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Peak	Level (dBuV/m) Date: 2025-12-12 PEAK_BE(UNII)_6E Site : 03CH23-HY Condition: PEAK_BE(UNII)_6E 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>7137.16</td><td>59.80</td><td>88.20 -28.40</td><td>42.24</td><td>36.67</td><td>12.61</td><td>35.53</td><td>3.81</td><td>396 109 Peak</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	7137.16	59.80	88.20 -28.40	42.24	36.67	12.61	35.53	3.81	396 109 Peak	Level (dBuV/m) Date: 2025-12-12 PEAK(UNII)_6E Site : 03CH23-HY Condition: PEAK(UNII)_6E 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>6985.00</td><td>97.73</td><td>-----</td><td>80.19</td><td>36.77</td><td>12.45</td><td>35.40</td><td>3.72</td><td>396 109 Peak</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	6985.00	97.73	-----	80.19	36.77	12.45	35.40	3.72	396 109 Peak
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																
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Avg	Level (dBuV/m) Date: 2025-12-12 AVG_BE(UNII)_6E Site : 03CH23-HY Condition: AVG_BE(UNII)_6E 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3.600kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>7136.44</td><td>50.84</td><td>68.20 -17.36</td><td>33.28</td><td>36.67</td><td>12.61</td><td>35.53</td><td>3.81</td><td>396 109 Average</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	7136.44	50.84	68.20 -17.36	33.28	36.67	12.61	35.53	3.81	396 109 Average	Level (dBuV/m) Date: 2025-12-12 AVG(UNII)_6E Site : 03CH23-HY Condition: AVG(UNII)_6E 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3.600kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>6985.00</td><td>89.92</td><td>-----</td><td>72.38</td><td>36.77</td><td>12.45</td><td>35.40</td><td>3.72</td><td>396 109 Average</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	6985.00	89.92	-----	72.38	36.77	12.45	35.40	3.72	396 109 Average
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																
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Mode	56																																																																																											
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ANT	1 + 2																																																																																											
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Peak	Level (dBuV/m) Date: 2025-12-12 Site : 03CH23-HY Condition: PEAK_BE(UNII)_6E 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>7137.40</td><td>59.45</td><td>88.20 -28.75</td><td>41.89</td><td>36.67</td><td>12.61</td><td>35.53</td><td>3.81</td><td>284</td><td>206 Peak</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level	Factor	Loss Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	7137.40	59.45	88.20 -28.75	41.89	36.67	12.61	35.53	3.81	284	206 Peak	Level (dBuV/m) Date: 2025-12-12 Site : 03CH23-HY Condition: PEAK(UNII)_6E 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>6985.00</td><td>96.42</td><td>-----</td><td>78.86</td><td>36.80</td><td>12.45</td><td>35.42</td><td>3.73</td><td>284</td><td>206 Peak</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level	Factor	Loss Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	6985.00	96.42	-----	78.86	36.80	12.45	35.42	3.73	284	206 Peak
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Mode	56																																																																																																
	Harmonic																																																																																																
	U-NII-8_6.875-7.125_802.11ax HE160_CH207_6985MHz																																																																																																
ANT	1 + 2																																																																																																
Pol.	Horizontal						Vertical																																																																																										
Peak Avg	Level (dBuV/m) Date: 2025-12-21 PEAK(UNII)_6E AVG(UNII)_6E 180002240026800312003560040000 Frequency (MHz) Site : 03CH23-HY Condition: PEAK(UNII)_6E 1m BBHA9170_1225_250702 HORIZONTAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>20955.00</td><td>39.04</td><td>74.00</td><td>-34.96</td><td>53.85</td><td>38.10</td><td>19.97</td><td>63.34</td><td>-9.54</td><td>--</td><td>Peak</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	20955.00	39.04	74.00	-34.96	53.85	38.10	19.97	63.34	-9.54	--	Peak	Level (dBuV/m) Date: 2025-12-21 PEAK(UNII)_6E AVG(UNII)_6E 180002240026800312003560040000 Frequency (MHz) Site : 03CH23-HY Condition: PEAK(UNII)_6E 1m BBHA9170_1225_250702 VERTICAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>20955.00</td><td>39.32</td><td>74.00</td><td>-34.68</td><td>54.13</td><td>38.10</td><td>19.97</td><td>63.34</td><td>-9.54</td><td>--</td><td>Peak</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	20955.00	39.32	74.00	-34.68	54.13	38.10	19.97	63.34	-9.54	--	Peak
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Mode	56	
	Harmonic	
	U-NII-8_6.875-7.125_802.11ax HE160_CH207_6985MHz	
ANT	1 + 2	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	Level (dBuV/m) Date: 2025-12-20 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 10600 12080 13560 15040 16520 18000 Frequency (MHz) Site : 03CH23-HY Condition: AVG(UNII)_6E 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	Level (dBuV/m) Date: 2025-12-20 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 10600 12080 13560 15040 16520 18000 Frequency (MHz) Site : 03CH23-HY Condition: AVG(UNII)_6E 3m DRH18-E_LE2C05A18EN_250702 VERTICAL



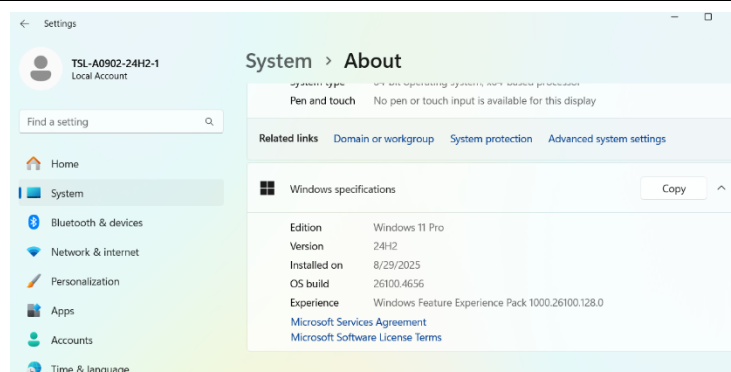
Mode	57											
	LF											
	U-NII-8_6.875-7.125_802.11a_CH233_7115MHz											
ANT	1 + 2											
Pol.	Horizontal						Vertical					
QP/ Peak												



Mode	58																																																																																					
	SHF																																																																																					
	U-NII-8_6.875-7.125_802.11a_CH233_7115MHz																																																																																					
ANT	1 + 2																																																																																					
Pol.	Horizontal	Vertical																																																																																				
Peak	Level (dBuV/m) Date: 2025-12-21 PEAK(UWII)_6E AVG(UWII)_6E Site : 03CH23-HY Condition: PEAK(UWII)_6E 1m BBHA9170_1225_250702 HORIZONTAL <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>39468.68</td><td>46.85</td><td>74.00</td><td>-27.15</td><td>44.39</td><td>46.13</td><td>28.73</td><td>62.86</td><td>-9.54</td><td>--</td><td>PEAK</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	39468.68	46.85	74.00	-27.15	44.39	46.13	28.73	62.86	-9.54	--	PEAK	Level (dBuV/m) Date: 2025-12-21 PEAK(UWII)_6E AVG(UWII)_6E Site : 03CH23-HY Condition: PEAK(UWII)_6E 1m BBHA9170_1225_250702 VERTICAL <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>39714.21</td><td>46.26</td><td>74.00</td><td>-27.74</td><td>44.56</td><td>45.74</td><td>28.83</td><td>63.33</td><td>-9.54</td><td>--</td><td>PEAK</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	39714.21	46.26	74.00	-27.74	44.56	45.74	28.83	63.33	-9.54	--	PEAK
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																													
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor																																																																														
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																												
1	39468.68	46.85	74.00	-27.15	44.39	46.13	28.73	62.86	-9.54	--	PEAK																																																																											
Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																														
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor																																																																														
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																												
1	39714.21	46.26	74.00	-27.74	44.56	45.74	28.83	63.33	-9.54	--	PEAK																																																																											

Appendix D. Contention Based Protocol Test Result

EUT Information

Test Date	2025/11/27
Test Engineer	Ivy Yeh
Project Number	5N0519
Model Name	LG TSL_16U
Antenna Gain	<UNII-5>: 4.35 dBi <UNII-6>: 3.85 dBi <UNII-7>: 4.30 dBi <UNII-8>: 2.72 dBi
Temperature	20.2~23.1℃
Humidity	48.3~55.3%
IMEI/SN	
HW	
SW	

