



Frequency Stability

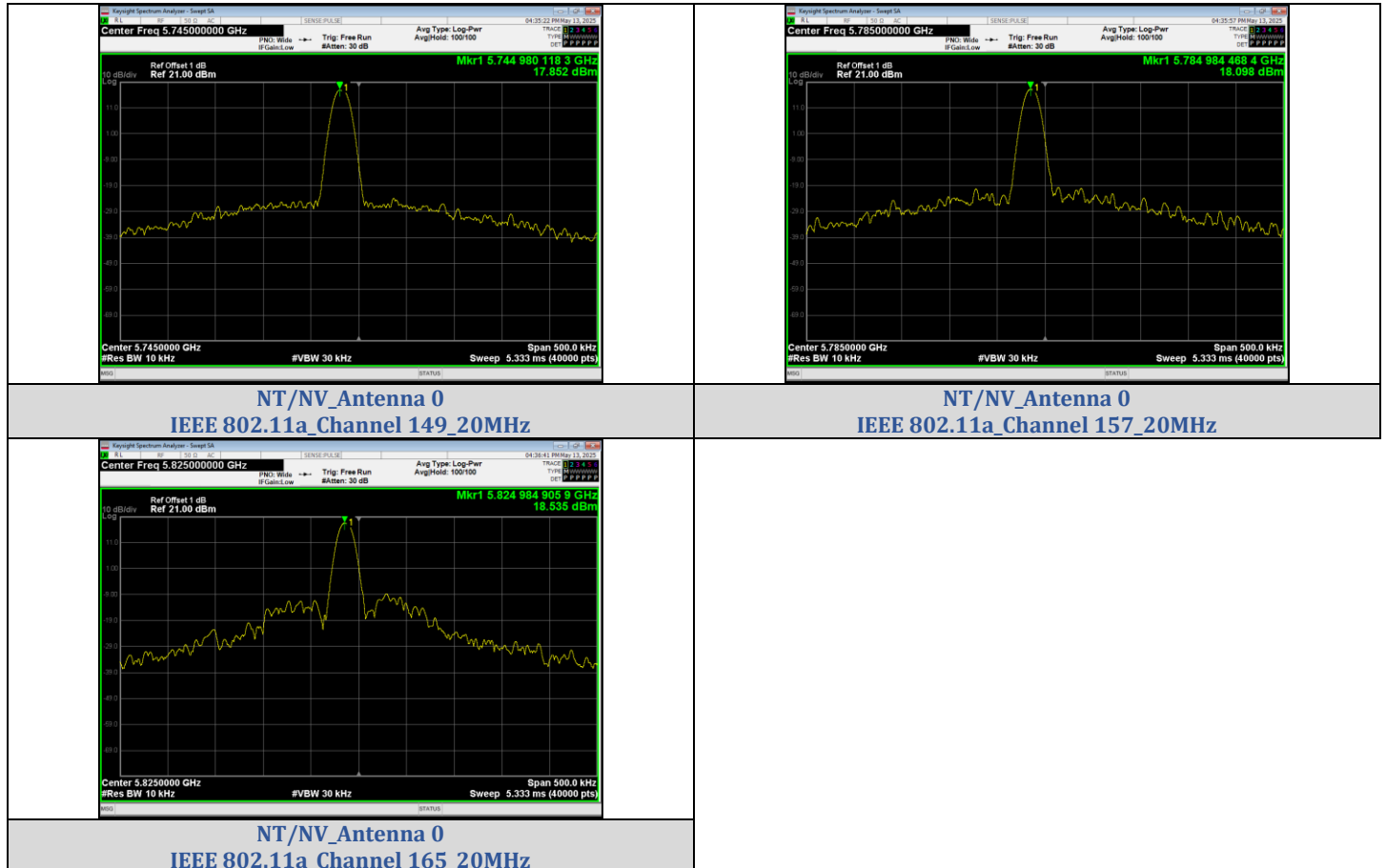
Test Result

Condition	Mode	Ch.	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	149	5745.0	5744.980118	-3.46	Within authorized band	PASS
		157	5785.0	5784.984468	-2.68		PASS
		165	5825.0	5824.984906	-2.59		PASS
	IEEE 802.11n_20	149	5745.0	5744.986468	-2.36		PASS
		157	5785.0	5784.989968	-1.73		PASS
		165	5825.0	5824.994181	-1.0		PASS
	IEEE 802.11n_40	151	5755.0	5754.988581	-1.98		PASS
		159	5795.0	5794.994344	-0.98		PASS

