

7.2 CHANNEL AVAILABILITY CHECK TIME

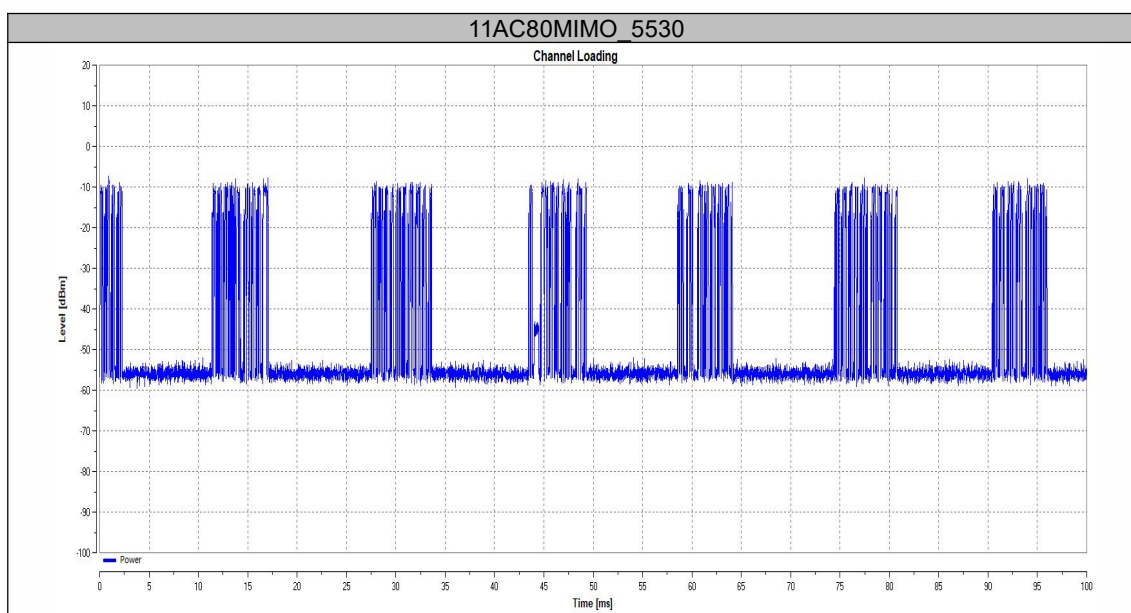
Temperature : 25°C
Humidity : 45%

ATM Pressure:: 1011 mbar
Test Engineer: GJ

If the UUT successfully detected the radar burst, it should be observed as the UUT has no transmissions occurred until the UUT starts transmitting on another channel.