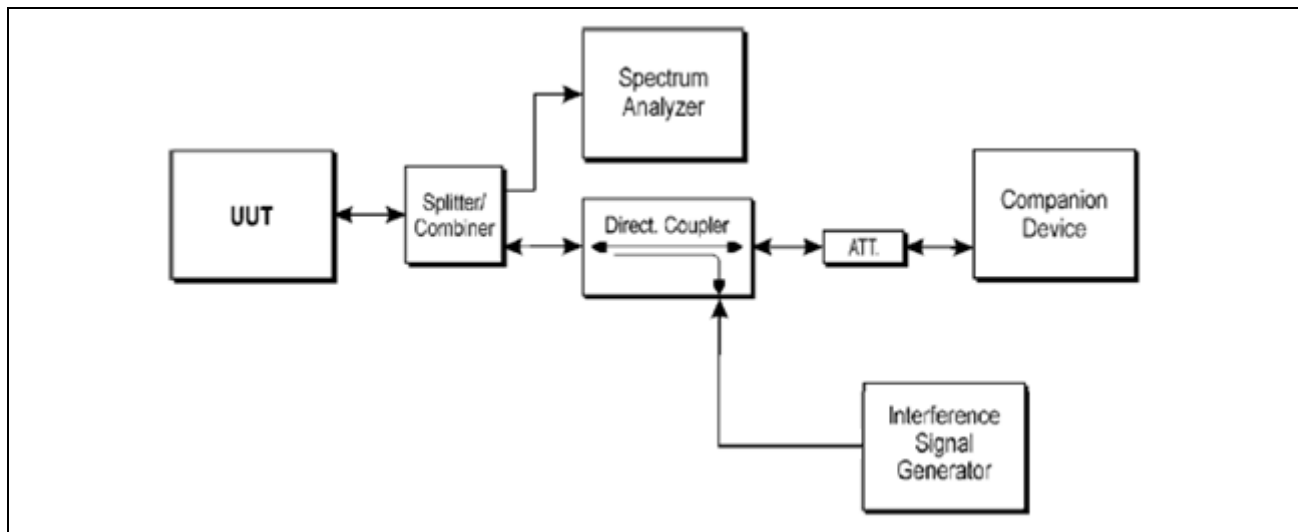
Measurement Instruments

Instrument	Manufacturer	Model No.	Characteristics
Signal Generator	Rohde & Schwarz	SMW200A	100KHz~7.5GHz
Spectrum Analyzer	Rohde & Schwarz	FSV3013	10Hz~13.6GHz
Companion Device (AP)	TP-LINK	Archer BE800	Tri-Band Wi-Fi 7 Router
Terminal (NB Server)	DELL	Latitude 3400	LAN

Measurement Software

Software	Description
Iperf	Build-in

Test Setup Configuration





D.1 Test Summary of Contention Based Protocol Test

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 5	6135	20	6135	-62.84	100	-62	-67.19	5.19
					Result: Stop Transmission			
				-70.84	< 90	-62	-75.19	13.19
					Result: Minimal Operation			
				-71.84	0	-62	-76.19	14.19
					Result: Normal Operation			
	6185	160	6110	-57.87	100	-62	-62.22	0.22
					Result: Stop Transmission			
				-68.87	< 90	-62	-73.22	11.22
					Result: Minimal Operation			
				-69.87	0	-62	-74.22	12.22
					Result: Normal Operation			
			6185	-58.29	100	-62	-62.64	0.64
					Result: Stop Transmission			
				-68.29	< 90	-62	-72.64	10.64
					Result: Minimal Operation			
				-69.29	0	-62	-73.64	11.64
					Result: Normal Operation			
			6260	-61.18	100	-62	-65.53	3.53
					Result: Stop Transmission			
				-73.18	< 90	-62	-77.53	15.53
					Result: Minimal Operation			
				-74.18	0	-62	-78.53	16.53
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (4.35 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 6	6455	20	6455	-63.37	100	-62	-67.22	5.22
				Result: Stop Transmission				
				-68.37	< 90	-62	-72.22	10.22
				Result: Minimal Operation				
				-69.37	0	-62	-73.22	11.22
				Result: Normal Operation				
	6505	160	6430	-64.5	100	-62	-68.35	6.35
				Result: Stop Transmission				
				-69.50	< 90	-62	-73.35	11.35
				Result: Minimal Operation				
				-70.50	0	-62	-74.35	12.35
				Result: Normal Operation				
			6505	-62.46	100	-62	-66.31	4.31
				Result: Stop Transmission				
				-69.46	< 90	-62	-73.31	11.31
				Result: Minimal Operation				
				-70.46	0	-62	-74.31	12.31
				Result: Normal Operation				
			6580	-66.46	100	-62	-70.31	8.31
				Result: Stop Transmission				
				-73.46	< 90	-62	-77.31	15.31
				Result: Minimal Operation				
				-74.46	0	-62	-78.31	16.31
				Result: Normal Operation				

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.85 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 7	6695	20	6695	-64.06	100	-62	-68.36	6.36
				Result: Stop Transmission				
				-69.06	< 90	-62	-73.36	11.36
				Result: Minimal Operation				
				-70.06	0	-62	-74.36	12.36
				Result: Normal Operation				
	6665	160	6590	-59.33	100	-62	-63.63	1.63
				Result: Stop Transmission				
				-76.33	< 90	-62	-80.63	18.63
				Result: Minimal Operation				
				-77.33	0	-62	-81.63	19.63
				Result: Normal Operation				
			6665	-57.99	100	-62	-62.29	0.29
				Result: Stop Transmission				
				-69.99	< 90	-62	-74.29	12.29
				Result: Minimal Operation				
				-70.99	0	-62	-75.29	13.29
				Result: Normal Operation				
			6740	-58.18	100	-62	-62.48	0.48
				Result: Stop Transmission				
				-76.18	< 90	-62	-80.48	18.48
				Result: Minimal Operation				
				-77.18	0	-62	-81.48	19.48
				Result: Normal Operation				

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (4.30 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 8	7015	20	7015	-62.76	100	-62	-65.48	3.48
					Result: Stop Transmission			
				-68.76	< 90	-62	-71.48	9.48
					Result: Minimal Operation			
				-69.76	0	-62	-72.48	10.48
					Result: Normal Operation			
	6985	160	6910	-65.84	100	-62	-68.56	6.56
					Result: Stop Transmission			
				-75.84	< 90	-62	-78.56	16.56
					Result: Minimal Operation			
				-76.84	0	-62	-79.56	17.56
					Result: Normal Operation			
			6985	-59.88	100	-62	-62.60	0.6
					Result: Stop Transmission			
				-69.88	< 90	-62	-72.60	10.60
					Result: Minimal Operation			
				-70.88	0	-62	-73.60	11.60
					Result: Normal Operation			
			7060	-60.81	100	-62	-63.53	1.53
					Result: Stop Transmission			
				-74.81	< 90	-62	-77.53	15.53
					Result: Minimal Operation			
				-75.81	0	-62	-78.53	16.53
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (2.72 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.

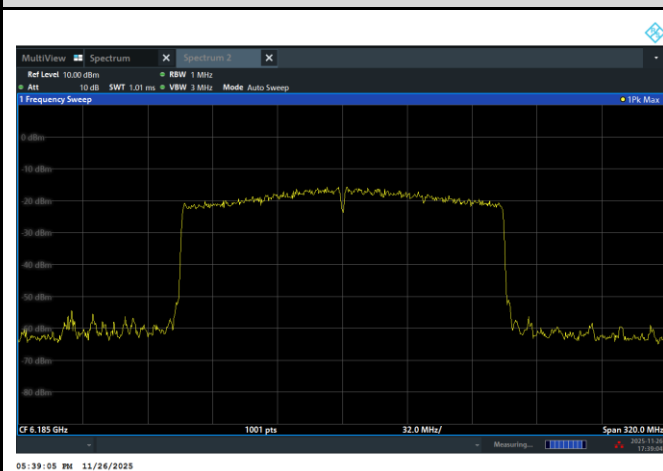
CBP verify with frequency domain plots

The device does not support channel puncturing with regards to Contention Based Protocol.

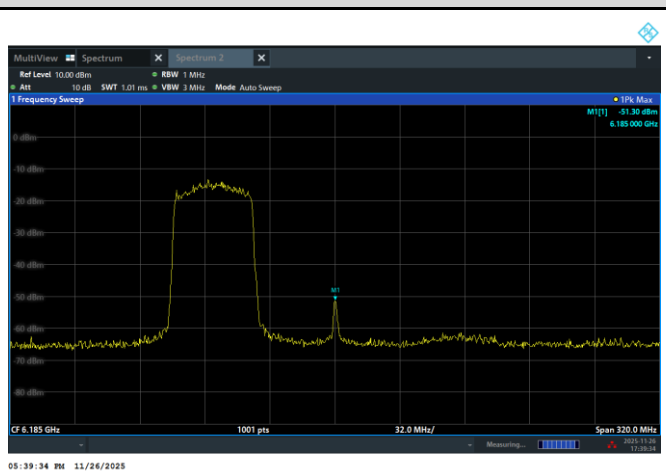
The entire bandwidth 160MHz stops transmission after the incumbent signal appears.

Otherwise, the entire 80MHz bandwidth is reduced to 20MHz or 40MHz.

