Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type3	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	YES	19	YES
	5	YES	20	YES
	6	YES	21	**NO**
	7	YES	22	YES
	8	**NO**	23	YES
	9	YES	24	YES
	10	YES	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES
Type4	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	**NO**	19	YES
	5	YES	20	YES
	6	YES	21	YES
	7	YES	22	YES
	8	**NO**	23	YES
	9	YES	24	YES
	10	**NO**	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES

Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type5	1	YES	16	YES
	2	YES	17	YES
	3	**NO**	18	YES
	4	YES	19	**NO**
	5	YES	20	YES
	6	YES	21	YES
	7	YES	22	YES
	8	YES	23	YES
	9	YES	24	**NO**
	10	YES	25	YES
	11	YES	26	YES
	12	**NO**	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	**NO**
Type6	1	YES	16	YES
	2	YES	17	**NO**
	3	YES	18	YES
	4	YES	19	YES
	5	YES	20	YES
	6	**NO**	21	YES
	7	**NO**	22	**NO**
	8	YES	23	YES
	9	YES	24	YES
	10	YES	25	YES
	11	YES	26	YES
	12	**NO**	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES

IEEE 802.11n(HT40) Mode

Table 1: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Pass times	Fail times	Percentage of Successful Detection (%)
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	5	83%	**60%**
2	1-5	150-230	23-29	4	87%	**60%**
3	6-10	200-500	16-18	4	87%	**60%**
4	11-20	200-500	12-16	3	90%	**60%**
Aggregate (Radar Types 1-4)				16	87%	**80%**

Table 2: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses Per Burst	Number of Bursts	Pass times	Fail times	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	4	87%	**80%**

Table 3: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Pass times	Fail times	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	4	87%	**70%**

Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type1	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	**NO**
	4	YES	19	YES
	5	YES	20	**NO**
	6	YES	21	YES
	7	**NO**	22	YES
	8	YES	23	YES
	9	YES	24	**NO**
	10	**NO**	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES
Type2	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	YES	19	**NO**
	5	**NO**	20	YES
	6	YES	21	YES
	7	YES	22	YES
	8	YES	23	YES
	9	**NO**	24	YES
	10	YES	25	**NO**
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES

Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type3	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	YES	19	**NO**
	5	**NO**	20	YES
	6	YES	21	YES
	7	YES	22	YES
	8	YES	23	YES
	9	**NO**	24	**NO**
	10	YES	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES
Type4	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	YES	19	YES
	5	YES	20	YES
	6	YES	21	YES
	7	YES	22	YES
	8	YES	23	**NO**
	9	YES	24	YES
	10	**NO**	25	YES
	11	YES	26	**NO**
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES

Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type5	1	YES	16	YES
	2	YES	17	YES
	3	**NO**	18	YES
	4	YES	19	YES
	5	YES	20	YES
	6	YES	21	YES
	7	YES	22	**NO**
	8	**NO**	23	YES
	9	YES	24	YES
	10	YES	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	**NO**
Type6	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	**NO**	19	YES
	5	YES	20	YES
	6	**NO**	21	YES
	7	YES	22	**NO**
	8	YES	23	YES
	9	YES	24	YES
	10	**NO**	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES

IEEE 802.11ac(VHT80) Mode

Table 1: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Pass times	Fail times	Percentage of Successful Detection (%)
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	3	90%	**60%**
2	1-5	150-230	23-29	5	83%	**60%**
3	6-10	200-500	16-18	3	90%	**60%**
4	11-20	200-500	12-16	4	87%	**60%**
Aggregate (Radar Types 1-4)				15	88%	**80%**

Table 2: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses Per Burst	Number of Bursts	Pass times	Fail times	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	4	87%	**80%**

Table 3: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Pass times	Fail times	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	5	83%	**70%**

Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type1	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	**NO**	19	YES
	5	YES	20	YES
	6	YES	21	YES
	7	YES	22	YES
	8	YES	23	**NO**
	9	YES	24	YES
	10	YES	25	YES
	11	**NO**	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES
Type2	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	**NO**	19	YES
	5	YES	20	**NO**
	6	YES	21	YES
	7	**NO**	22	YES
	8	YES	23	YES
	9	YES	24	YES
	10	YES	25	YES
	11	YES	26	**NO**
	12	**NO**	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES

Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type3	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	YES	19	YES
	5	YES	20	YES
	6	**NO**	21	**NO**
	7	YES	22	YES
	8	YES	23	YES
	9	YES	24	YES
	10	**NO**	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES
Type4	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	YES	19	YES
	5	YES	20	YES
	6	YES	21	YES
	7	YES	22	YES
	8	YES	23	**NO**
	9	YES	24	YES
	10	YES	25	YES
	11	**NO**	26	**NO**
	12	**NO**	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES

Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type5	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	YES	19	YES
	5	**NO**	20	**NO**
	6	YES	21	YES
	7	**NO**	22	YES
	8	YES	23	YES
	9	YES	24	YES
	10	YES	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	**NO**
	14	YES	29	YES
	15	YES	30	YES
Type6	1	YES	16	YES
	2	YES	17	YES
	3	**NO**	18	YES
	4	YES	19	YES
	5	YES	20	YES
	6	YES	21	**NO**
	7	**NO**	22	YES
	8	YES	23	YES
	9	YES	24	YES
	10	YES	25	**NO**
	11	YES	26	YES
	12	YES	27	YES
	13	**NO**	28	YES
	14	YES	29	YES
	15	YES	30	YES

IEEE 802.11ax(HE160) Mode

Table 1: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Pass times	Fail times	Percentage of Successful Detection (%)
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	7	77%	**60%**
2	1-5	150-230	23-29	6	80%	**60%**
3	6-10	200-500	16-18	6	80%	**60%**
4	11-20	200-500	12-16	4	87%	**60%**
Aggregate (Radar Types 1-4)				23	81%	**80%**

Table 2: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses Per Burst	Number of Bursts	Pass times	Fail times	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	4	87%	**80%**

Table 3: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Pass times	Fail times	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	4	87%	**70%**

Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type1	1	YES	16	YES
	2	YES	17	YES
	3	**NO**	18	YES
	4	YES	19	**NO**
	5	YES	20	YES
	6	**NO**	21	YES
	7	**NO**	22	**NO**
	8	YES	23	YES
	9	YES	24	YES
	10	YES	25	**NO**
	11	**NO**	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES
Type2	1	YES	16	YES
	2	YES	17	YES
	3	**NO**	18	**NO**
	4	YES	19	YES
	5	YES	20	YES
	6	**NO**	21	YES
	7	YES	22	YES
	8	YES	23	**NO**
	9	YES	24	YES
	10	YES	25	YES
	11	**NO**	26	YES
	12	**NO**	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES

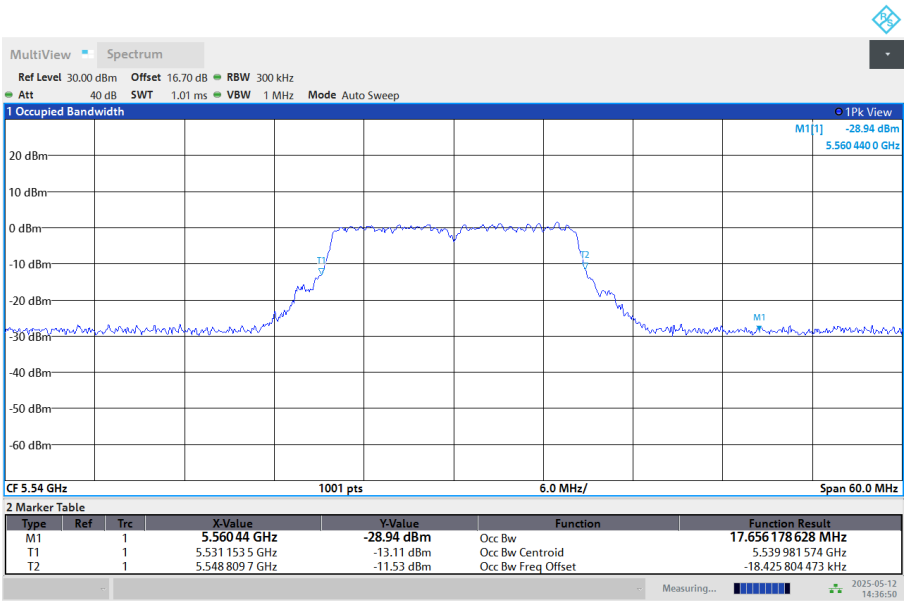
Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type3	1	YES	16	YES
	2	YES	17	YES
	3	**NO**	18	YES
	4	**NO**	19	YES
	5	YES	20	**NO**
	6	YES	21	YES
	7	YES	22	YES
	8	YES	23	YES
	9	**NO**	24	**NO**
	10	YES	25	**NO**
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES
Type4	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	YES	19	YES
	5	**NO**	20	**NO**
	6	YES	21	YES
	7	YES	22	**NO**
	8	YES	23	YES
	9	YES	24	YES
	10	**NO**	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES

Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type5	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	**NO**	19	YES
	5	YES	20	**NO**
	6	YES	21	YES
	7	YES	22	YES
	8	YES	23	YES
	9	YES	24	**NO**
	10	YES	25	YES
	11	YES	26	**NO**
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES
Type6	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	YES	19	YES
	5	**NO**	20	**NO**
	6	YES	21	YES
	7	YES	22	YES
	8	YES	23	YES
	9	YES	24	**NO**
	10	**NO**	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES

9.7 NON-OCCUPANCY PERIOD

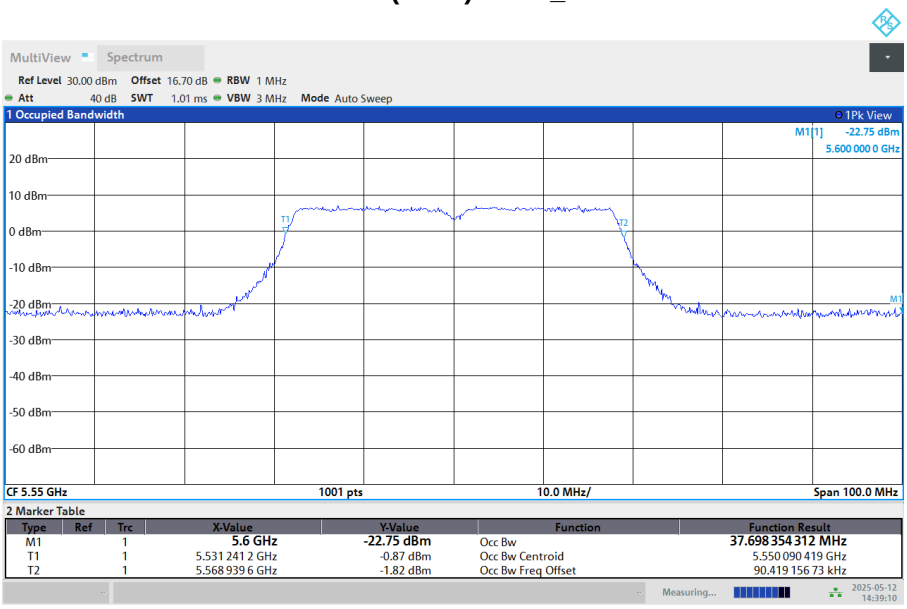
During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

