

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
18	Type 6	1	333.3	9	0.3333	300	12
	Frequency List (MHz)	0	1	2	3	4	
	0	5291	5463	5607	5462	5632	
	5	5603	5258	5560	5674	5326	
	10	5274	5341	5491	5392	5636	
	15	5434	5332	5305	5673	5430	
	20	5400	5711	5293	5419	5317	
	25	5381	5254	5303	5672	5345	
	30	5611	5649	5619	5403	5541	
	35	5596	5585	5623	5633	5438	
	40	5647	5665	5359	5374	5466	
	45	5666	5516	5589	5706	5586	
	50	5394	5312	5646	5661	5493	
	55	5543	5599	5273	5476	5276	
	60	5455	5664	5498	5580	5618	
	65	5338	5531	5435	5629	5424	
	70	5311	5309	5314	5450	5310	
	75	5290	5640	5410	5609	5333	
	80	5461	5275	5518	5572	5620	
	85	5506	5282	5342	5330	5573	
	90	5718	5557	5517	5601	5708	
	95	5298	5525	5405	5304	5682	

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
19	Type 6	1	333.3	9	0.3333	300	17
	Frequency List (MHz)	0	1	2	3	4	
	0	5546	5702	5543	5623	5377	
	5	5645	5280	5635	5265	5335	
	10	5257	5590	5315	5439	5512	
	15	5383	5288	5440	5594	5681	
	20	5596	5273	5649	5373	5502	
	25	5620	5622	5518	5415	5393	
	30	5289	5629	5560	5385	5372	
	35	5283	5494	5337	5510	5424	
	40	5706	5571	5361	5435	5479	
	45	5442	5519	5456	5392	5290	
	50	5282	5297	5679	5716	5500	
	55	5600	5275	5464	5672	5308	
	60	5577	5401	5390	5447	5450	
	65	5608	5334	5507	5615	5524	
	70	5285	5322	5430	5433	5621	
	75	5662	5719	5589	5528	5515	
	80	5292	5462	5566	5307	5284	
	85	5296	5474	5724	5399	5710	
	90	5250	5353	5509	5303	5597	
	95	5407	5428	5562	5678	5300	

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
20	Type 6	1	333.3	9	0.3333	300	20
	Frequency List (MHz)	0	1	2	3	4	
	0	5704	5466	5479	5309	5597	
	5	5687	5680	5710	5428	5639	
	10	5566	5379	5356	5634	5533	
	15	5471	5318	5543	5422	5311	
	20	5592	5665	5641	5443	5390	
	25	5569	5350	5622	5449	5435	
	30	5653	5586	5300	5537	5667	
	35	5325	5585	5608	5269	5521	
	40	5263	5314	5509	5504	5529	
	45	5408	5528	5525	5393	5572	
	50	5343	5646	5333	5386	5502	
	55	5660	5688	5554	5465	5677	
	60	5338	5326	5454	5260	5615	
	65	5403	5347	5591	5396	5555	
	70	5515	5579	5601	5527	5387	
	75	5261	5707	5291	5550	5602	
	80	5439	5257	5370	5692	5498	
	85	5512	5487	5719	5401	5650	
	90	5335	5402	5255	5659	5722	
	95	5364	5493	5676	5510	5700	

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
21	Type 6	1	333.3	9	0.3333	300	18
	Frequency List (MHz)	0	1	2	3	4	
	0	5484	5705	5415	5470	5439	
	5	5351	5702	5310	5591	5371	
	10	5497	5265	5494	5354	5554	
	15	5559	5445	5646	5370	5503	
	20	5600	5356	5252	5255	5416	
	25	5656	5421	5456	5251	5483	
	30	5477	5542	5543	5418	5311	
	35	5390	5464	5676	5501	5422	
	40	5435	5674	5447	5269	5526	
	45	5337	5508	5608	5451	5625	
	50	5522	5642	5384	5475	5703	
	55	5507	5401	5655	5496	5309	
	60	5455	5619	5680	5326	5414	
	65	5345	5492	5295	5318	5273	
	70	5587	5530	5711	5615	5666	
	75	5638	5670	5622	5583	5691	
	80	5367	5626	5381	5561	5412	
	85	5682	5718	5589	5286	5289	
	90	5553	5314	5329	5261	5465	
	95	5541	5463	5574	5671	5458	

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
22	Type 6	1	333.3	9	0.3333	300	23
	Frequency List (MHz)	0	1	2	3	4	
	0	5264	5469	5351	5631	5659	
	5	5393	5627	5385	5279	5578	
	10	5428	5529	5535	5549	5575	
	15	5647	5572	5274	5415	5695	
	20	5608	5425	5668	5722	5389	
	25	5544	5370	5355	5517	5616	
	30	5528	5500	5633	5463	5685	
	35	5603	5292	5297	5349	5513	
	40	5577	5509	5523	5644	5488	
	45	5691	5412	5678	5495	5398	
	50	5343	5435	5564	5526	5451	
	55	5589	5462	5315	5280	5584	
	60	5309	5625	5336	5615	5294	
	65	5530	5702	5565	5596	5345	
	70	5670	5630	5560	5591	5607	
	75	5693	5468	5477	5407	5545	
	80	5721	5409	5402	5525	5552	
	85	5381	5483	5340	5326	5609	
	90	5494	5364	5499	5423	5465	
	95	5518	5558	5569	5716	5718	

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
23	Type 6	1	333.3	9	0.3333	300	14
	Frequency List (MHz)	0	1	2	3	4	
	0	5519	5708	5287	5695	5501	
	5	5435	5649	5460	5442	5407	
	10	5262	5318	5576	5269	5596	
	15	5638	5699	5377	5412	5591	
	20	5706	5336	5362	5432	5697	
	25	5387	5556	5454	5658	5417	
	30	5457	5373	5712	5408	5645	
	35	5480	5568	5350	5360	5352	
	40	5660	5323	5652	5520	5573	
	45	5468	5299	5470	5634	5285	
	50	5274	5486	5275	5349	5298	
	55	5680	5416	5463	5512	5251	
	60	5713	5474	5667	5683	5453	
	65	5282	5438	5718	5566	5534	
	70	5399	5514	5656	5633	5409	
	75	5567	5584	5338	5545	5623	
	80	5490	5663	5612	5309	5406	
	85	5694	5525	5499	5448	5294	
	90	5574	5332	5659	5370	5436	
	95	5477	5415	5542	5467	5319	

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
24	Type 6	1	333.3	9	0.3333	300	13
	Frequency List (MHz)	0	1	2	3	4	
	0	5299	5472	5698	5381	5721	
	5	5477	5574	5535	5508	5614	
	10	5668	5582	5617	5367	5251	
	15	5351	5383	5505	5604	5527	
	20	5660	5647	5328	5335	5549	
	25	5590	5488	5700	5403	5414	
	30	5588	5389	5703	5309	5571	
	35	5364	5503	5274	5666	5365	
	40	5261	5417	5517	5405	5448	
	45	5382	5528	5687	5695	5537	
	50	5717	5393	5370	5653	5331	
	55	5600	5270	5639	5612	5515	
	60	5376	5667	5269	5252	5677	
	65	5586	5642	5258	5636	5543	
	70	5458	5479	5623	5400	5444	
	75	5301	5372	5428	5341	5575	
	80	5290	5316	5345	5347	5627	
	85	5349	5470	5565	5432	5628	
	90	5676	5447	5672	5552	5468	
	95	5469	5359	5321	5325	5678	

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
25	Type 6	1	333.3	9	0.3333	300	16
	Frequency List (MHz)	0	1	2	3	4	
	0	5457	5711	5634	5542	5563	
	5	5616	5596	5610	5671	5346	
	10	5599	5371	5658	5562	5638	
	15	5339	5381	5486	5453	5321	
	20	5535	5351	5588	5417	5308	
	25	5586	5498	5318	5289	5522	
	30	5364	5292	5706	5426	5448	
	35	5662	5257	5656	5663	5505	
	40	5674	5657	5514	5334	5428	
	45	5465	5489	5265	5437	5404	
	50	5396	5373	5564	5581	5324	
	55	5368	5625	5571	5399	5329	
	60	5557	5347	5677	5271	5462	
	65	5541	5576	5383	5280	5250	
	70	5261	5485	5519	5502	5578	
	75	5525	5604	5652	5613	5700	
	80	5435	5400	5609	5331	5635	
	85	5385	5281	5299	5595	5350	
	90	5382	5407	5695	5546	5683	
	95	5607	5263	5655	5550	5459	