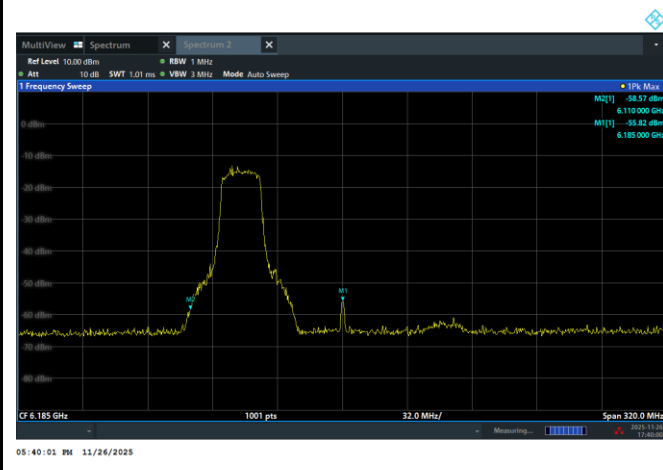
Before incumbent injected on 160MHz channel



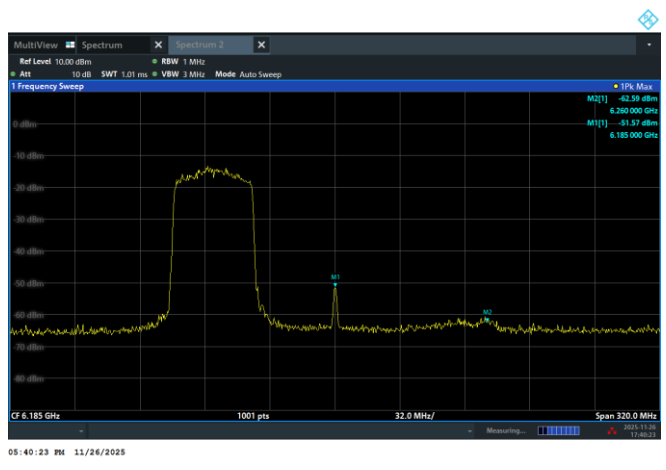
After 10MHz incumbent injected on center of channel, the EUT bandwidth is reduced from 160MHz to 40MHz channel.



After 10MHz incumbent injected on bottom of channel, 1. the EUT bandwidth is reduced from 160MHz to 20MHz channel.



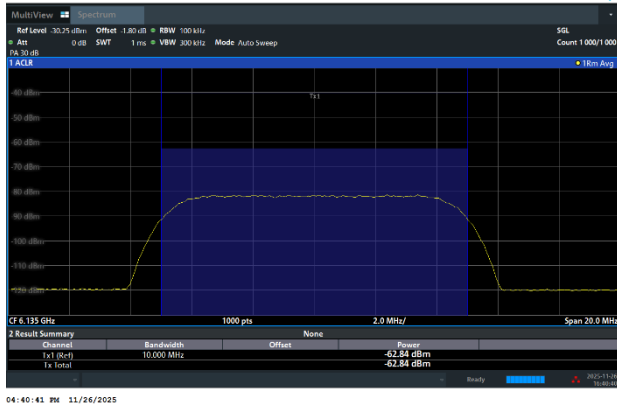
After 10MHz incumbent injected on top of channel, the 1. EUT bandwidth is reduced from 160MHz to 40MHz channel.



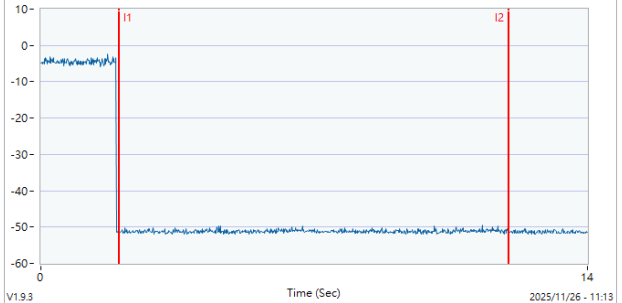
D.2 Test Plots of Contention Based Protocol Test
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

802.11ax (HE20) / 6135MHz
Threshold Level (TL) = -62.84dBm

802.11ax (HE20) / CH37
Test result is pass due to no transmission occur.

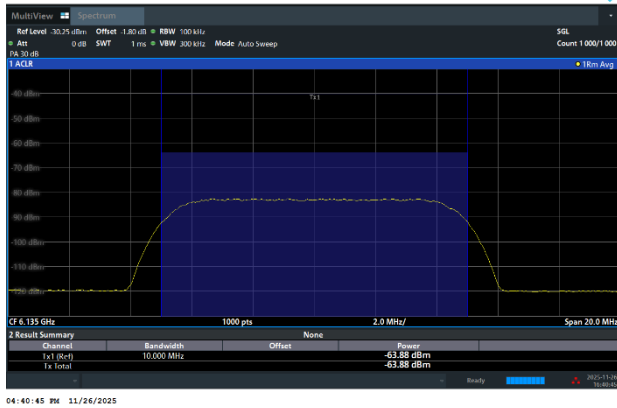

Contention Based Protocol - UNII 5, EUT-6135(BW20), SG-6135

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

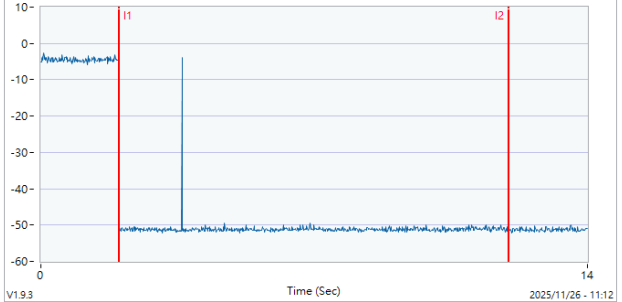


802.11ax (HE20) / 6135MHz
Threshold Level (TL) = -63.88dBm

802.11ax (HE20) / CH37
Transmit when the interferer is 1dB lower.


Contention Based Protocol - UNII 5, EUT-6135(BW20), SG-6135(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.





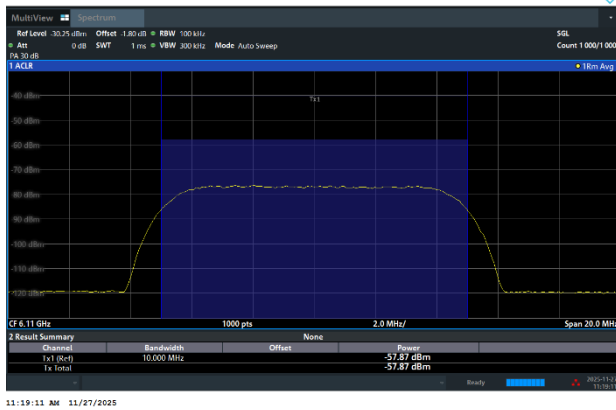
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

802.11ax (HE160) / 6110MHz (Lower edge)

Threshold Level (TL) = -57.87dBm

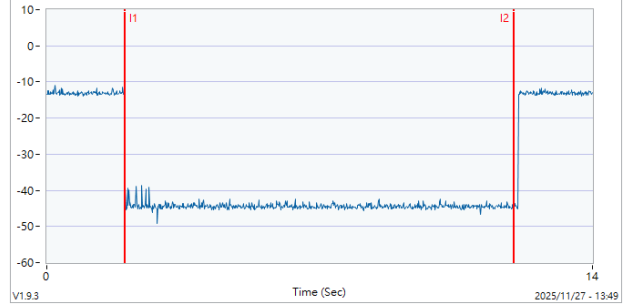
802.11ax (HE160) / CH47 (Lower edge)

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII 5, EUT-6185(BW160), SG-6110

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

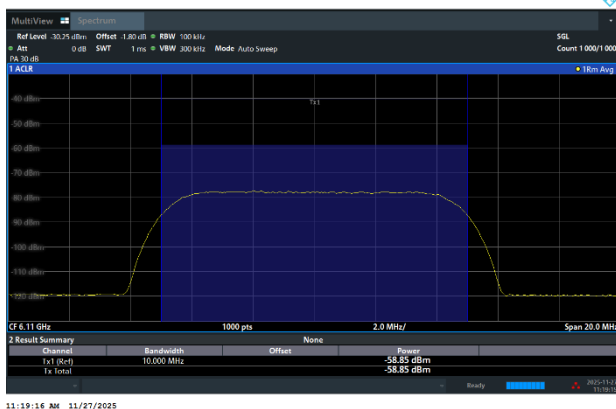


802.11ax (HE160) / 6110MHz (Lower edge)

Threshold Level (TL) = -58.85dBm

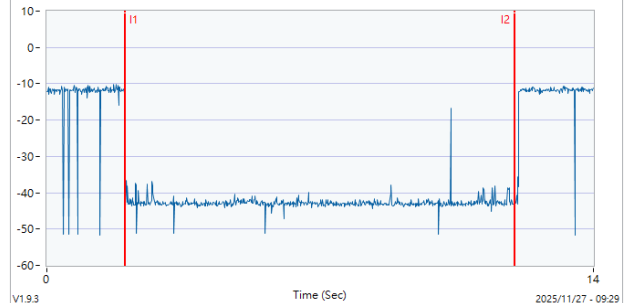
802.11ax (HE160) / CH47 (Lower edge)

Transmit when the interferer is 1dB lower.