IEEE 802.11a Mode_5540MHz



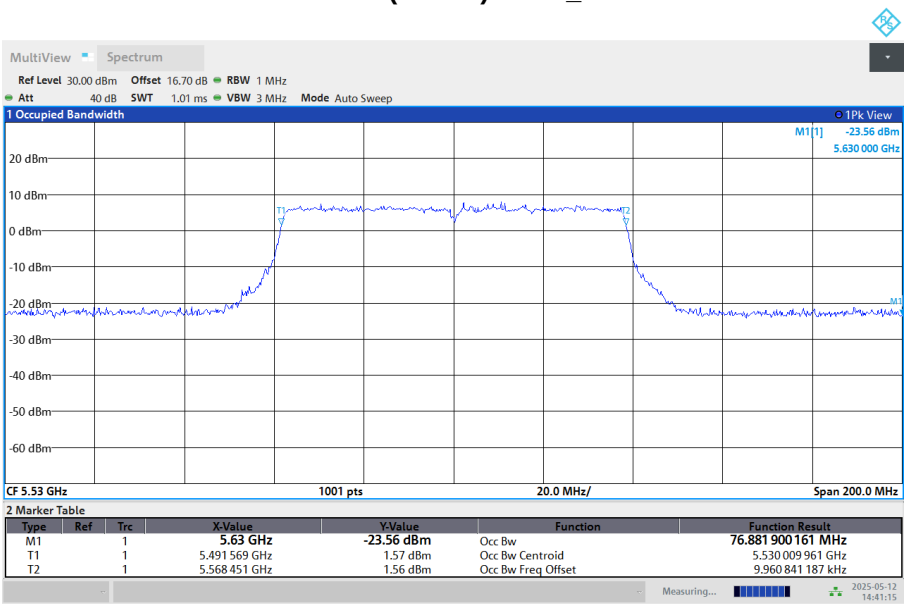
02:36:51 PM 05/12/2025

IEEE 802.11n(HT40) Mode_5550MHz



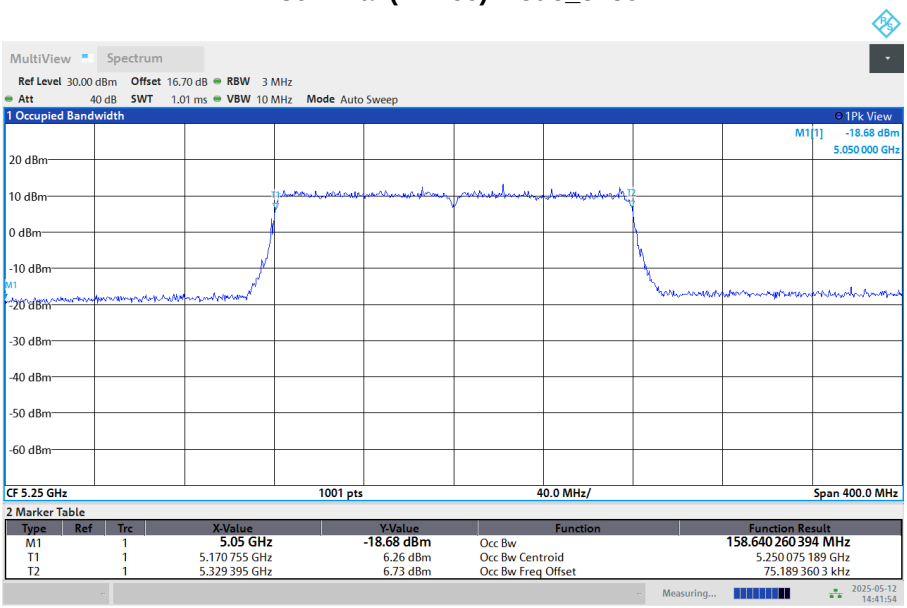
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IEEE 802.11ac(VHT80) Mode_5530MHz