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
26	Type 6	1	333.3	9	0.3333	300	15
	Frequency List (MHz)	0	1	2	3	4	
	0	5712	5475	5570	5703	5308	
	5	5658	5521	5685	5359	5650	
	10	5433	5257	5699	5282	5659	
	15	5427	5508	5589	5498	5610	
	20	5446	5420	5626	5409	5281	
	25	5377	5350	5424	5393	5556	
	30	5406	5656	5328	5315	5721	
	35	5587	5278	5528	5431	5674	
	40	5441	5531	5515	5422	5608	
	45	5263	5408	5548	5547	5318	
	50	5324	5280	5572	5639	5542	
	55	5671	5294	5558	5347	5494	
	60	5502	5654	5600	5692	5663	
	65	5662	5577	5311	5414	5661	
	70	5352	5711	5361	5334	5398	
	75	5461	5289	5698	5668	5585	
	80	5429	5723	5481	5629	5595	
	85	5300	5329	5331	5597	5598	
	90	5624	5368	5645	5679	5485	
	95	5707	5563	5591	5636	5537	

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
27	Type 6	1	333.3	9	0.3333	300	19
	Frequency List (MHz)	0	1	2	3	4	
	0	5492	5714	5506	5389	5625	
	5	5700	5543	5285	5522	5382	
	10	5364	5521	5265	5477	5680	
	15	5418	5635	5692	5327	5454	
	20	5586	5567	5498	5254	5299	
	25	5627	5594	5590	5448	5642	
	30	5661	5564	5541	5629	5369	
	35	5324	5584	5588	5280	5614	
	40	5453	5565	5605	5570	5291	
	45	5631	5371	5589	5534	5273	
	50	5690	5494	5355	5482	5707	
	55	5641	5513	5657	5659	5544	
	60	5486	5426	5638	5611	5516	
	65	5618	5684	5464	5697	5658	
	70	5374	5420	5258	5721	5566	
	75	5681	5358	5262	5696	5297	
	80	5621	5709	5439	5672	5304	
	85	5616	5368	5491	5475	5341	
	90	5580	5318	5281	5380	5519	
	95	5537	5362	5645	5524	5325	

Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
28	Type 6	1	333.3	9	0.3333	300	18
	Frequency List (MHz)	0	1	2	3	4	
	0	5272	5478	5539	5550	5370	
	5	5267	5565	5360	5588	5589	
	10	5295	5310	5306	5672	5701	
	15	5506	5287	5320	5491	5519	
	20	5462	5655	5508	5490	5702	
	25	5531	5626	5355	5698	5624	
	30	5717	5401	5716	5264	5293	
	35	5557	5692	5262	5502	5594	
	40	5319	5391	5330	5602	5499	
	45	5271	5336	5663	5424	5476	
	50	5410	5449	5266	5342	5317	
	55	5299	5670	5564	5463	5460	
	60	5387	5311	5349	5489	5415	
	65	5252	5681	5687	5560	5552	
	70	5353	5576	5593	5683	5464	
	75	5507	5350	5379	5605	5366	
	80	5382	5547	5361	5371	5518	
	85	5385	5721	5294	5341	5612	
	90	5378	5621	5389	5457	5292	
	95	5534	5497	5412	5374	5597	

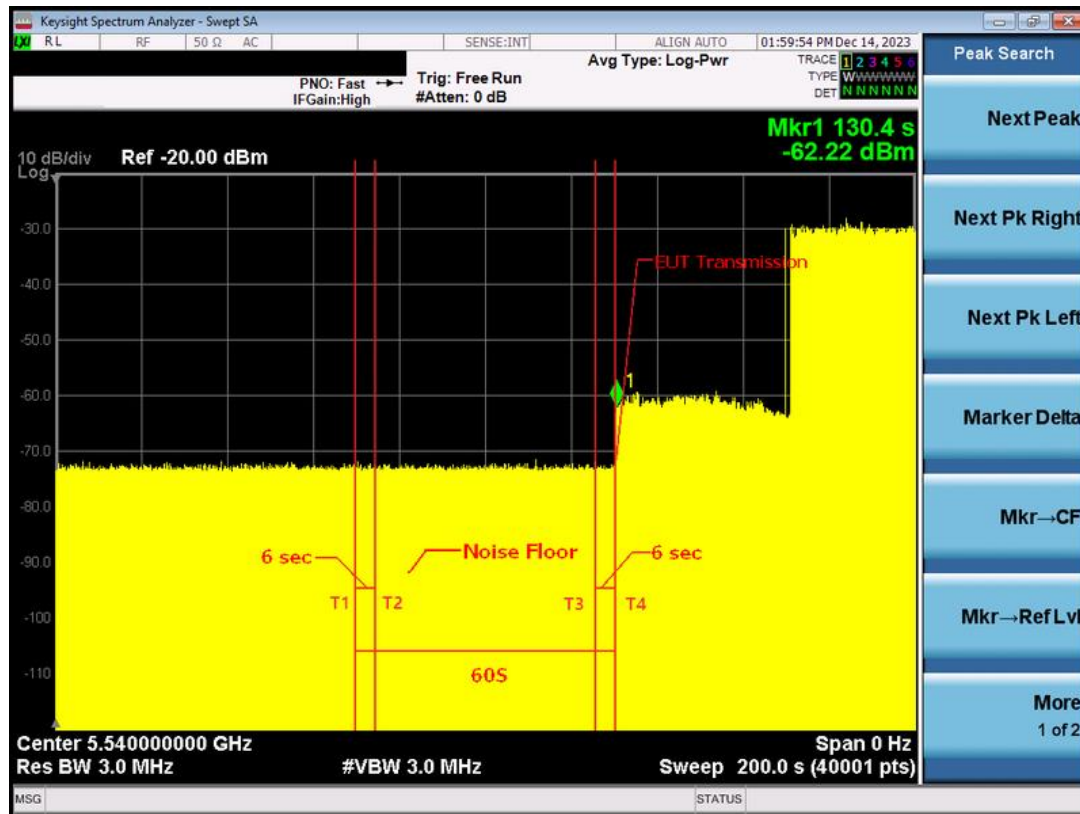
Trial ID	Radar Type	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
29	Type 6	1	333.3	9	0.3333	300	15
	Frequency List (MHz)	0	1	2	3	4	
	0	5430	5717	5475	5711	5687	
	5	5406	5490	5435	5276	5321	
	10	5604	5574	5444	5295	5722	
	15	5594	5414	5326	5536	5373	
	20	5346	5546	5579	5675	5419	
	25	5478	5558	5327	5658	5629	
	30	5420	5674	5519	5559	5432	
	35	5648	5488	5512	5513	5433	
	40	5402	5329	5570	5599	5331	
	45	5251	5624	5477	5266	5286	
	50	5625	5317	5431	5518	5621	
	55	5653	5279	5358	5343	5514	
	60	5434	5650	5627	5413	5509	
	65	5491	5660	5371	5545	5665	
	70	5291	5467	5259	5338	5486	
	75	5428	5528	5613	5481	5299	
	80	5549	5309	5612	5695	5681	
	85	5581	5422	5540	5386	5699	
	90	5503	5446	5256	5462	5640	
	95	5427	5377	5487	5398	5307	

9.4 CHANNEL AVAILABILITY CHECK TIME

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.