Contention Based Protocol - UNII 5, EUT-6185(BW160), SG-6110(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



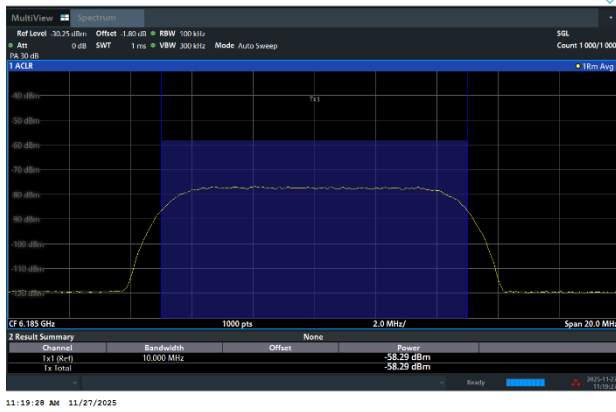


Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -58.29dBm

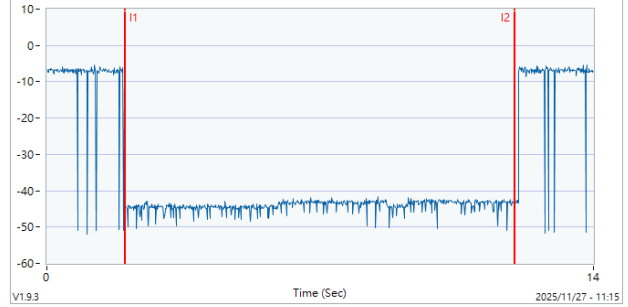
802.11ax (HE160) / CH47 (Middle)

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII 5, EUT-6185(BW160), SG-6185

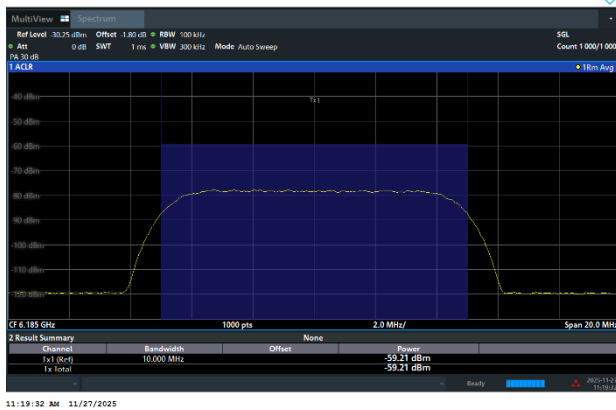
Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -59.21dBm

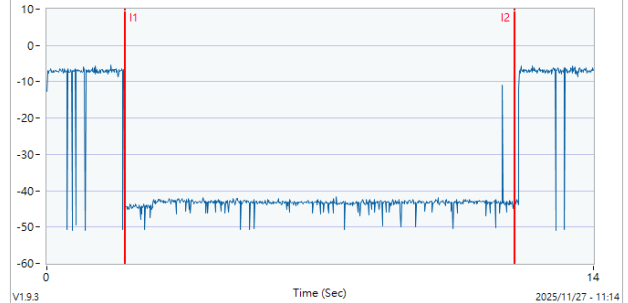
802.11ax (HE160) / CH47 (Middle)

Transmit when the interferer is 1dB lower.



Contention Based Protocol - UNII 5, EUT-6185(BW160), SG-6185(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

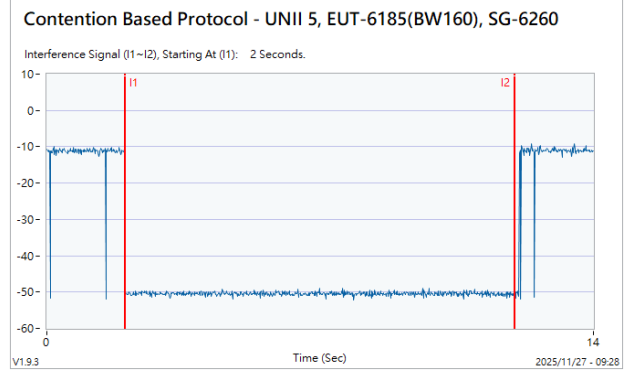
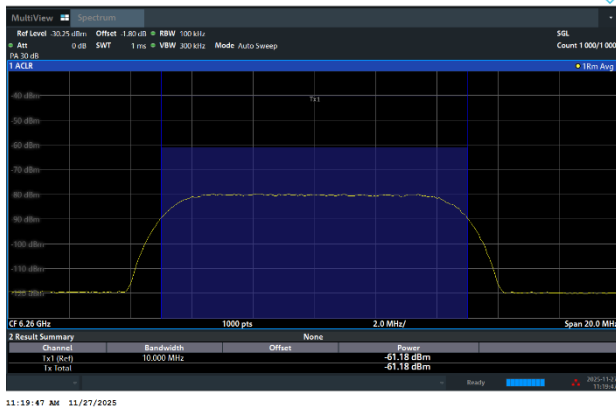




Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

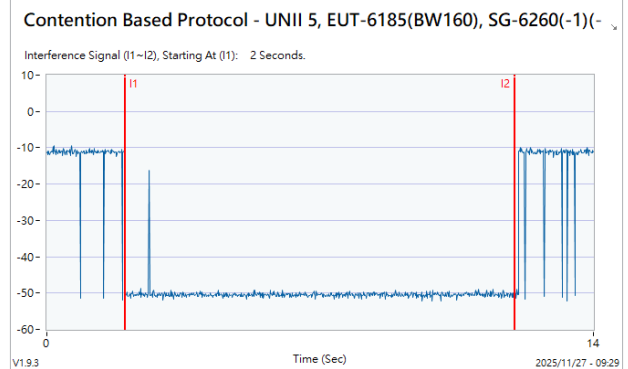
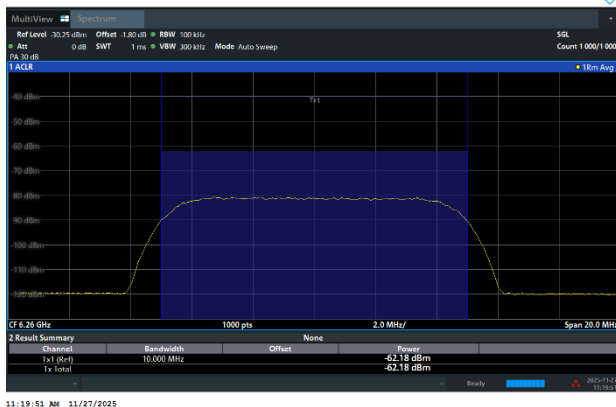
802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -61.18dBm

802.11ax (HE160) / CH47 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -62.18dBm

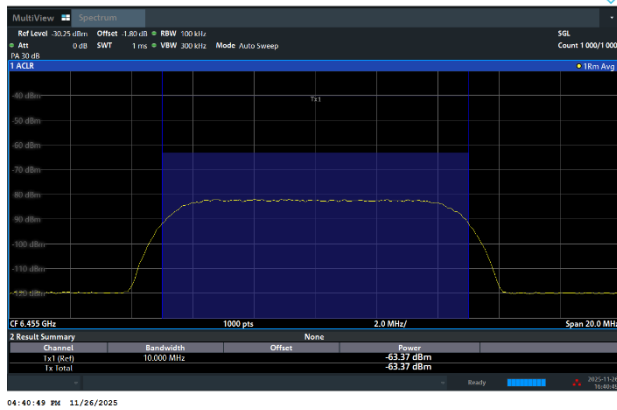
802.11ax (HE160) / CH47 (Upper edge)
Transmit when the interferer is 1dB lower.





Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -63.37dBm

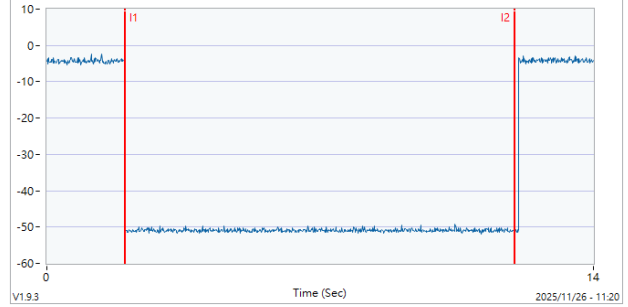


802.11ax (HE20) / CH101

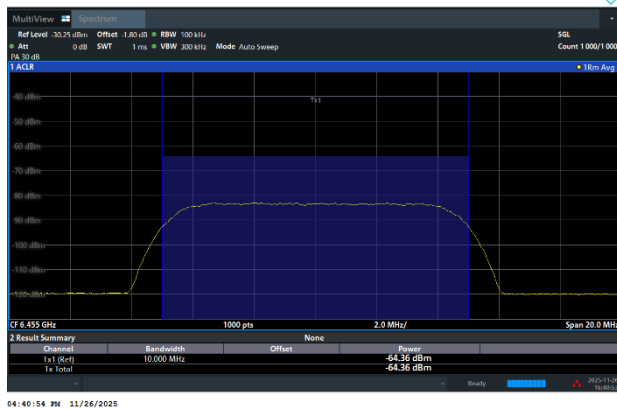
Test result is pass due to no transmission occur.