02:41:16 PM 05/12/2025

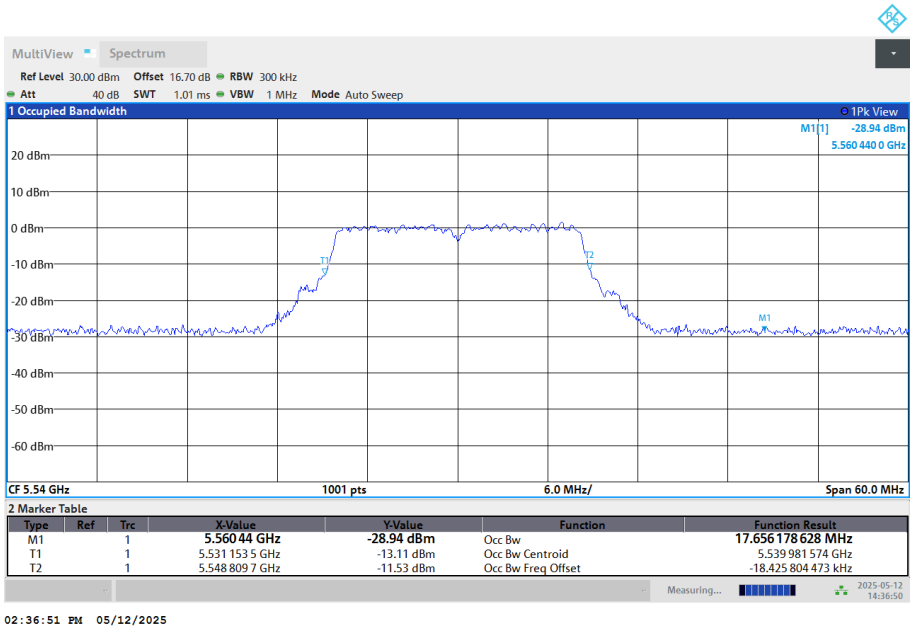
IEEE 802.11ax(HE160) Mode_5250MHz



02:41:55 PM 05/12/2025

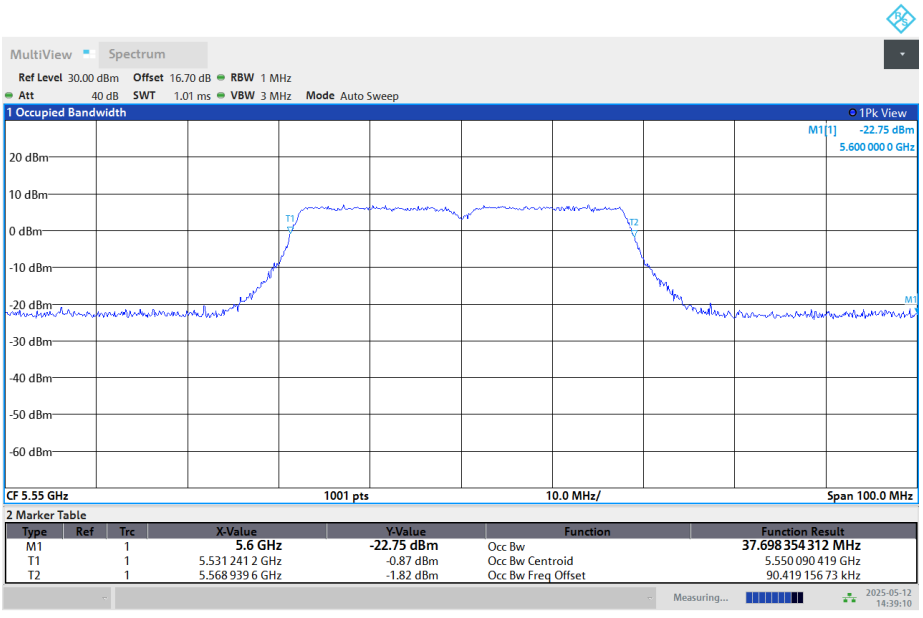
9.8 U-NII DETECTION BANDWIDTH

IEEE 802.11a Mode



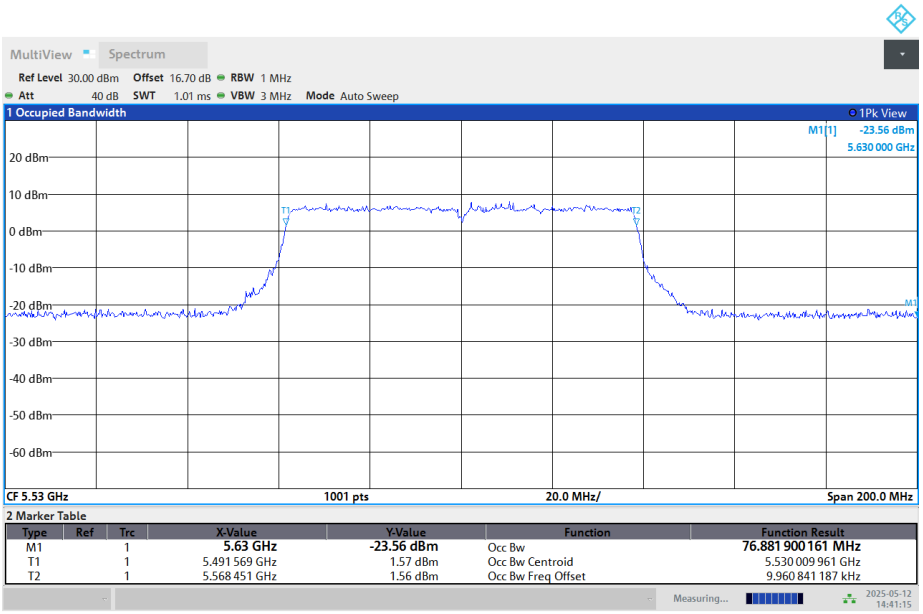
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IEEE 802.11n(HT40) Mode



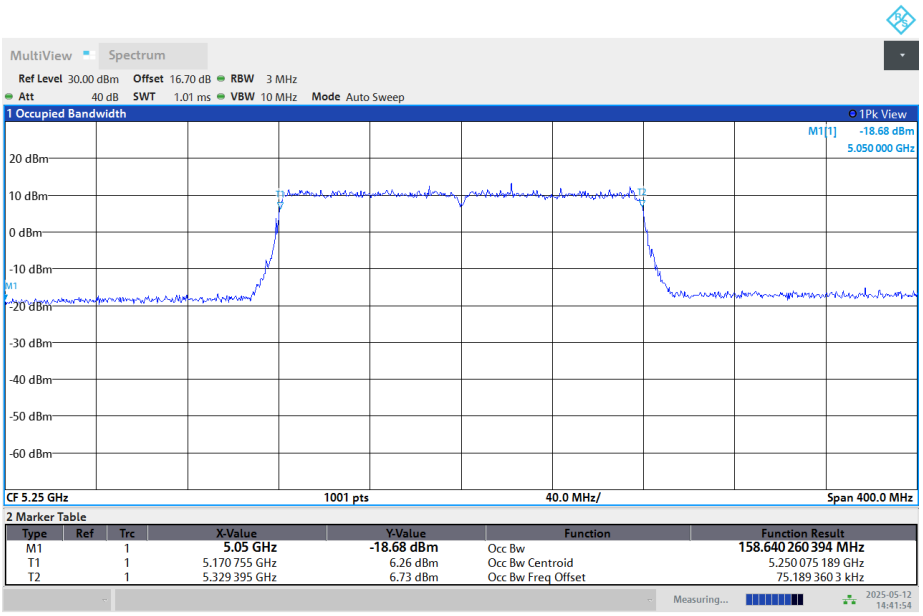
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IEEE 802.11ac(VHT80) Mode