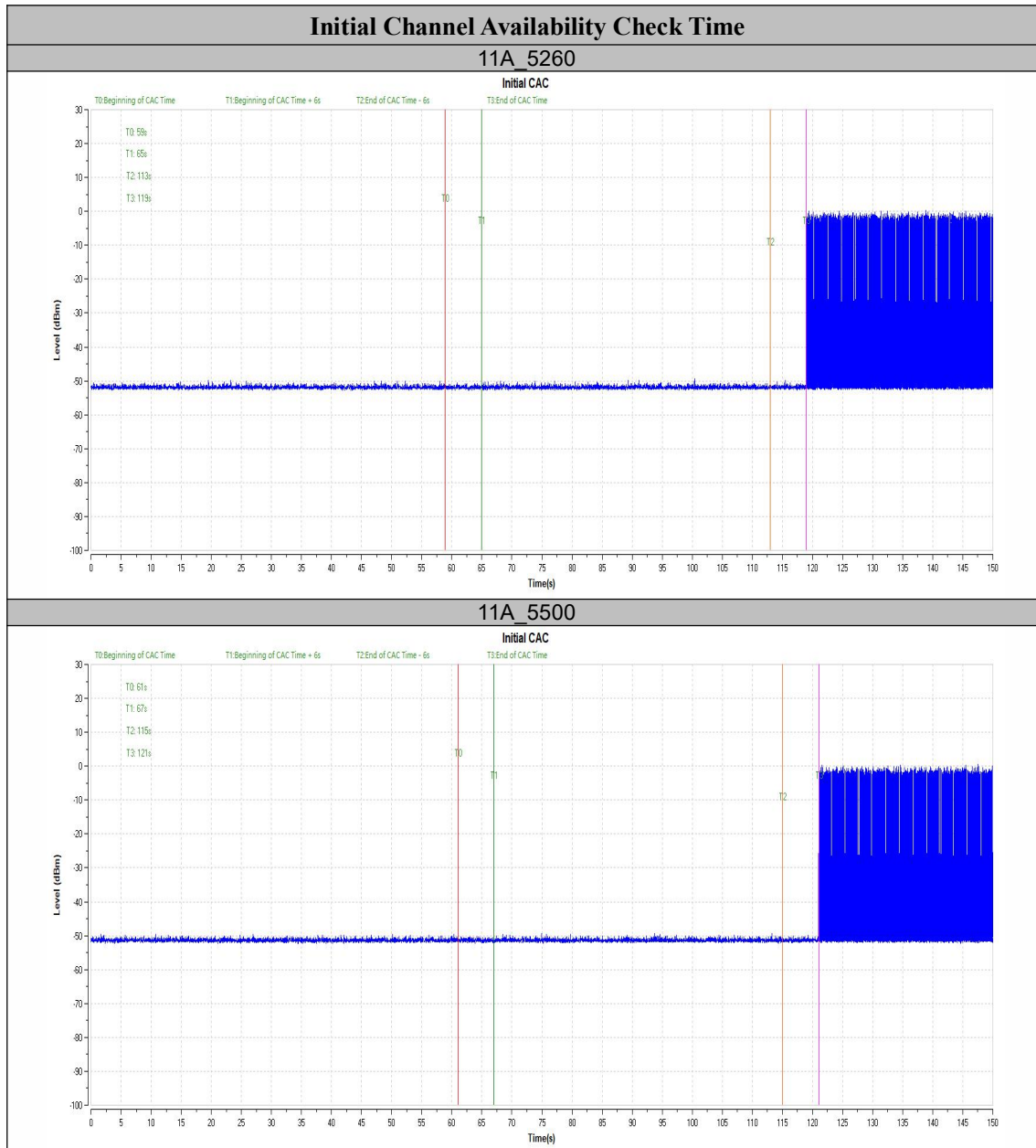
Channel Loading

Test Mode	Frequency[MHz]	Result	Limit [%]	Verdict
11AC80MIMO	5530	20.17	17	PASS



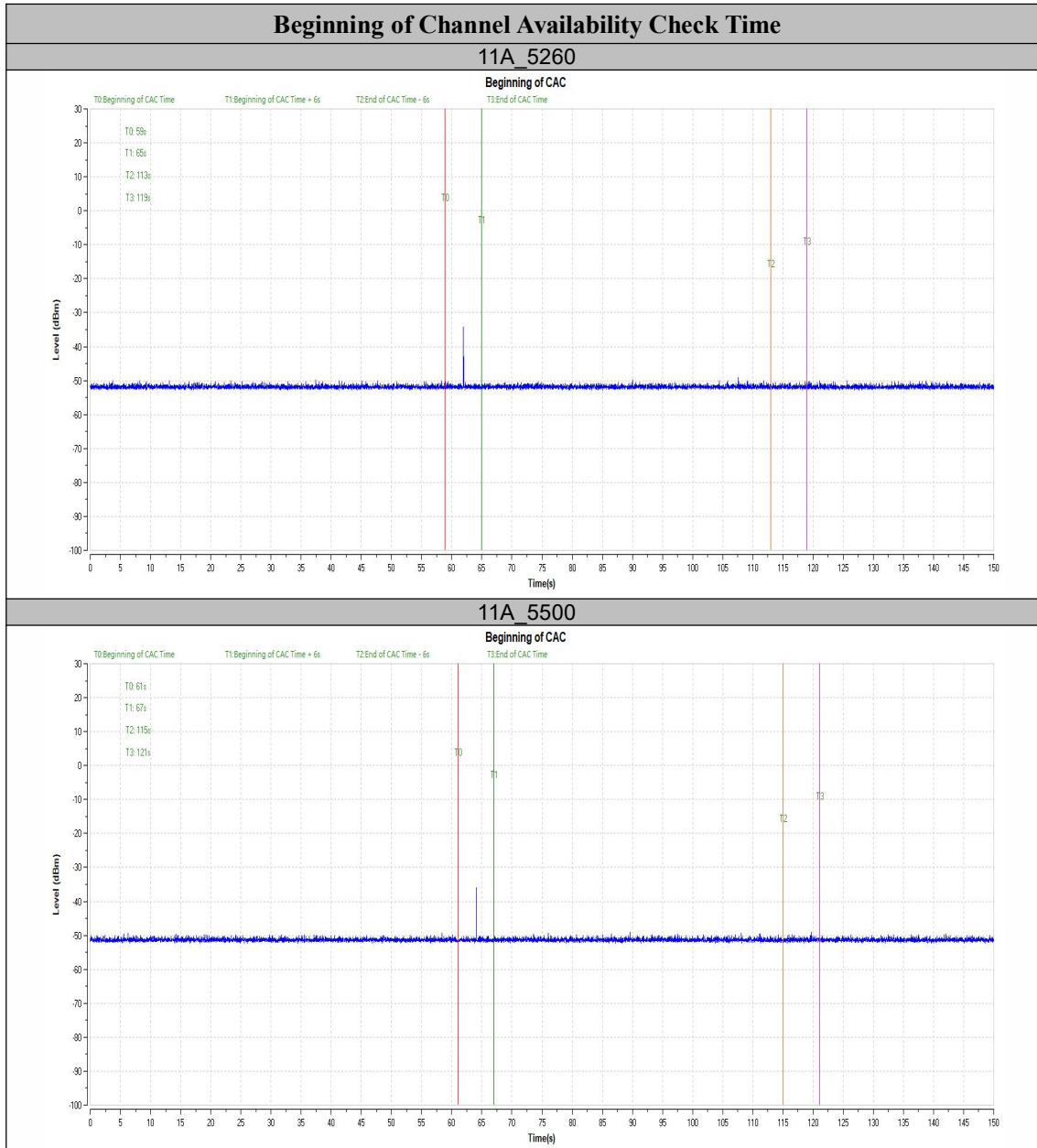
Initial Channel Availability Check Time

