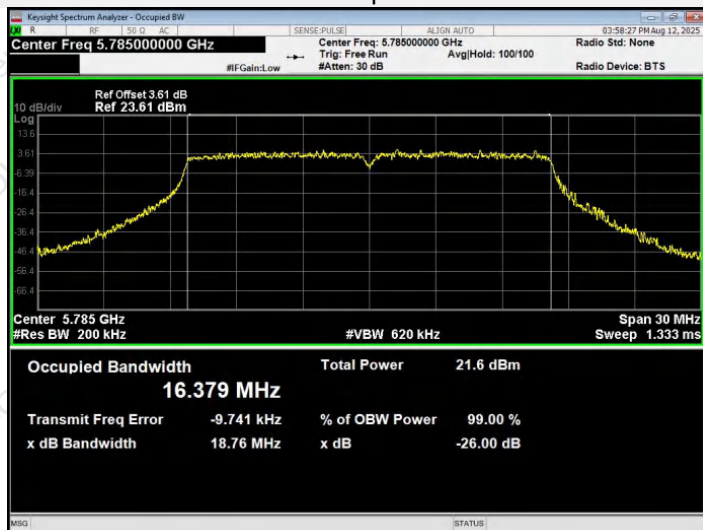
26dB Bandwidth plot on CH 149



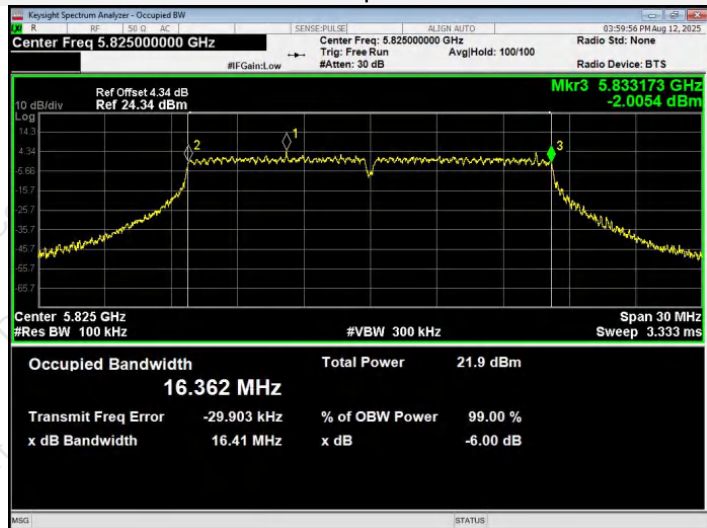
6dB Bandwidth plot on CH 157



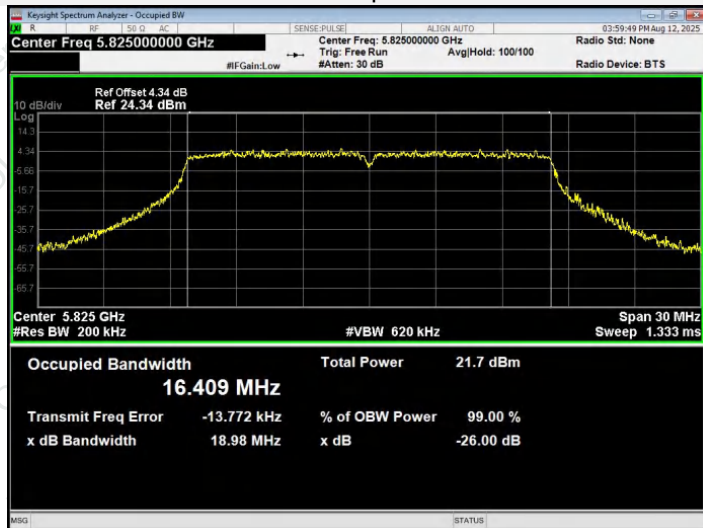
26dB Bandwidth plot on CH 157



6dB Bandwidth plot on CH 165



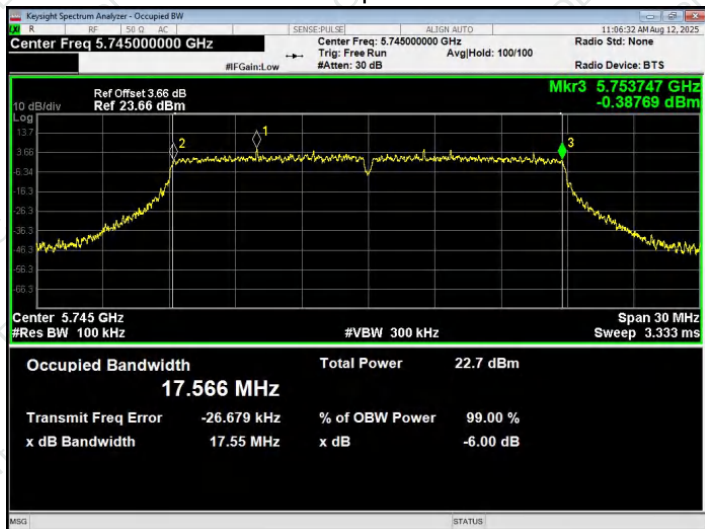
26dB Bandwidth plot on CH 165



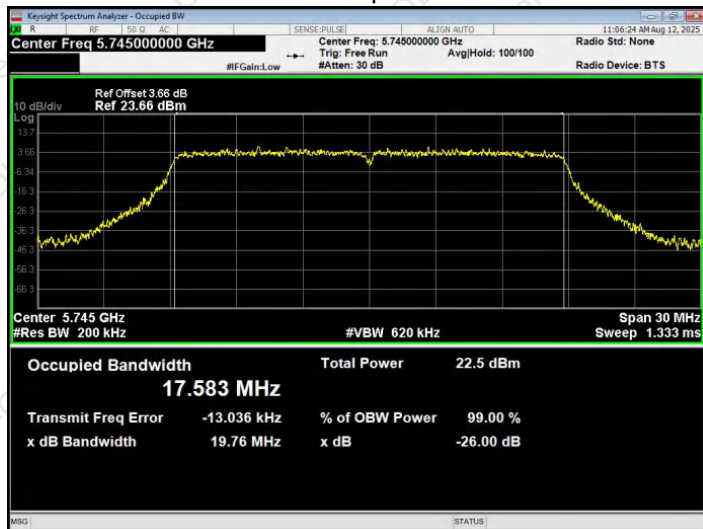


SISO ANT A - 802.11n20

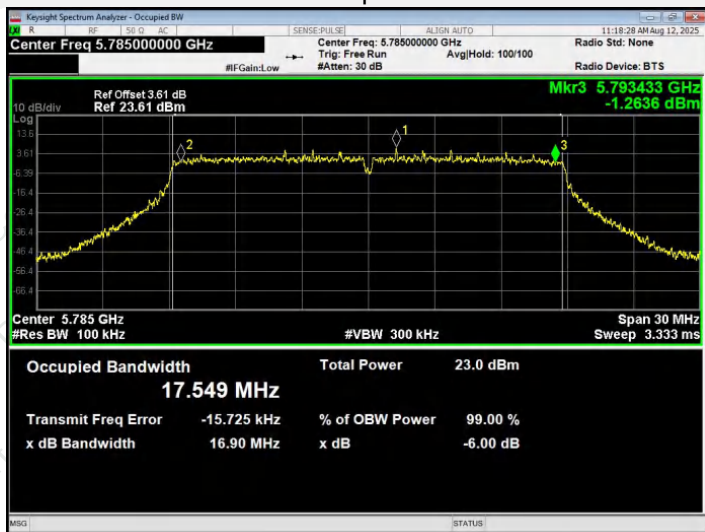
6dB Bandwidth plot on CH 149



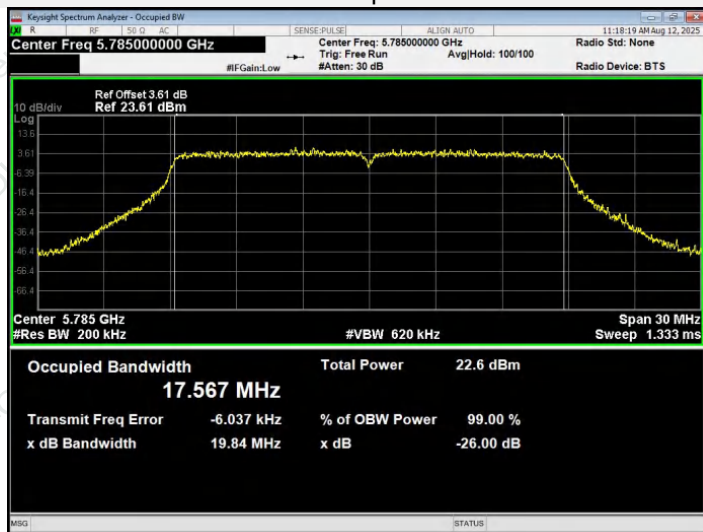
26dB Bandwidth plot on CH 149



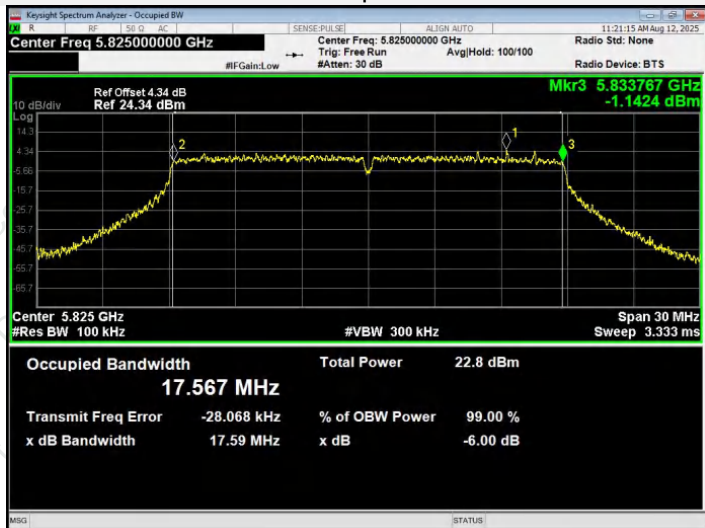
6dB Bandwidth plot on CH 157



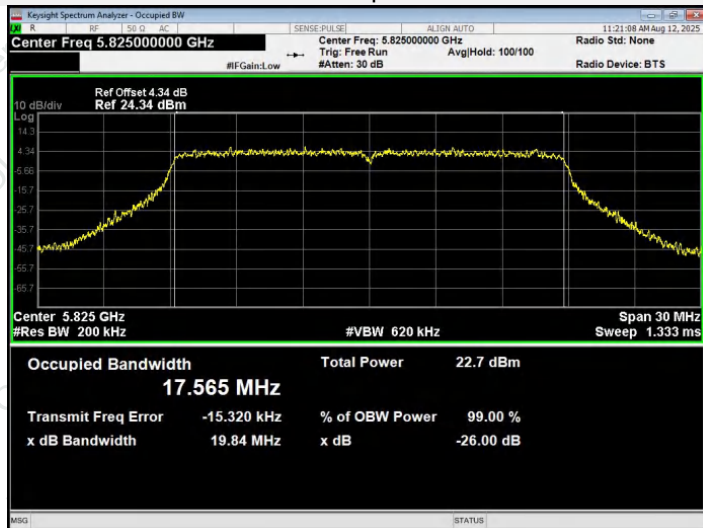
26dB Bandwidth plot on CH 157



6dB Bandwidth plot on CH 165



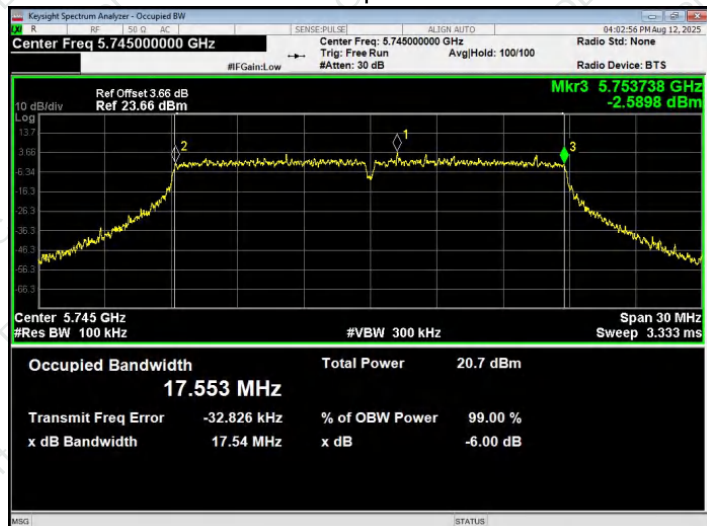
26dB Bandwidth plot on CH 165



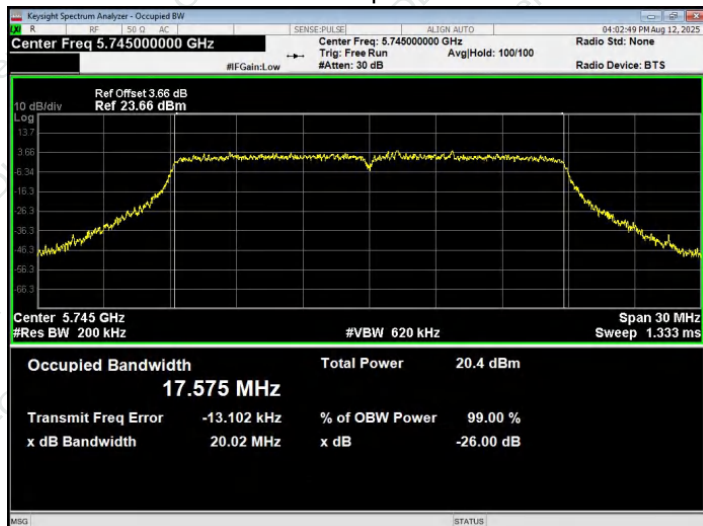


SISO ANT B - 802.11n20

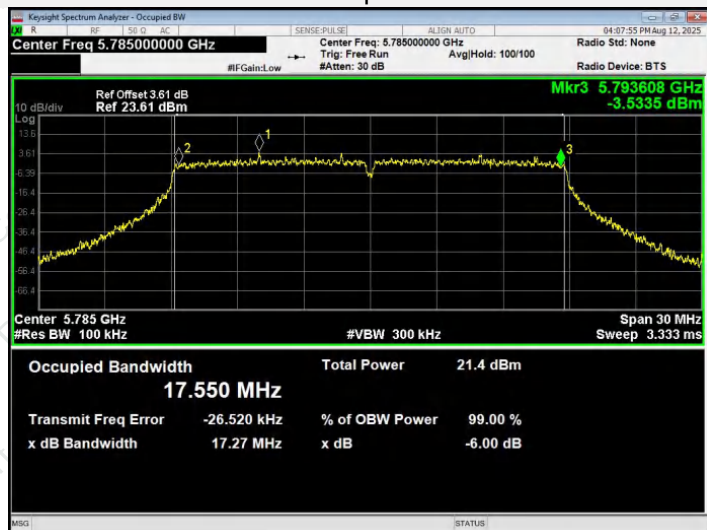
6dB Bandwidth plot on CH 149



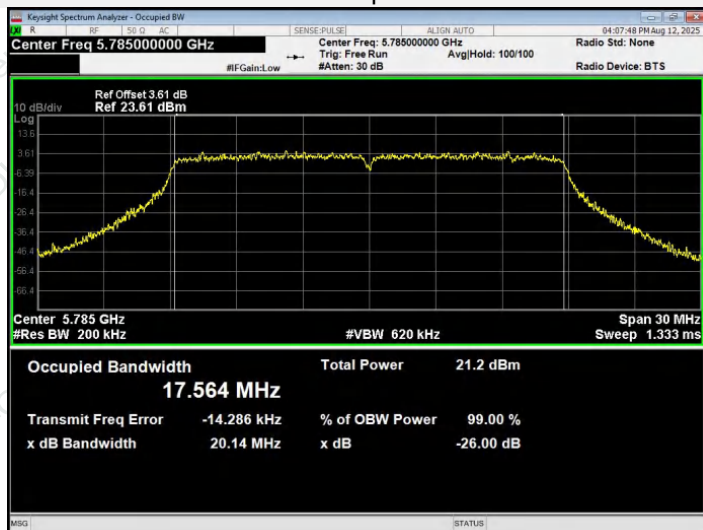
26dB Bandwidth plot on CH 149



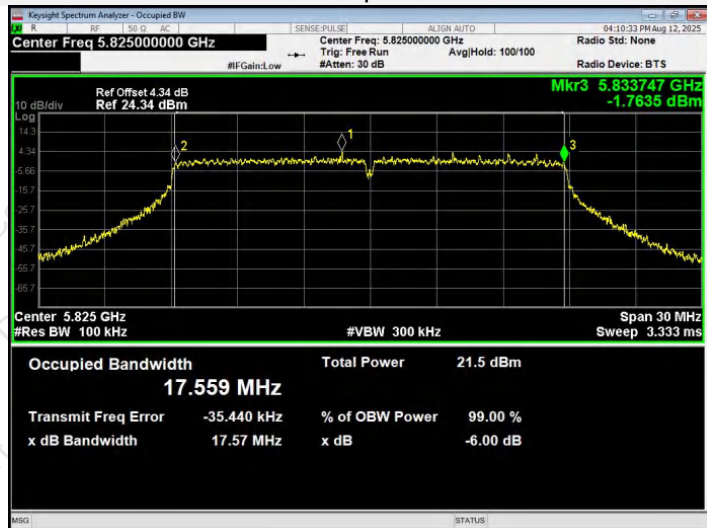
6dB Bandwidth plot on CH 157



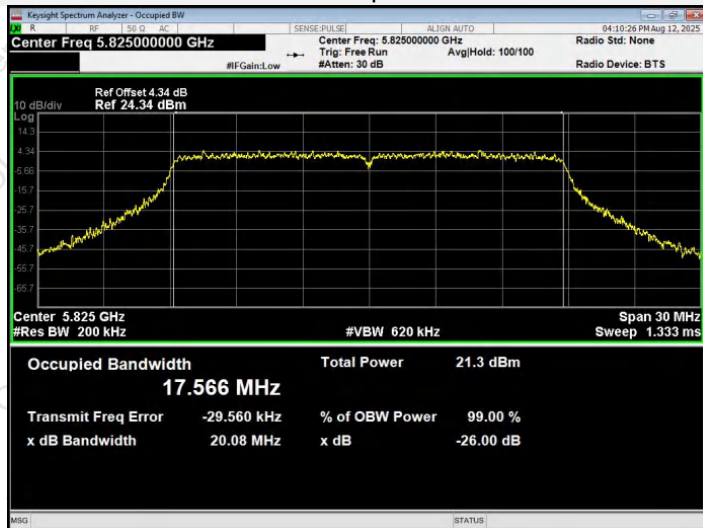
26dB Bandwidth plot on CH 157



6dB Bandwidth plot on CH 165



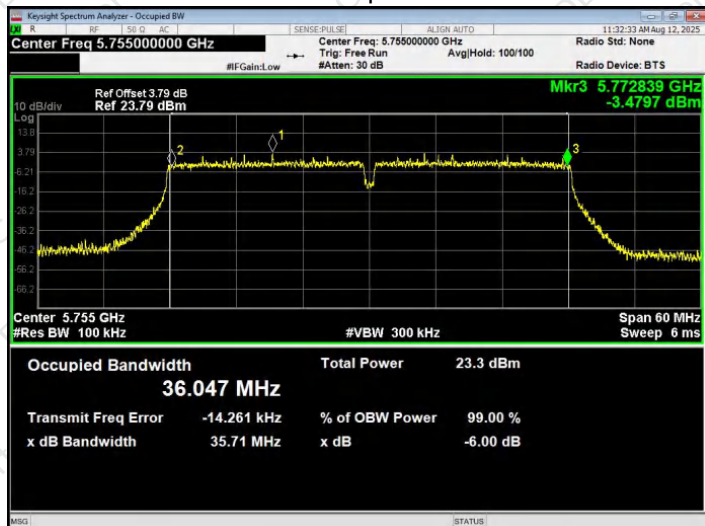
26dB Bandwidth plot on CH 165



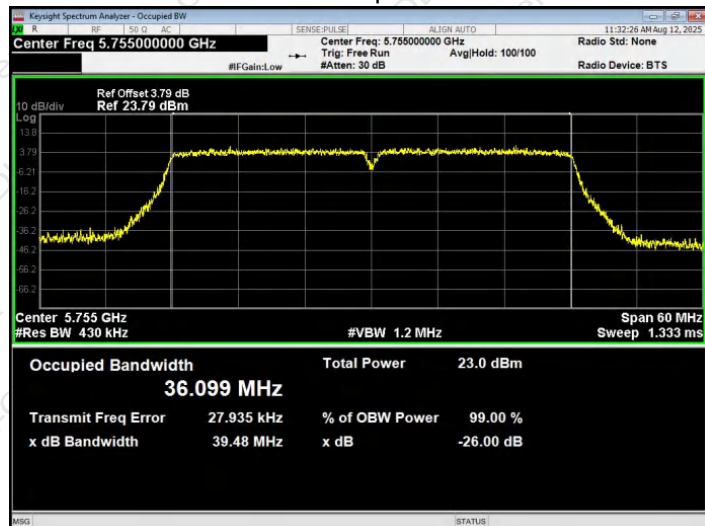


