

Appendix C

RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: DASH CAM

Trade Mark: Pernis

Test Model: S2

Environmental Conditions

Temperature:	23.4 ° C
Relative Humidity:	55.7%
ATM Pressure:	100.0 kPa
Test Engineer:	<i>Hugh Zhang</i>
Supervised by:	<i>Cherry Chen</i>



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REV.00

Report No. 2025112686538037-00

FCC ID: 2BSYP-S2

C.1 FREQUENCY STABILITY

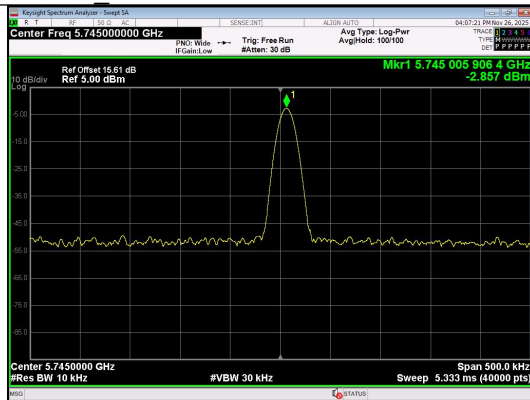
Test Result

Condition	Ch.	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	149	0	5745.0	5745.005906	1.03	Within authorized band	PASS
	157		5785.0	5785.008106	1.4		PASS
	165		5825.0	5825.008494	1.46		PASS
	151		5755.0	5754.995681	-0.75		PASS
	159		5795.0	5794.997494	-0.43		PASS
	155		5775.0	5774.998706	-0.22		PASS

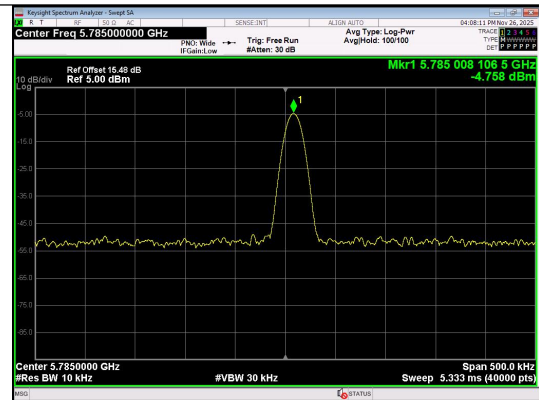
Test Graphs

NT/NV

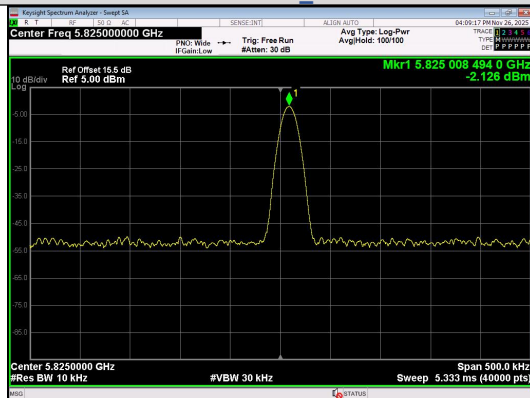
IEEE 802.11n 20



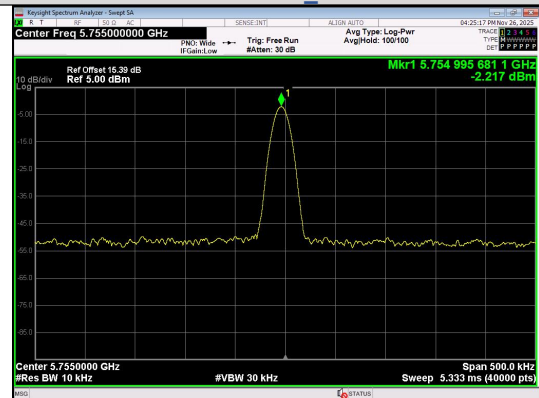
NT/NV_Antenna 0
Channel 149_20MHz



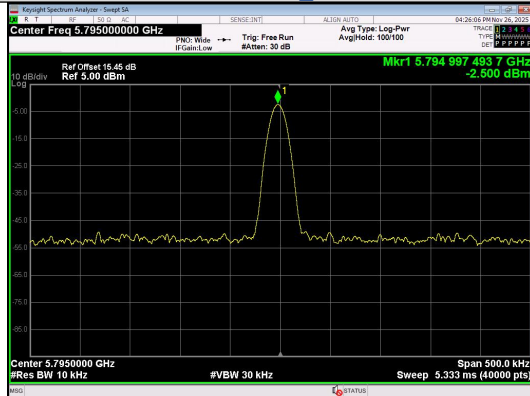
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Channel 157_20MHz