Test Mode	Frequency[MHz]	Result	Verdict
11A	5260	See test Graph	PASS
	5500	See test Graph	PASS



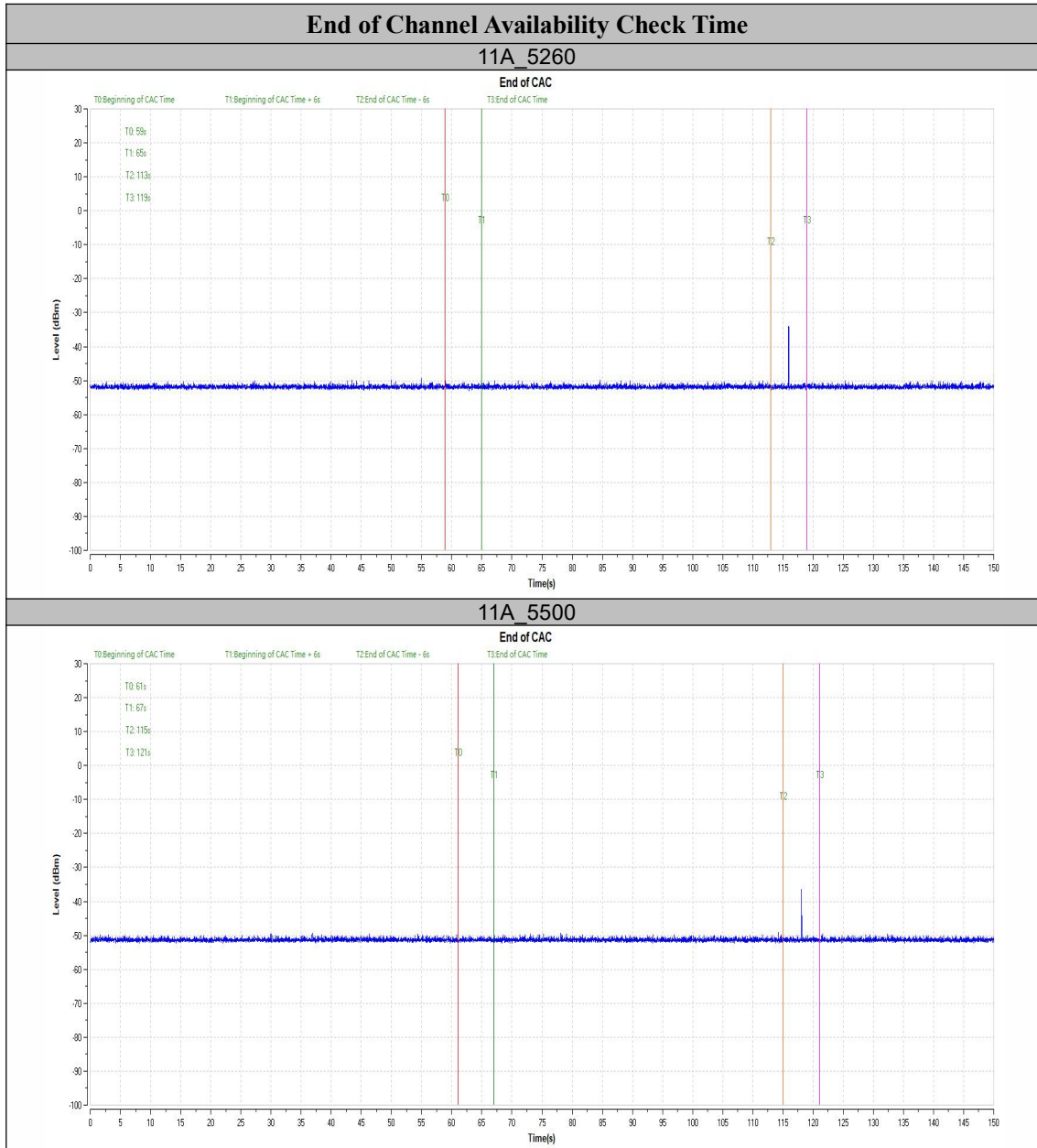
Beginning of Channel Availability Check Time