SISO ANT A - 802.11n40

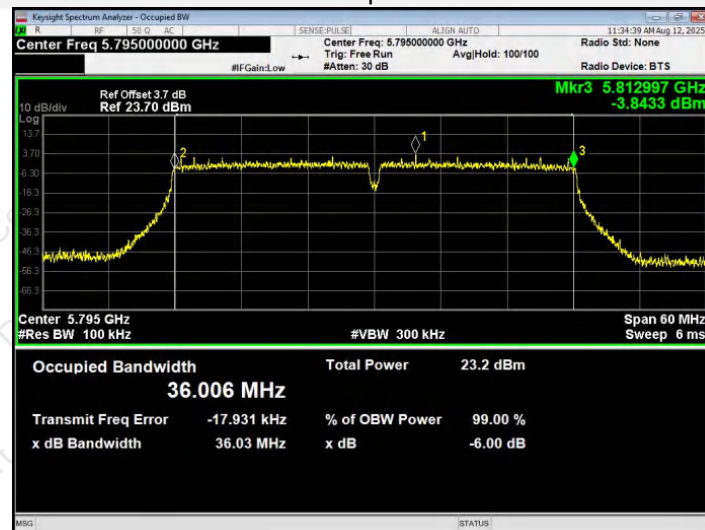
6dB Bandwidth plot on CH 151



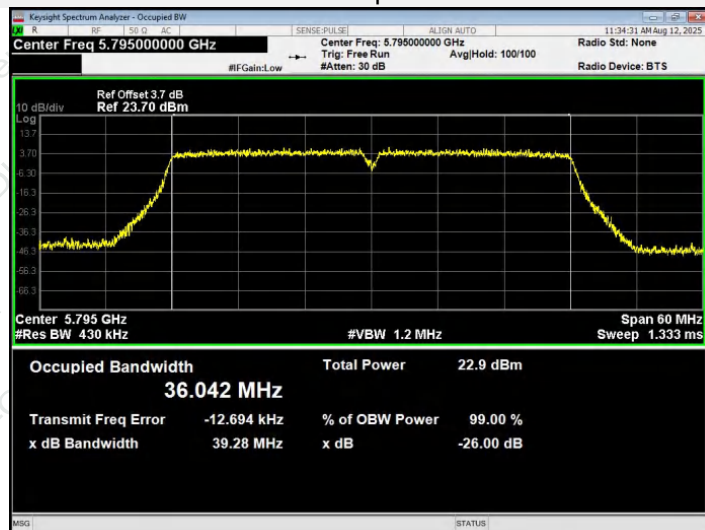
26dB Bandwidth plot on CH 151



6dB Bandwidth plot on CH 159



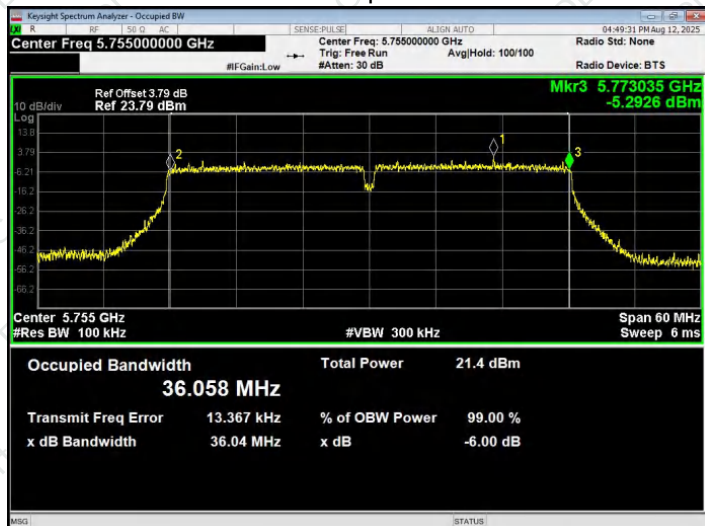
26dB Bandwidth plot on CH 159



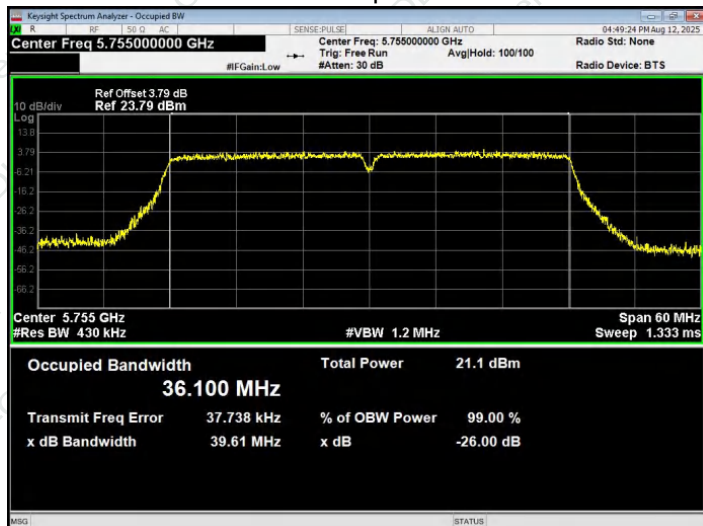


SISO ANT B - 802.11n40

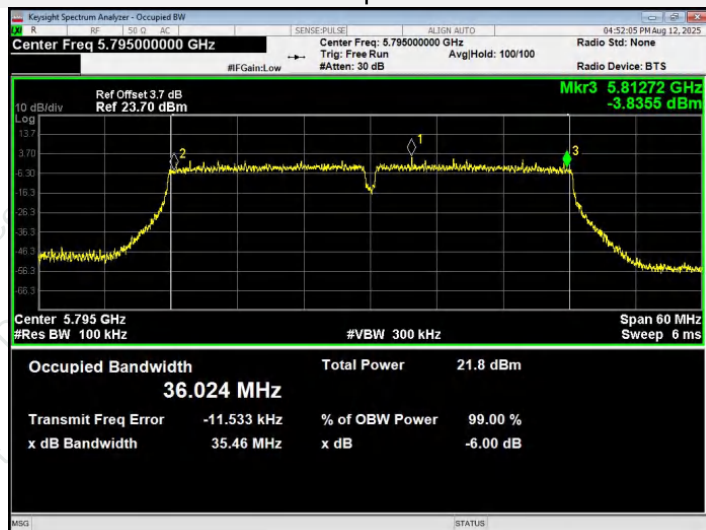
6dB Bandwidth plot on CH 151



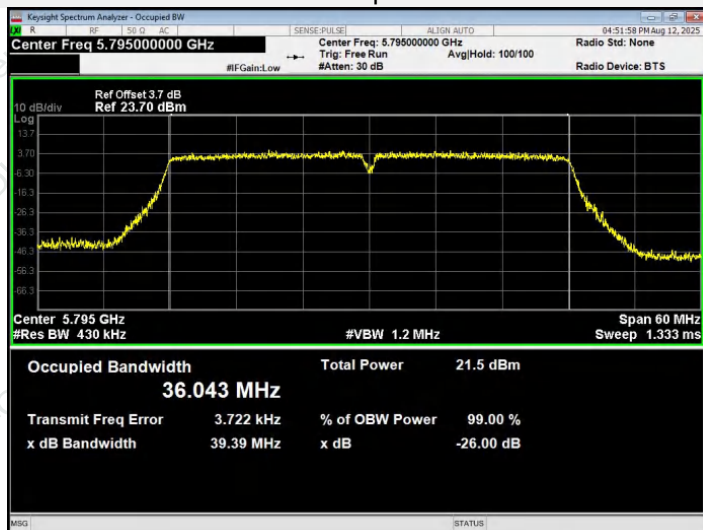
26dB Bandwidth plot on CH 151



6dB Bandwidth plot on CH 159



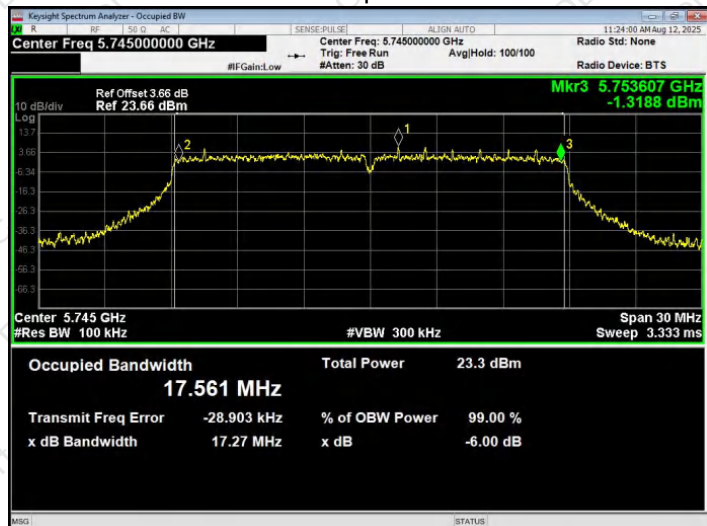
26dB Bandwidth plot on CH 159



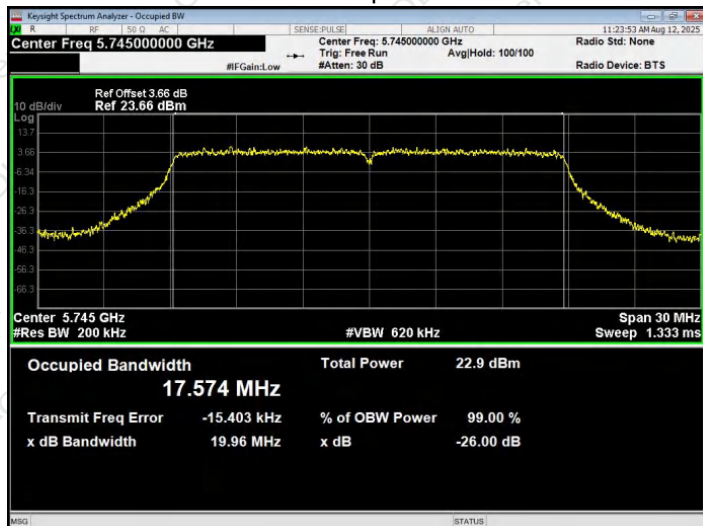


SISO ANT A - 802.11ac20

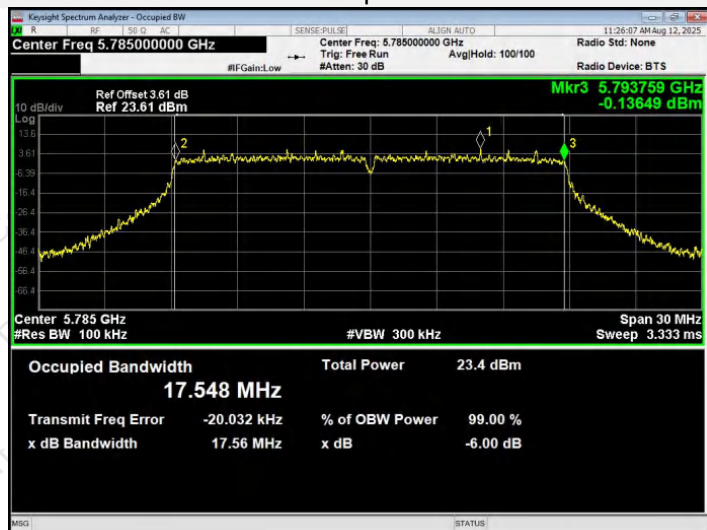
6dB Bandwidth plot on CH 149



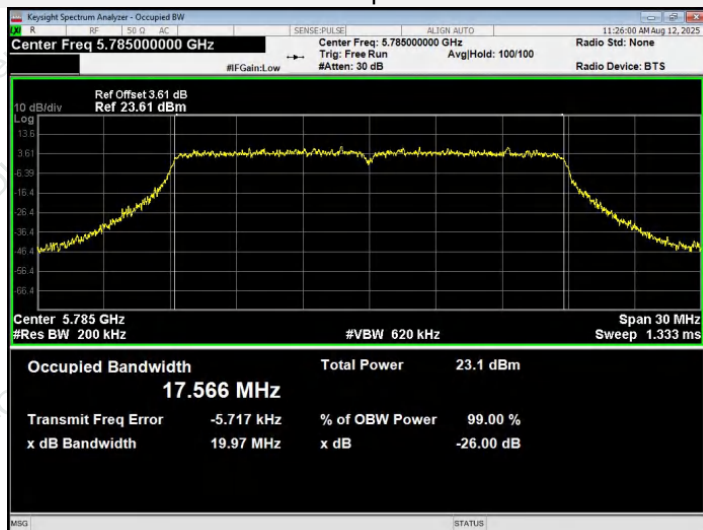
26dB Bandwidth plot on CH 149



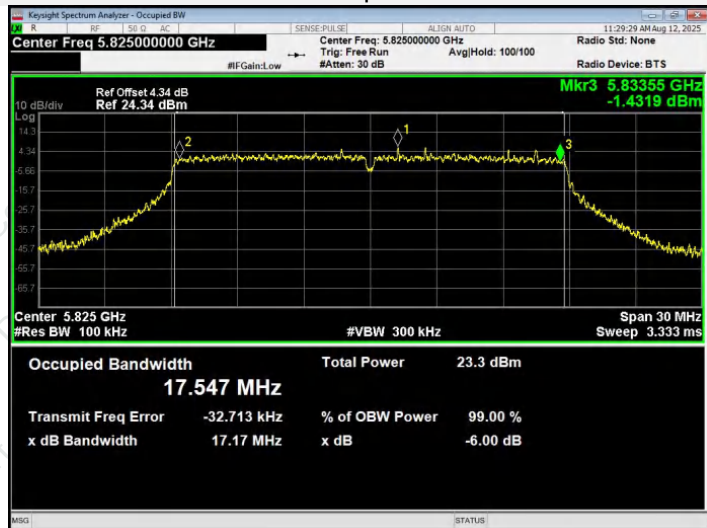
6dB Bandwidth plot on CH 157



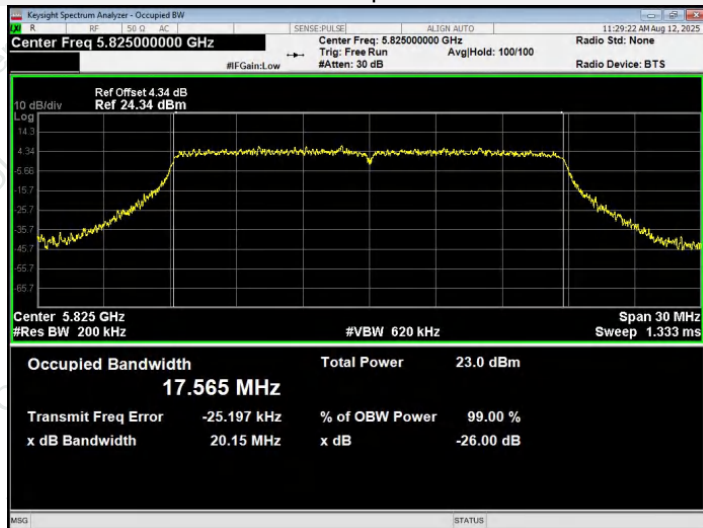
26dB Bandwidth plot on CH 157



6dB Bandwidth plot on CH 165



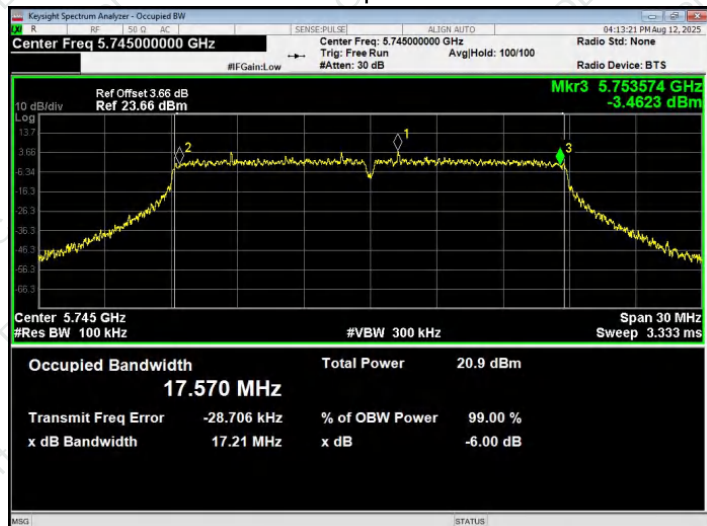
26dB Bandwidth plot on CH 165



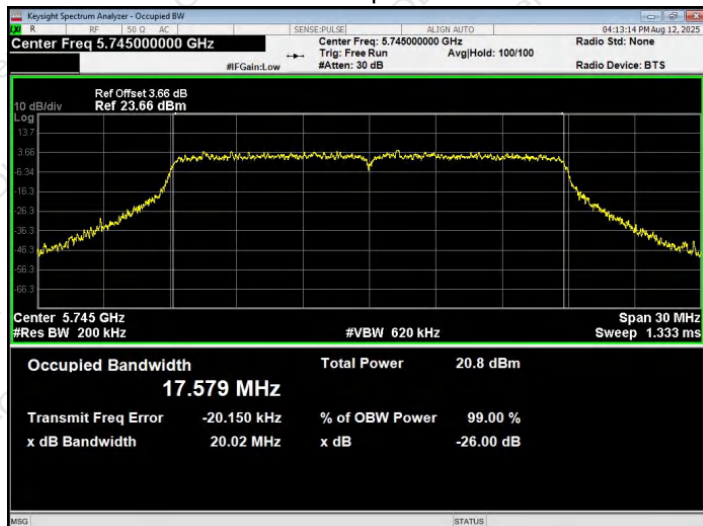


SISO ANT B - 802.11ac20

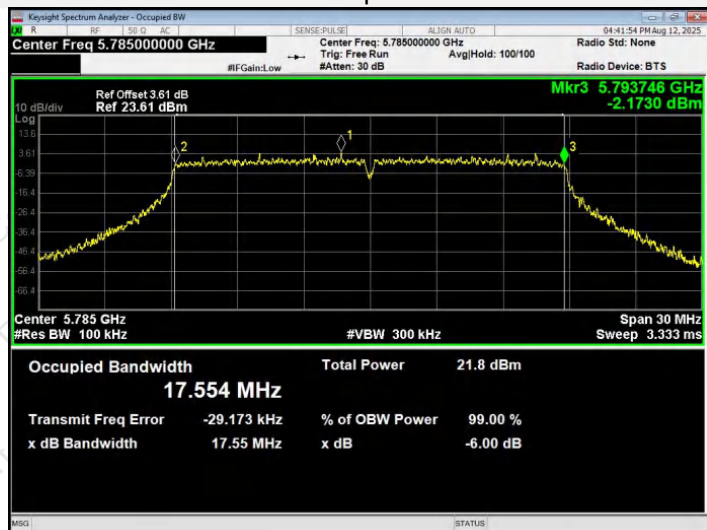
6dB Bandwidth plot on CH 149



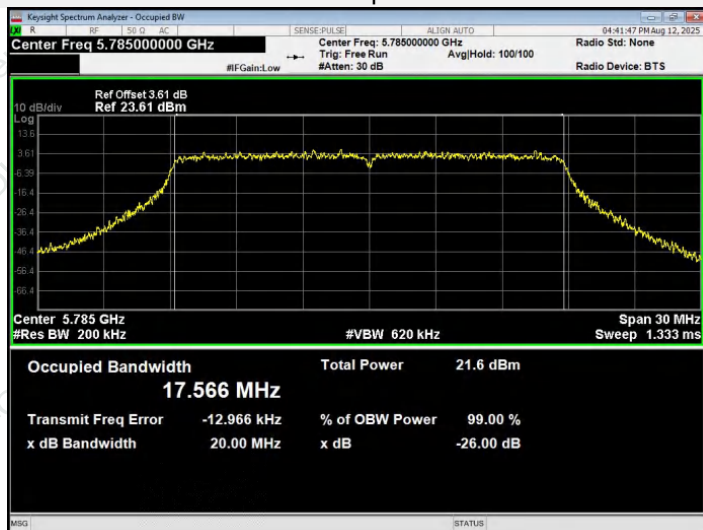
26dB Bandwidth plot on CH 149



6dB Bandwidth plot on CH 157