IEEE 802.11a Mode

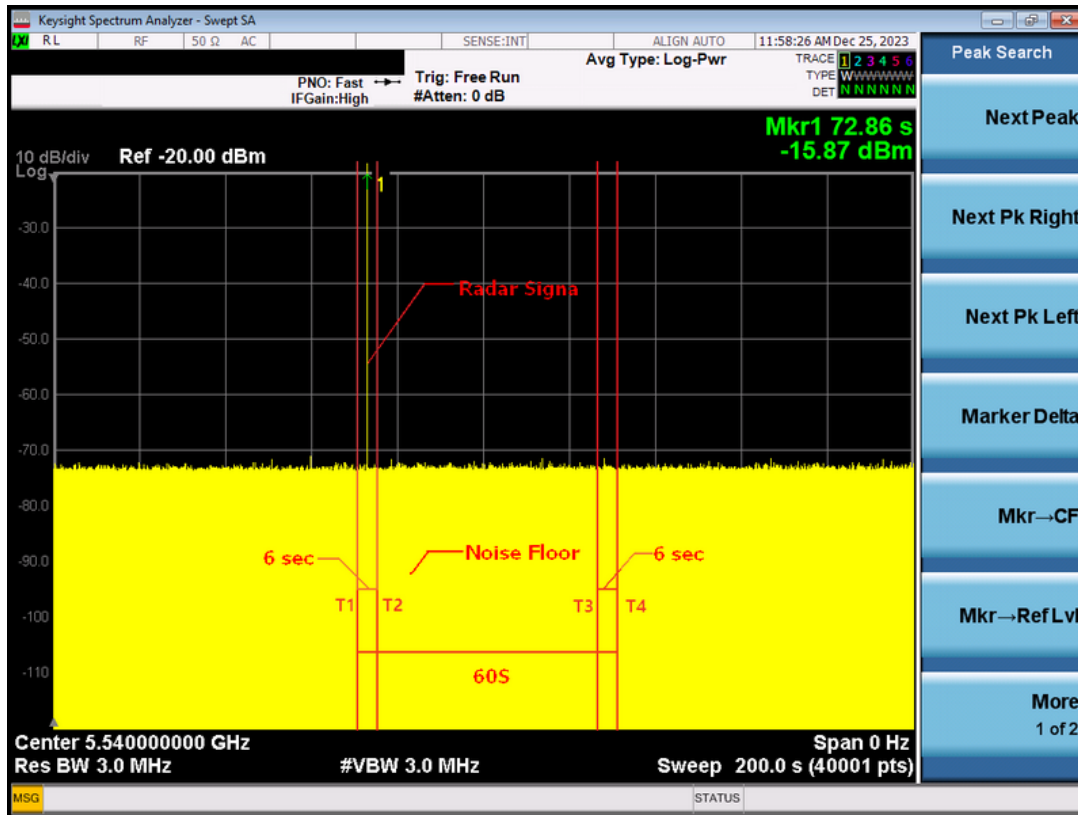
Initial Channel Availability Check Time



Note: T1 denotes the end of power-up time period is 70.4 second.
T4 denotes the end of Channel Availability Check time is 130.4 second. Channel Availability Check time is equal to (T4 - T1) 60 seconds.

IEEE 802.11a Mode

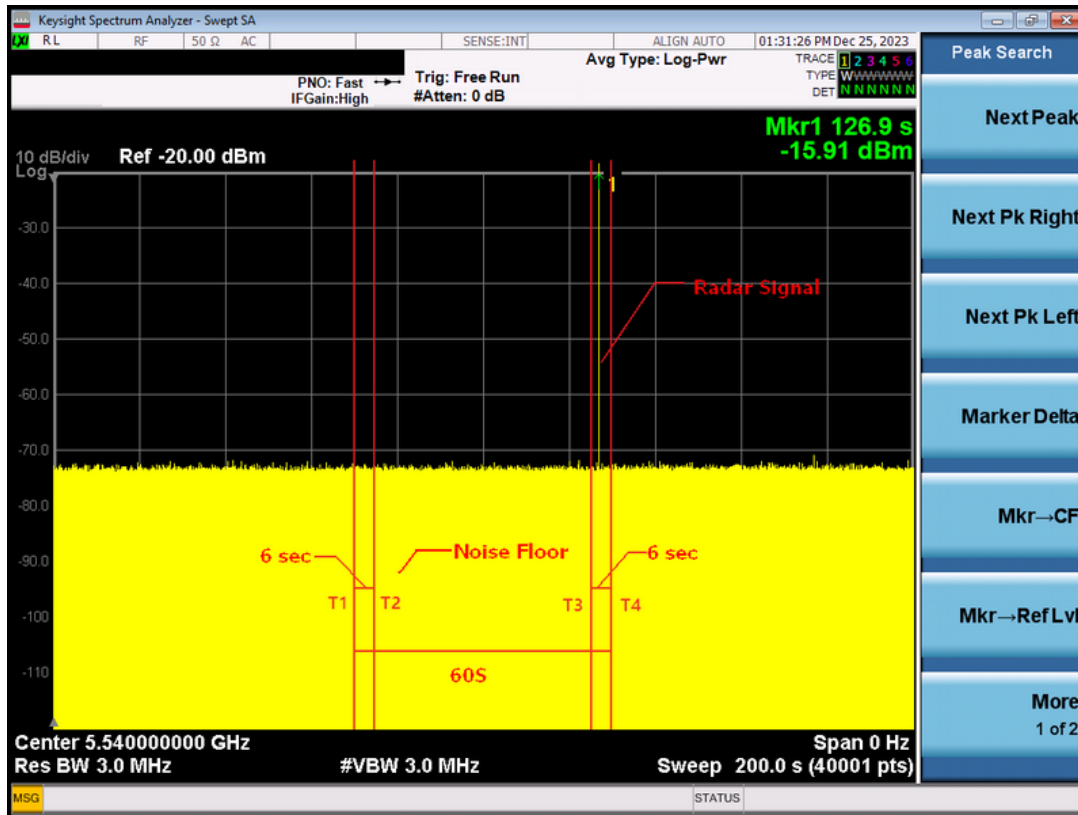
Radar Burst at the Beginning of the Channel Availability Check Time



Note: T1 denotes the end of power up time period is 69.86 second.
T2 denotes 75.86 second. The radar burst was commenced within a 6 second window starting from the end of power-up sequence.
T4 denotes the 129.86 second.

IEEE 802.11a Mode

Radar Burst at the End of the Channel Availability Check Time



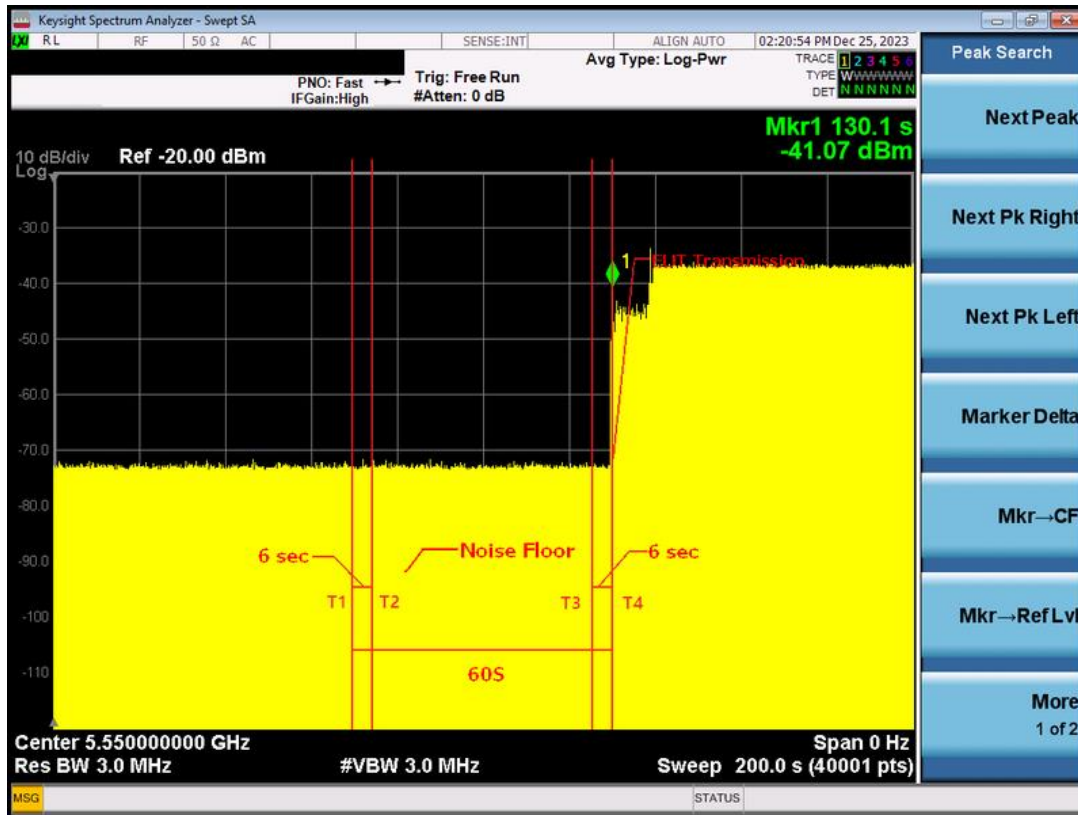
Note: T1 denotes the end of power up time period is 69.9 second.