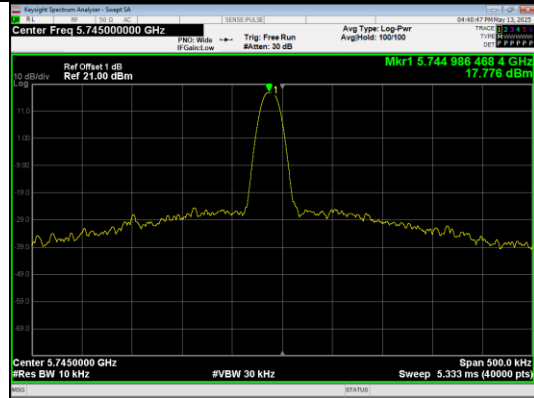
Test Graphs

NT/NV

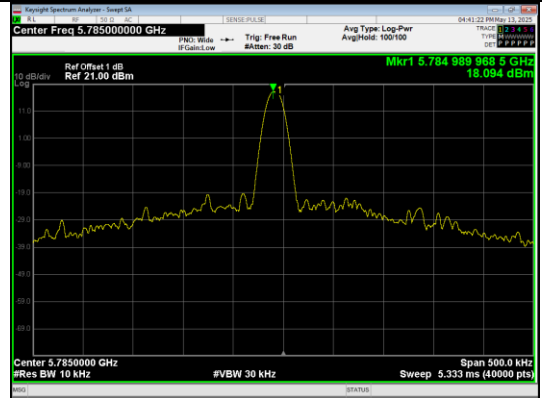
IEEE 802.11a



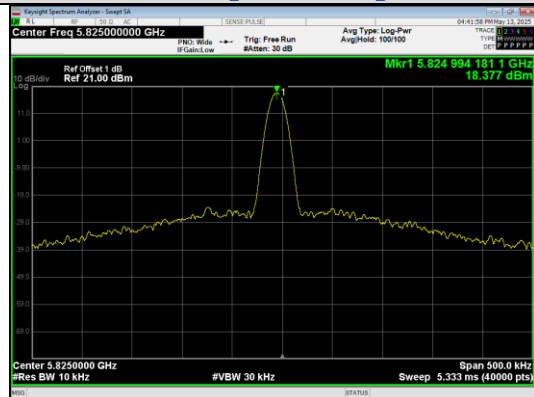
IEEE 802.11n_20



NT/NV_Antenna 0
IEEE 802.11n_Channel 149_20MHz



NT/NV_Antenna 0
IEEE 802.11n_Channel 157_20MHz



NT/NV_Antenna 0
IEEE 802.11n_Channel 165_20MHz

IEEE 802.11n_40



NT/NV_Antenna 0
IEEE 802.11n_Channel 151_40MHz



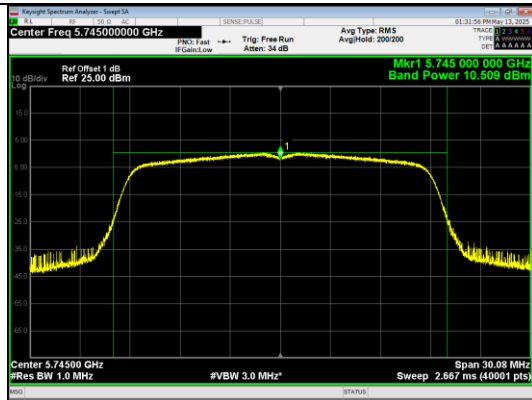
NT/NV_Antenna 0
IEEE 802.11n_Channel 159_40MHz



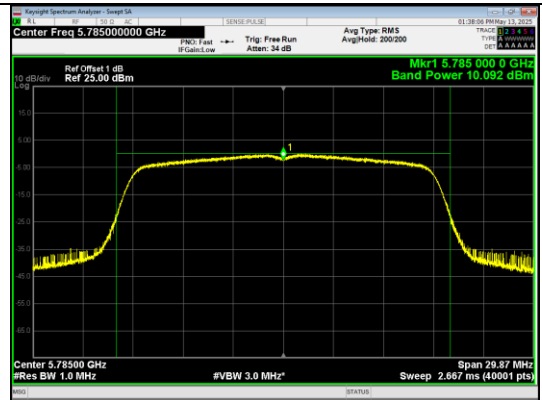
Conducted Output Power

Conducted output power

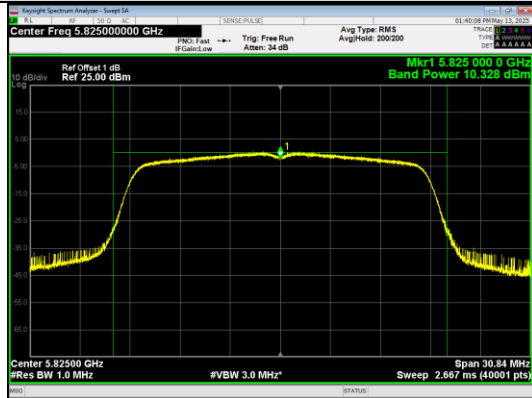
Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	10.509	10.65	≤30	PASS
	157	10.092	10.23	≤30	PASS
	165	10.328	10.47	≤30	PASS
IEEE 802.11n_20	149	9.747	9.89	≤30	PASS
	157	10.160	10.3	≤30	PASS
	165	10.458	10.6	≤30	PASS
IEEE 802.11n_40	151	9.559	9.84	≤30	PASS
	159	10.026	10.31	≤30	PASS



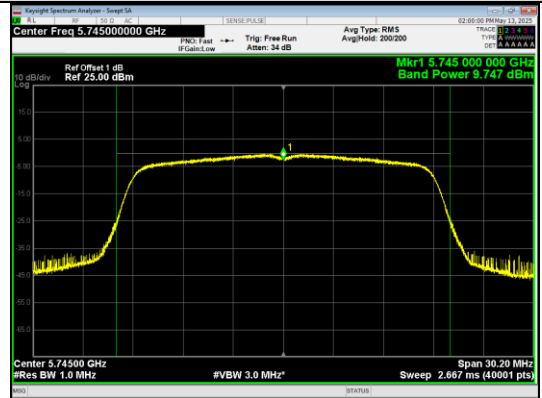
Conducted AVG output power
IEEE 802.11a_Channel 149_Antenna 0



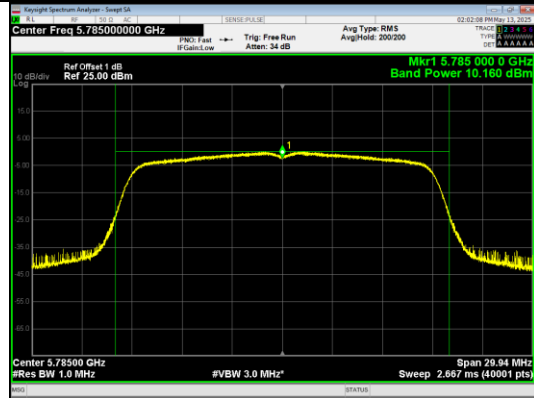
Conducted AVG output power
IEEE 802.11a_Channel 157_Antenna 0



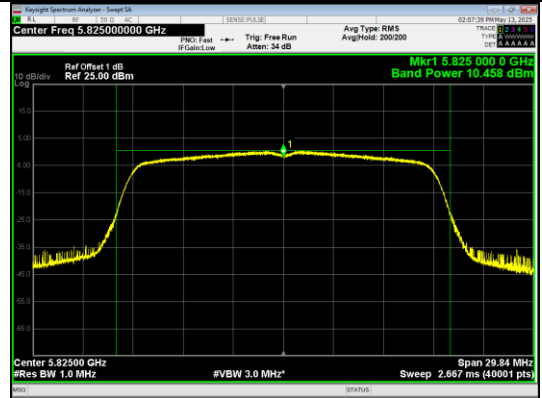
Conducted AVG output power
IEEE 802.11a_Channel 165_Antenna 0