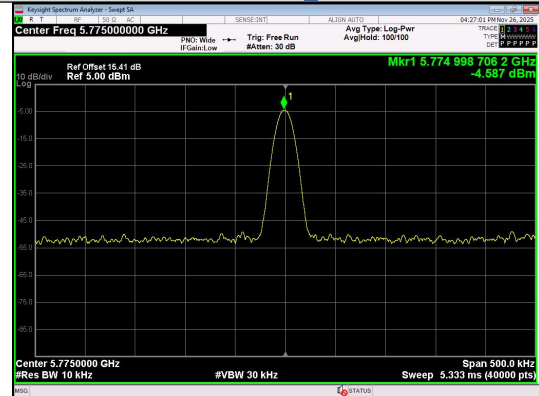
NT/NV_Antenna 0
Channel 165_20MHz



NT/NV_Antenna 0
Channel 151_40MHz



NT/NV_Antenna 0
Channel 159_40MHz



NT/NV_Antenna 0
Channel 155_80MHz

**C.2 MAXIMUM CONDUCTED OUTPUT POWER**

Conducted output power

Condition	Mode	Frequency (MHz)	RU & Index	Antenna	Maximum conducted output power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	N/A	Ant0	8.29	26.44	Pass
NVNT	a	5785		Ant0	8.92	26.44	Pass
NVNT	a	5825		Ant0	9.29	26.44	Pass
NVNT	n20	5745		Ant0	7.77	26.44	Pass
NVNT	n20	5785		Ant0	7.72	26.44	Pass
NVNT	n20	5825		Ant0	8.41	26.44	Pass
NVNT	n40	5755		Ant0	6.73	26.44	Pass
NVNT	n40	5795		Ant0	6.70	26.44	Pass
NVNT	ac20	5745		Ant0	7.48	26.44	Pass
NVNT	ac20	5785		Ant0	7.56	26.44	Pass
NVNT	ac20	5825		Ant0	8.36	26.44	Pass
NVNT	ac40	5755		Ant0	6.39	26.44	Pass
NVNT	ac40	5795		Ant0	6.08	26.44	Pass
NVNT	ac80	5775		Ant0	3.90	26.44	Pass
NVNT	ax20	5745	Full RU	Ant0	8.27	26.44	Pass
NVNT	ax20	5785		Ant0	8.37	26.44	Pass
NVNT	ax20	5825		Ant0	9.07	26.44	Pass
NVNT	ax40	5755		Ant0	7.06	26.44	Pass
NVNT	ax40	5795		Ant0	6.47	26.44	Pass
NVNT	ax80	5775		Ant0	6.05	26.44	Pass

Partial RU:

Test Mode	Channel/ Frequency (MHz)	RU configure	Maximum peak conducted output power (dBm)	Limit (dBm)	Verdict
AX20	149 / 5745	26 / 8	4.23	26.44	Pass
AX20	149 / 5745	52 / 40	4.57	26.44	Pass
AX20	149 / 5745	106 / 54	4.30	26.44	Pass



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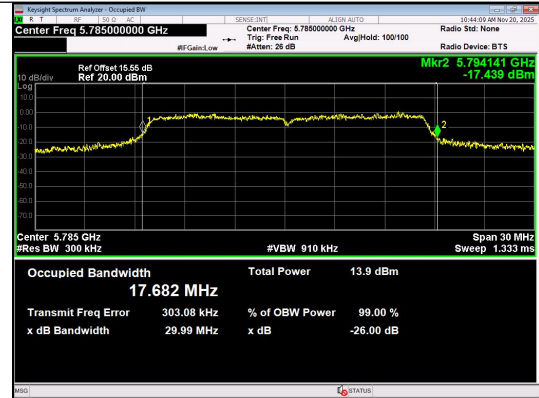
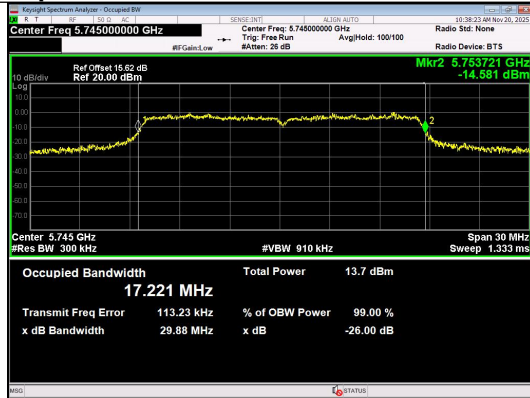
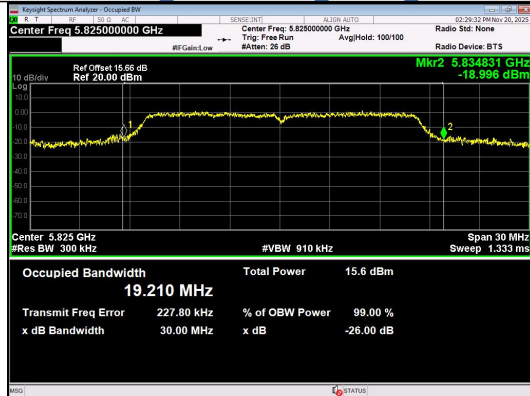
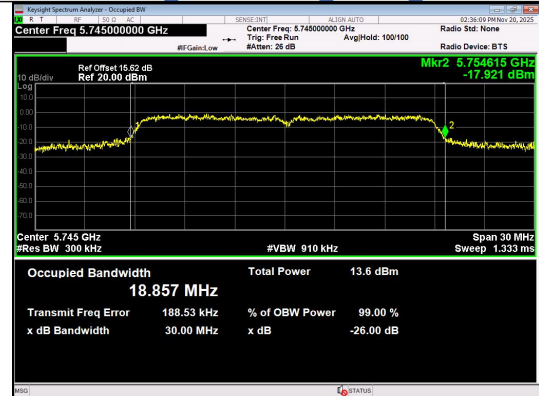
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C.3 99% BANDWIDTH**Test Result**