Test Mode	Frequency[MHz]	Result	Verdict
11A	5260	See test Graph	PASS
	5500	See test Graph	PASS



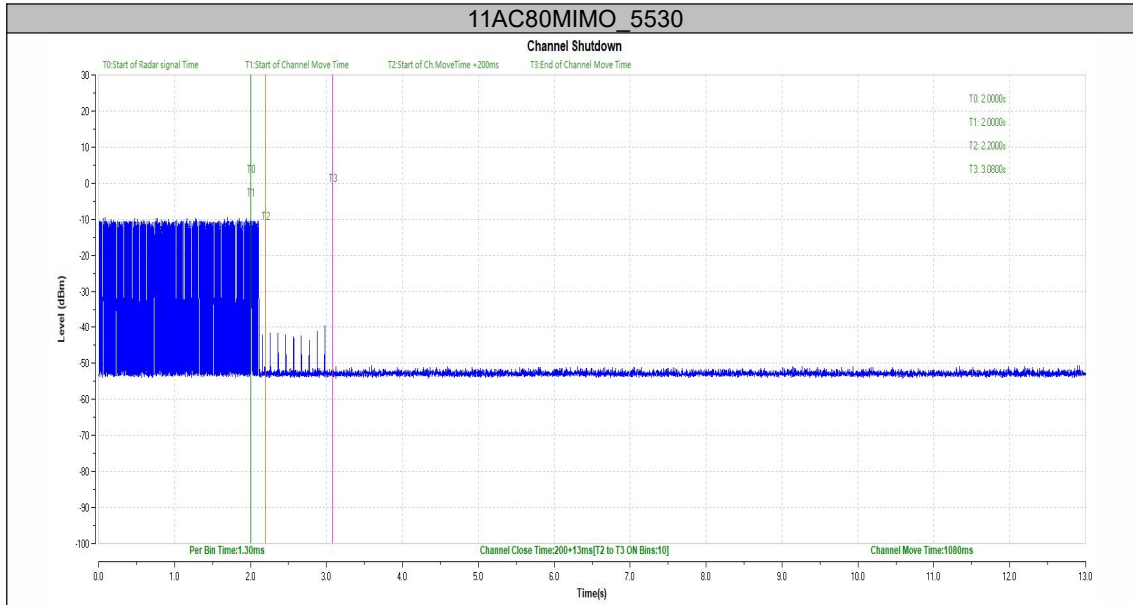
End of Channel Availability Check Time

Test Mode	Frequency[MHz]	Result	Verdict
11A	5260	See test Graph	PASS
	5500	See test Graph	PASS