T3 denotes 123.9 second and radar burst was commenced within 54 second to 60 second indow starting from the end of power-up sequence.

T4 denotes the 129.9 second.

IEEE 802.11ac(VHT40) Mode

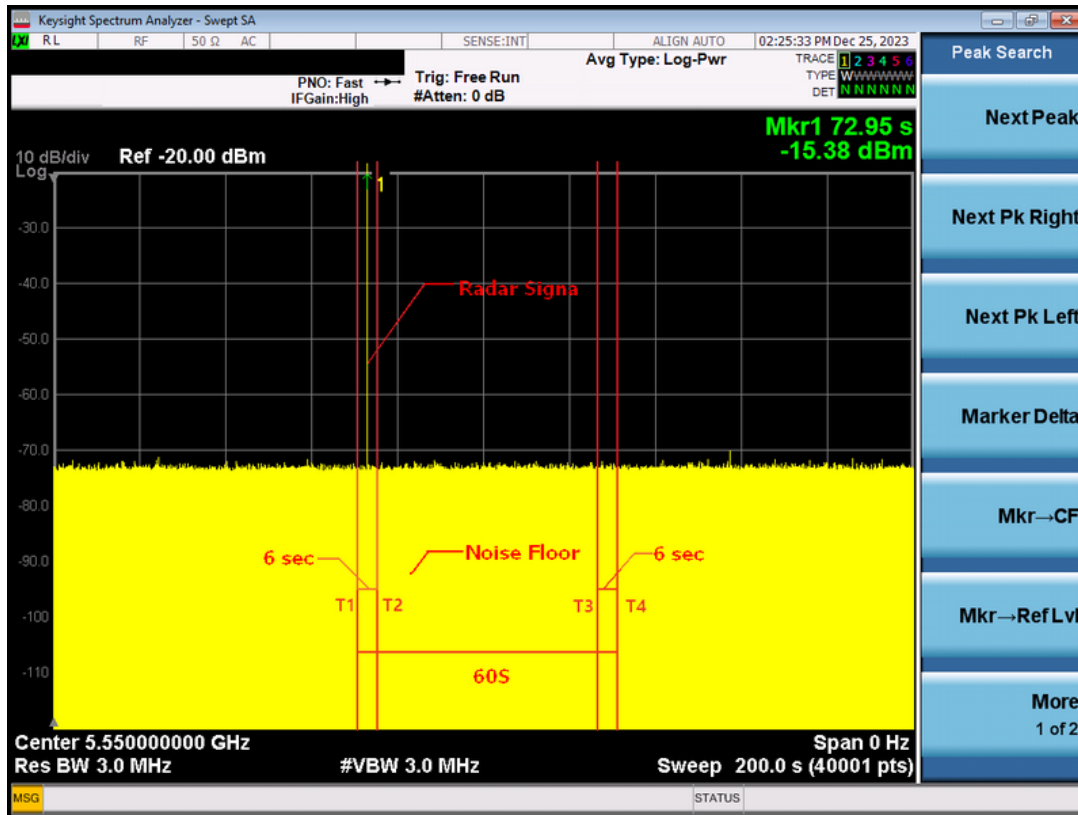
Initial Channel Availability Check Time



Note: T1 denotes the end of power-up time period is 70.1 second.
T4 denotes the end of Channel Availability Check time is 130.1 second. Channel Availability Check time is equal to (T4 - T1) 60 seconds.

IEEE 802.11ac(VHT40) Mode

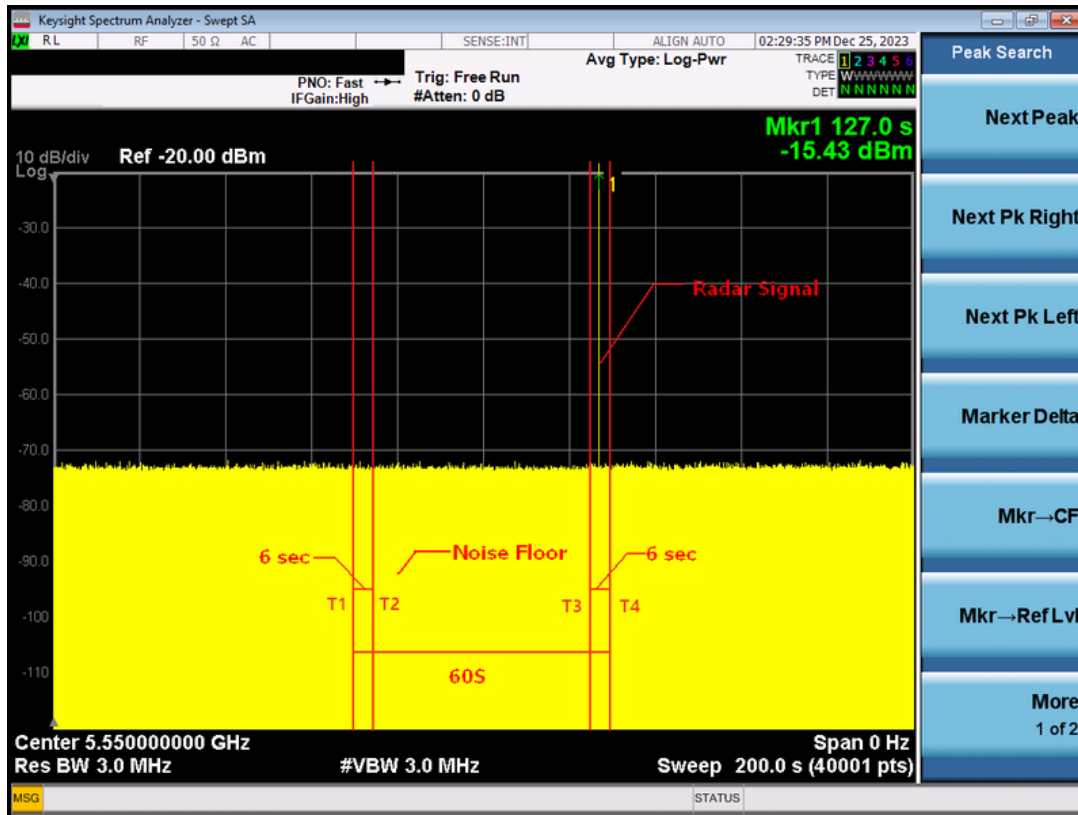
Radar Burst at the Beginning of the Channel Availability Check Time



Note: T1 denotes the end of power up time period is 69.95 second.
T2 denotes 75.95 second. The radar burst was commenced within a 6 second window starting from the end of power-up sequence.
T4 denotes the 129.95 second.