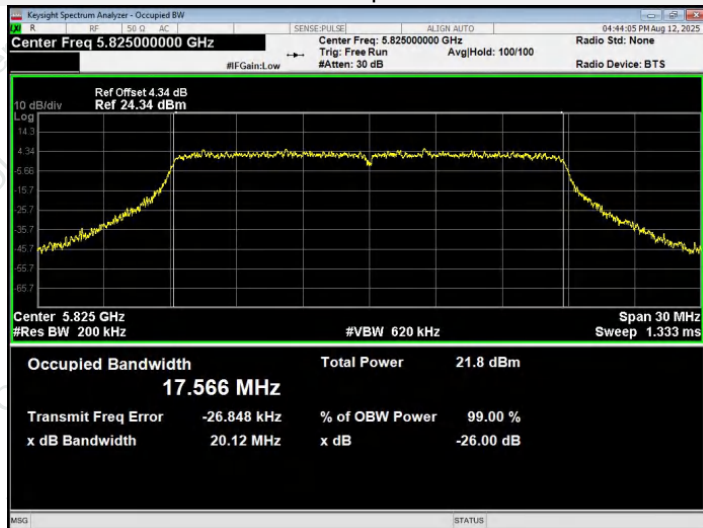
26dB Bandwidth plot on CH 157



6dB Bandwidth plot on CH 165



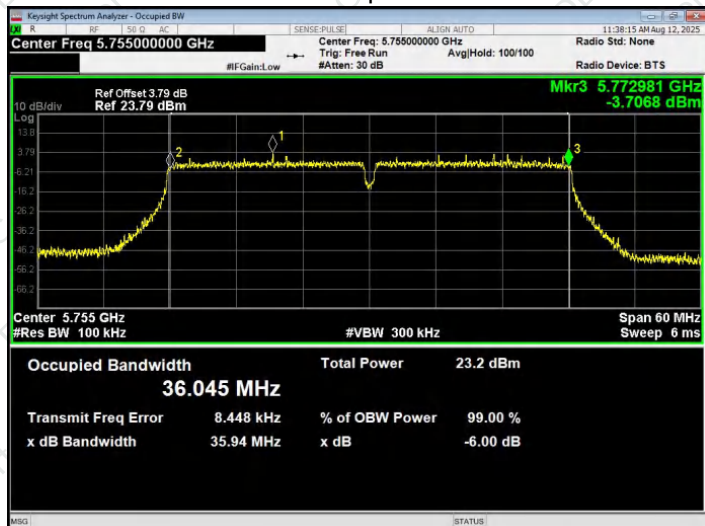
26dB Bandwidth plot on CH 165



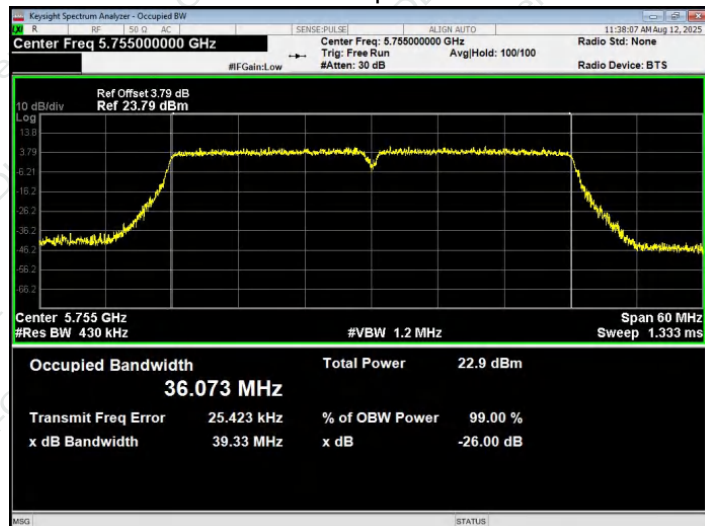


SISO ANT A - 802.11ac40

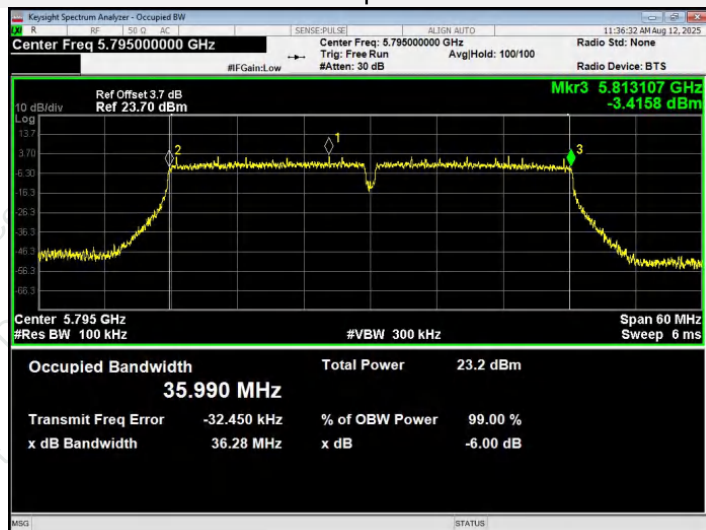
6dB Bandwidth plot on CH 151



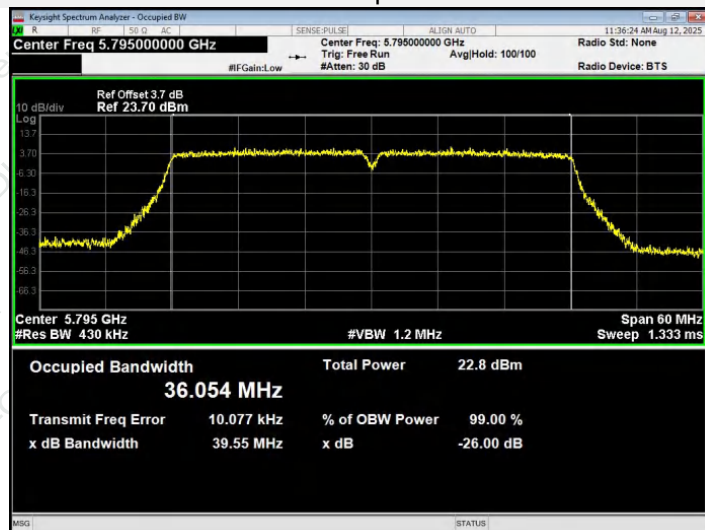
26dB Bandwidth plot on CH 151



6dB Bandwidth plot on CH 159



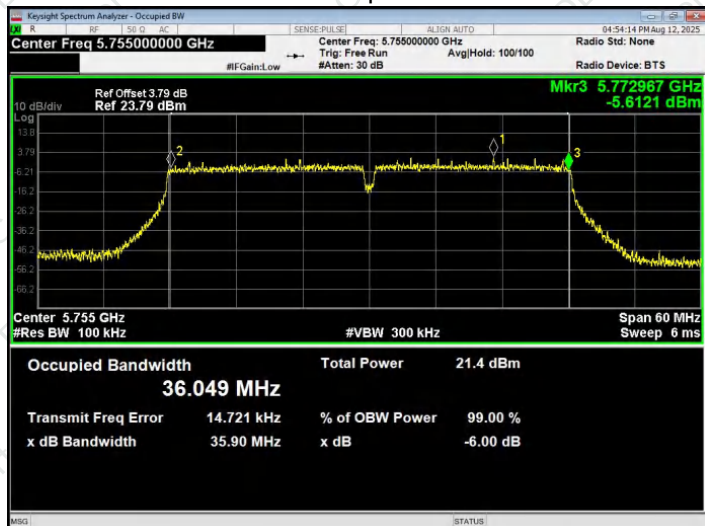
26dB Bandwidth plot on CH 159



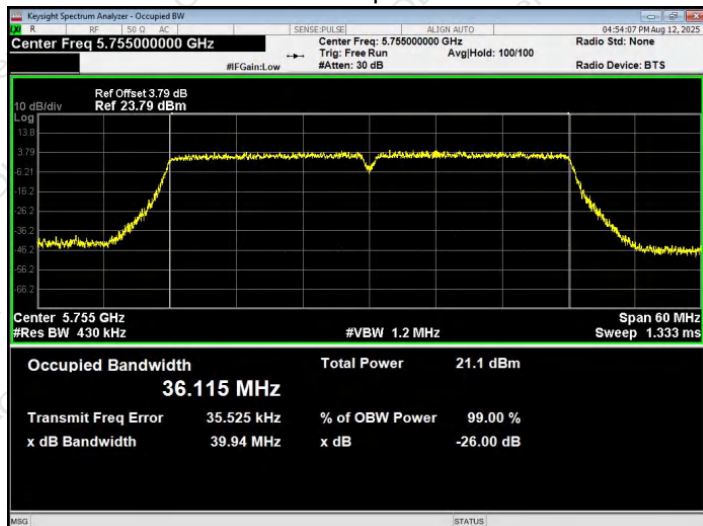


SISO ANT B - 802.11ac40

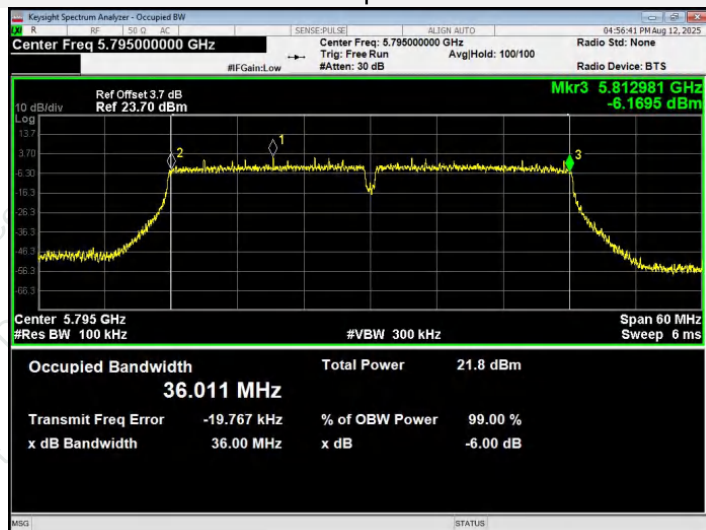
6dB Bandwidth plot on CH 151



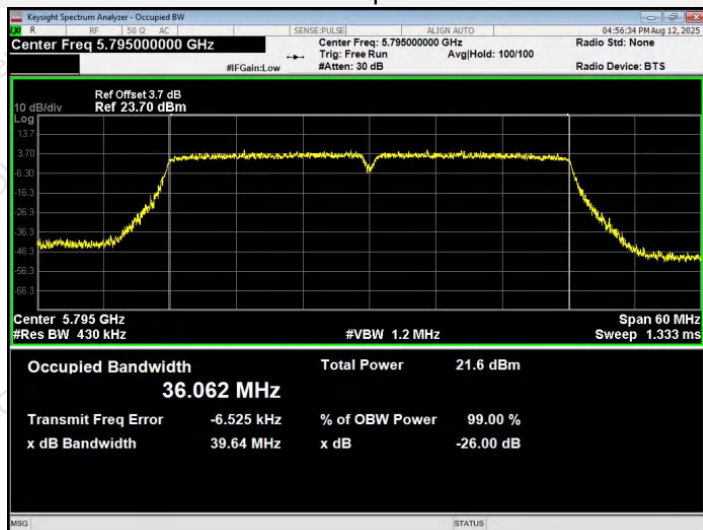
26dB Bandwidth plot on CH 151



6dB Bandwidth plot on CH 159



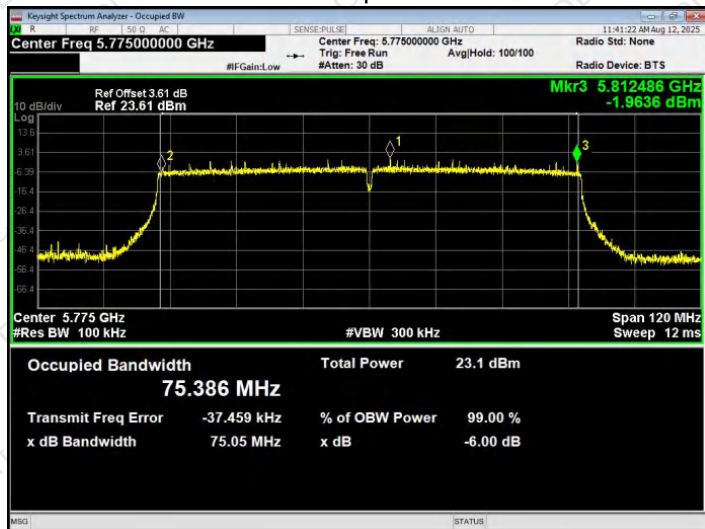
26dB Bandwidth plot on CH 159



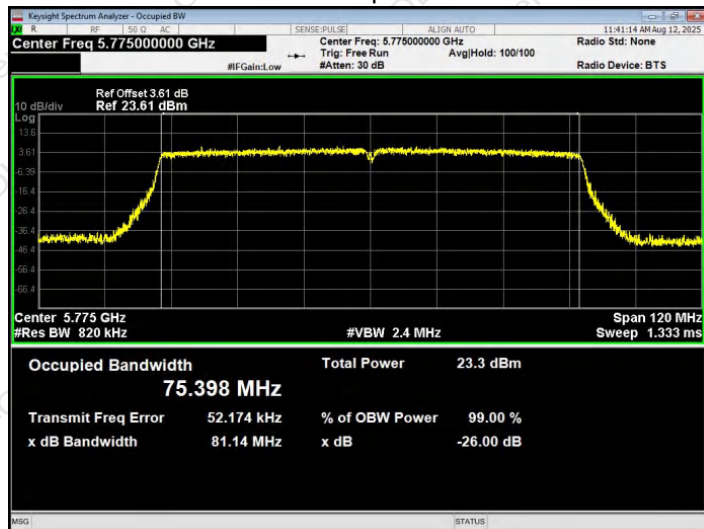


SISO ANT A - 802.11ac80

6dB Bandwidth plot on CH 155

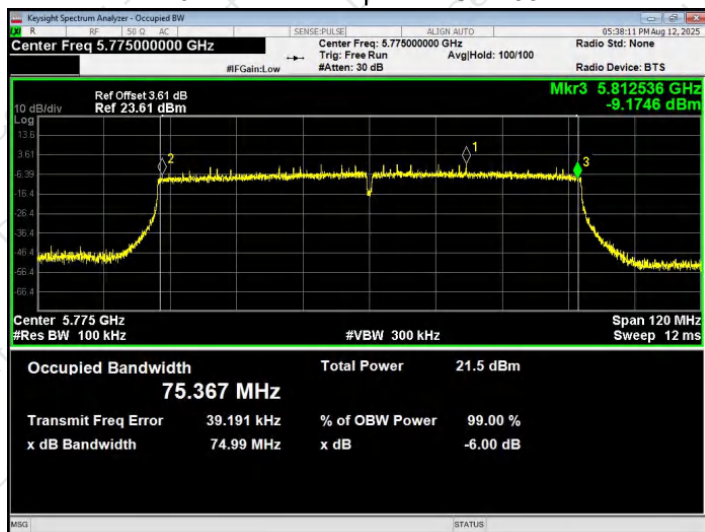


26dB Bandwidth plot on CH 155

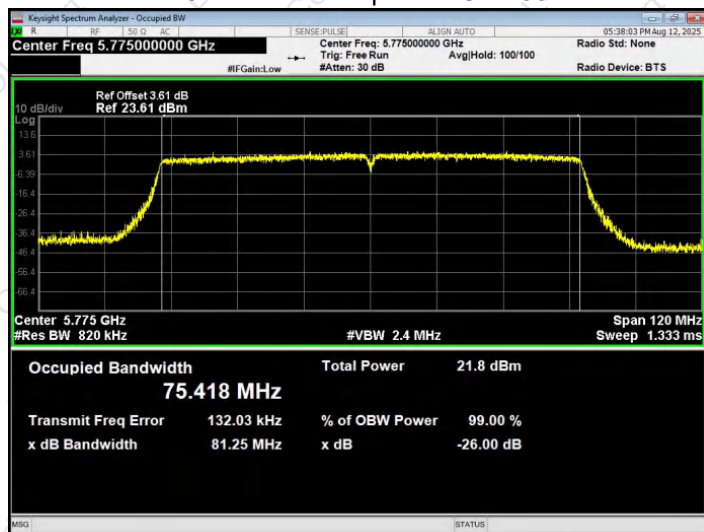


SISO ANT B - 802.11ac80

6dB Bandwidth plot on CH 155



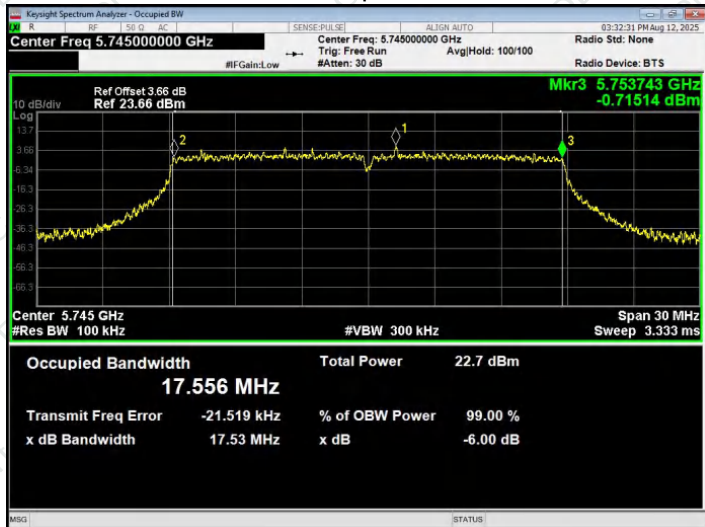
26dB Bandwidth plot on CH 155



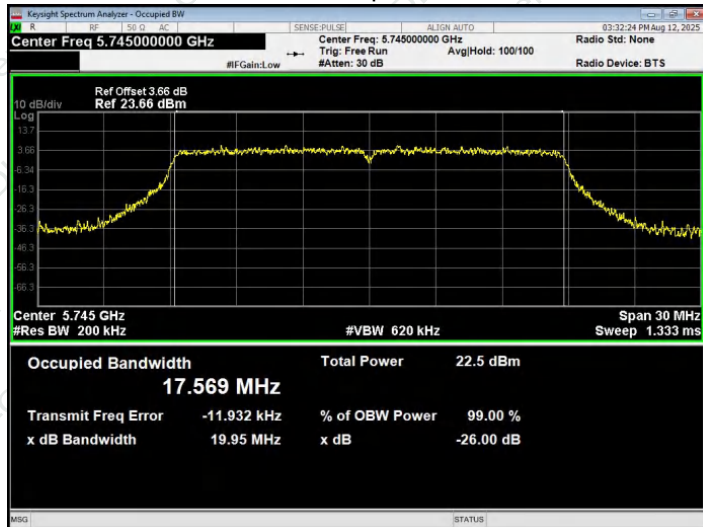


SISO ANT A - 802.11ax20

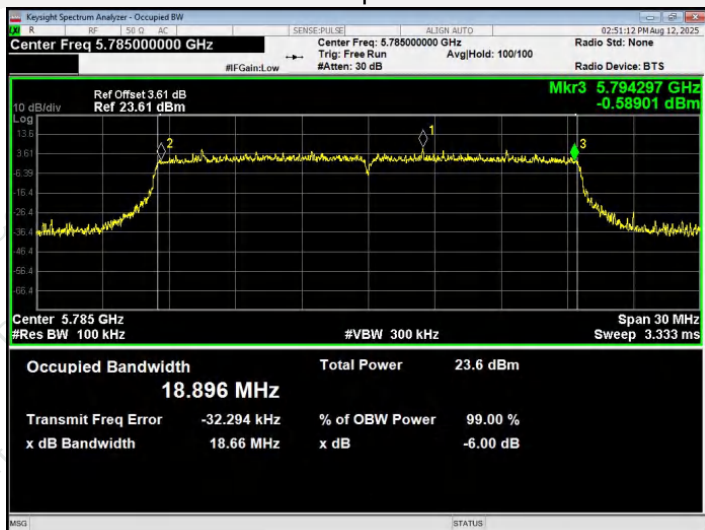