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	N/A	0	5745	17.221
	157			5785	17.682
	165			5825	19.210
IEEE 802.11n_20	149			5745	18.857
	157			5785	18.797
	165			5825	18.573
IEEE 802.11n_40	151			5755	37.599
	159			5795	37.928
IEEE 802.11ac_20	149			5745	18.562
	157			5785	18.551
	165			5825	18.433
IEEE 802.11ac_40	151			5755	37.193
	159			5795	37.988
IEEE 802.11ac_80	155			5775	79.715
IEEE 802.11ax_20	149	Full RU	5745	19.957	
	157		5785	21.405	
	165		5825	21.427	
IEEE 802.11ax_40	151		5755	36.590	
	159		5795	37.105	
IEEE 802.11ax_80	155		5775	76.724	

Test Graphs**IEEE 802.11a Channel 149 20MHz Antenna 0****IEEE 802.11a Channel 157 20MHz Antenna 0****IEEE 802.11a Channel 165 20MHz Antenna 0****IEEE 802.11n Channel 149 20MHz Antenna 0**

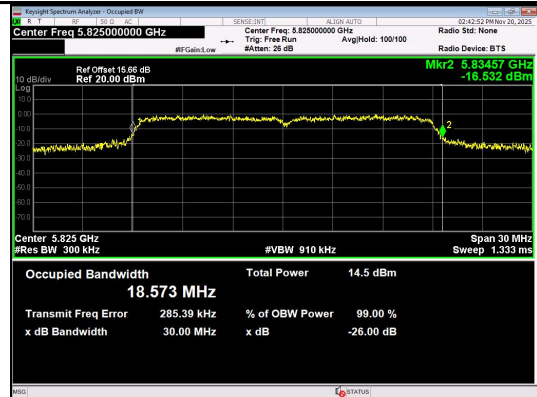
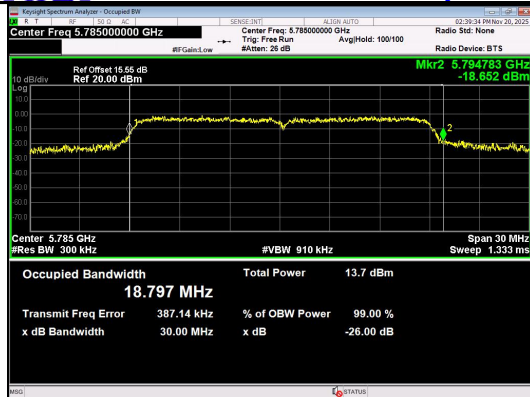


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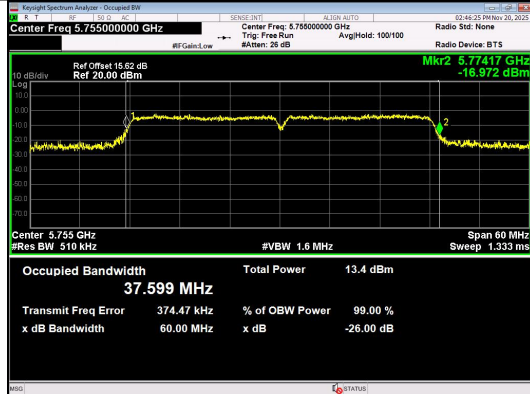
REV.00

Report No. 2025112686538037-00

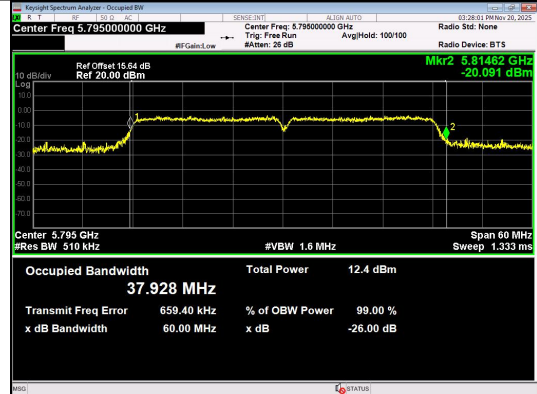
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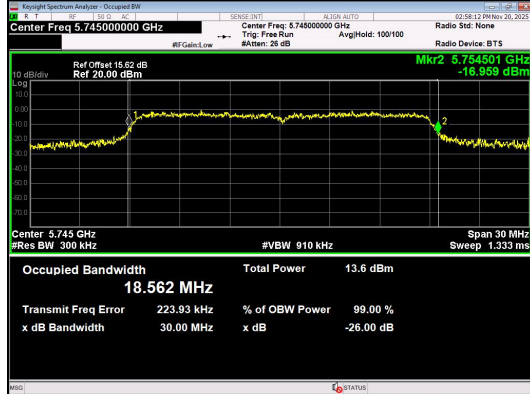
IEEE 802.11n Channel 157 20MHz Antenna 0