Contention Based Protocol - UNII 6, EUT-6455(BW20), SG-6455

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -64.36dBm

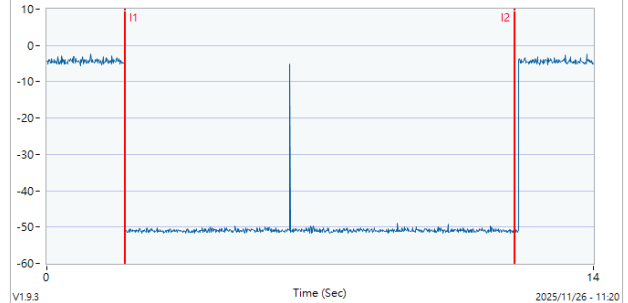


802.11ax (HE20) / CH101

Transmit when the interferer is 1dB lower.

Contention Based Protocol - UNII 6, EUT-6455(BW20), SG-6455(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

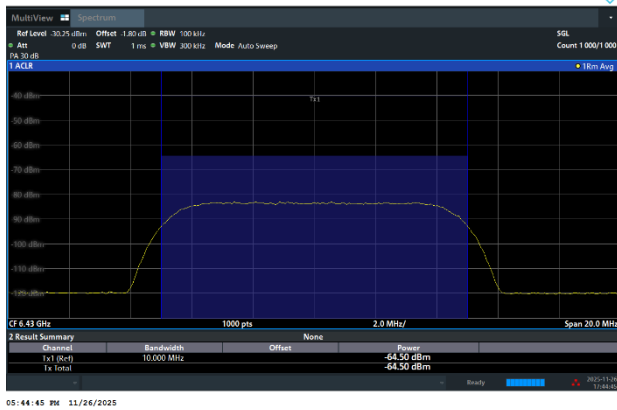




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

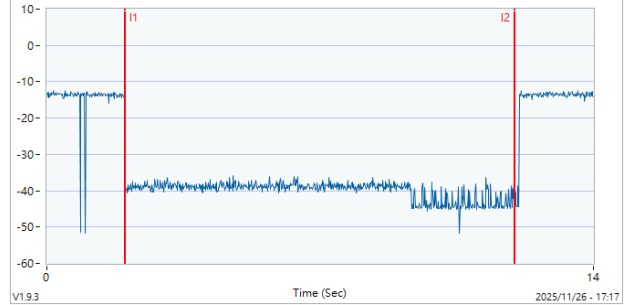
802.11ax (HE160) / 6430MHz (Lower edge)
Threshold Level (TL) = -64.5dBm

802.11ax (HE160) / CH111 (Lower edge)
Test result is pass due to no transmission occur.



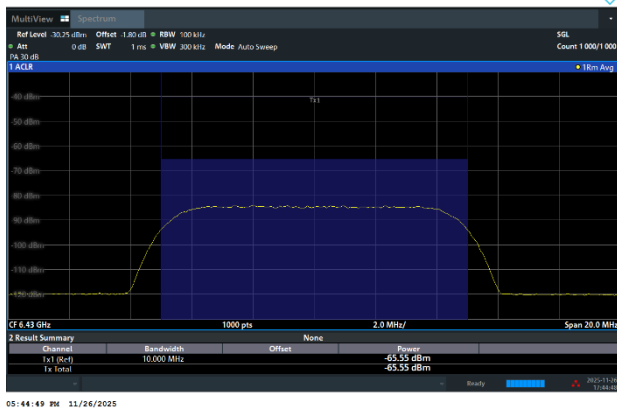
Contention Based Protocol - UNII 6, EUT-6505(BW160), SG-6430

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



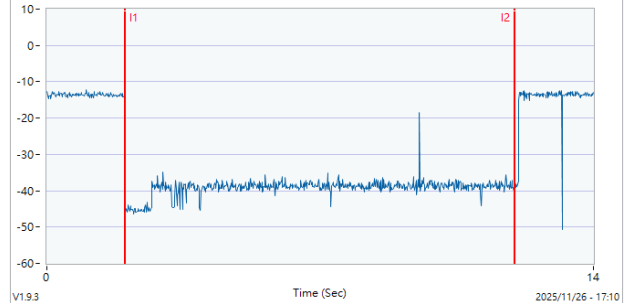
802.11ax (HE160) / 6430MHz (Lower edge)
Threshold Level (TL) = -65.55dBm

802.11ax (HE160) / CH111 (Lower edge)
Transmit when the interferer is 1dB lower.



Contention Based Protocol - UNII 6, EUT-6505(BW160), SG-6430(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



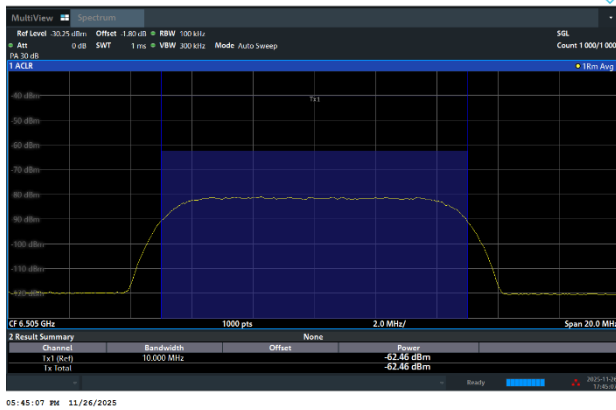


Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11ax (HE160) / 6505MHz (Middle)
Threshold Level (TL) = -62.46dBm

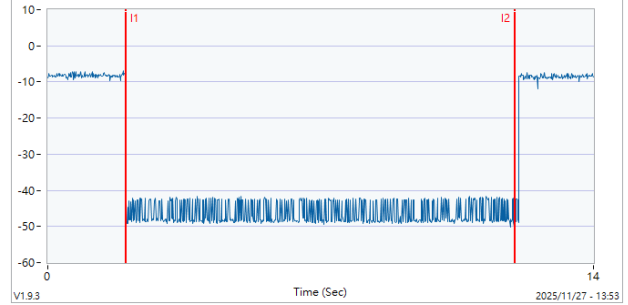
802.11ax (HE160) / CH111 (Middle)

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII 6, EUT-6505(BW160), SG-6505

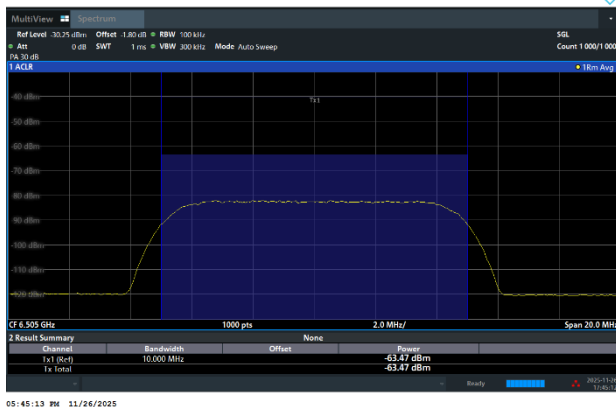
Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



802.11ax (HE160) / 6505MHz (Middle)
Threshold Level (TL) = -63.47dBm

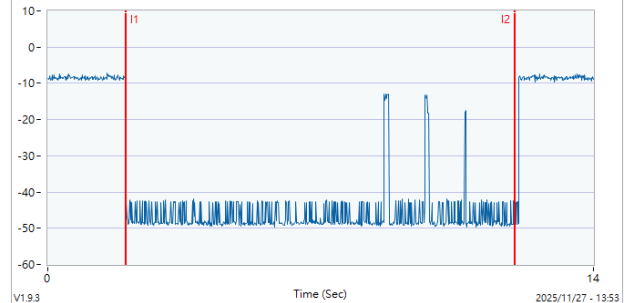
802.11ax (HE160) / CH111 (Middle)

Transmit when the interferer is 1dB lower.



Contention Based Protocol - UNII 6, EUT-6505(BW160), SG-6505(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

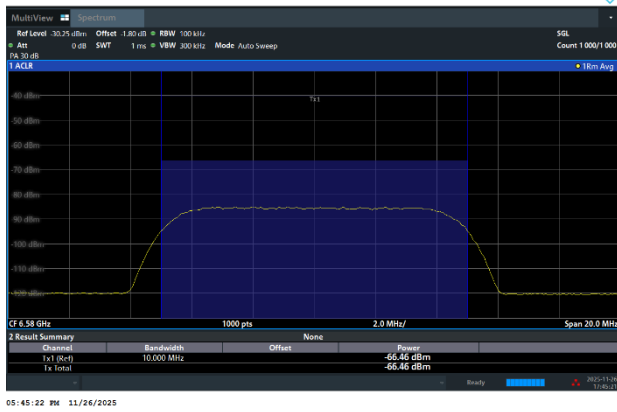




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

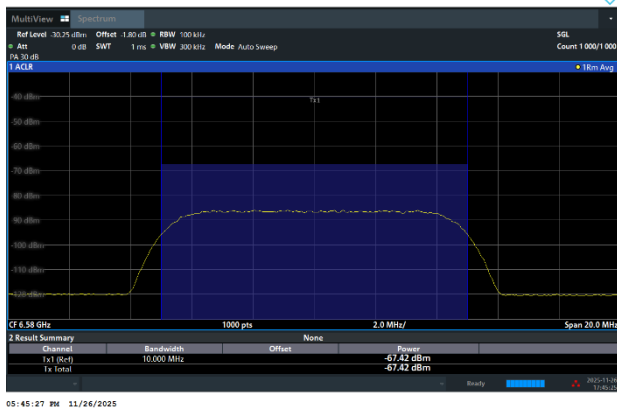
802.11ax (HE160) / 6580MHz (Upper edge)
Threshold Level (TL) = -66.46dBm

802.11ax (HE160) / CH111 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6580MHz (Upper edge)
Threshold Level (TL) = -67.42dBm

802.11ax (HE160) / CH111 (Upper edge)
Transmit when the interferer is 1dB lower.