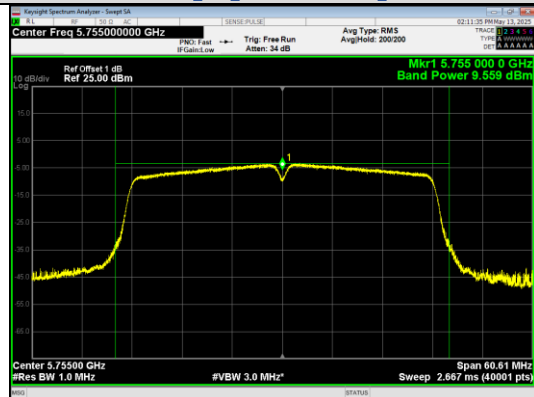
Conducted AVG output power
IEEE 802.11n_20_Channel 149_Antenna 0



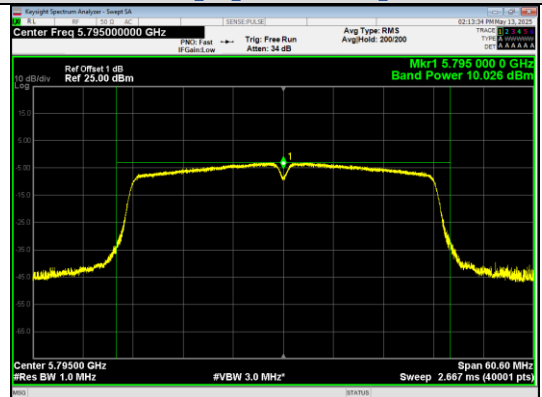
Conducted AVG output power
IEEE 802.11n_20_Channel 157_Antenna 0