IEEE 802.11ac(VHT40) Mode

Radar Burst at the End of the Channel Availability Check Time



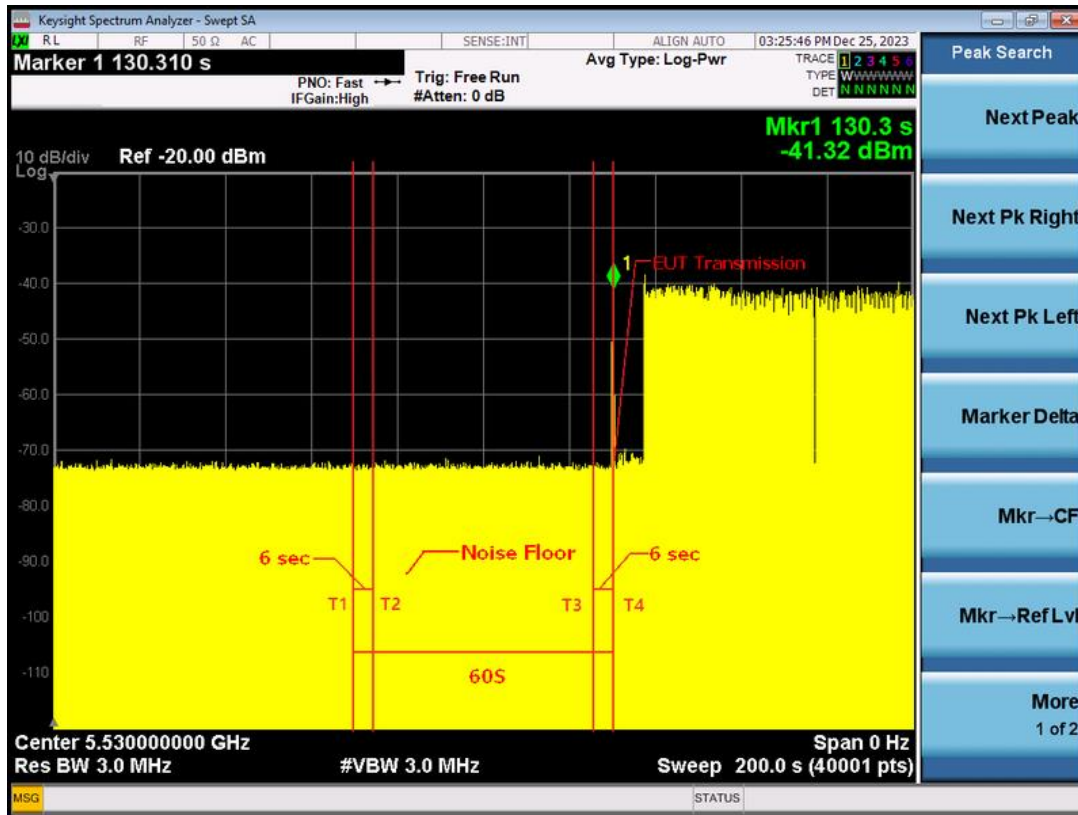
Note: T1 denotes the end of power up time period is 70.0 second.

T3 denotes 127.0 second and radar burst was commenced within 54 second to 60 second indow starting from the end of power-up sequence.

T4 denotes the 130.0 second

IEEE 802.11ax(HE80) Mode

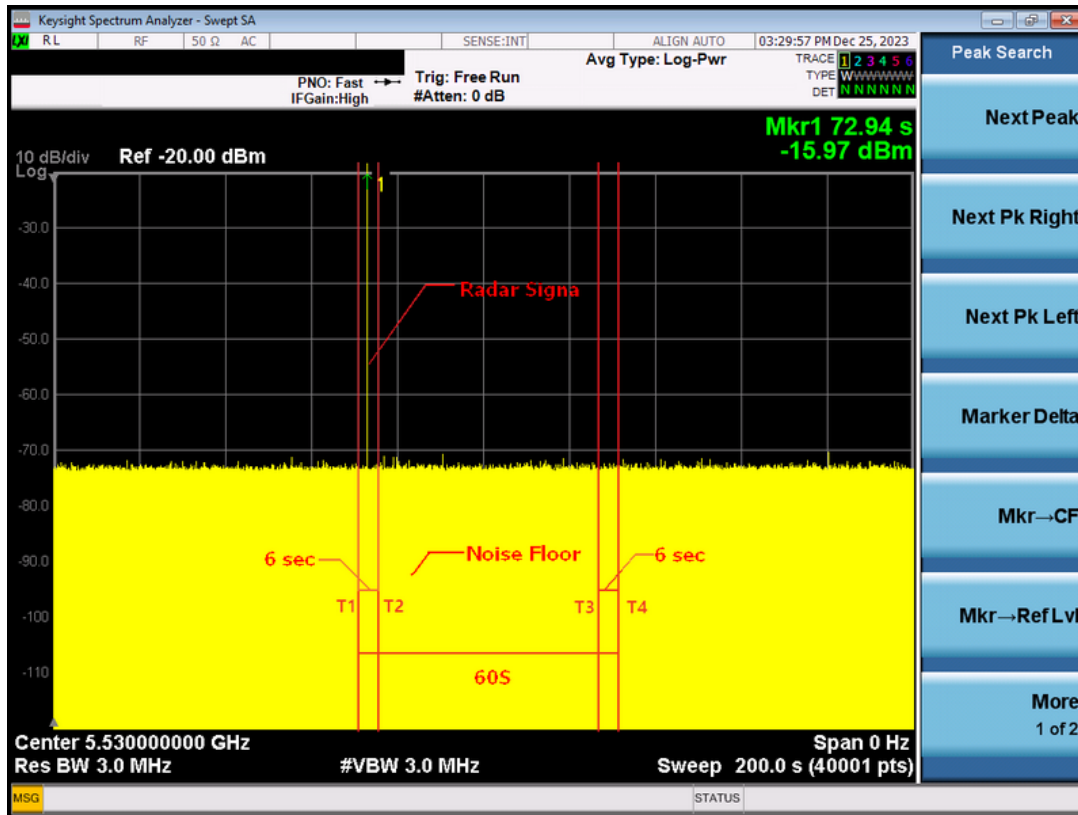
Initial Channel Availability Check Time



Note: T1 denotes the end of power-up time period is 70.3 second.

T4 denotes the end of Channel Availability Check time is 130.3 second. Channel Availability Check time is equal to (T4 - T1) 60 seconds.

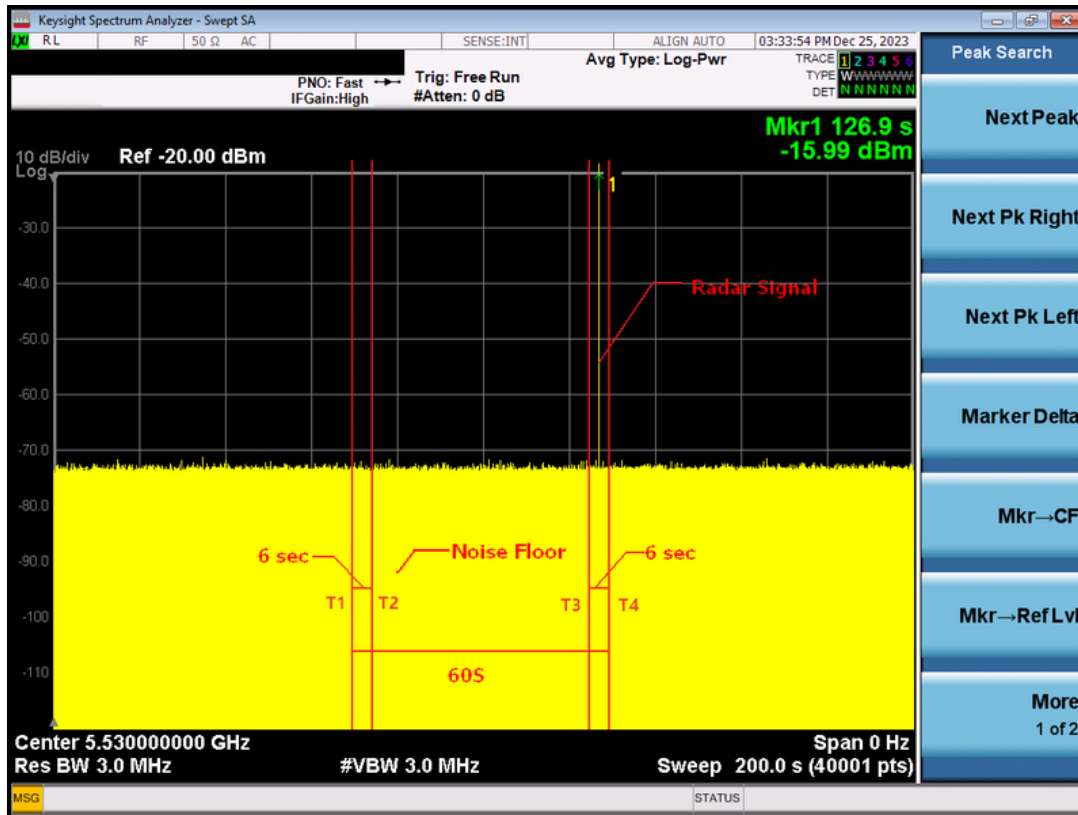
IEEE 802.11ax(HE80) Mode Radar Burst at the Beginning of the Channel Availability Check Time



