

Contention Based Protocol Measurement

Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	149	6695	6695	-60.36	2.39	0	-62.75	-62	OFF
					-70.36	2.39	0	-72.75	-62	Minimal
					-79.61	2.39	0	-82	-62	ON
	320	127	6585	6430	-60.36	2.39	0	-62.75	-62	OFF
					-62.36	2.39	0	-64.75	-62	Minimal
					-79.61	2.39	0	-82	-62	ON
				6585	-60.36	2.39	0	-62.75	-62	OFF
					-62.36	2.39	0	-64.75	-62	Minimal
					-79.61	2.39	0	-82	-62	ON
				6740	-60.36	2.39	0	-62.75	-62	OFF
					-62.36	2.39	0	-64.75	-62	Minimal
					-79.61	2.39	0	-82	-62	ON

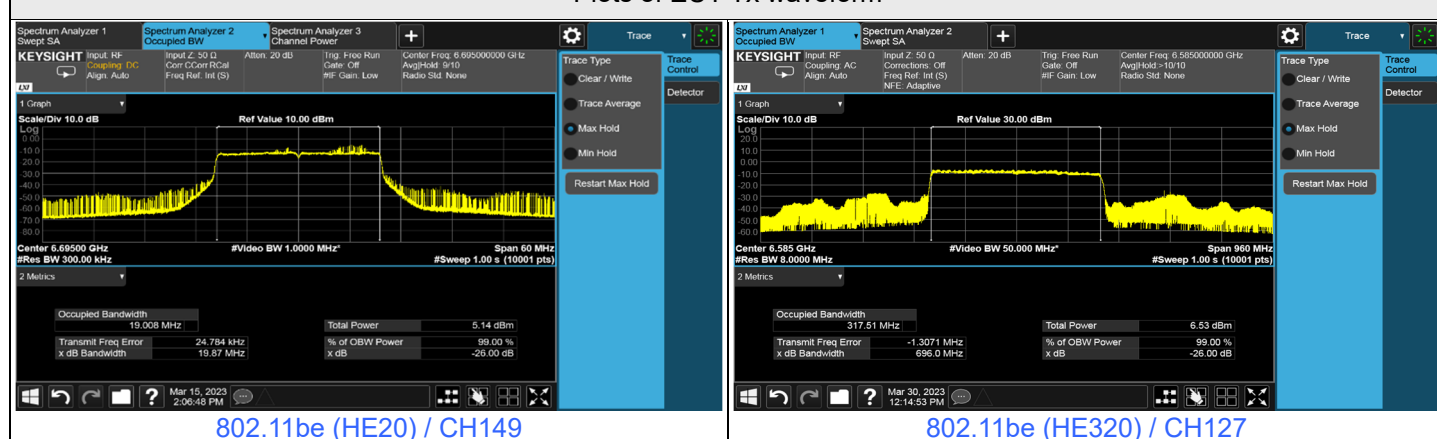
Notes:

1. After investigation (consider antenna gain and path loss), the one representative port (Chain 3) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

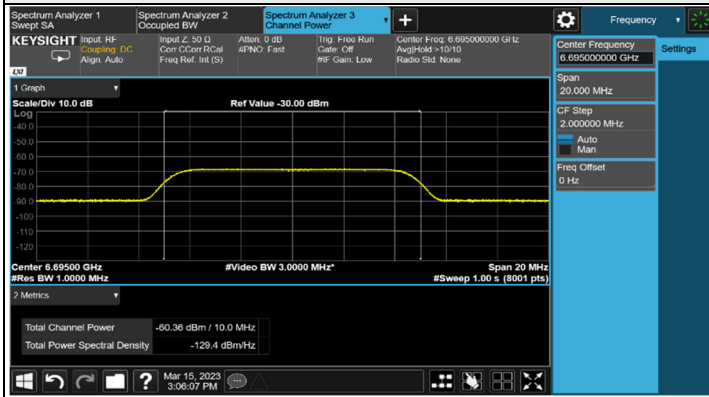
Contention Based Protocol Detection Probability

Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11be	20	6695	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	320	6430	v	v	v	x	v	v	v	v	v	v	90%	90%	Pass
		6585	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6740	v	v	v	v	v	v	v	v	x	v	90%	90%	Pass