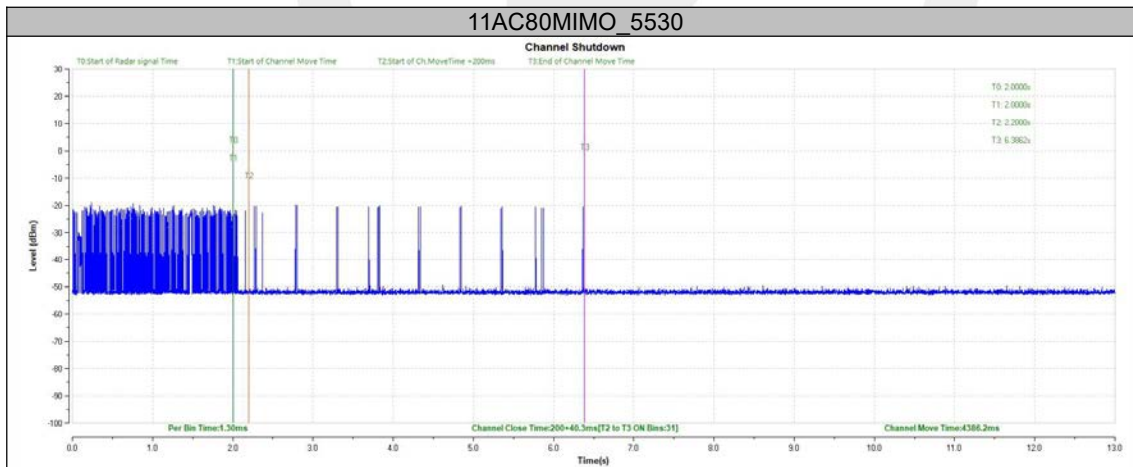
Channel Move Time and Channel Closing

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5530	200+13	200+60	1080	10000	PASS



For Bridge Mode:

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5530	200+40.3	200+60	4386.2	10000	PASS



Statistical Performance check

TestMode	Frequency[MHz]	Radar Type	Pass Times	Fail Times	Probability (%)	Limit (%)	Verdict
11A	5260	Type1	29	1	96.67	60	PASS
		Type2	27	3	90.00	60	PASS
		Type3	28	2	93.33	60	PASS
		Type4	29	1	96.67	60	PASS
		Type 1-4	---	---	94.17	80	PASS
	5500	Type1	29	1	96.67	60	PASS
		Type2	28	2	93.33	60	PASS
		Type3	28	2	93.33	60	PASS
		Type4	29	1	96.67	60	PASS
		Type 1-4	---	---	95.00	80	PASS
11N40MIMO	5270	Type1	29	1	96.67	60	PASS
		Type2	29	1	96.67	60	PASS
		Type3	27	3	90.00	60	PASS
		Type4	29	1	96.67	60	PASS
		Type 1-4	---	---	95.00	80	PASS
	5510	Type1	29	1	96.67	60	PASS
		Type2	30	0	100.00	60	PASS
		Type3	27	3	90.00	60	PASS
		Type4	28	2	93.33	60	PASS
		Type 1-4	---	---	95.00	80	PASS
11AC80MIMO	5530	Type1	28	2	93.33	60	PASS
		Type2	29	1	96.67	60	PASS
		Type3	30	0	100.00	60	PASS
		Type4	29	1	96.67	60	PASS
		Type 1-4	---	---	96.67	80	PASS
		Type5	29	1	96.67	70	PASS
		Type6	29	1	96.67	80	PASS

TestMode	Frequency[MHz]	Radar Type	Trial ID	Detection (1: Yes; 0: No)
11A	5260	Type1	0	1
		Type1	1	1
		Type1	2	1
		Type1	3	1
		Type1	4	1
		Type1	5	1
		Type1	6	1
		Type1	7	1
		Type1	8	1
		Type1	9	1
		Type1	10	1
		Type1	11	1
		Type1	12	0
		Type1	13	1
		Type1	14	1
		Type1	15	1
		Type1	16	1
		Type1	17	1
		Type1	18	1
		Type1	19	1
		Type1	20	1
		Type1	21	1
		Type1	22	1
		Type1	23	1
		Type1	24	1
		Type1	25	1
		Type1	26	1
		Type1	27	1
		Type1	28	1
		Type1	29	1
		Type2	0	1
		Type2	1	1
		Type2	2	1
		Type2	3	1
		Type2	4	1
		Type2	5	1
		Type2	6	1
		Type2	7	0
		Type2	8	1
		Type2	9	1
		Type2	10	1
		Type2	11	1
		Type2	12	1
		Type2	13	1
		Type2	14	1
		Type2	15	1
		Type2	16	1
		Type2	17	0
		Type2	18	1
		Type2	19	1
		Type2	20	1
		Type2	21	1
		Type2	22	1
		Type2	23	1
		Type2	24	0
		Type2	25	1
		Type2	26	1
		Type2	27	1
		Type2	28	1

	Type2	29	1
	Type3	0	1
	Type3	1	1
	Type3	2	1
	Type3	3	1
	Type3	4	1
	Type3	5	1
	Type3	6	0
	Type3	7	1
	Type3	8	1
	Type3	9	1
	Type3	10	1
	Type3	11	1
	Type3	12	1
	Type3	13	1
	Type3	14	1
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	Type3	16	1
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	Type3	23	1
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	Type3	29	1
	Type4	0	1
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	Type4	25	1
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Type2	2	1
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Type2	27	1
Type2	28	1
Type2	29	1
Type3	0	1
Type3	1	1
Type3	2	1