Conducted AVG output power
IEEE 802.11n_20_Channel 165_Antenna 0



Conducted AVG output power
IEEE 802.11n_40_Channel 151_Antenna 0



Conducted AVG output power
IEEE 802.11n_40_Channel 159_Antenna 0

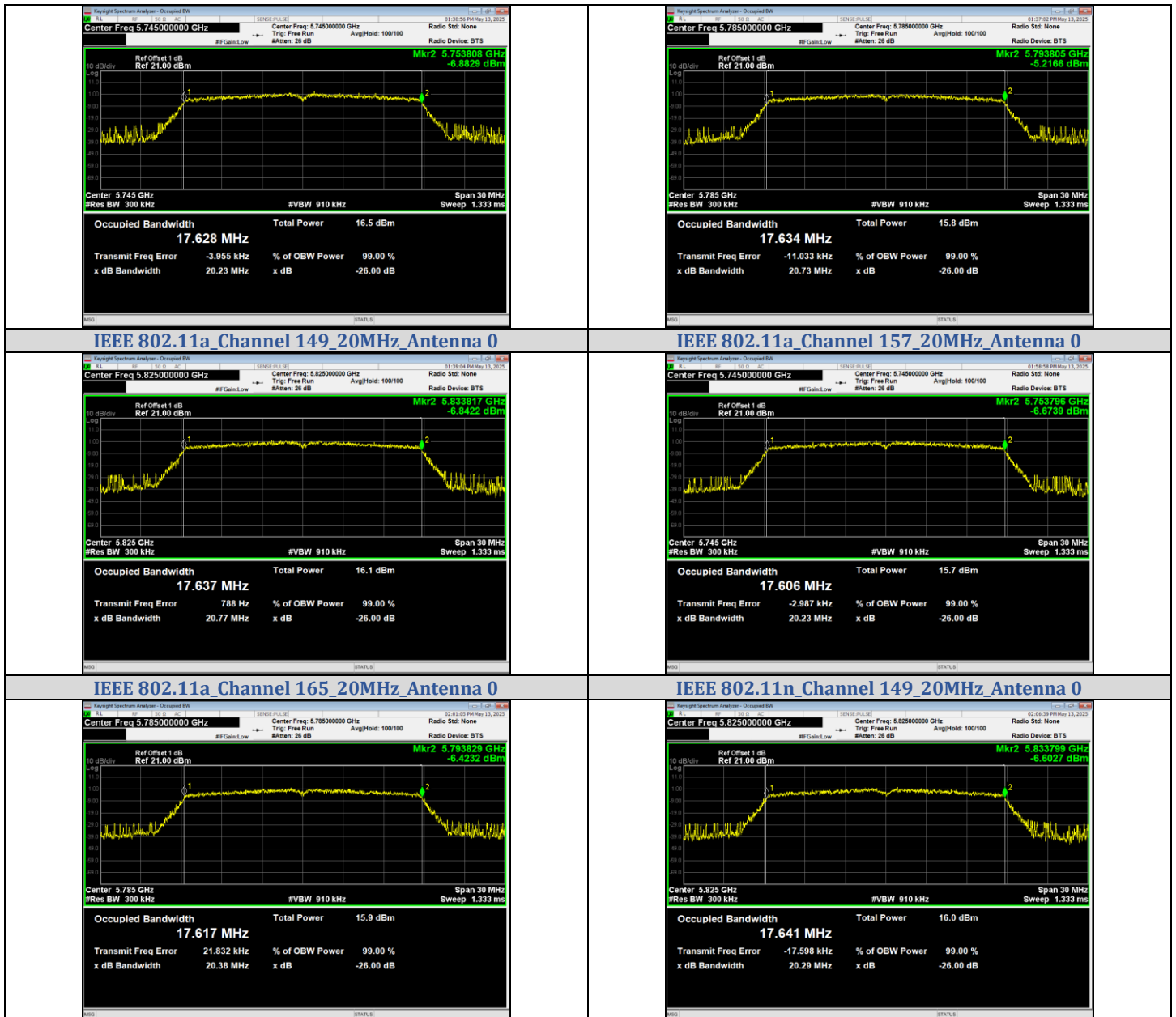


99% Bandwidth

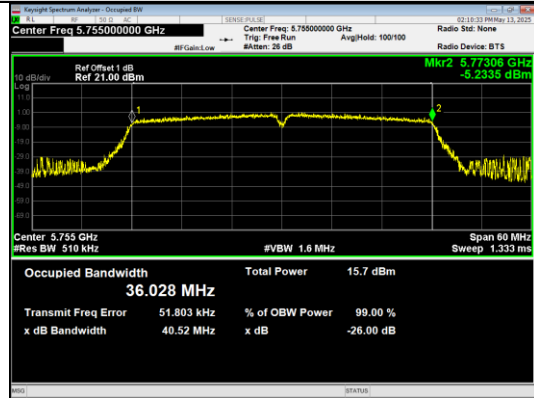
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	0	5745	17.628
	157		5785	17.634
	165		5825	17.637
IEEE 802.11n_20	149		5745	17.606
	157		5785	17.617
	165		5825	17.641
IEEE 802.11n_40	151		5755	36.028
	159		5795	36.004

Test Graphs

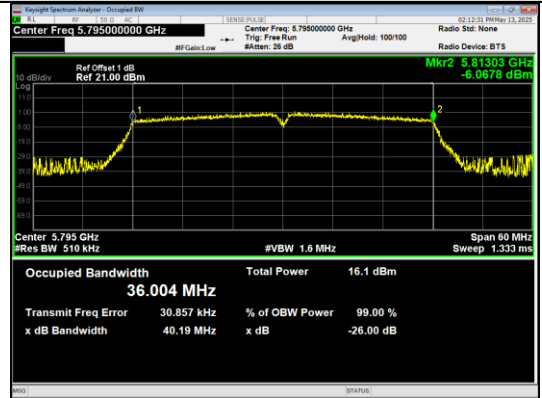


IEEE 802.11n_Channel 157_20MHz_Antenna 0



IEEE 802.11n_Channel 151_40MHz_Antenna 0

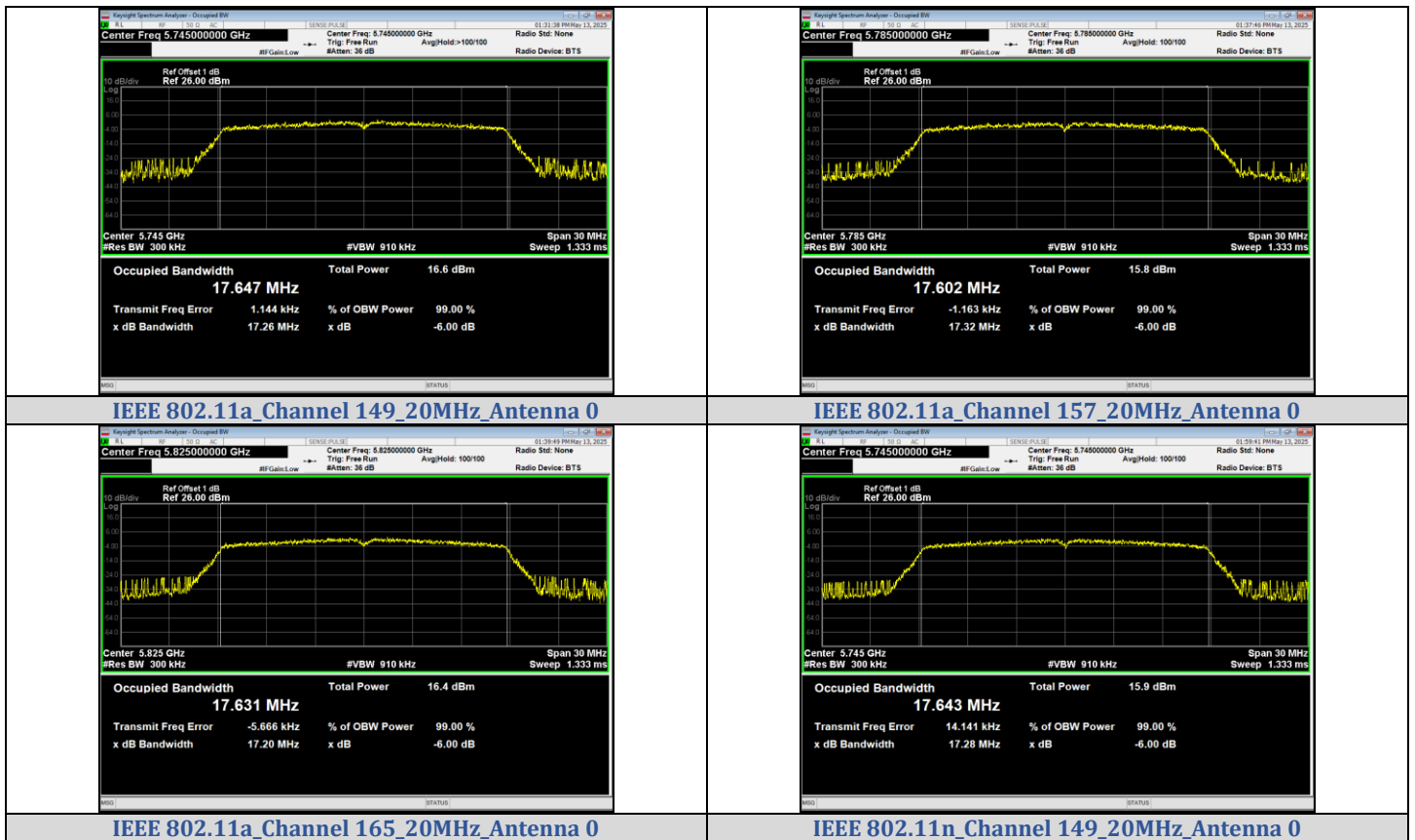
IEEE 802.11n_Channel 165_20MHz_Antenna 0