6dB Bandwidth plot on CH 149



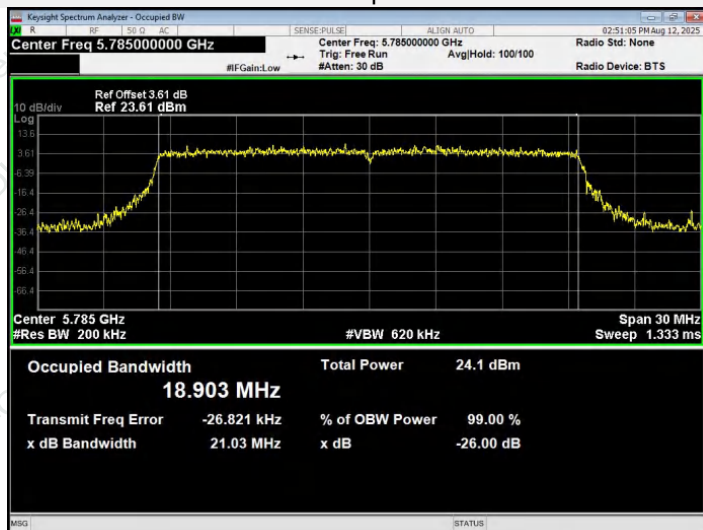
26dB Bandwidth plot on CH 149



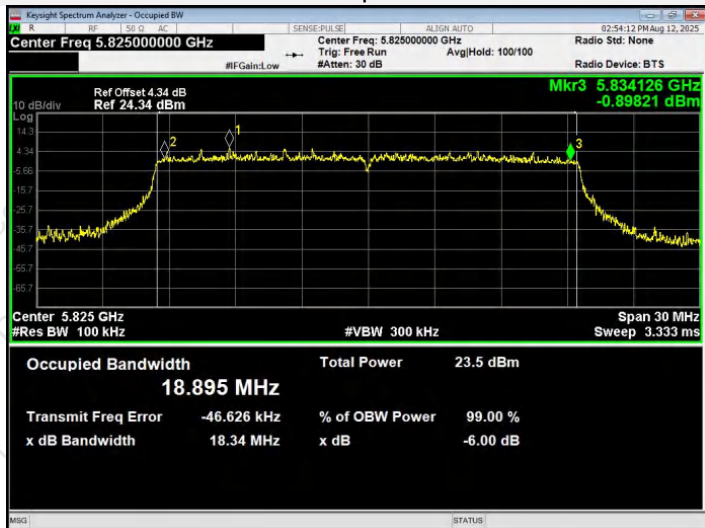
6dB Bandwidth plot on CH 157



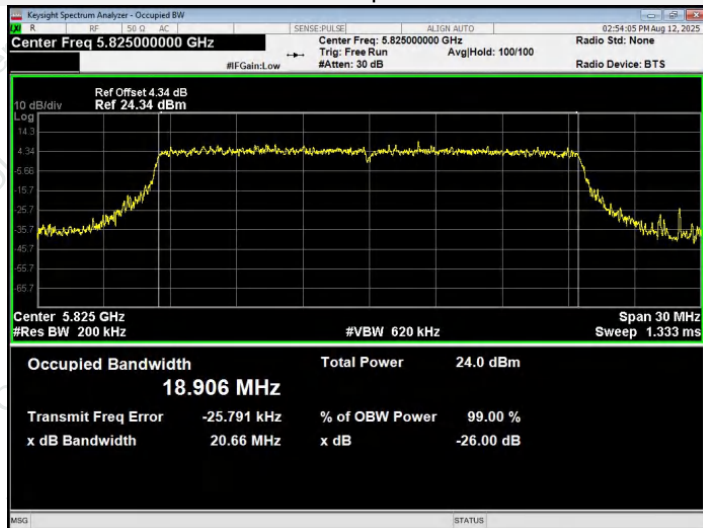
26dB Bandwidth plot on CH 157



6dB Bandwidth plot on CH 165



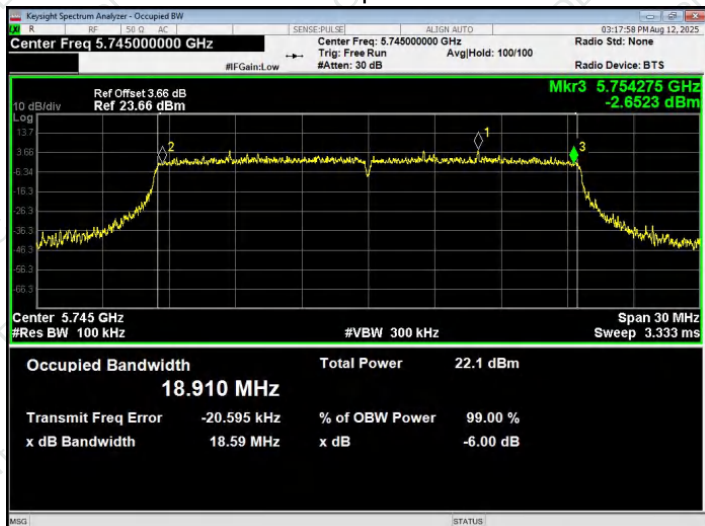
26dB Bandwidth plot on CH 165



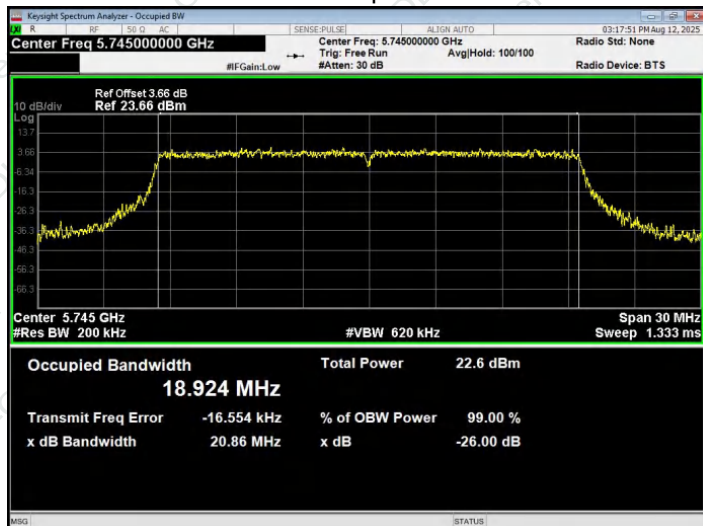


SISO ANT B - 802.11ax20

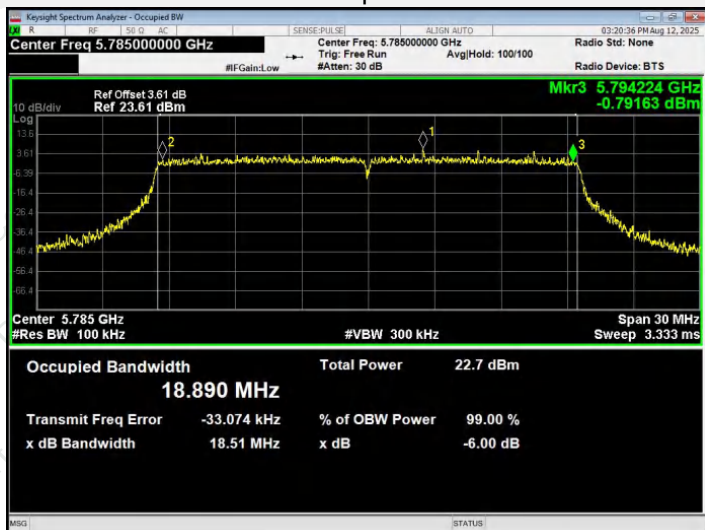
6dB Bandwidth plot on CH 149



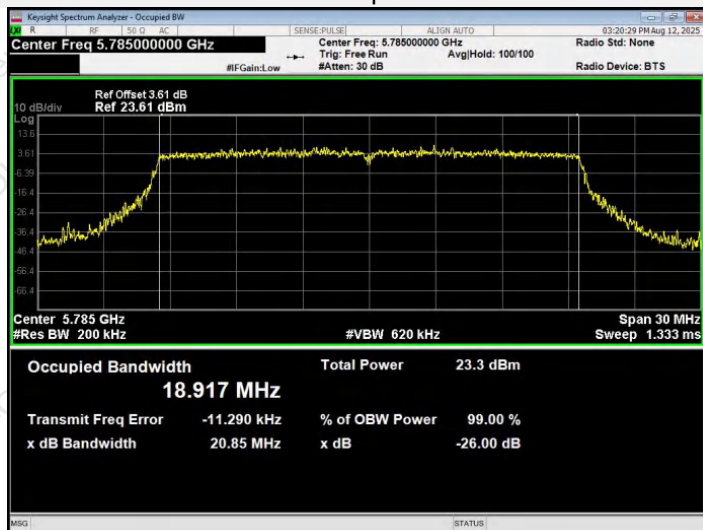
26dB Bandwidth plot on CH 149



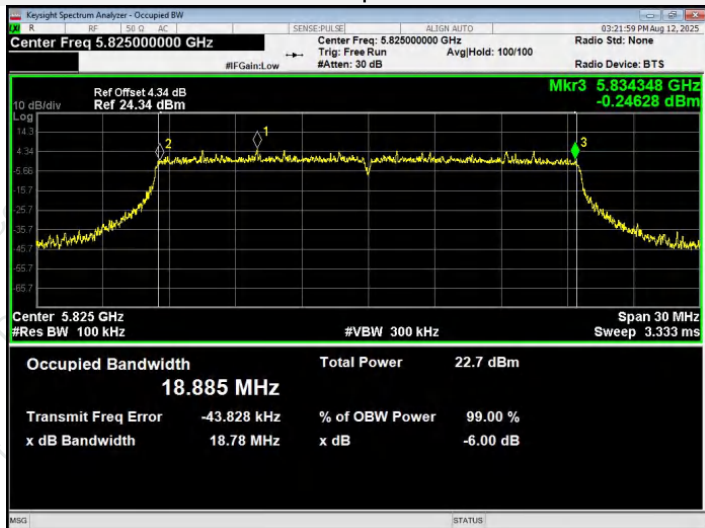
6dB Bandwidth plot on CH 157



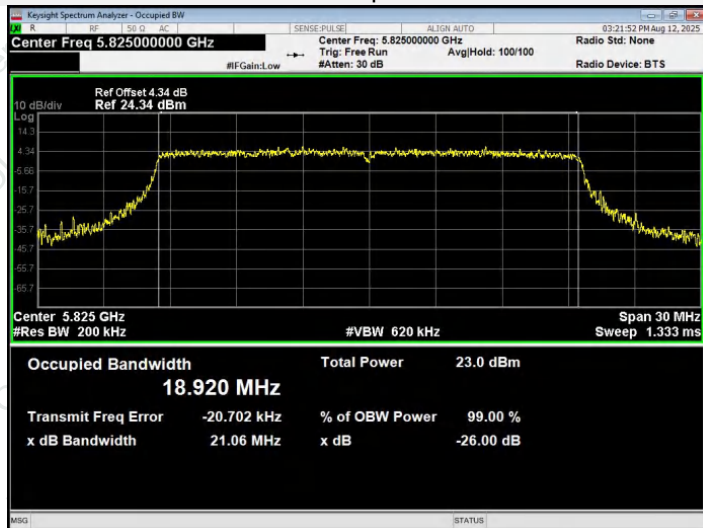
26dB Bandwidth plot on CH 157



6dB Bandwidth plot on CH 165



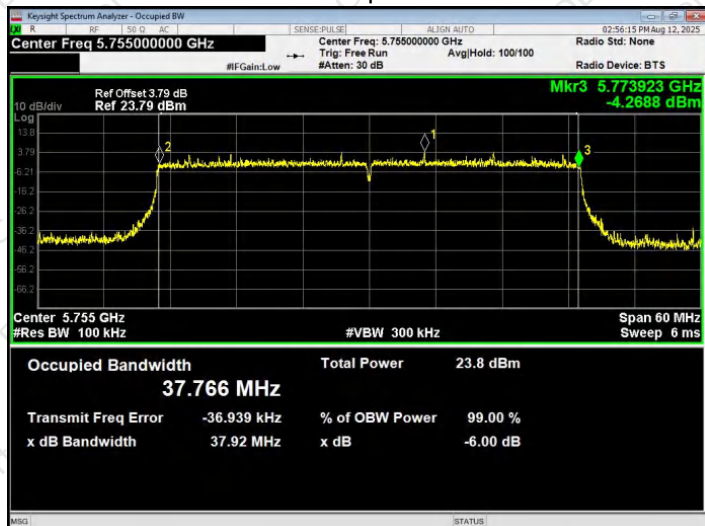
26dB Bandwidth plot on CH 165



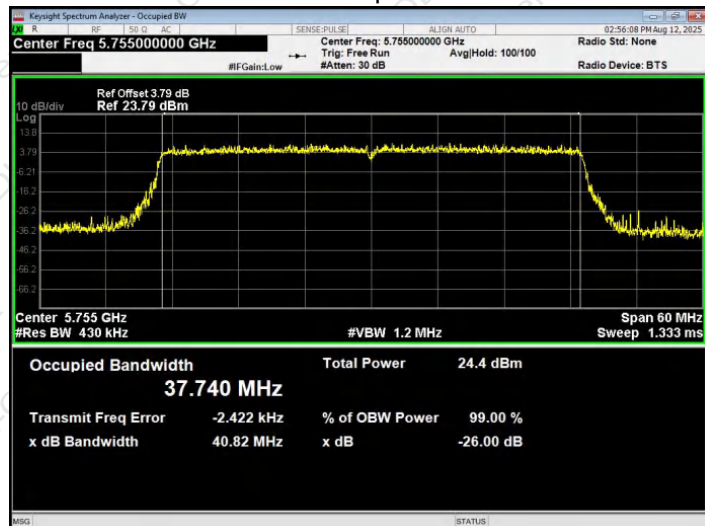


SISO ANT A - 802.11ax40

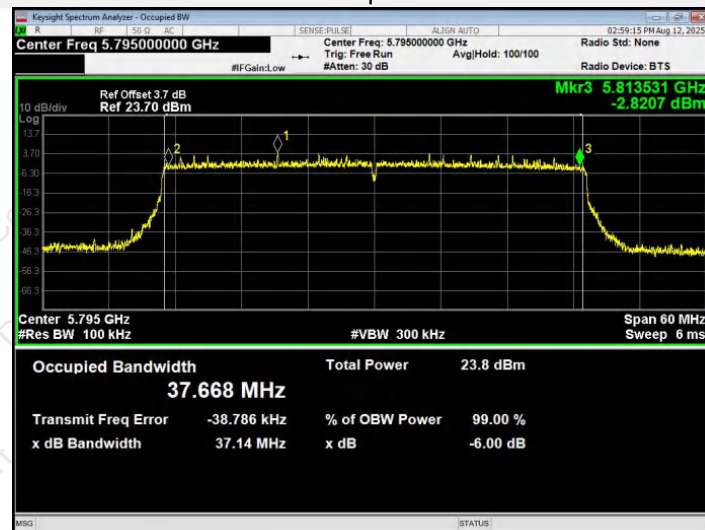
6dB Bandwidth plot on CH 151



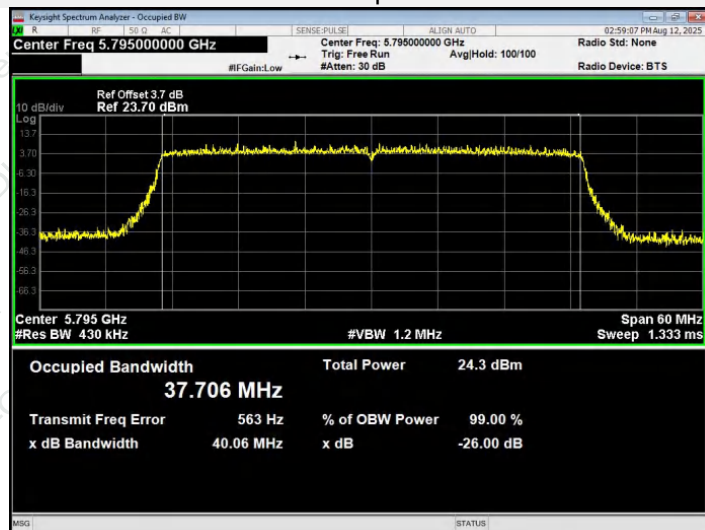
26dB Bandwidth plot on CH 151



6dB Bandwidth plot on CH 159



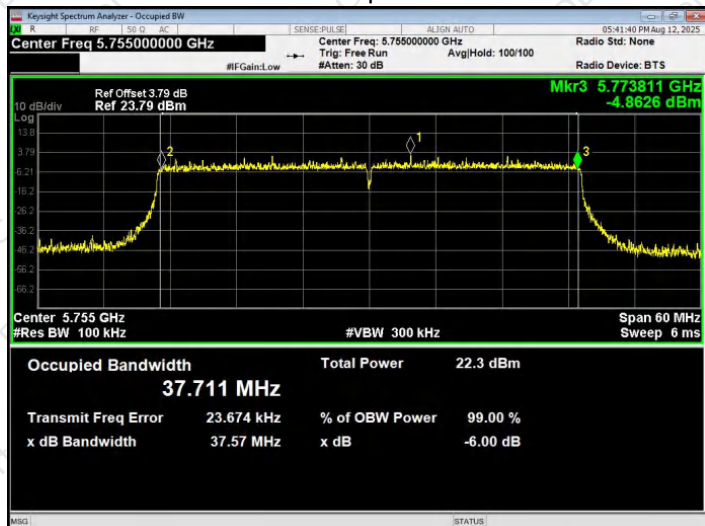
26dB Bandwidth plot on CH 159



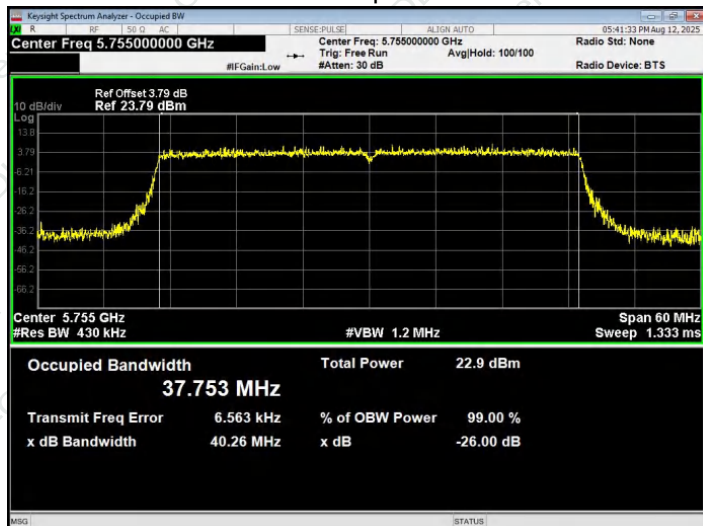


SISO ANT B - 802.11ax40

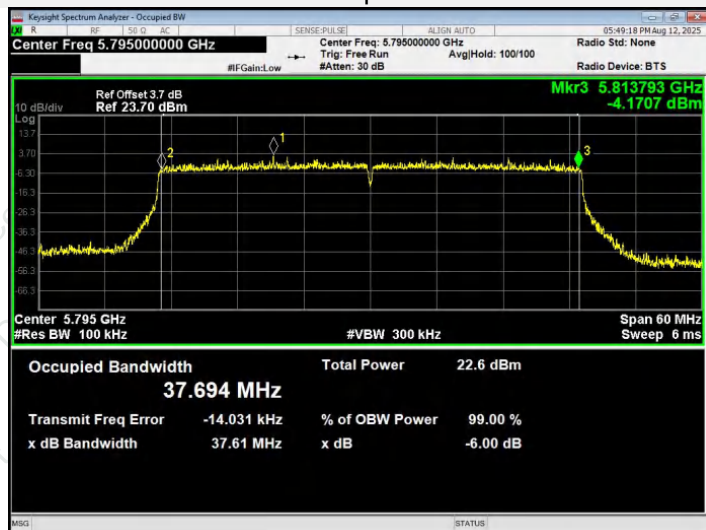
6dB Bandwidth plot on CH 151



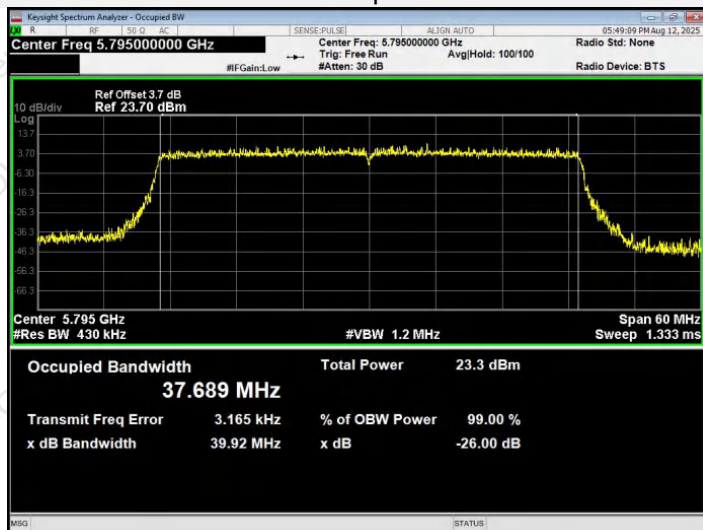