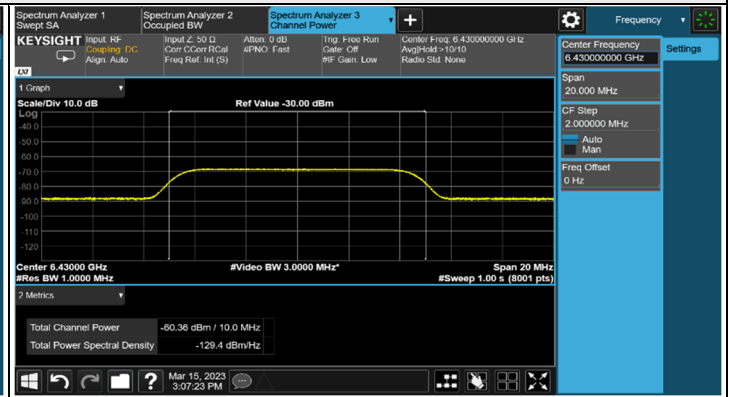
Plots of EUT Tx waveform



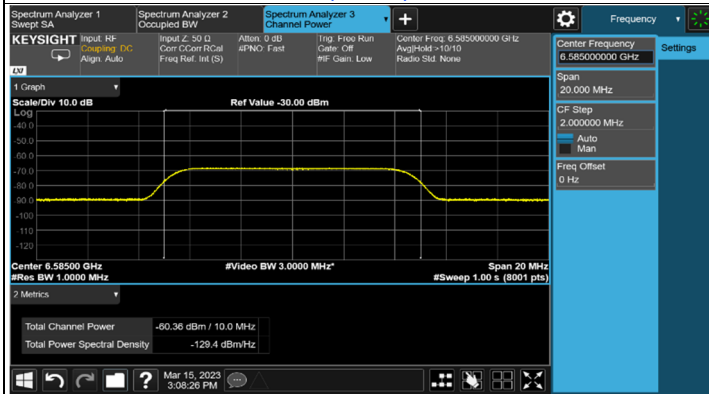
Plots of Injected signal (AWGN) level



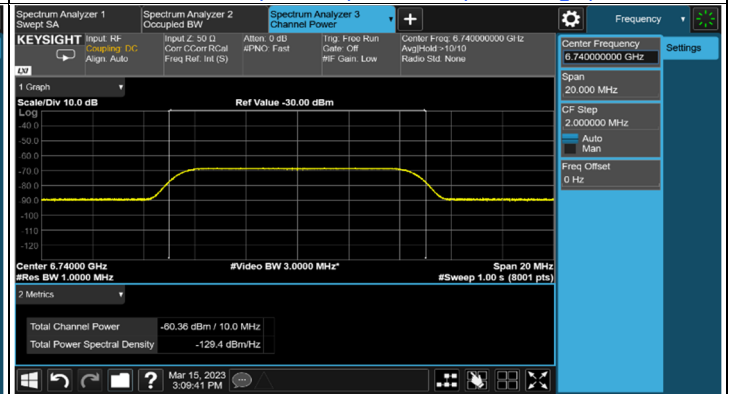
802.11be (HE20) / CH149



802.11be (HE320) / CH127(Low Edge)



802.11be (HE320) / CH127(Middle)

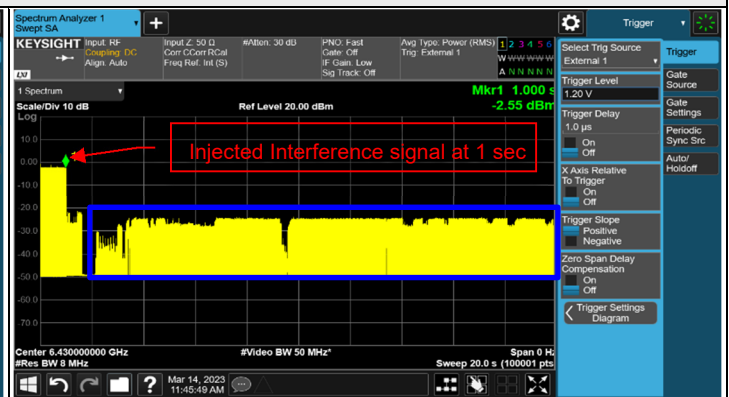


802.11be (HE320) / CH127(High Edge)