Note: T1 denotes the end of power up time period is 69.94 second.
T2 denotes 75.94 second. The radar burst was commenced within a 6 second window starting from the end of power-up sequence.
T4 denotes the 129.94 second.

IEEE 802.11ax(HE80) Mode

Radar Burst at the End of the Channel Availability Check Time



Note: T1 denotes the end of power up time period is 69.9 second.

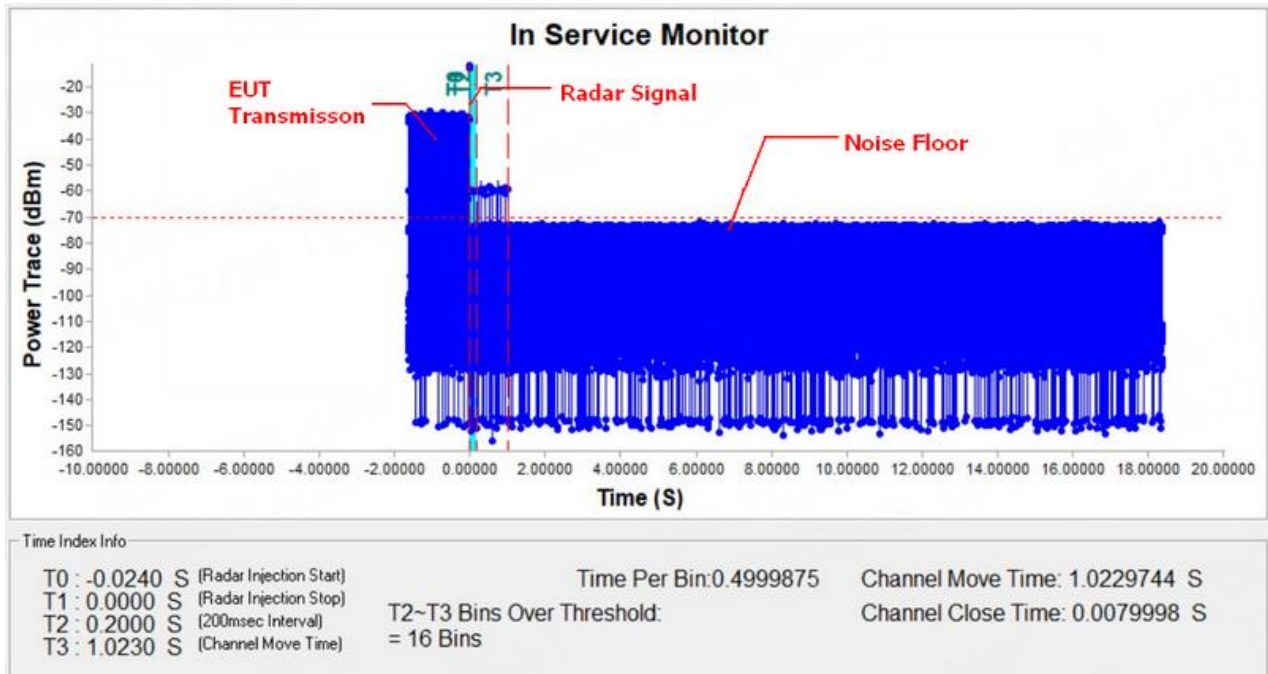
T3 denotes 123.9 second and radar burst was commenced within 54 second to 60 second indow starting from the end of power-up sequence.

T4 denotes the 129.9 second.

9.5 CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

TX (IEEE 802.11a Mode)

Radar signal 0

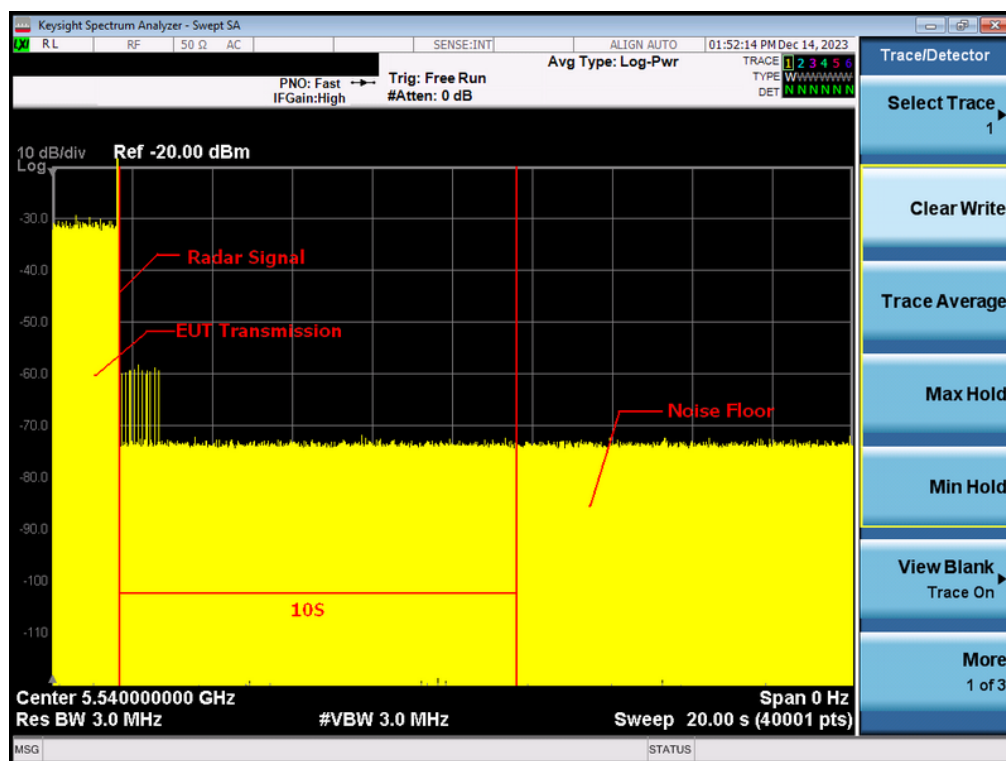


Note: T0 denotes the Radar Injection Start.

T1 denotes the start of Channel Move Time upon the end of the last Radar burst.

T2 denotes the data transmission time of 200ms from T1.