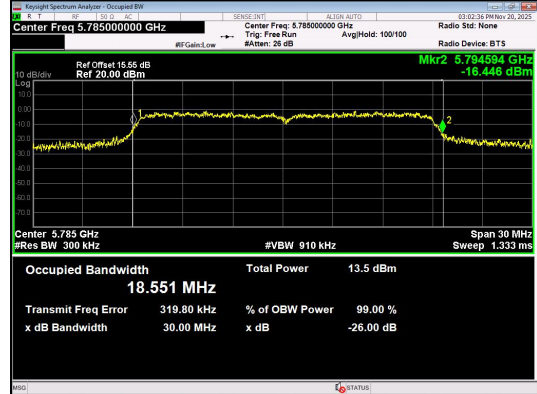
IEEE 802.11n Channel 165 20MHz Antenna 0



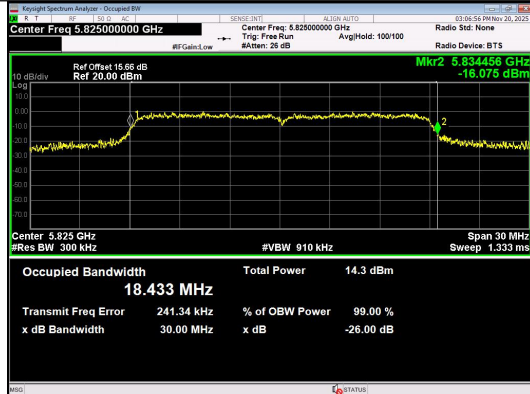
IEEE 802.11n Channel 151 40MHz Antenna 0



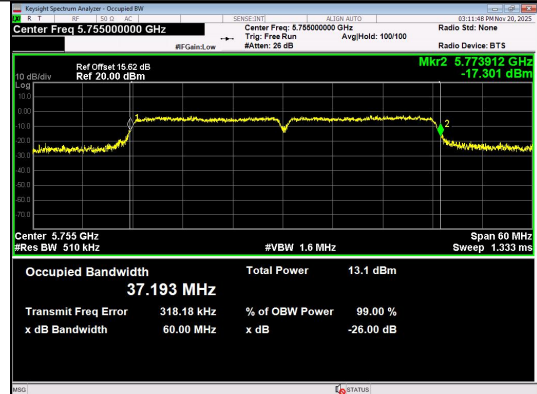
IEEE 802.11n Channel 159 40MHz Antenna 0



IEEE 802.11ac Channel 149 20MHz Antenna 0



IEEE 802.11ac Channel 157 20MHz Antenna 0



IEEE 802.11ac Channel 165 20MHz Antenna 0

IEEE 802.11ac Channel 151 40MHz Antenna 0

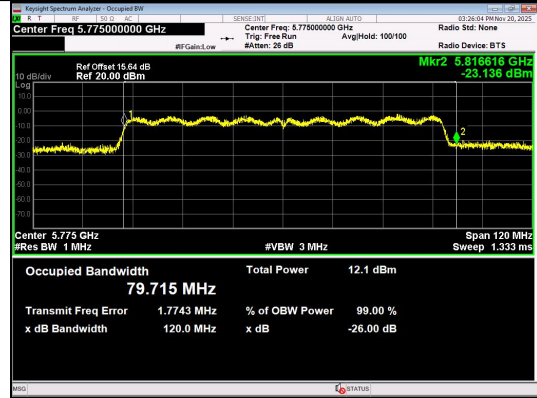
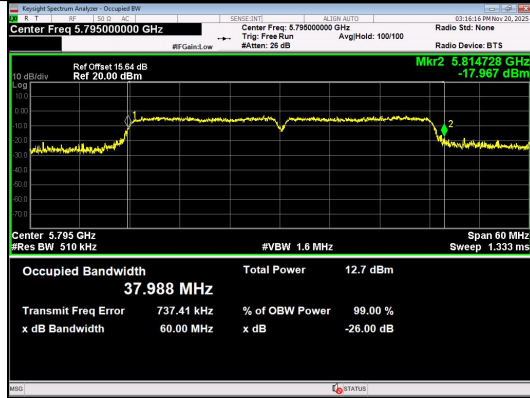


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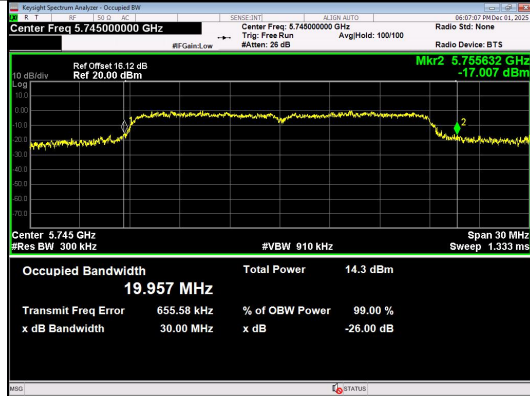
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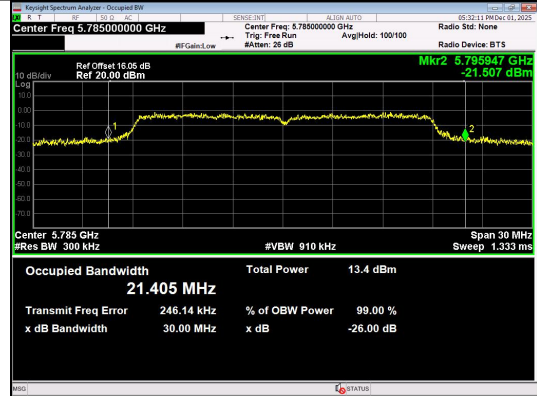
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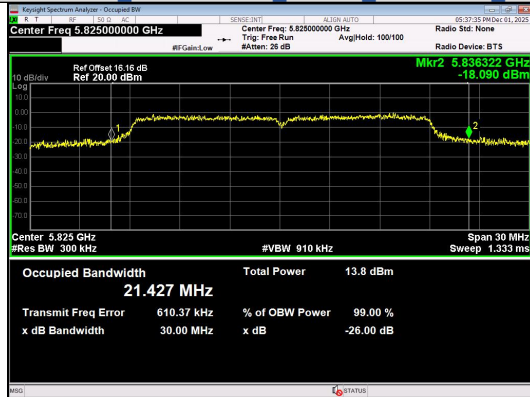
IEEE 802.11ac Channel 159 40MHz Antenna 0