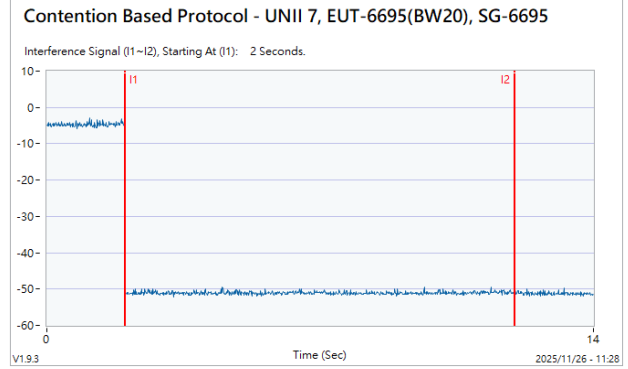
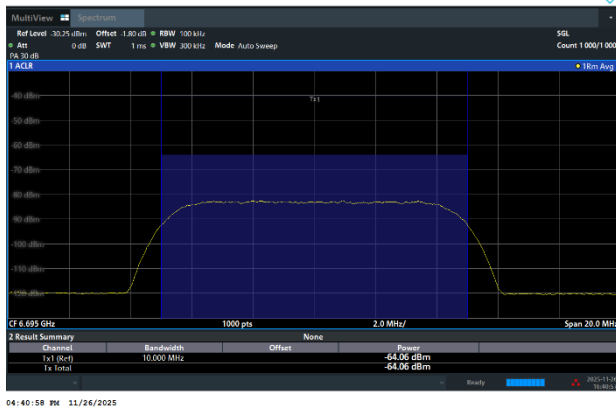




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

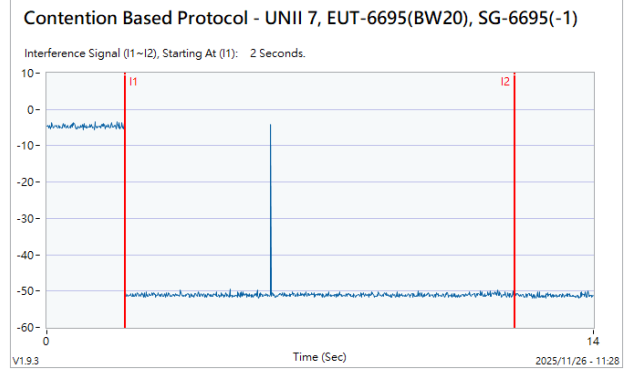
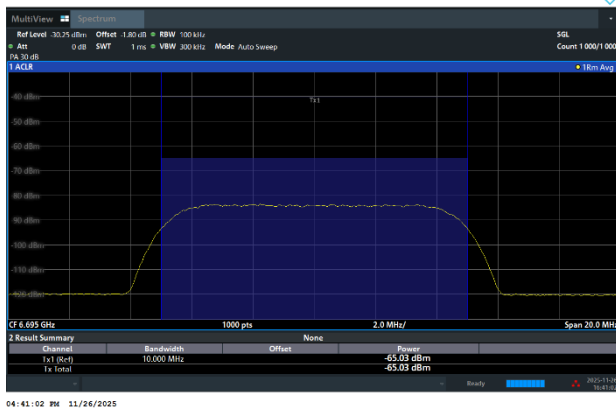
802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -64.06dBm

802.11ax (HE20) / CH149
Test result is pass due to no transmission occur.



802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -65.03dBm

802.11ax (HE20) / CH149
Transmit when the interferer is 1dB lower.

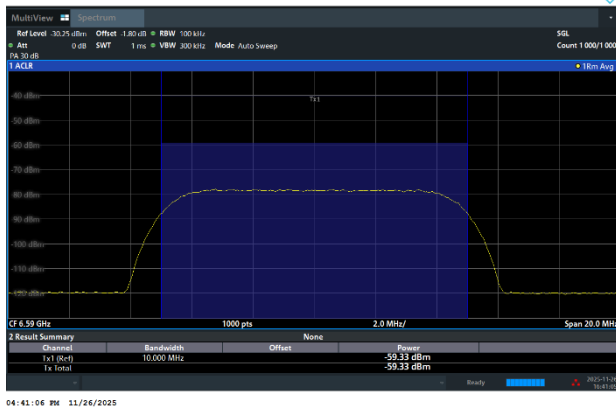




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

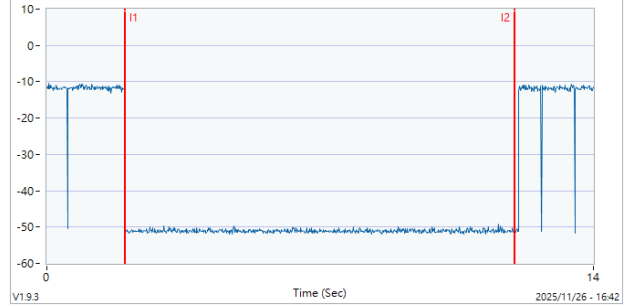
802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -59.33dBm

802.11ax (HE160) / CH143 (Lower edge)
Test result is pass due to no transmission occur.



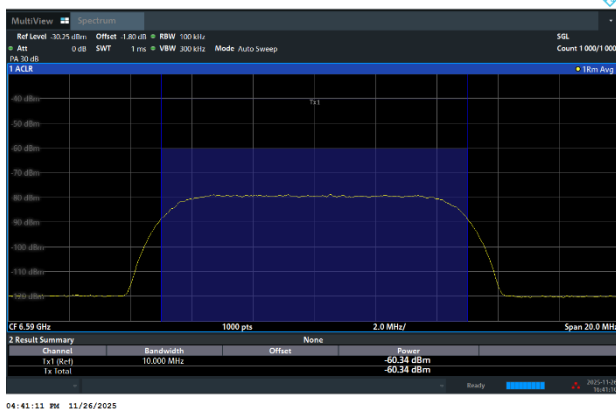
Contention Based Protocol - UNII 7, EUT-6665(BW160), SG-6590

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



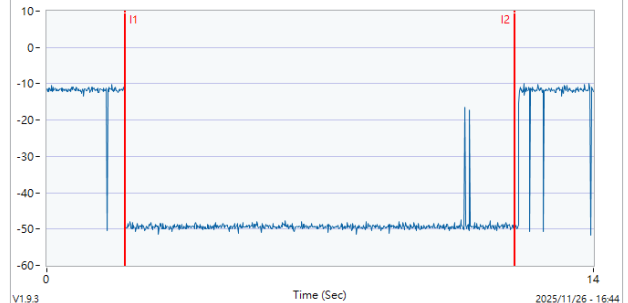
802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -60.34dBm

802.11ax (HE160) / CH143 (Lower edge)
Transmit when the interferer is 1dB lower.



Contention Based Protocol - UNII 7, EUT-6665(BW160), SG-6590(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



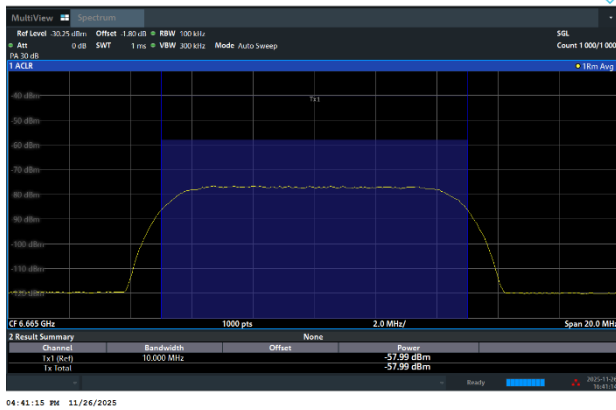


Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -57.99dBm

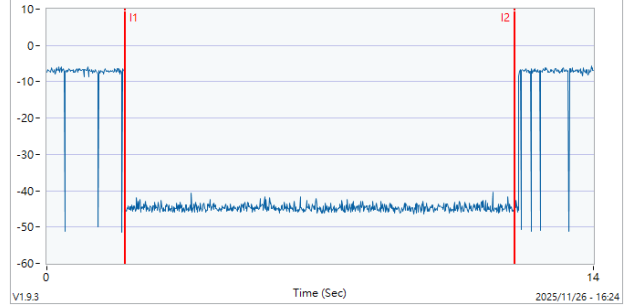
802.11ax (HE160) / CH143 (Middle)

Test result is pass due to no transmission occur.