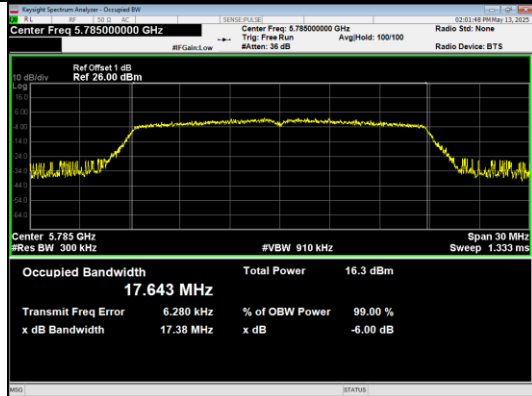


IEEE 802.11n_Channel 159_40MHz_Antenna 0

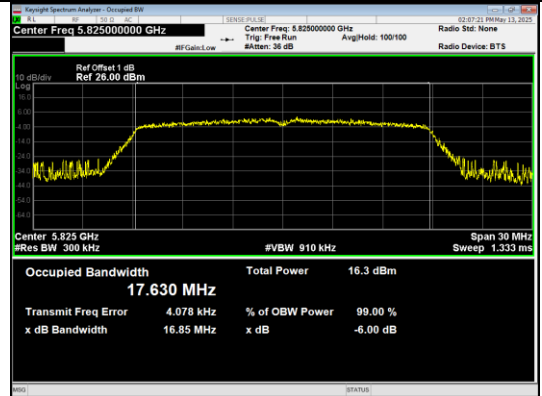
**6dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	17.26	≥0.5	PASS
	157		5785	17.32		PASS
	165		5825	17.20		PASS
IEEE 802.11n_20	149		5745	17.28		PASS
	157		5785	17.38		PASS
	165		5825	16.85		PASS
IEEE 802.11n_40	151		5755	35.47		PASS
	159		5795	35.01		PASS

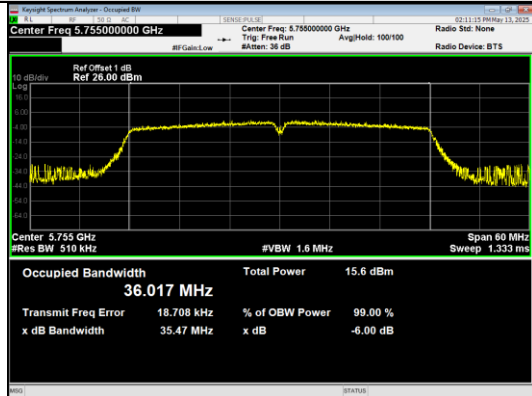
Test Graphs



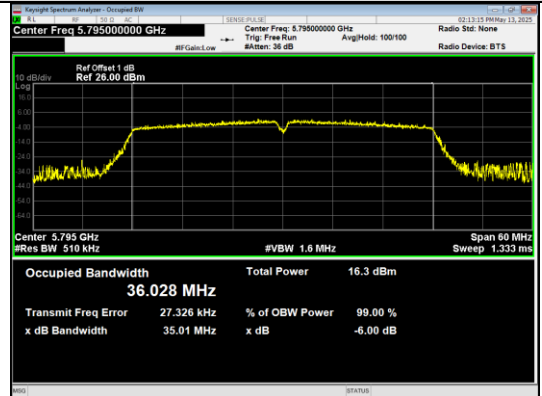
IEEE 802.11n_Channel 157_20MHz_Antenna 0



IEEE 802.11n_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 151_40MHz_Antenna 0