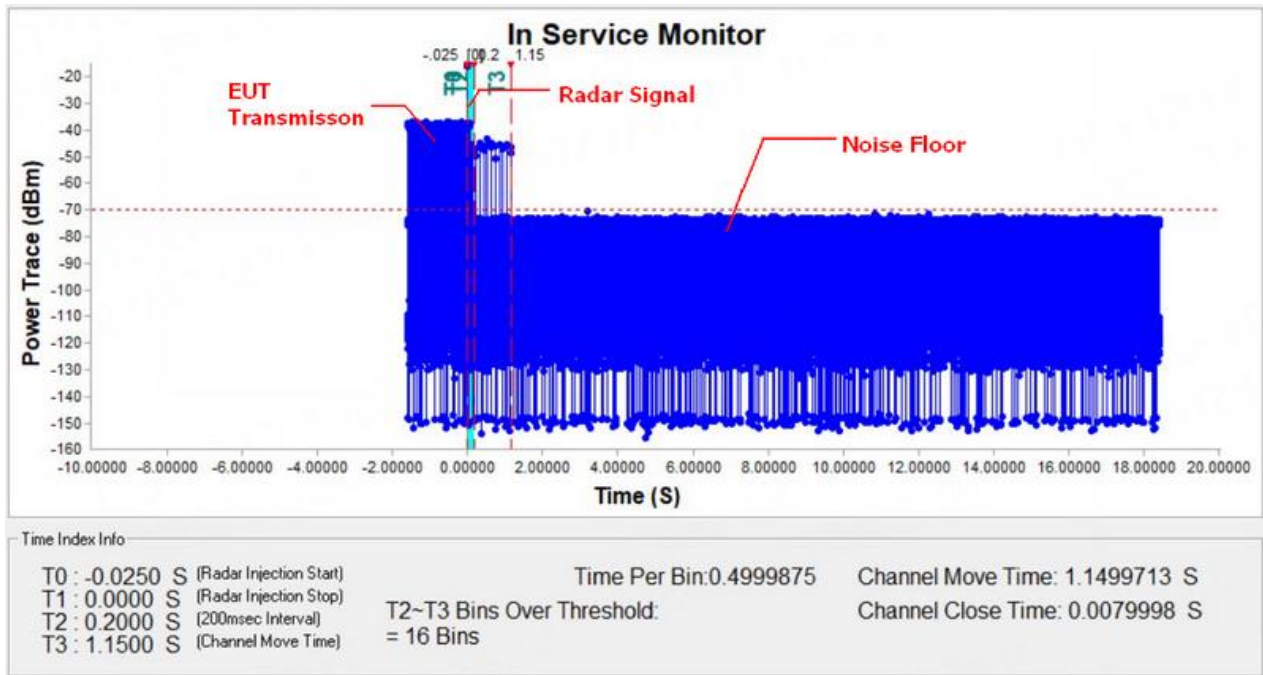
T3 denotes the end of Channel Move Time.



Note: An expanded plot for the device vacates the channel in the required 500ms

TX (IEEE 802.11ac(VHT40) Mode)

Radar signal 0

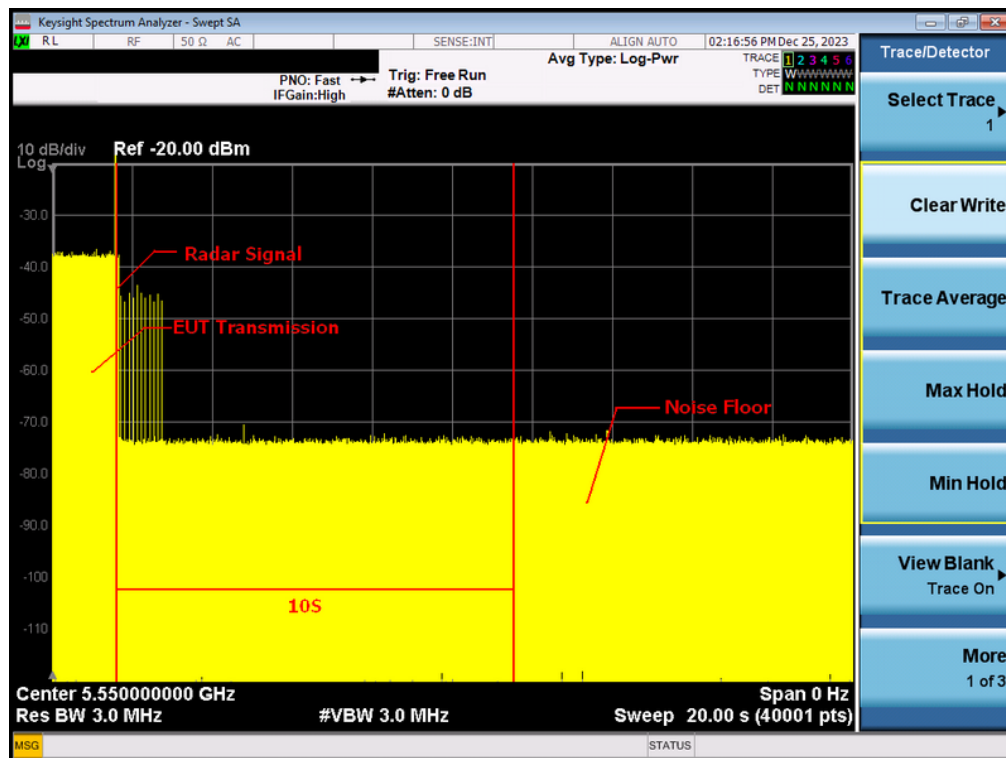


Note: T0 denotes the Radar Injection Start.

T1 denotes the start of Channel Move Time upon the end of the last Radar burst.

T2 denotes the data transmission time of 200ms from T1.

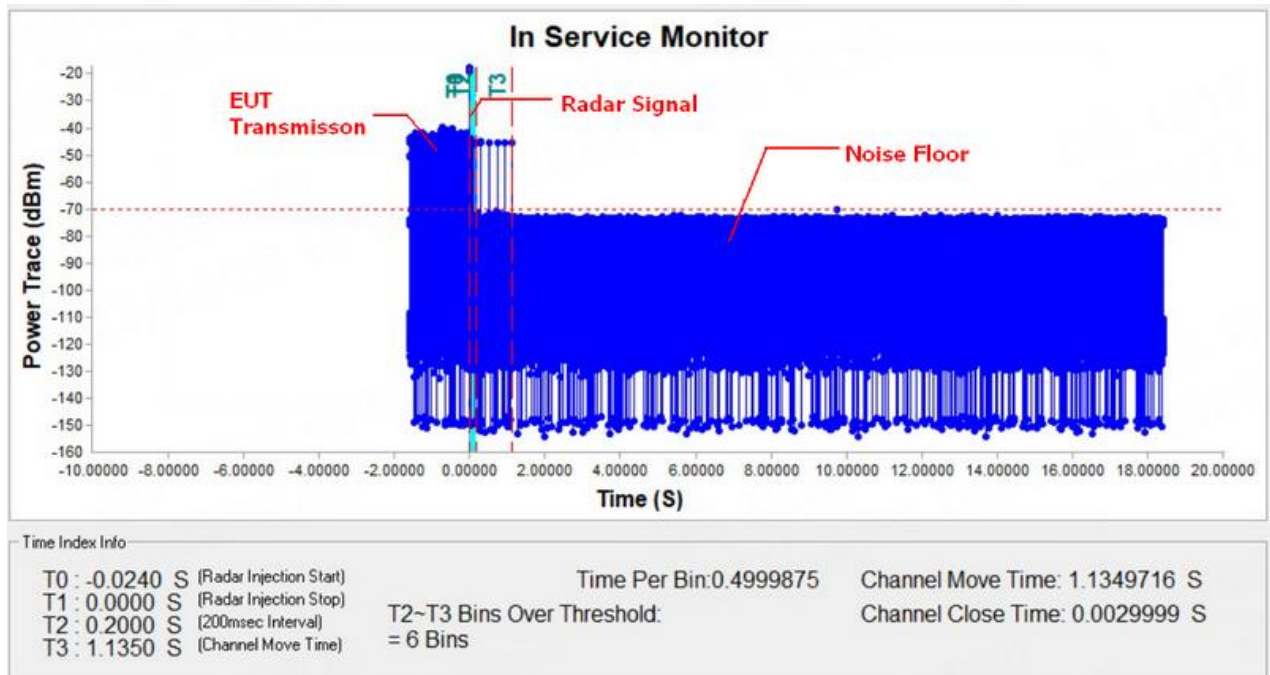
T3 denotes the end of Channel Move Time.