26dB Bandwidth plot on CH 151



6dB Bandwidth plot on CH 159



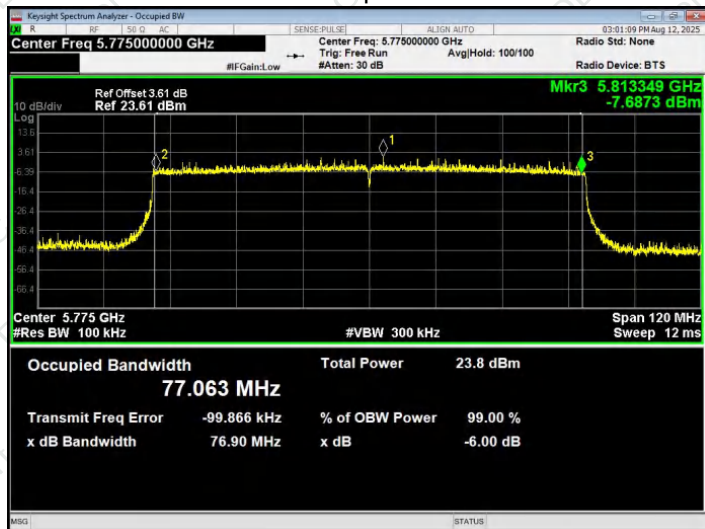
26dB Bandwidth plot on CH 159



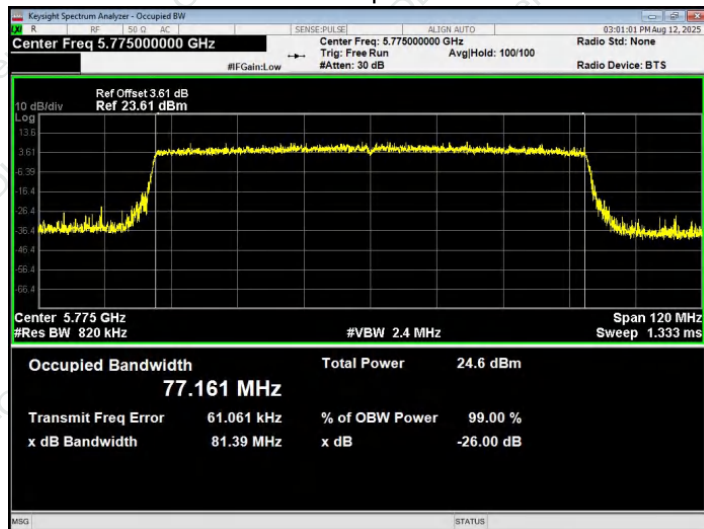


SISO ANT A - 802.11ax80

6dB Bandwidth plot on CH 155

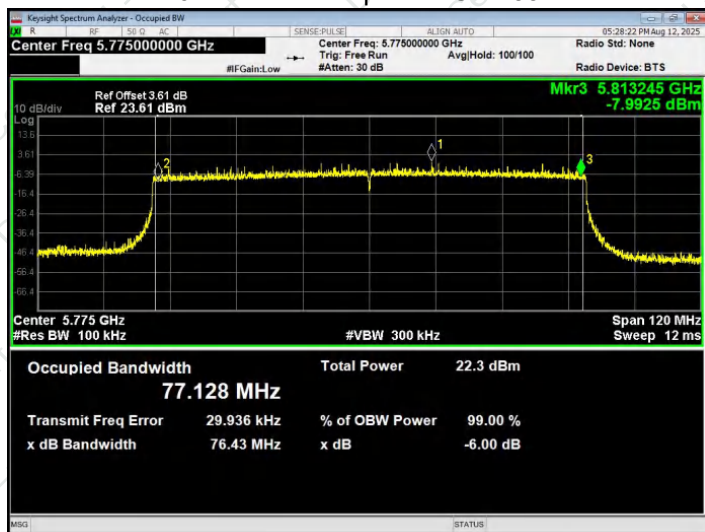


26dB Bandwidth plot on CH 155

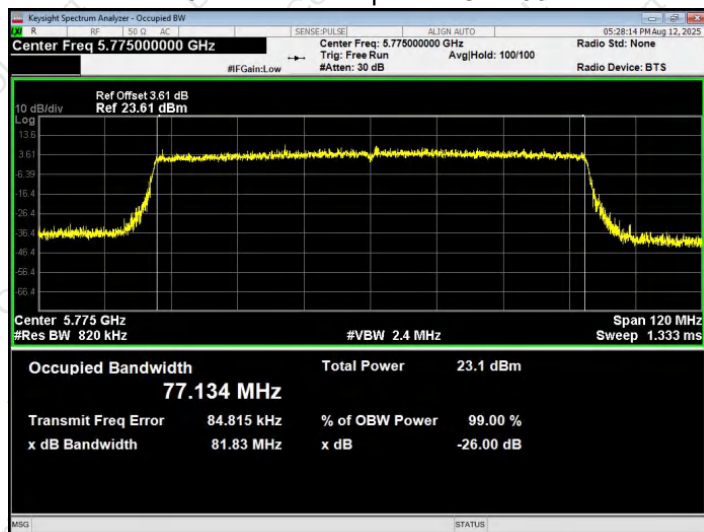


SISO ANT B - 802.11ax80

6dB Bandwidth plot on CH 155



26dB Bandwidth plot on CH 155





7. MAXIMUM CONDUCTED OUTPUT POWER

7.1 PPLIED PROCEDURES / LIMIT

According to FCC §15.407

The maximum conducted output power should not exceed:

Frequency Band(MHz)	Limit
5150~5250	250mW
5725~5850	1W

7.2 TEST PROCEDURE

The EUT was directly connected to the Power meter

1. Device Configuration

If possible, configure or modify the operation of the EUT so that it transmits continuously at its maximum power control level (see section II.B.).

a) The intent is to test at 100 percent duty cycle; however a small reduction in duty cycle (to no lower than 98 percent) is permitted if required by the EUT for amplitude control purposes. Manufacturers are expected to provide software to the test lab to permit such continuous operation.