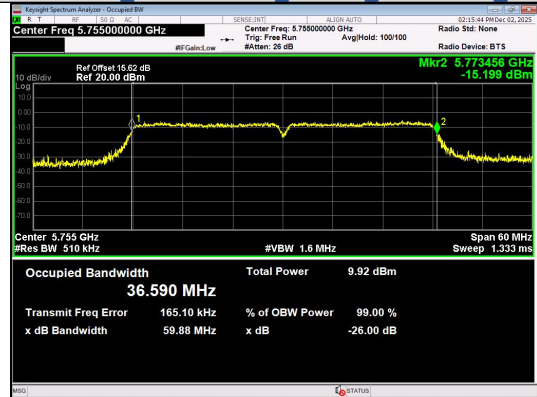
IEEE 802.11ac Channel 155 80MHz Antenna 0



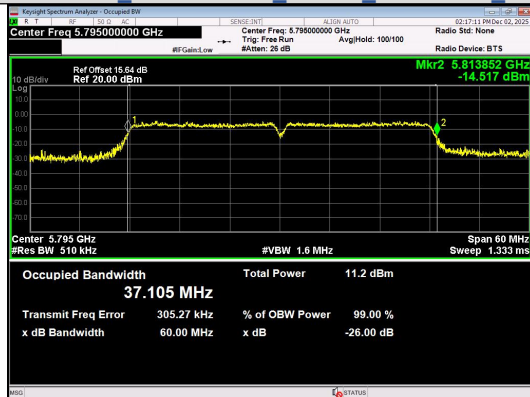
IEEE 802.11ax Channel 149 20MHz Antenna 0 Full RU



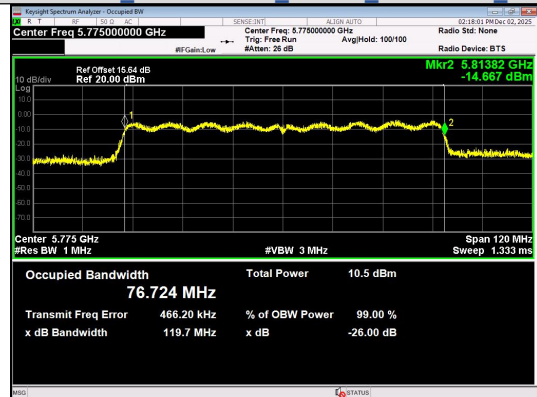
IEEE 802.11ax Channel 157 20MHz Antenna 0 Full RU



IEEE 802.11ax Channel 165 20MHz Antenna 0 Full RU



IEEE 802.11ax Channel 151 40MHz Antenna 0 Full RU



IEEE 802.11ax Channel 159 40MHz Antenna 0 Full RU

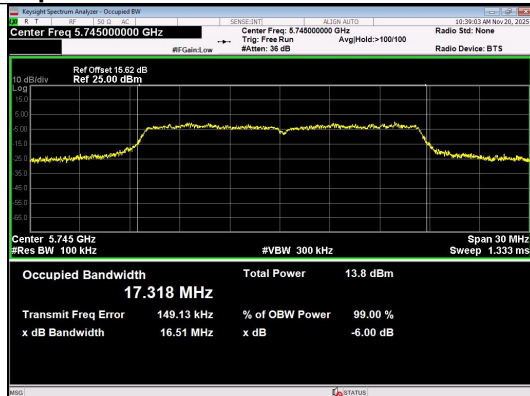
IEEE 802.11ax Channel 155 80MHz Antenna 0 Full RU

C.4 6DB BANDWIDTH

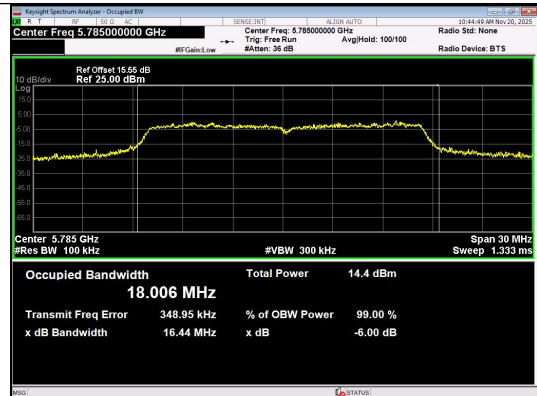
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	N/A	0	5745	16.51	≥0.5	PASS
	157			5785	16.44		PASS
	165			5825	16.44		PASS
IEEE 802.11n_20	149			5745	17.60		PASS
	157			5785	17.56		PASS
	165			5825	17.57		PASS
IEEE 802.11n_40	151			5755	36.30		PASS
	159			5795	36.25		PASS
IEEE 802.11ac_20	149			5745	17.58		PASS
	157			5785	17.62		PASS
	165			5825	17.57		PASS
IEEE 802.11ac_40	151			5755	36.29		PASS
	159			5795	36.20		PASS
IEEE 802.11ac_80	155			5775	76.04		PASS
IEEE 802.11ax_20	149	Full RU	5745	17.85	PASS		
	157		5785	17.97	PASS		
	165		5825	18.02	PASS		
IEEE 802.11ax_40	151		5755	36.31	PASS		
	159		5795	36.33	PASS		
IEEE 802.11ax_80	155		5775	76.57	PASS		