02:41:16 PM 05/12/2025

IEEE 802.11ax(HE160) Mode



02:41:55 PM 05/12/2025

IEEE 802.11a Mode

Detection Bandwith test tranmission 20M											
EUT FREQUENCY	5540M										
EUT power bandwith	17.65MHz										
Detection Bandwith limit(100%of EUT 99% Power bandwith)	18										
Detection Bandwith(5549(FH)-5531(FL))	18										
Test Result	PASS										
	DFS Detection Trials (1=Detection, 0= No Detection)										
Radar Freq (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5531(FL)	1	1	1	1	1	0	1	1	1	1	90
5535	1	1	1	1	1	1	1	1	1	1	100
5540	1	1	1	1	1	1	1	1	1	1	100
5545	1	1	1	1	1	1	1	1	1	1	100
5549(FH)	1	1	1	1	1	1	1	1	1	1	100

IEEE 802.11n(HT40) Mode

Detection Bandwith test tranmission 40M											
EUT FREQUENCY	5550M										
EUT power bandwith	37.69MHZ										
Detection Bandwith limit(100%of EUT 99% Power bandwith)	38										
Detection Bandwith(5569(FH)-5531(FL))	38										
Test Resul	PASS										
Radar Freq (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										
	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5531(FL)	1	1	1	1	1	1	1	1	1	1	100
5535	1	1	1	1	1	0	1	1	1	1	90
5540	1	1	1	1	1	1	1	1	1	1	100
5545	1	1	1	1	1	1	1	1	1	1	100
5550	1	1	1	1	1	1	1	1	1	1	100
5555	1	1	1	1	1	1	1	1	1	1	100
5560	1	1	1	1	1	1	1	1	1	1	100
5565	1	1	1	0	1	1	1	1	1	1	90
5569(FH)	1	1	1	1	1	1	1	1	1	1	100