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		Type3	9	1
		Type3	10	1
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		Type3	25	0
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		Type3	27	1
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		Type4	0	1
		Type4	1	1
		Type4	2	1
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		Type3	17	1
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Type3	10	1

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		Type3	17	1
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		Type3	20	1
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		Type3	22	0
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		Type3	29	1
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		Type4	19	1
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		Type4	26	1
		Type4	27	1
		Type4	28	1
		Type4	29	1
11AC80MIMO	5530	Type1	0	1
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		Type1	12	1

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		Type4	16	1
		Type4	17	1
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		Type4	19	1
		Type4	20	1
		Type4	21	0
		Type4	22	1
		Type4	23	1
		Type4	24	1
		Type4	25	1
		Type4	26	1
		Type4	27	1
		Type4	28	1
		Type4	29	1

		Type5	0	1
		Type5	1	1
		Type5	2	1
		Type5	3	1
		Type5	4	1
		Type5	5	1
		Type5	6	1
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		Type5	10	1
		Type5	11	1
		Type5	12	1
		Type5	13	1
		Type5	14	1
		Type5	15	1

11AC80MIMO

5530

	Type5	16	1
	Type5	17	1
	Type5	18	1
	Type5	19	1
	Type5	20	1
	Type5	21	1
	Type5	22	1
	Type5	23	1
	Type5	24	1
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	Type5	26	1
	Type5	27	1
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	Type6	0	1
	Type6	1	1
	Type6	2	1
	Type6	3	1
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	Type6	27	1
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Note:

The detailed parameters of the radar signal can be found in the local corresponding table file(in the software local folder DFS_Wave List).