Contention Based Protocol - UNII 7, EUT-6665(BW160), SG-6665

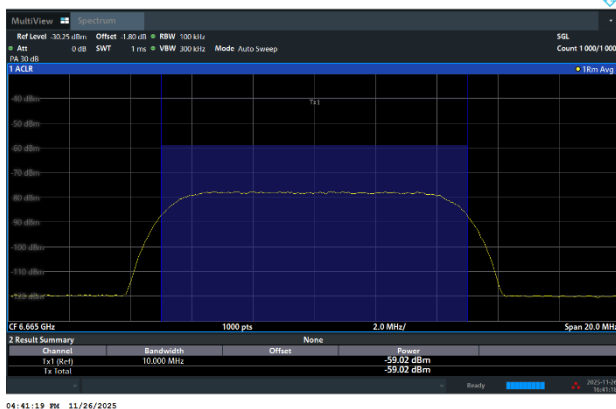
Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -59.02dBm

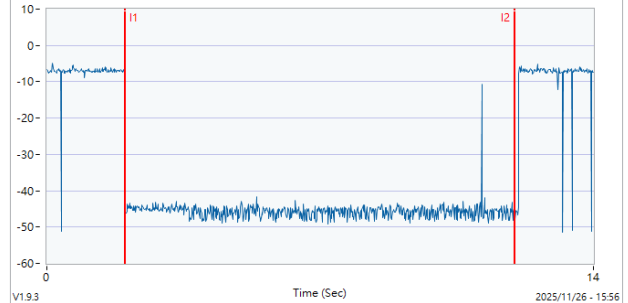
802.11ax (HE160) / CH143 (Middle)

Transmit when the interferer is 1dB lower.



Contention Based Protocol - UNII 7, EUT-6665(BW160), SG-6665(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

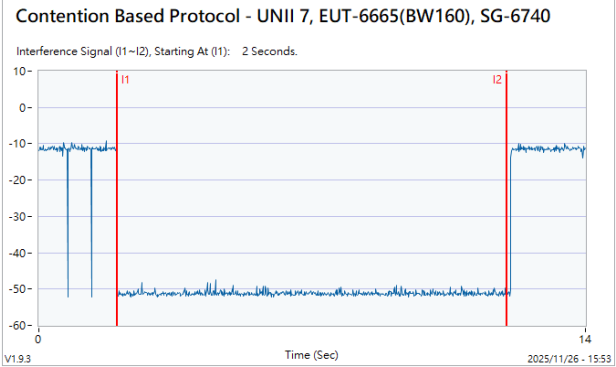
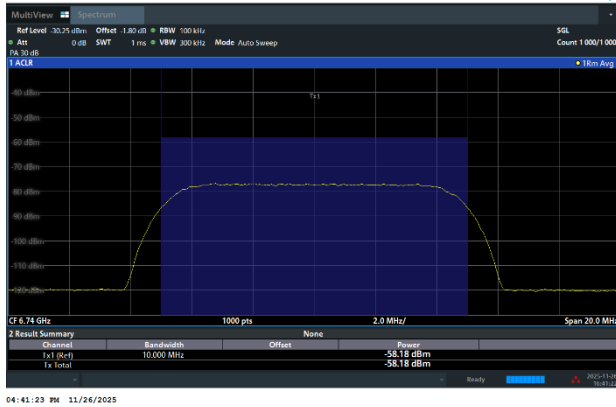




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

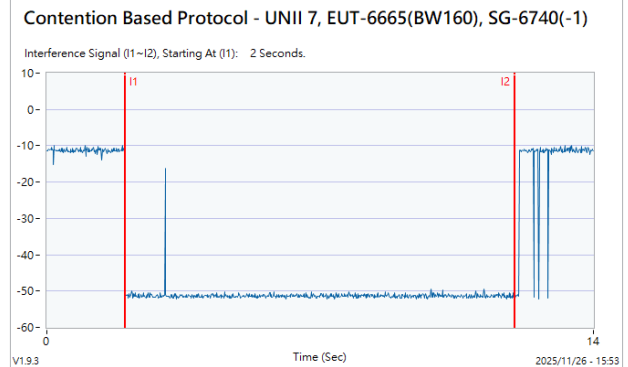
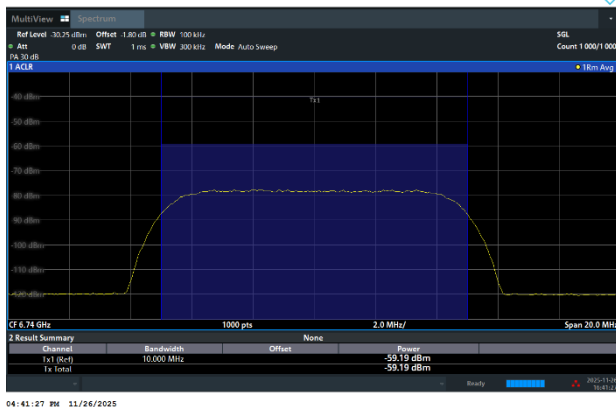
802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -58.18dBm

802.11ax (HE160) / CH143 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -59.19dBm

802.11ax (HE160) / CH143 (Upper edge)
Transmit when the interferer is 1dB lower.

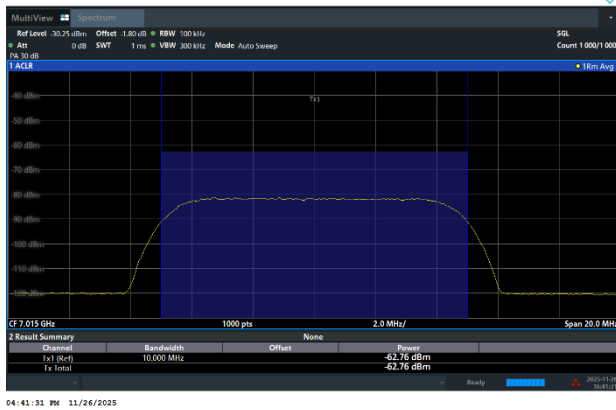


Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

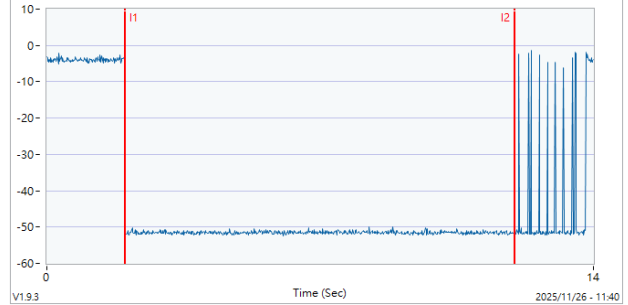
802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -62.76dBm

802.11ax (HE20) / CH213

Test result is pass due to no transmission occur.


Contention Based Protocol - UNII 8, EUT-7015(BW20), SG-7015

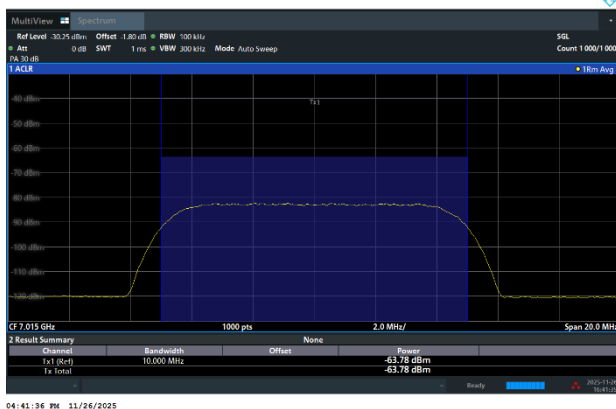
Interference Signal (I1~I2), Starting At (I1): 2 Seconds.



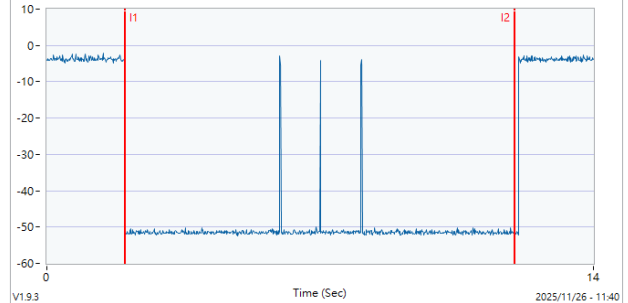
802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -63.78dBm

802.11ax (HE20) / CH213

Transmit when the interferer is 1dB lower.


Contention Based Protocol - UNII 8, EUT-7015(BW20), SG-7015(-1)

Interference Signal (I1~I2), Starting At (I1): 2 Seconds.