IEEE 802.11n_Channel 159_40MHz_Antenna 0

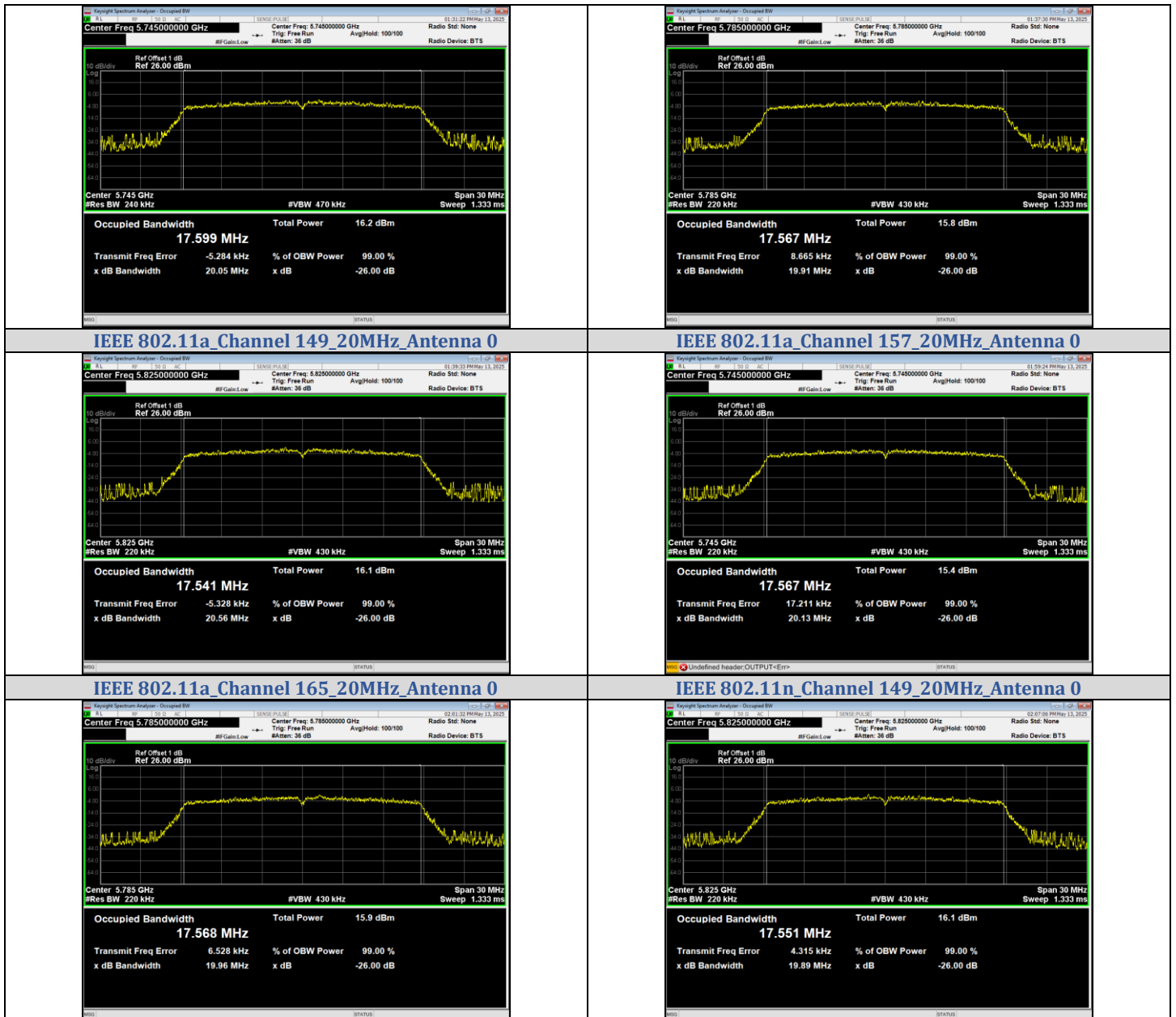


26dB Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	0	5745	20.05	1.18
	157		5785	19.91	1.13
	165		5825	20.56	1.09
IEEE 802.11n_20	149		5745	20.13	1.1
	157		5785	19.96	1.12
	165		5825	19.89	1.12
IEEE 802.11n_40	151		5755	40.41	1.06
	159		5795	40.40	1.05

Test Graphs





IEEE 802.11n_Channel 157_20MHz_Antenna 0

Center Freq 5.755000000 GHz

Ref Offset 1 dB
Ref 26.00 dBm

Center 5.755 GHz
#Res BW 430 kHz

Span 60 MHz
#VBW 820 kHz
Sweep 1.333 ms

Occupied Bandwidth	Total Power	15.5 dBm
35.970 MHz		
Transmit Freq Error	% of OBW Power	99.00 %
44.151 kHz		
x dB Bandwidth	x dB	-26.00 dB
40.41 MHz		

IEEE 802.11n_Channel 151_40MHz_Antenna 0

IEEE 802.11n_Channel 165_20MHz_Antenna 0

Center Freq 5.795000000 GHz

Ref Offset 1 dB
Ref 26.00 dBm

Center 5.795 GHz
#Res BW 430 kHz

Span 60 MHz
#VBW 820 kHz
Sweep 1.333 ms

Occupied Bandwidth	Total Power	15.8 dBm
35.959 MHz		
Transmit Freq Error	% of OBW Power	99.00 %
31.736 kHz		
x dB Bandwidth	x dB	-26.00 dB
40.40 MHz		

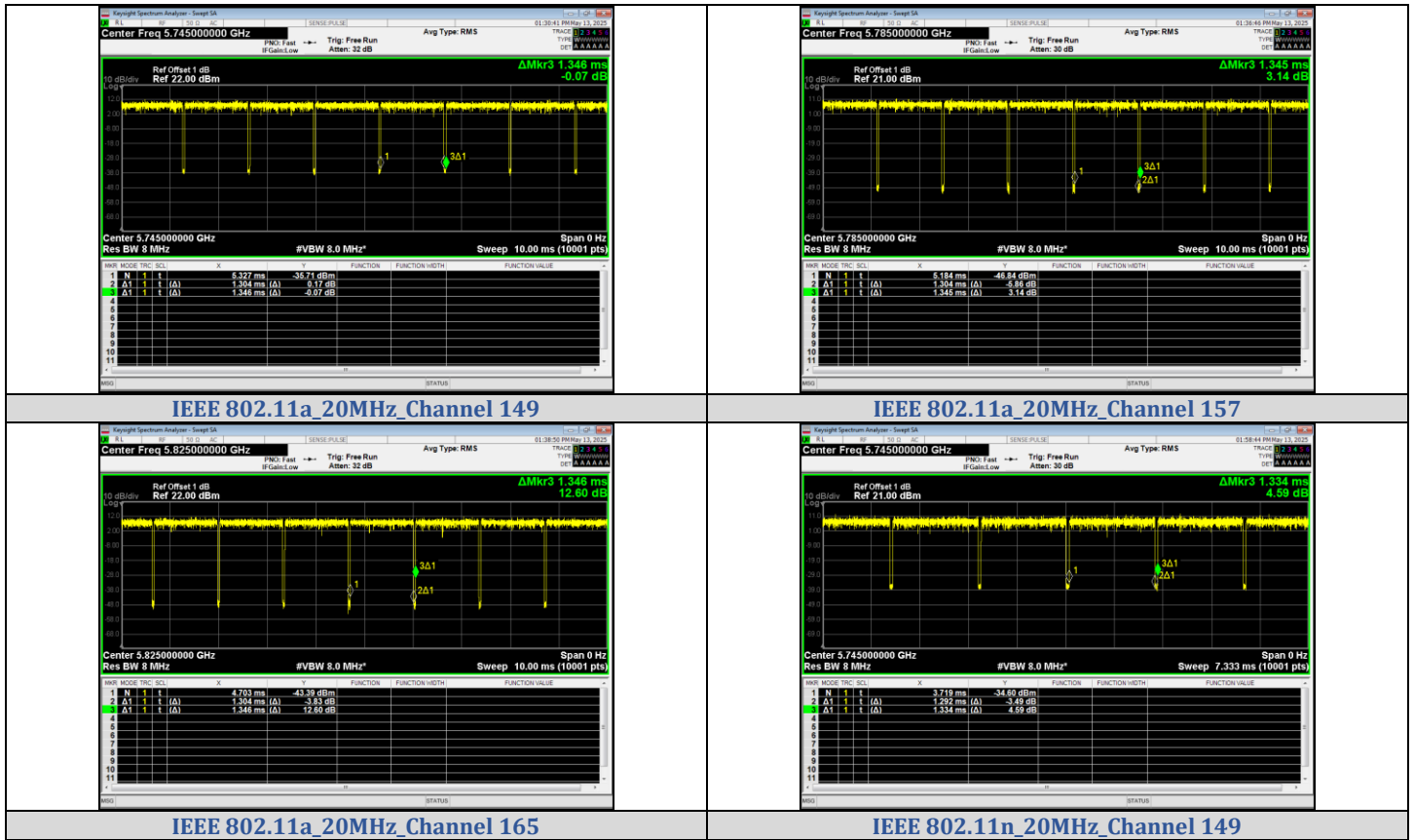
IEEE 802.11n_Channel 159_40MHz_Antenna 0