b) If continuous transmission (or at least 98 percent duty cycle) cannot be achieved due to hardware limitations (e.g., overheating), the EUT shall be operated at its maximum power control level with the transmit duration as long as possible and the duty cycle as high as possible.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 7.4 Unless otherwise a special operating condition is specified in the follows during the testing.



7.6 TEST RESULTS

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1012 hPa	Test Voltage :	DC 3.85V
Test Band :	5.2G		

Test Mode	Antenna	Frequency (MHz)	Output power (dBm)	Duty cycle factor (dB)	Total power (dBm)	Limit (dBm)	Result
802.11a	SISO ANT A	5180	13.117	0.198	13.315	23.98	Pass
		5200	13.208	0.198	13.406		
		5240	13.207	0.198	13.405		
	SISO ANT B	5180	13.191	0.202	13.393	23.98	Pass
		5200	13.232	0.202	13.434		
		5240	13.278	0.202	13.48		
802.11n20	SISO ANT A	5180	12.153	0.204	12.357	23.98	Pass
		5200	12.375	0.204	12.579		
		5240	12.285	0.204	12.489		
	SISO ANT B	5180	12.423	0.204	12.627	23.98	Pass
		5200	12.286	0.204	12.490		
		5240	12.313	0.204	12.517		
	MIMO A+B	5180	/	/	15.504	23.98	Pass
		5200	/	/	15.545		
		5240	/	/	15.513		
802.11n40	SISO ANT A	5190	12.301	0.205	12.506	23.98	Pass
		5230	12.223	0.205	12.428		
	SISO ANT B	5190	11.229	0.206	11.435	23.98	Pass
		5230	11.168	0.206	11.374		
	MIMO A+B	5190	/	/	15.014	23.98	Pass