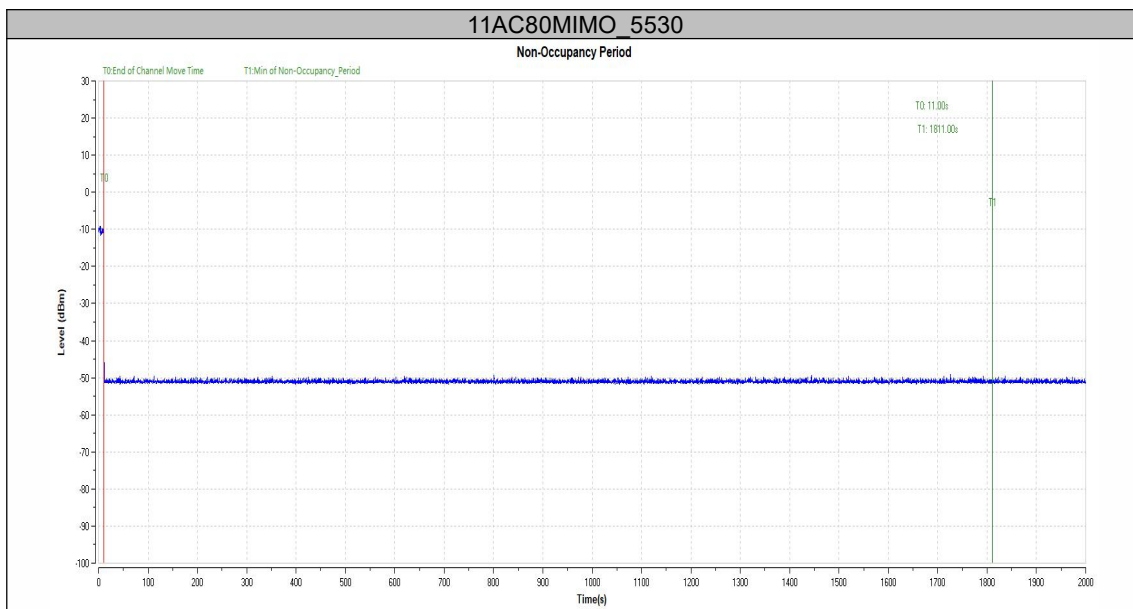
7.3 NON- OCCUPANCY PERIOD

Temperature : 25℃
Humidity : 45%

ATM Pressure:: 1011 mbar
Test Engineer: GJ

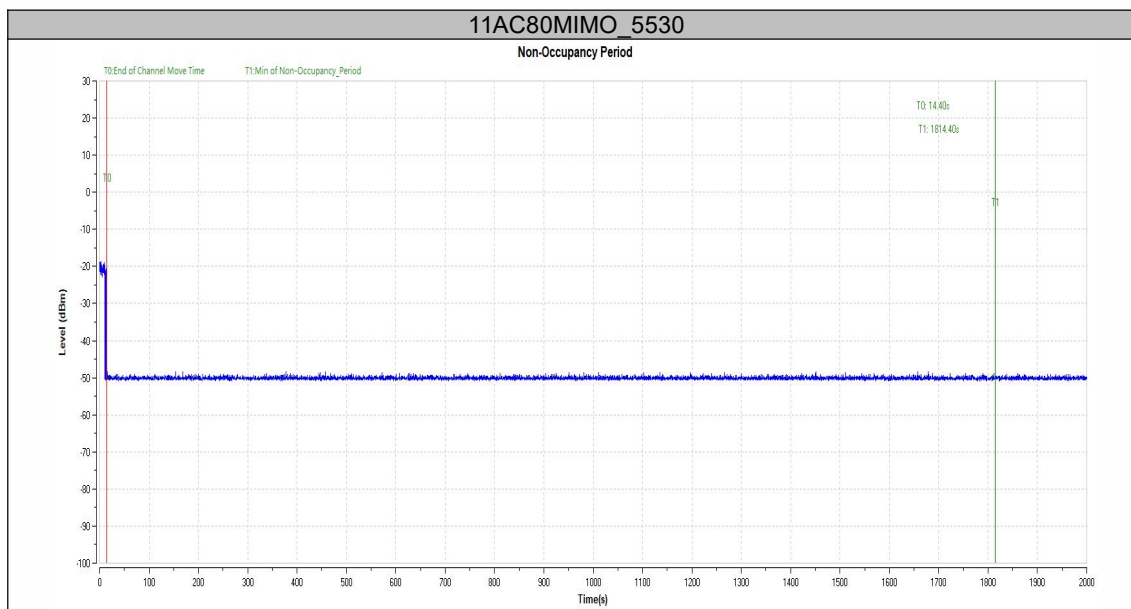
During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11AC80MIMO	5530	see test graph	≥1800	PASS



For Bridge Mode:

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11AC80MIMO	5530	see test graph	≥1800	PASS



Note: All the modes are tested, only the worst data are described in the report.

7.4 UNIFORM SPREADING

The intention of the uniform spreading is to provide, on aggregate, a uniform loading of the spectrum. The UUT using the bands 5250 to 5350MHz and 5470 to 5600 MHz channels so that the probability of electing a given channel shall be the same for channels. The UUT will select channel by random mode and remember this channel when detect radar signal, so that will select unused channel by random mode.