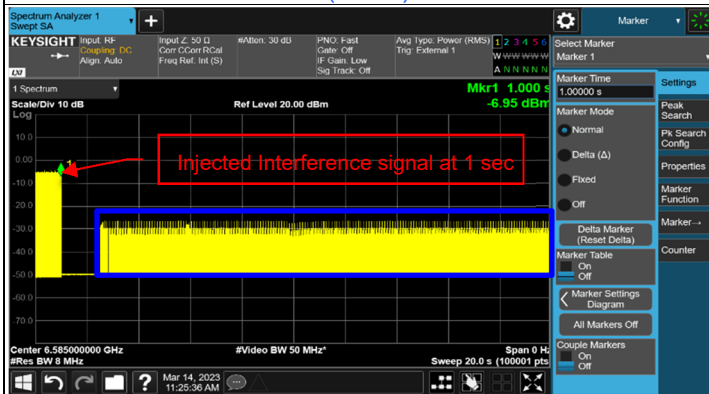
Plots of EUT ceased transmission in the time domain



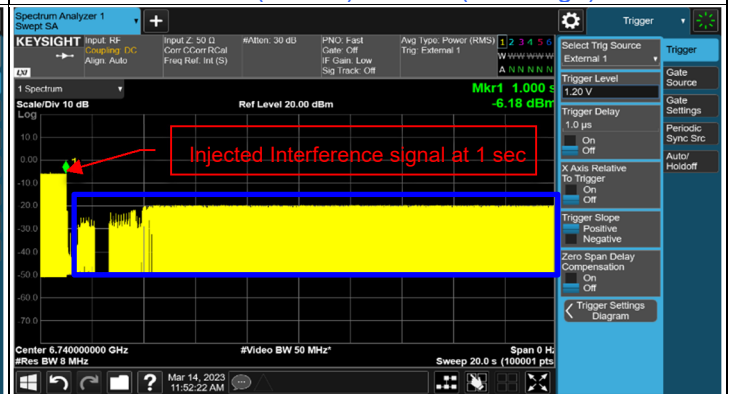
802.11be (HE20) / CH149



802.11be (HE320) / CH127(Low Edge)



802.11be (HE320) / CH127(Middle)



802.11be (HE320) / CH127(High Edge)

*That shall be EUT's channel hopping behavior and signal coupling issue, we've verified it several times internally and found that the data transmission will be hopped to adjacent channels after the interference signal is detected and confirmed that the data transmission marked in blue comes from adjacent channels(signal coupling).