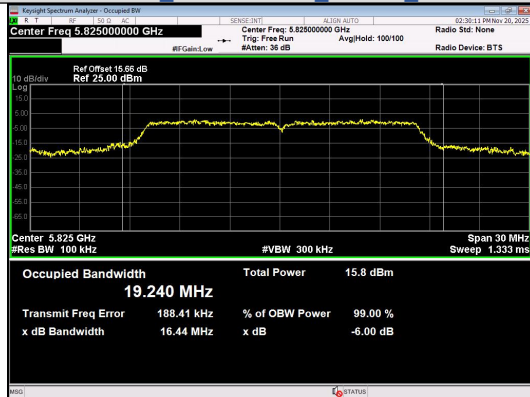
Test Graphs



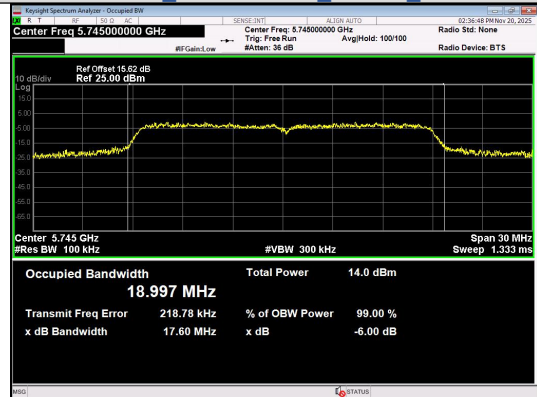
IEEE 802.11a_Channel 149_20MHz_Antenna 0



IEEE 802.11a_Channel 157_20MHz_Antenna 0



IEEE 802.11a_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 149_20MHz_Antenna 0

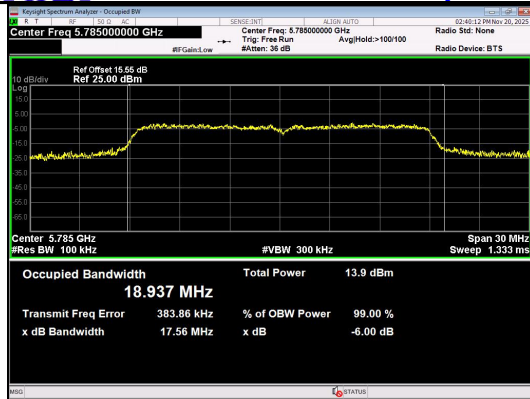


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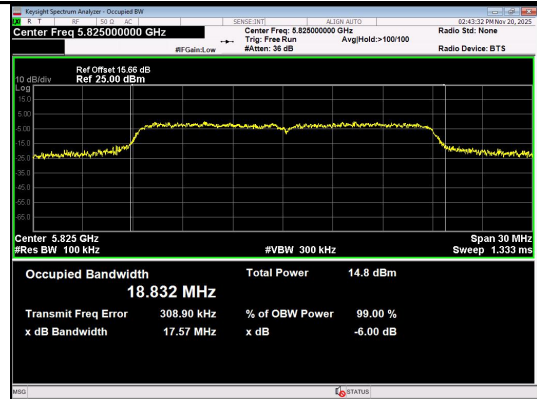
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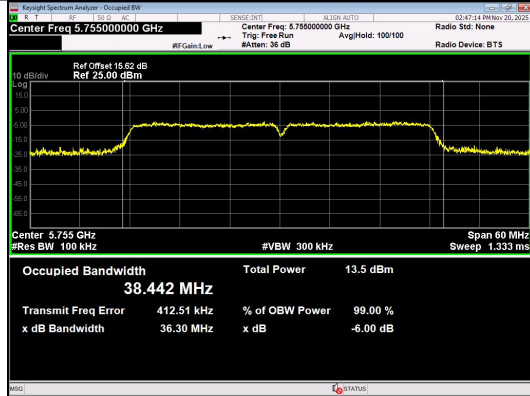
FCC ID: 2BSYP-S2



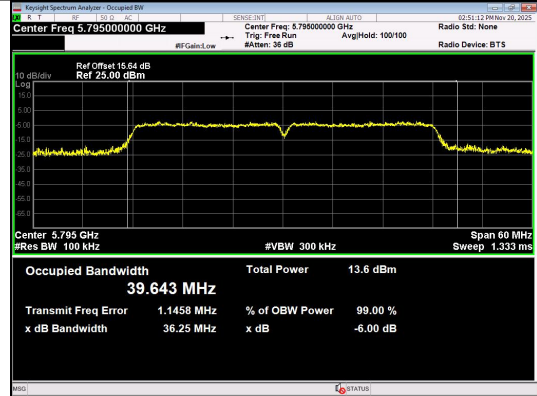
IEEE 802.11n Channel 157 20MHz Antenna 0