7.5 U-NII DETECTION BANDWIDTH

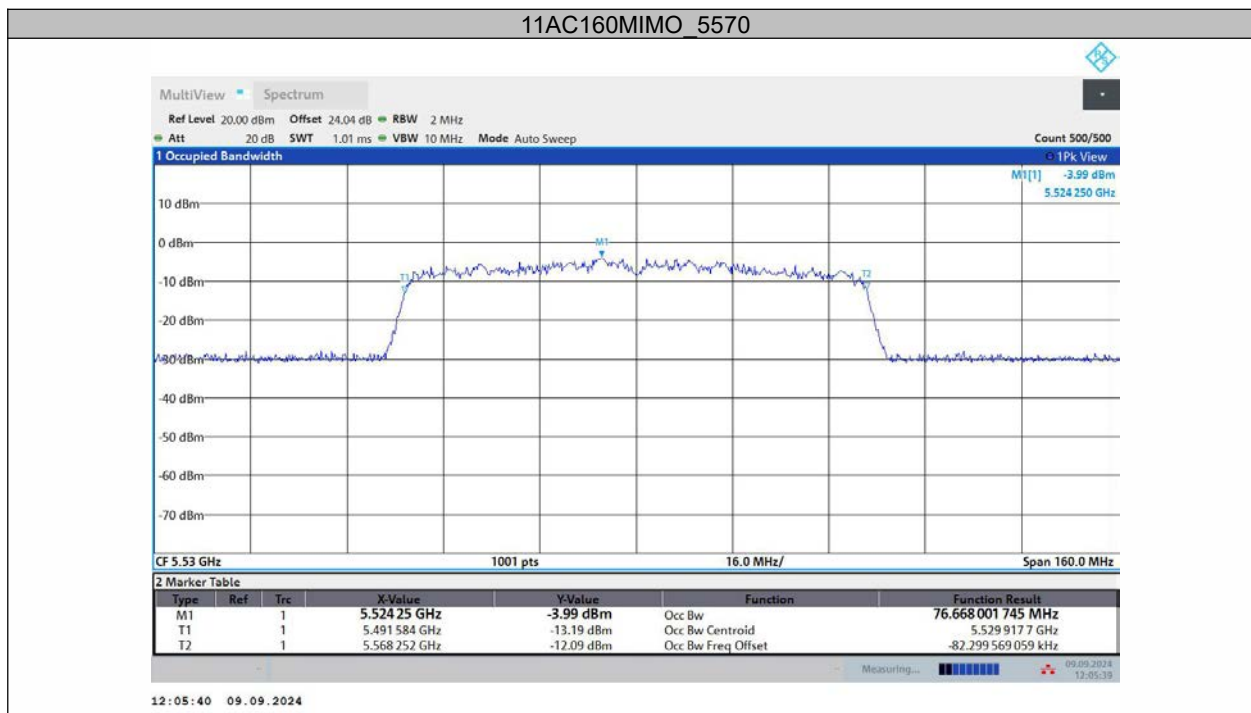
Temperature : 25℃
Humidity : 45%

ATM Pressure:: 1011 mbar
Test Engineer: GJ

TestMode	Frequency[MHz]	FL[MHz]	FH[MHz]	Detection Bandwidth [MHz]	OCB [MHz]	Ratio [%]	Limit [%]	Verdict
11A	5260	5250	5270	20	17.126	116.78	≥100	PASS
	5500	5490	5510	20	17.195	116.31	≥100	PASS
11N40MIMO	5270	5250	5290	40	36.663	109.10	≥100	PASS
	5510	5490	5530	40	36.959	108.23	≥100	PASS
11AC80MIMO	5530	5490	5570	80	76.668	104.35	≥100	PASS

Test Mode	Frequency [MHz]	Radar Freq.	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Trial 6	Trial 7	Trial 8	Trial 9	Trial 10	Ratio (%)
11A	5260	5249	1	1	1	0	1	1	1	0	1	1	80
		5250	1	1	0	1	1	1	1	1	1	1	90
		5255	1	1	1	1	0	1	1	1	1	1	90
		5260	1	1	1	1	1	1	1	1	1	1	100
		5265	1	1	1	1	1	1	1	1	1	1	100
		5270	1	1	1	1	0	1	1	1	1	1	90
		5271	1	0	1	1	1	1	1	0	1	1	80
	5500	5489	1	1	1	0	1	1	1	1	0	1	80
		5490	1	1	1	1	1	0	1	1	1	1	90
		5495	1	1	1	1	1	1	1	1	1	1	100
		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
		5511	1	1	1	1	1	0	1	0	1	1	80
11N40MIMO	5270	5249	1	1	1	0	1	1	1	1	0	1	80
		5250	1	1	1	1	1	1	0	1	1	1	90
		5255	1	1	1	1	1	0	1	1	1	1	90
		5260	1	1	1	1	1	1	1	1	1	1	100
		5265	1	1	1	1	1	1	1	1	1	1	100
		5270	1	1	1	1	1	1	1	1	1	1	100
		5275	1	1	1	1	1	1	1	1	1	1	100
		5280	1	1	1	1	1	1	1	1	1	1	100
		5285	1	1	1	1	1	1	1	0	1	1	90
		5290	1	1	1	1	1	1	1	0	1	1	90
	5510	5291	1	0	1	1	1	1	0	1	1	1	80
		5489	1	1	0	1	1	1	0	1	1	1	80
		5490	1	1	1	1	0	1	1	1	1	1	90
		5495	1	1	1	1	1	0	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	1	1	1	1	1	1	1	100
		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	0	1	1	90
11AC80MIMO	5530	5530	1	1	1	0	1	1	1	1	1	1	90
		5531	1	1	0	1	1	1	1	0	1	1	80
		5489	1	1	1	0	1	1	1	0	1	1	80
		5490	1	1	0	1	1	1	1	1	1	1	90
		5495	1	1	1	1	1	1	0	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	1	1	1	1	1	1	1	100
		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
		5505	1	1	1	1	1	1	1	1	1	1	100
		5510	1	1	1	1	1	1	1	1	1	1	100
		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	0	1	1	1	1	90
	5535	1	1	1	0	1	1	1	1	1	1	90
	5540	1	1	0	1	1	1	1	1	1	1	90
	5541	1	1	1	1	1	0	1	1	1	1	90



--- End of Report ---

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