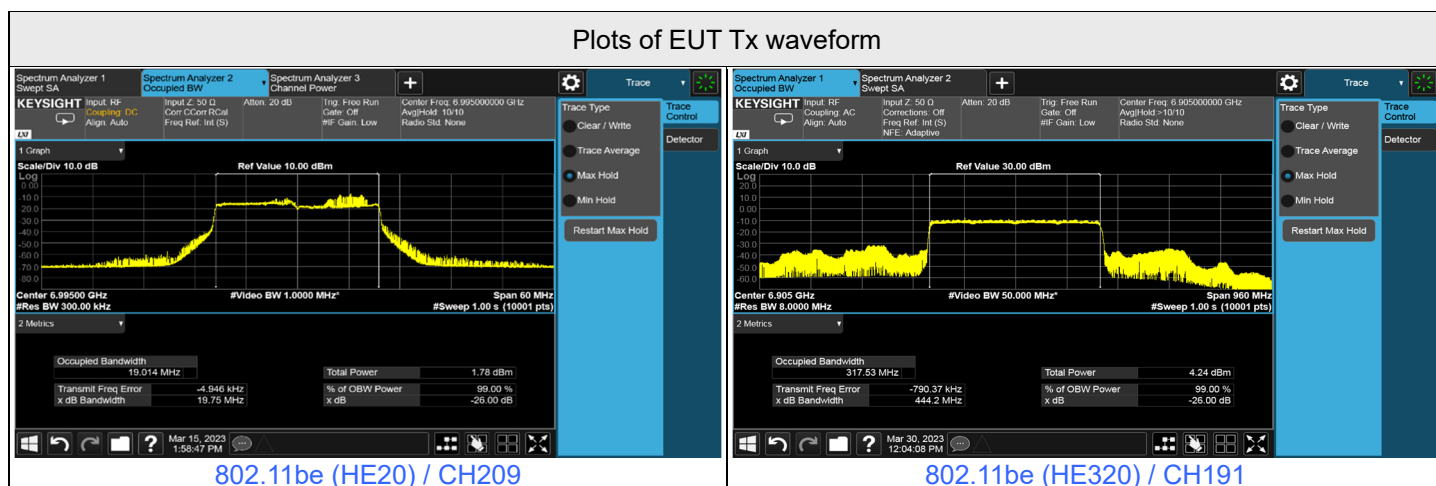
For U-NII-8

Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	209	6995	6995	-60.61	2.22	0	-62.83	-62	OFF
					-70.61	2.22	0	-72.83	-62	Minimal
					-79.78	2.22	0	-82	-62	ON
				6750	-60.61	2.22	0	-62.83	-62	OFF
					-65.61	2.22	0	-67.83	-62	Minimal
					-79.78	2.22	0	-82	-62	ON
	320	191	6905	6905	-60.61	2.22	0	-62.83	-62	OFF
					-65.61	2.22	0	-67.83	-62	Minimal
					-79.78	2.22	0	-82	-62	ON
				7060	-60.61	2.22	0	-62.83	-62	OFF
					-65.61	2.22	0	-67.83	-62	Minimal
					-79.78	2.22	0	-82	-62	ON

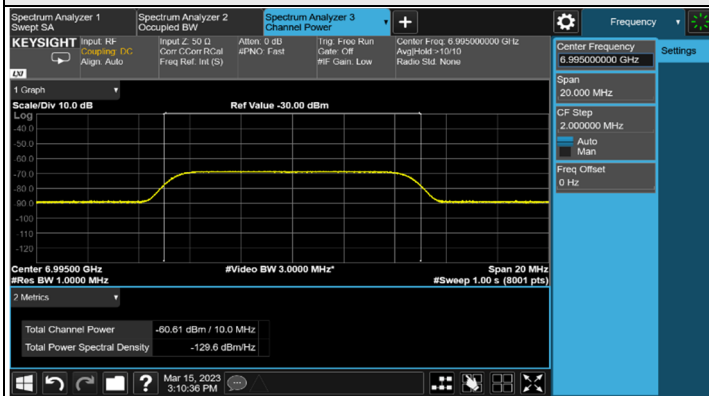
Notes:

1. After investigation (consider antenna gain and path loss), the one representative port (Chain 2) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

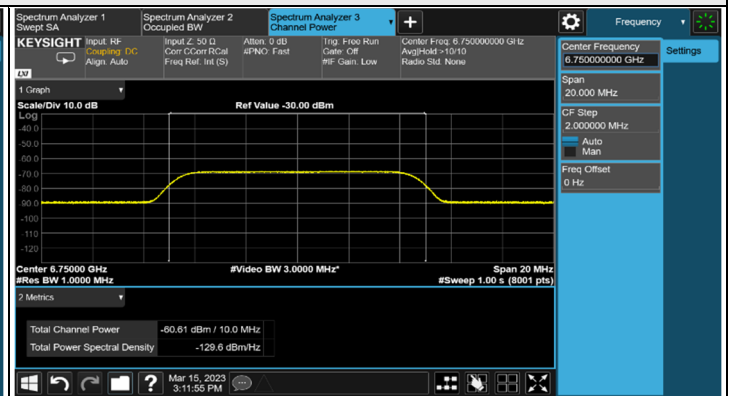
Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11be	20	6995	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	320	6750	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6905	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		7060	x	v	v	v	v	v	v	v	v	v	90%	90%	Pass