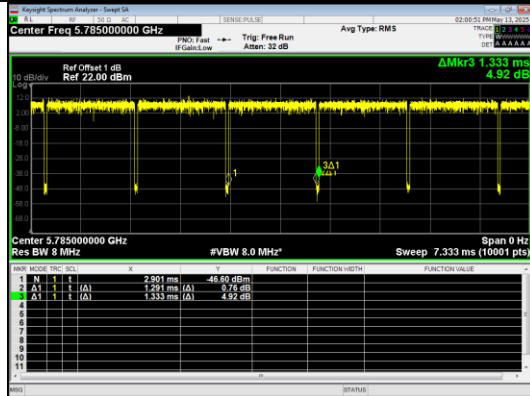


Duty Cycle Test Result

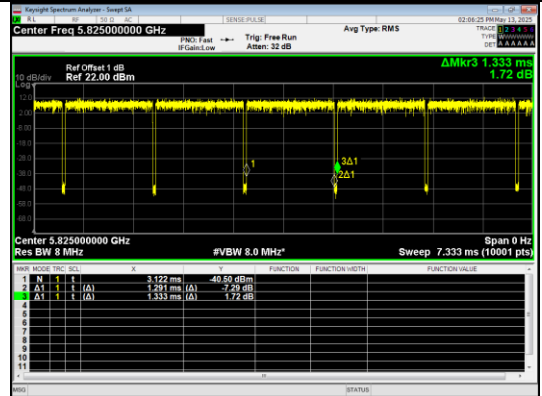
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	149	1	1.304	1.346	96.88	0.9688	0.1377	0.7669
		157		1.304	1.345	96.95	0.9695	0.1345	0.7669
		165		1.304	1.346	96.88	0.9688	0.1377	0.7669
IEEE 802.11n_20	MCS 0	149		1.292	1.334	96.83	0.9683	0.1399	0.7740
		157		1.291	1.333	96.83	0.9683	0.1399	0.7746
		165		1.291	1.333	96.82	0.9682	0.1403	0.7746
IEEE 802.11n_40		151		0.638	0.680	93.75	0.9375	0.2803	1.5674
		159		0.638	0.681	93.75	0.9375	0.2803	1.5674