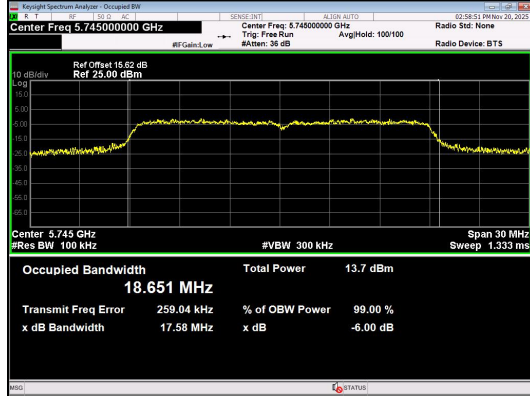
IEEE 802.11n Channel 165 20MHz Antenna 0



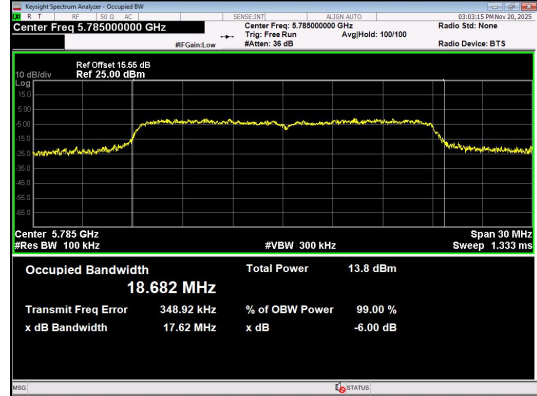
IEEE 802.11n Channel 151 40MHz Antenna 0



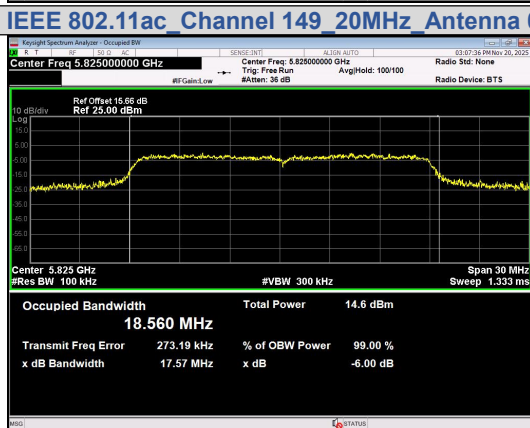
IEEE 802.11n Channel 159 40MHz Antenna 0



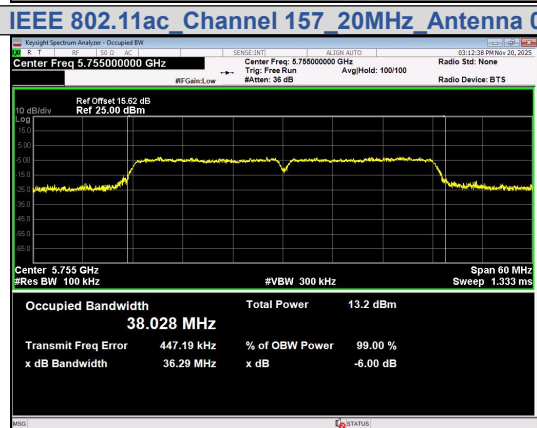
IEEE 802.11n Channel 151 40MHz Antenna 0



IEEE 802.11n Channel 159 40MHz Antenna 0



IEEE 802.11ac Channel 149 20MHz Antenna 0



IEEE 802.11ac Channel 157 20MHz Antenna 0

IEEE 802.11ac Channel 165 20MHz Antenna 0

IEEE 802.11ac Channel 151 40MHz Antenna 0

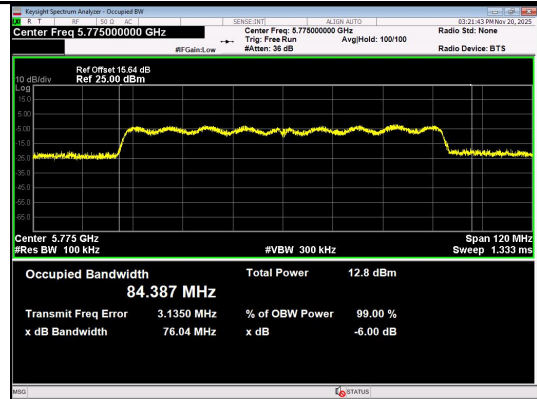
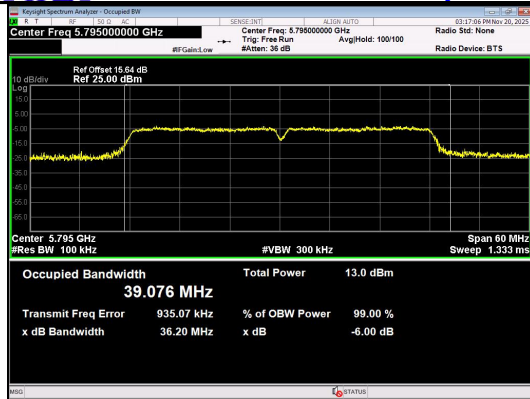