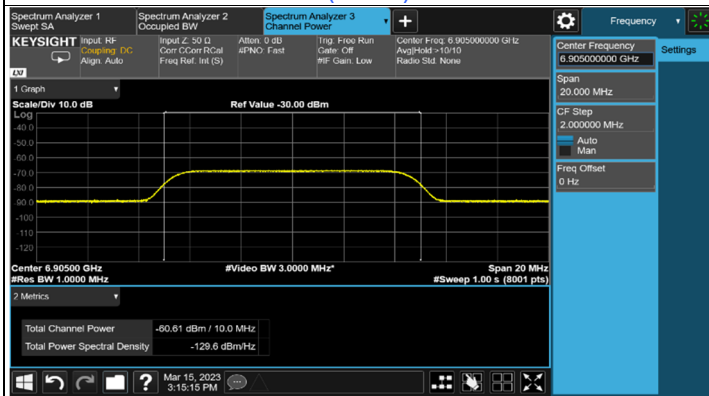
Plots of Injected signal (AWGN) level



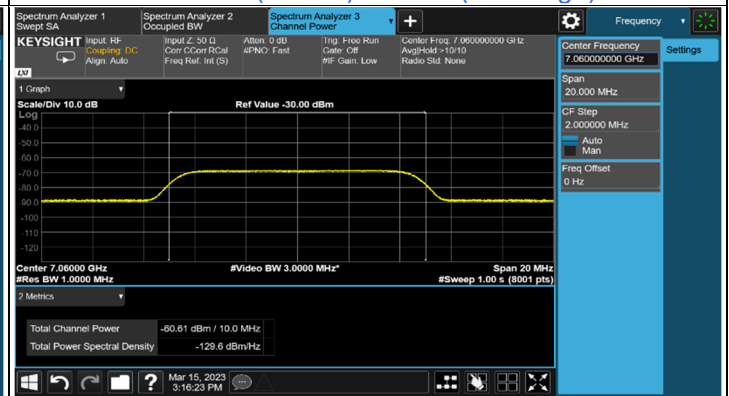
802.11be (HE20) / CH209



802.11be (HE320) / CH191(Low Edge)



802.11be (HE320) / CH191(Middle)

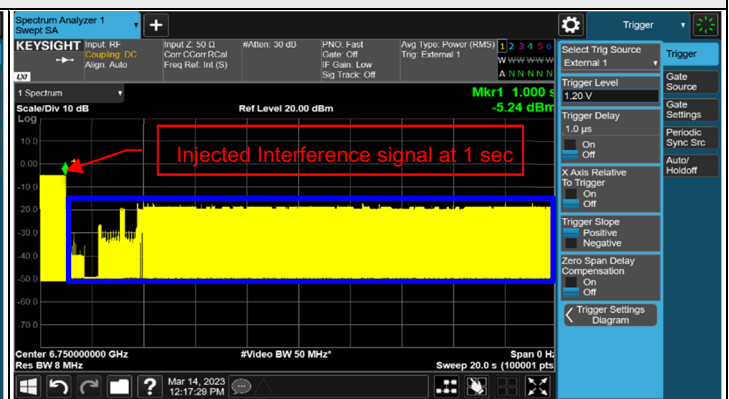


802.11be (HE320) / CH191(High Edge)

Plots of EUT ceased transmission in the time domain



802.11be (HE20) / CH209



802.11be (HE320) / CH191(Low Edge)



802.11be (HE320) / CH191(Middle)



802.11be (HE320) / CH191(High Edge)

*That shall be EUT's channel hopping behavior and signal coupling issue, we've verified it several times internally and found that the data transmission will be hopped to adjacent channels after the interference signal is detected and confirmed that the data transmission marked in blue comes from adjacent channels(signal coupling).

Mode B
For U-NII-5

Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11be	20	65	6275	6275	-60.4	2.17	0	-62.57	-62	OFF
					-71.4	2.17	0	-73.57	-62	Minimal
					-79.83	2.17	0	-82	-62	ON
	320	63	6265	6110	-60.4	2.17	0	-62.57	-62	OFF
					-67.4	2.17	0	-69.57	-62	Minimal
					-79.83	2.17	0	-82	-62	ON
		63	6265	6265	-60.4	2.17	0	-62.57	-62	OFF
					-67.4	2.17	0	-69.57	-62	Minimal
					-79.83	2.17	0	-82	-62	ON
		63	6265	6420	-60.4	2.17	0	-62.57	-62	OFF
					-67.4	2.17	0	-69.57	-62	Minimal
					-79.83	2.17	0	-82	-62	ON

Notes:

1. After investigation (consider antenna gain and path loss), the one representative port (Chain 0) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11be	20	6275	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	320	6110	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6265	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6420	v	v	v	v	v	v	v	v	v	v	v	100%	90%