Test Graphs

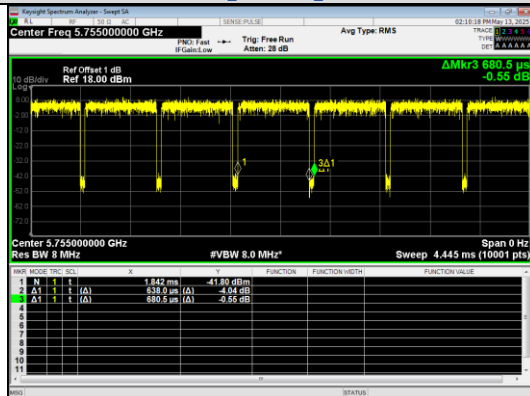




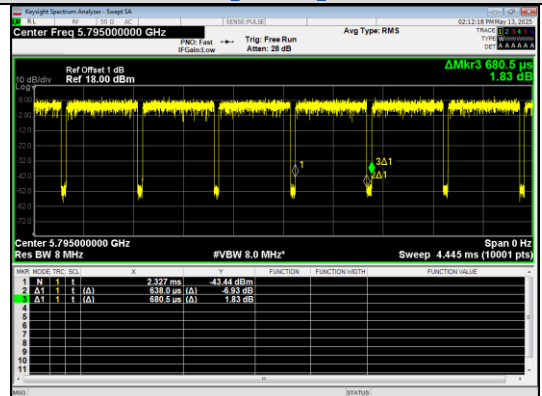
IEEE 802.11n 20MHz_Channel 157



IEEE 802.11n 20MHz_Channel 165



IEEE 802.11n 40MHz_Channel 151



IEEE 802.11n 40MHz_Channel 159

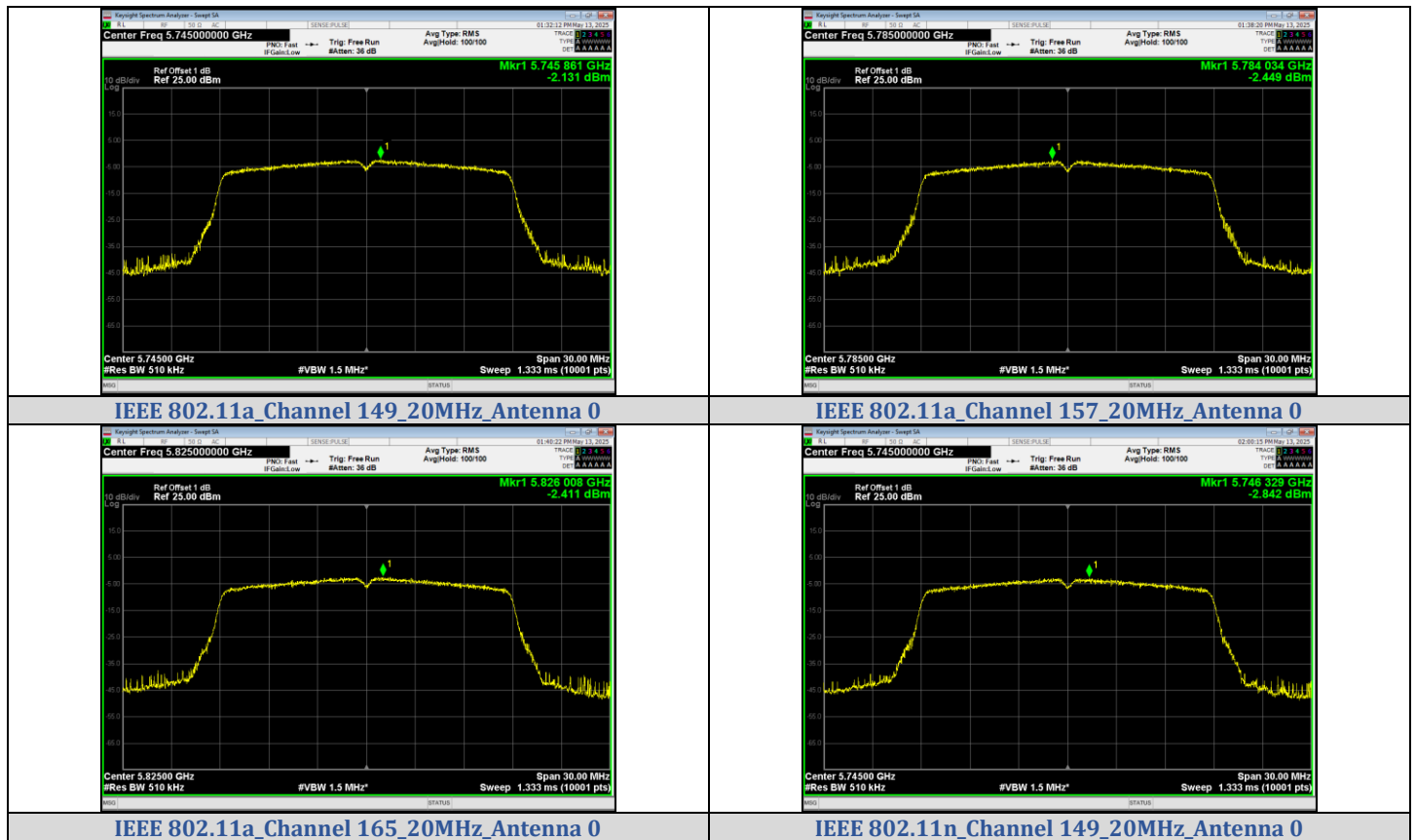


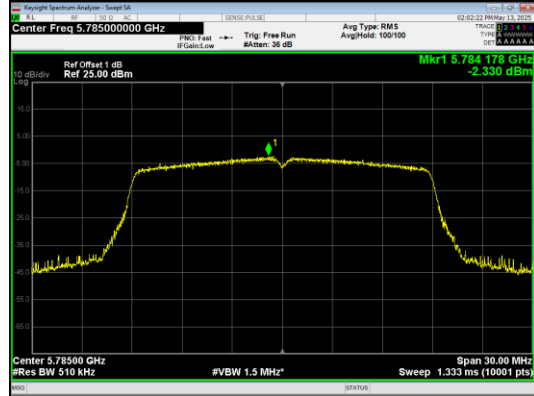
Peak Power Spectral Density

Test Result

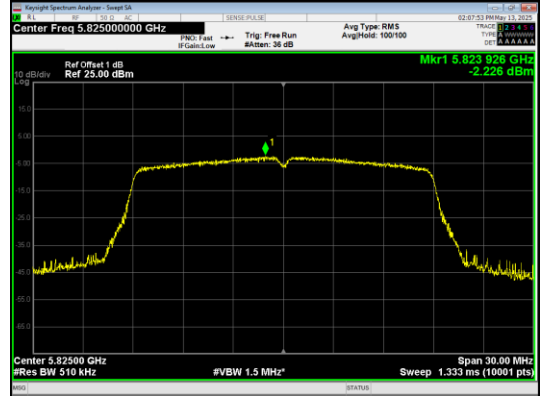
Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	149	-2.131	-1.993	30	PASS
	157	-2.449	-2.311		PASS
	165	-2.411	-2.273		PASS
IEEE 802.11n_20	149	-2.842	-2.702		PASS
	157	-2.330	-2.19		PASS
	165	-2.226	-2.086		PASS
IEEE 802.11n_40	151	-5.897	-5.617		PASS
	159	-5.050	-4.77		PASS

Test Graphs

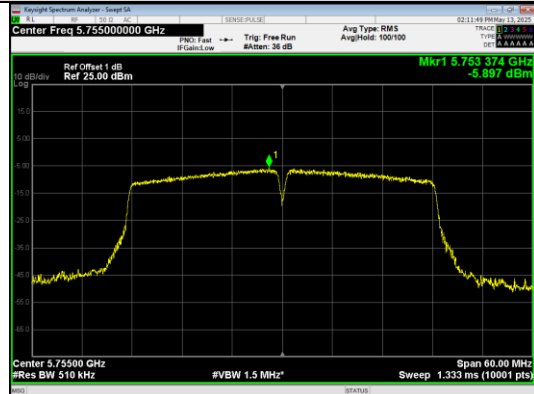




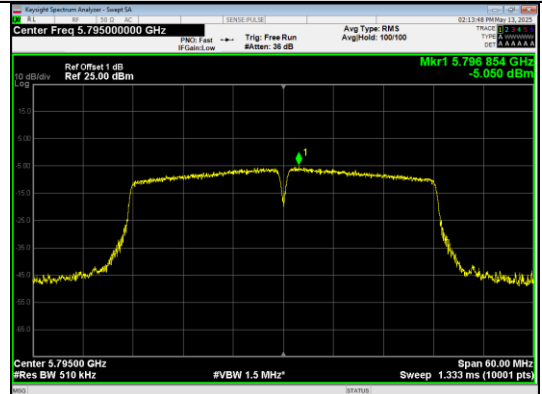
IEEE 802.11n_Channel 157_20MHz_Antenna 0



IEEE 802.11n_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 151_40MHz_Antenna 0



IEEE 802.11n_Channel 159_40MHz_Antenna 0