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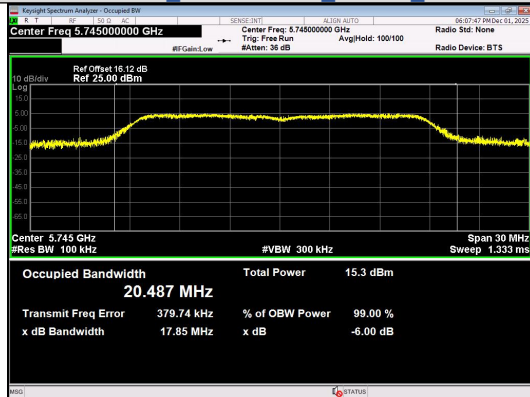
REV.00

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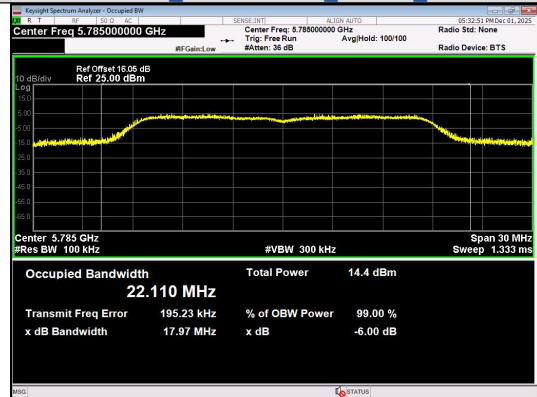
FCC ID: 2BSYP-S2



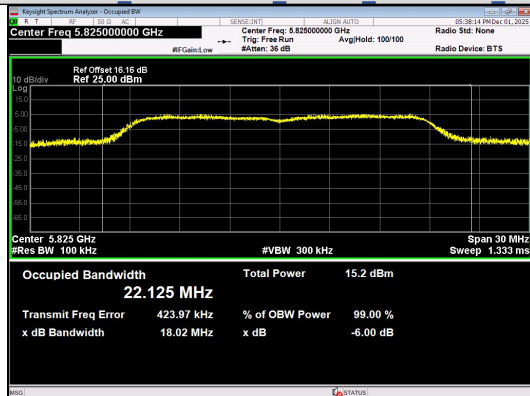
IEEE 802.11ac Channel 159 40MHz Antenna 0



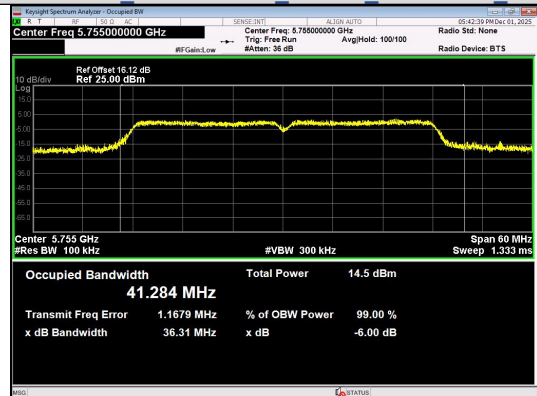
IEEE 802.11ac Channel 155 80MHz Antenna 0



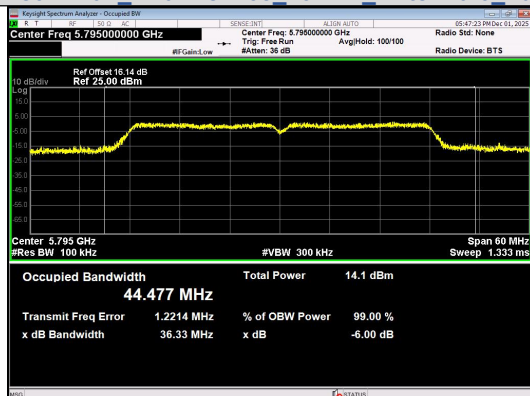
IEEE 802.11ax Channel 149 20MHz Antenna 0 Full RU



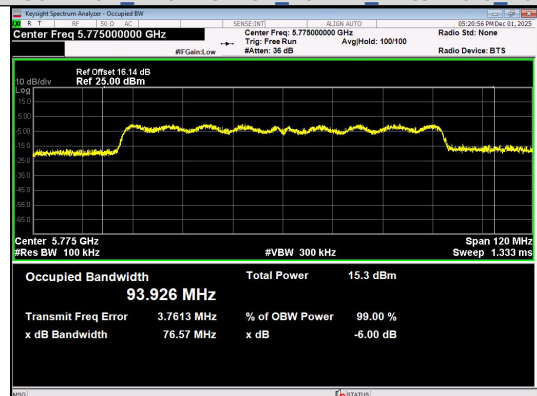
IEEE 802.11ax Channel 157 20MHz Antenna 0 Full RU



IEEE 802.11ax Channel 165 20MHz Antenna 0 Full RU



IEEE 802.11ax Channel 151 40MHz Antenna 0 Full RU



IEEE 802.11ax Channel 159 40MHz Antenna 0 Full RU

IEEE 802.11ax Channel 155 80MHz Antenna 0 Full RU