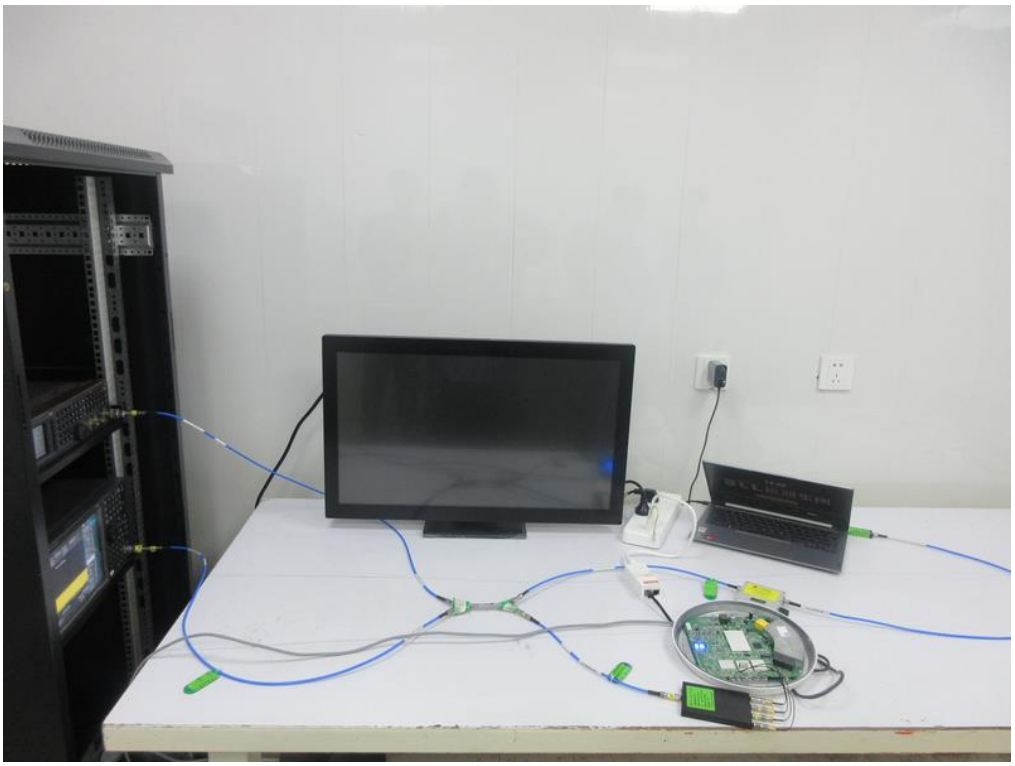
IEEE 802.11ac(VHT80) Mode

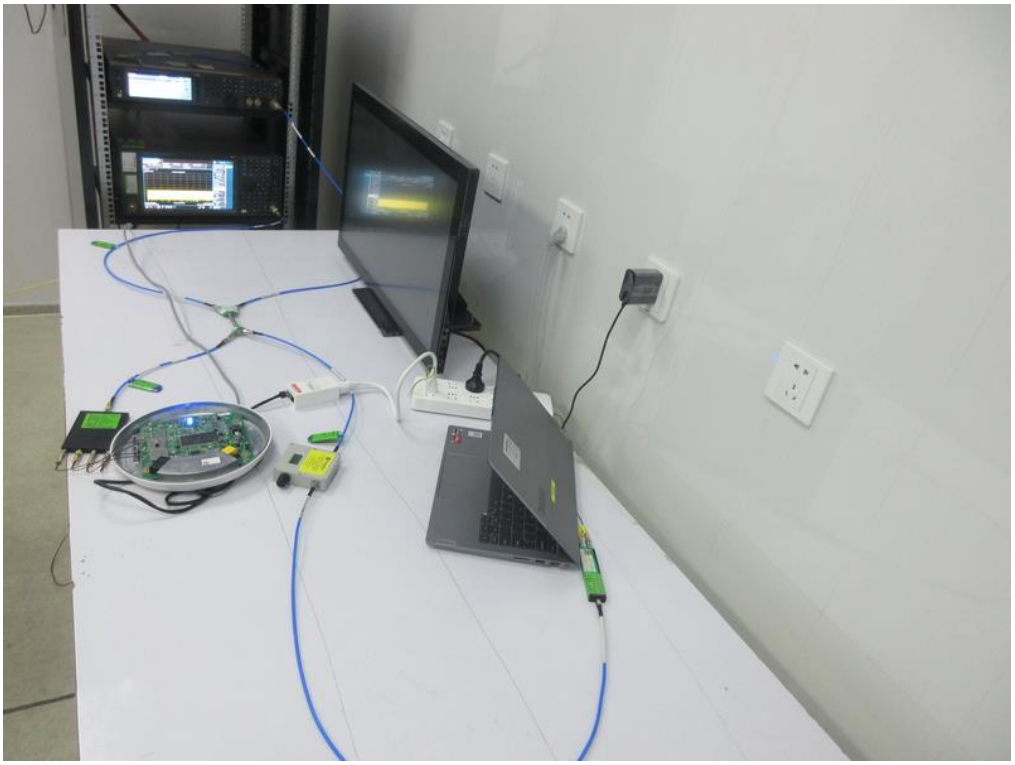
Detection Bandwith test tranmission			80M								
EUT FREQUENCY			5530M								
EUT power bandwith			76.88MHZ								
Detection Bandwith limit(100%of EUT 99% Power bandwith)						78					
Detection Bandwith(5569(FH)-5491(FL))				78							
Test Result	PASS										
	DFS Detection Trials (1=Detection, 0= No Detection)										
Radar Freq (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5491(FL)	1	1	1	1	1	1	1	1	1	1	100
5495	1	1	1	1	0	1	1	1	1	1	90
5500	1	1	1	1	1	1	1	1	1	1	100
5505	1	1	1	1	1	1	1	1	1	1	100
5510	1	1	1	0	1	1	1	1	1	1	90
5515	1	1	1	1	1	1	1	1	1	1	100
5520	1	1	1	1	1	1	1	1	1	1	100
5525	1	1	1	1	1	1	1	1	1	1	100
5530	1	1	1	1	1	1	1	1	1	1	100
5535	1	1	1	1	1	1	1	1	1	1	100
5540	1	1	1	1	1	1	1	1	1	1	100
5545	1	1	1	1	1	1	1	1	1	1	100
5550	1	1	0	1	1	1	1	1	1	1	90
5555	1	1	1	1	1	1	1	1	1	1	100
5560	1	1	1	1	1	1	1	1	1	1	100
5565	1	1	1	1	1	1	1	1	1	1	100
5569(FH)	1	1	1	1	1	1	1	1	1	1	100