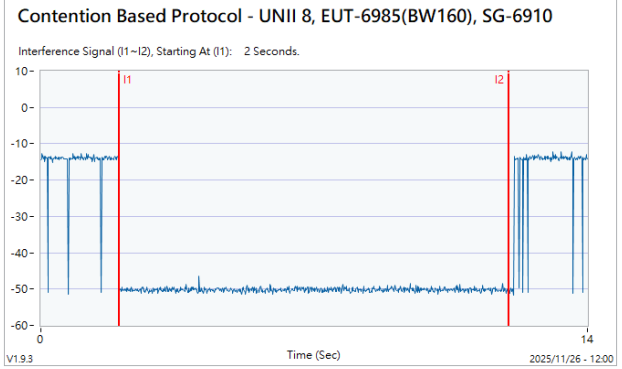
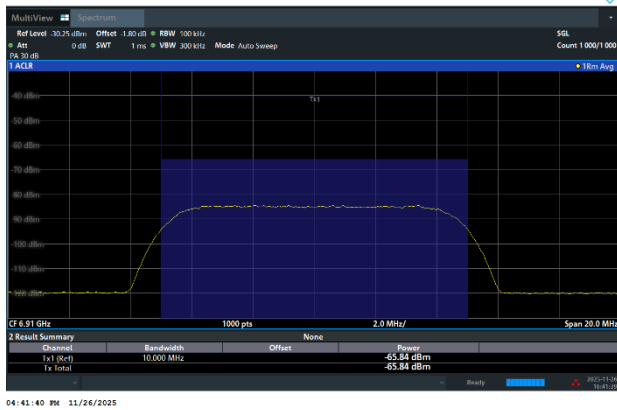




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

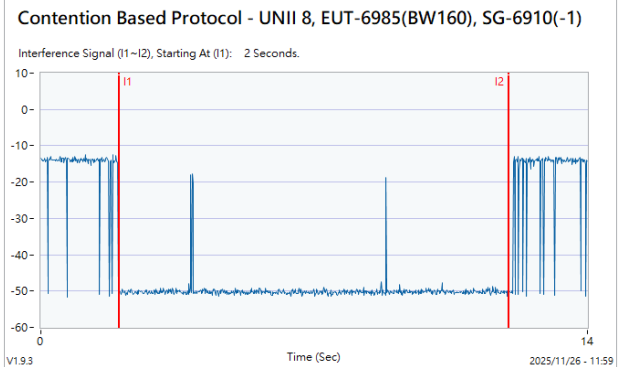
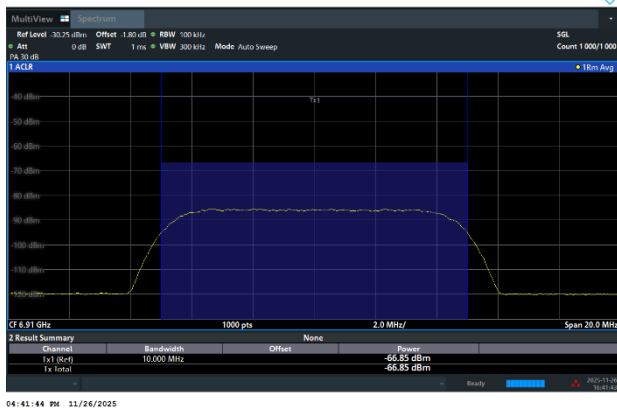
802.11ax (HE160) / 6910MHz (Lower edge)
Threshold Level (TL) = -65.84dBm

802.11ax (HE160) / CH207 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6910MHz (Lower edge)
Threshold Level (TL) = -66.85dBm

802.11ax (HE160) / CH207 (Lower edge)
Transmit when the interferer is 1dB lower.



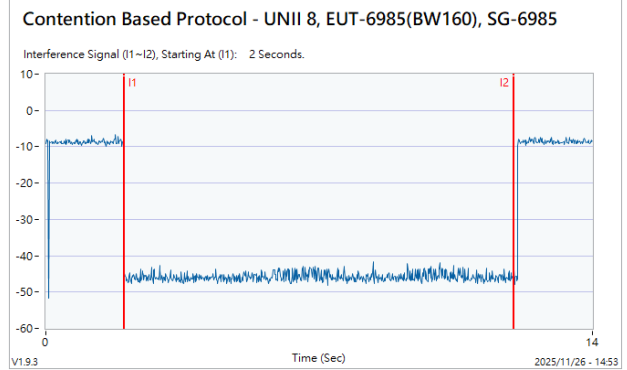
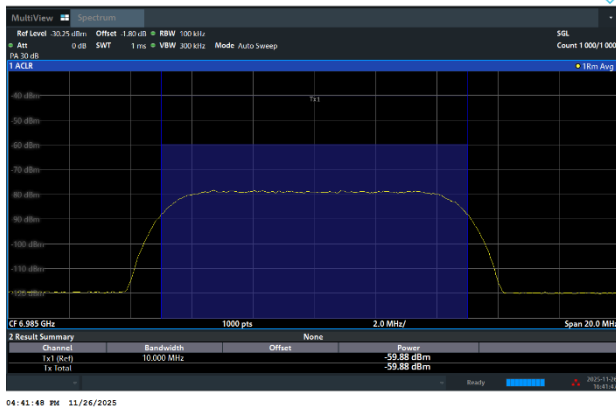


Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

802.11ax (HE160) / 6985MHz (Middle)
Threshold Level (TL) = -59.88dBm

802.11ax (HE160) / CH207 (Middle)

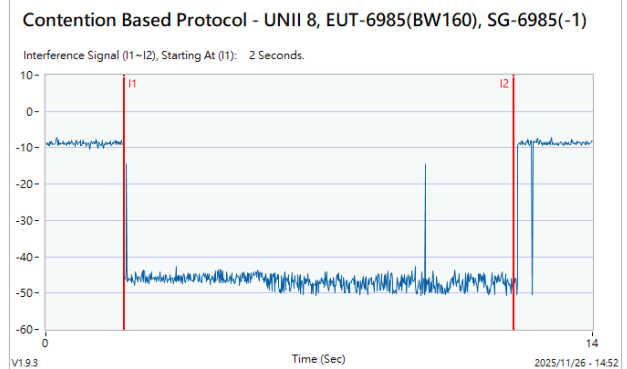
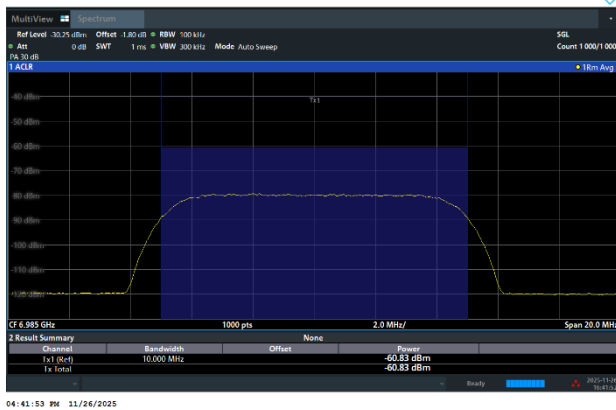
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6985MHz (Middle)
Threshold Level (TL) = -60.83dBm

802.11ax (HE160) / CH207 (Middle)

Transmit when the interferer is 1dB lower.

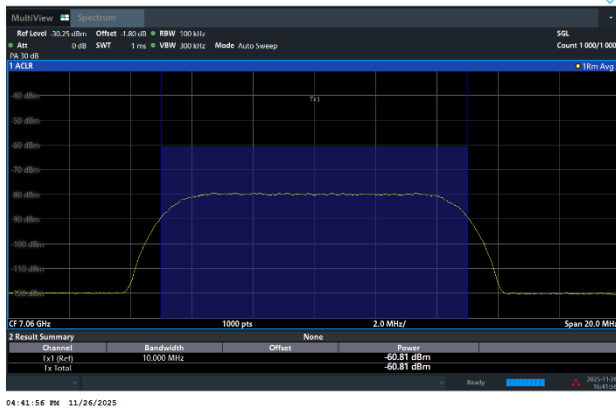




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

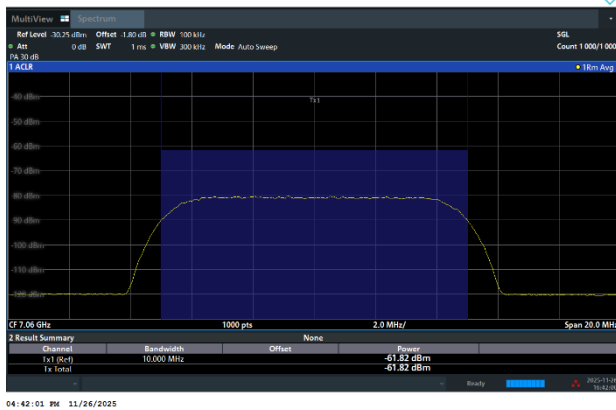
802.11ax (HE160) / 7060MHz (Upper edge)
Threshold Level (TL) = -60.81dBm

802.11ax (HE160) / CH207 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 7060MHz (Upper edge)
Threshold Level (TL) = -61.82dBm

802.11ax (HE160) / CH207 (Upper edge)
Transmit when the interferer is 1dB lower.





Appendix E. Duty Cycle Plots

Chain	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
0+1	802.11a	97.54	1390	0.72	750Hz
0+1	5GHz 802.11ax HE20 Full RU	96.68	1020	0.98	1kHz
0+1	5GHz 802.11ax HE20 26 RU	89.32	552	1.81	2kHz
0+1	5GHz 802.11ax HE20 106 RU	92.52	435.5	2.30	2.4kHz
0+1	5GHz 802.11ax HE40 Full RU	89.60	310	3.23	3.3kHz
0+1	5GHz 802.11ax HE80 Full RU	89.70	296	3.38	3.6kHz
0+1	5GHz 802.11ax HE160 Full RU	87.06	296	3.38	3.6kHz

MIMO <Chain 0+1>