		5230	/	/	14.943		
802.11ac20	SISO ANT A	5180	13.177	0.203	13.380	23.98	Pass
		5200	13.294	0.203	13.497		
		5240	13.123	0.203	13.326		
	SISO ANT B	5180	12.864	0.204	13.068	23.98	Pass
		5200	12.963	0.204	13.167		
		5240	12.504	0.204	12.708		



	MIMO A+B	5180	/	/	16.237	23.98	Pass
		5200	/	/	16.345		
		5240	/	/	16.038		
802.11ac40	SISO ANT A	5190	12.077	0.207	12.284	23.98	Pass
		5230	12.085	0.207	12.292		
	SISO ANT B	5190	11.663	0.209	11.872	23.98	Pass
		5230	11.549	0.209	11.758		
	MIMO A+B	5190	/	/	15.093	23.98	Pass
		5230	/	/	15.044		
802.11ac80	SISO ANT A	5210	11.835	0.205	12.040	23.98	Pass
	SISO ANT B	5210	11.374	0.205	11.579	23.98	Pass
	MIMO A+B	5210	/	/	14.621	23.98	Pass
802.11ax20	SISO ANT A	5180	13.095	0.006	13.101	23.98	Pass
		5200	13.144	0.006	13.150		
		5240	13.132	0.006	13.138		
	SISO ANT B	5180	12.866	0.004	12.870	23.98	Pass
		5200	12.956	0.004	12.960		
		5240	12.900	0.004	12.904		
	MIMO A+B	5180	/	/	15.997	23.98	Pass
		5200	/	/	16.066		
		5240	/	/	16.033		
802.11ax40	SISO ANT A	5190	12.131	0.006	12.137	23.98	Pass
		5230	12.365	0.006	12.371		
	SISO ANT B	5190	11.052	0.006	11.058	23.98	Pass
		5230	11.895	0.006	11.901		
	MIMO A+B	5190	/	/	14.641	23.98	Pass
		5230	/	/	15.153		
802.11ax80	SISO ANT A	5210	11.853	0.004	11.857	23.98	Pass
	SISO ANT B	5210	11.552	0.004	11.556	23.98	Pass