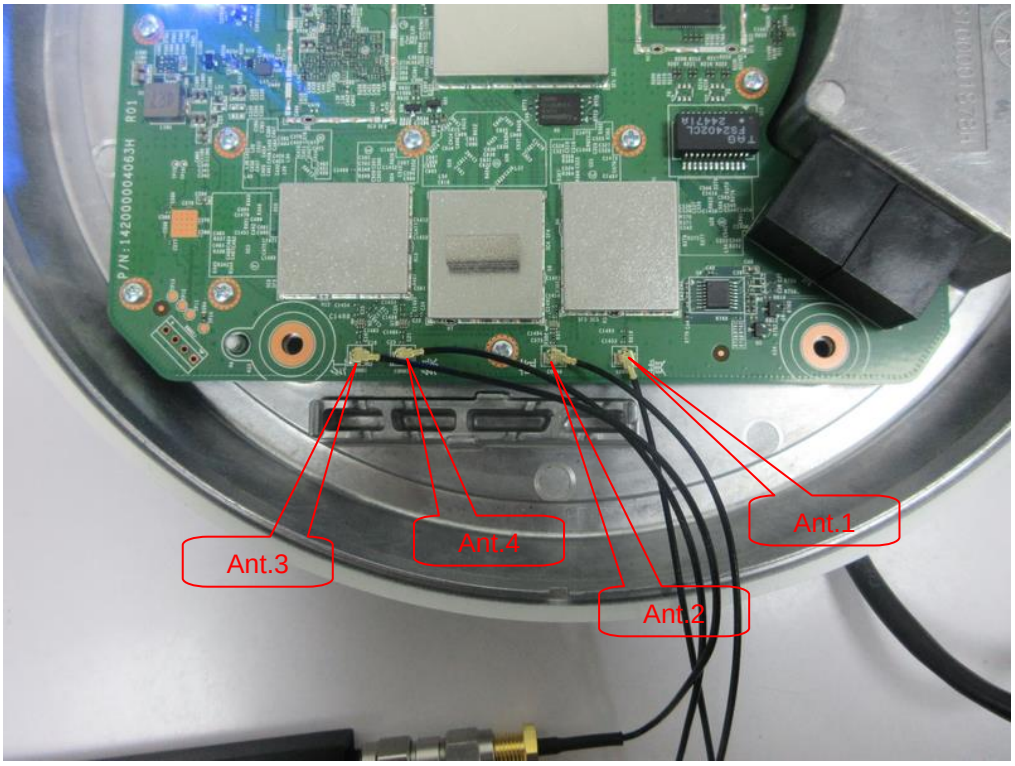
IEEE 802.11ax(HE160) Mode

Detection Bandwith test tranmission			80M								
EUT FREQUENCY			5530M								
EUT power bandwith			76.88MHZ								
Detection Bandwith limit(100%of EUT 99% Power bandwith)						78					
Detection Bandwith(5569(FH)-5491(FL))				78							
Test Result	PASS										
	DFS Detection Trials (1=Detection, 0= No Detection)										
Radar Freq (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5491(FL)	1	1	1	1	1	1	1	1	1	1	100
5495	1	1	1	1	0	1	1	1	1	1	90
5500	1	1	1	1	1	1	1	1	1	1	100
5505	1	1	1	1	1	1	1	1	1	1	100
5510	1	1	1	0	1	1	1	1	1	1	90
5515	1	1	1	1	1	1	1	1	1	1	100
5520	1	1	1	1	1	1	1	1	1	1	100
5525	1	1	1	1	1	1	1	1	1	1	100
5530	1	1	1	1	1	1	1	1	1	1	100
5535	1	1	1	1	1	1	1	1	1	1	100
5540	1	1	1	1	1	1	1	1	1	1	100
5545	1	1	1	1	1	1	1	1	1	1	100
5550	1	1	0	1	1	1	1	1	1	1	90
5555	1	1	1	1	1	1	1	1	1	1	100
5560	1	1	1	1	1	1	1	1	1	1	100
5565	1	1	1	1	1	1	1	1	1	1	100
5569(FH)	1	1	1	1	1	1	1	1	1	1	100

10. EUT TEST PHOTO







End of Test Report