	MIMO A+B	5210	/	/	14.719	23.98	Pass

Note: Total power = Output power + Duty cycle factor.



Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1012 hPa	Test Voltage :	DC 3.85V
Test Band :	5.8G		

Test Mode	Antenna	Frequency (MHz)	Output power (dBm)	Duty cycle factor (dB)	Total power (dBm)	Limit (dBm)	Result
802.11a	SISO ANT A	5745	13.180	0.202	13.382	30	Pass
		5785	13.219	0.202	13.421		
		5825	13.146	0.202	13.348		
	SISO ANT B	5745	12.798	0.202	13.000	30	Pass
		5785	12.948	0.202	13.150		
		5825	12.878	0.202	13.080		
802.11n20	SISO ANT A	5745	13.174	0.006	13.180	30	Pass
		5785	13.388	0.006	13.394		
		5825	13.288	0.006	13.294		
	SISO ANT B	5745	12.697	0.006	12.703	30	Pass
		5785	12.382	0.006	12.388		
		5825	12.513	0.006	12.519		
	MIMO A+B	5745	/	/	15.958	30	Pass
		5785	/	/	15.930		
		5825	/	/	15.934		
802.11n40	SISO ANT A	5755	12.147	0.206	12.353	30	Pass
		5795	12.070	0.206	12.276		
	SISO ANT B	5755	11.306	0.208	11.514	30	Pass
		5795	11.754	0.208	11.962		
	MIMO A+B	5755	/	/	14.964	30	Pass
		5795	/	/	15.132		
802.11ac20	SISO ANT A	5745	13.238	0.006	13.244	30	Pass
		5785	13.330	0.006	13.336		
		5825	13.130	0.006	13.136		
	SISO ANT B	5745	12.903	0.006	12.909	30	Pass
		5785	12.789	0.006	12.795		
		5825	12.972	0.006	12.978		
	MIMO A+B	5745	/	/	16.090	30	Pass
		5785	/	/	16.084		