Note: An expanded plot for the device vacates the channel in the required 500ms

TX (IEEE 802.11ax(HE80) Mode)

Radar signal 0

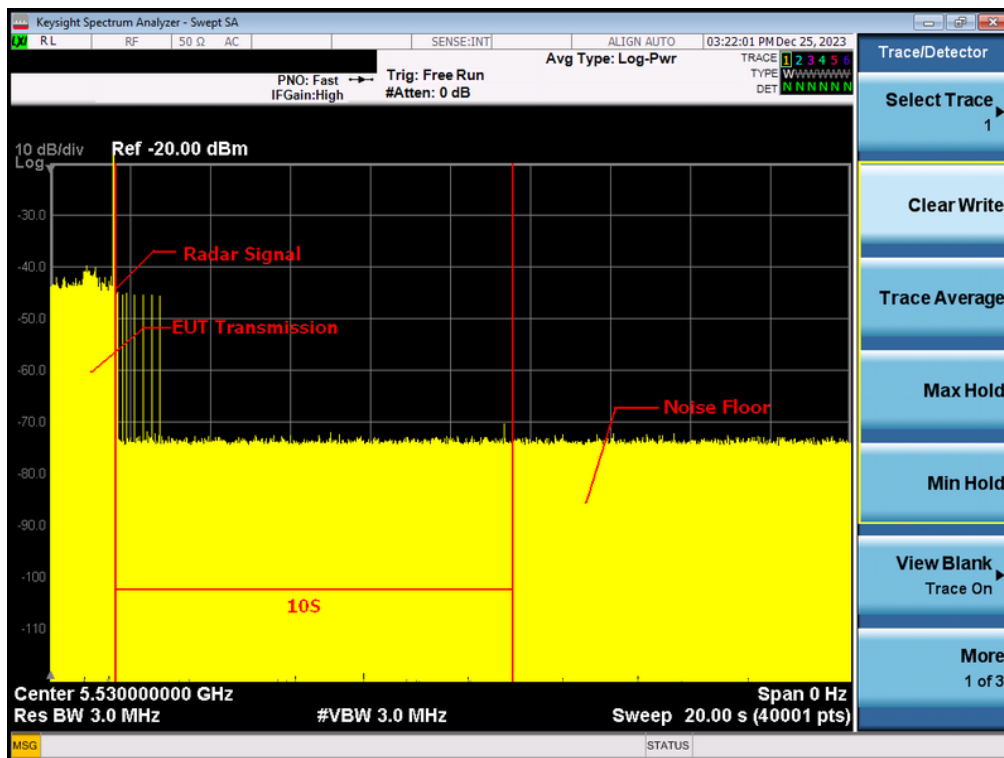


Note: T0 denotes the Radar Injection Start.

T1 denotes the start of Channel Move Time upon the end of the last Radar burst.

T2 denotes the data transmission time of 200ms from T1.

T3 denotes the end of Channel Move Time.



Note: An expanded plot for the device vacates the channel in the required 500ms

IEEE 802.11a Mode		
Item	Measured Value(s)	Limit(s)
Channel Move Time	1.0229744	10
Channel Close Time	0.0079998	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.

IEEE 802.11ac(VHT40) Mode		
Item	Measured Value(s)	Limit(s)
Channel Move Time	1.1499713	10
Channel Close Time	0.0079998	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.

IEEE 802.11ax(HE80) Mode		
Item	Measured Value(s)	Limit(s)
Channel Move Time	1.1349716	10
Channel Close Time	0.0029999	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.

9.6 STATISTICAL PERFORMANCE CHECK

TX (IEEE 802.11a 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	$\text{Roundup} \left\{ \left(\frac{1}{360} \right), \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	26	4	87%
2	1-5	150-230	23-29	27	3	90%
3	6-10	200-500	16-18	26	4	87%
4	11-20	200-500	12-16	26	4	87%
Aggregate (Radar Types 1-4)				105	15	88%

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	27	3	90%

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	22	8	73%

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	YES
	9	YES	24	YES
	10	YES	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	NO	28	YES
	14	NO	29	YES
	15	NO	30	YES
Type2	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	NO	19	YES
	5	YES	20	YES
	6	YES	21	NO
	7	YES	22	YES
	8	YES	23	YES
	9	YES	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	YES
	5	NO	20	YES
	6	YES	21	YES
	7	NO	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	YES
Type4	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	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	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	NO
	14	YES	29	YES
	15	YES	30	YES
Type6	1	YES	16	NO
	2	NO	17	YES
	3	YES	18	YES
	4	YES	19	NO
	5	YES	20	NO
	6	YES	21	NO
	7	YES	22	YES
	8	YES	23	YES
	9	YES	24	YES
	10	YES	25	YES
	11	NO	26	YES
	12	NO	27	YES
	13	NO	28	YES
	14	YES	29	YES
	15	YES	30	YES

TX (IEEE 802.11ac(VHT40) 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	$\text{Roundup} \left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	26	4	87%
2	1-5	150-230	23-29	27	3	90%
3	6-10	200-500	16-18	29	1	97%
4	11-20	200-500	12-16	26	4	87%
Aggregate (Radar Types 1-4)				108	12	90%

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	27	3	90%

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

TX (IEEE 802.11ax(HE80) 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	$\text{Roundup} \left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	25	5	83%
2	1-5	150-230	23-29	28	2	93%
3	6-10	200-500	16-18	28	2	93%
4	11-20	200-500	12-16	27	3	90%
Aggregate (Radar Types 1-4)				108	12	90%

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	26	4	87%

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	27	3	90%

Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type1	1	YES	16	NO
	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	YES
	9	YES	24	YES
	10	YES	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	NO	28	YES
	14	NO	29	YES
	15	NO	30	YES
Type2	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	NO	22	YES
	8	YES	23	YES
	9	YES	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

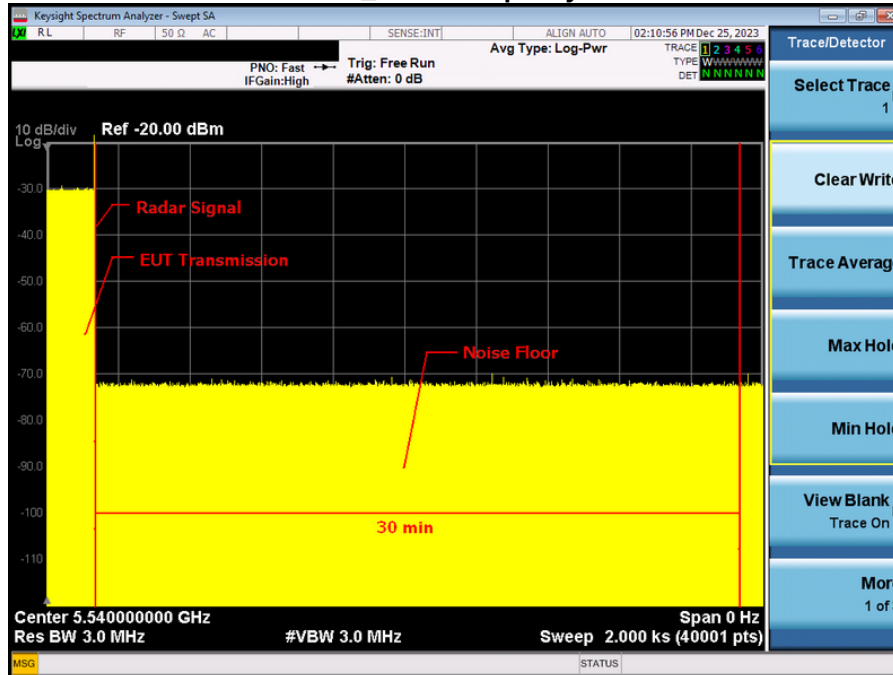
Radar Type	Trial #	Detection	Trial #	Detection
		YES / NO		YES / NO
Type3	1	YES	16	YES
	2	YES	17	YES
	3	YES	18	YES
	4	YES	19	YES
	5	NO	20	YES
	6	YES	21	YES
	7	NO	22	YES
	8	YES	23	YES
	9	YES	24	YES
	10	YES	25	YES
	11	YES	26	YES
	12	YES	27	YES
	13	YES	28	YES
	14	YES	29	YES
	15	YES	30	YES
Type4	1	YES	16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

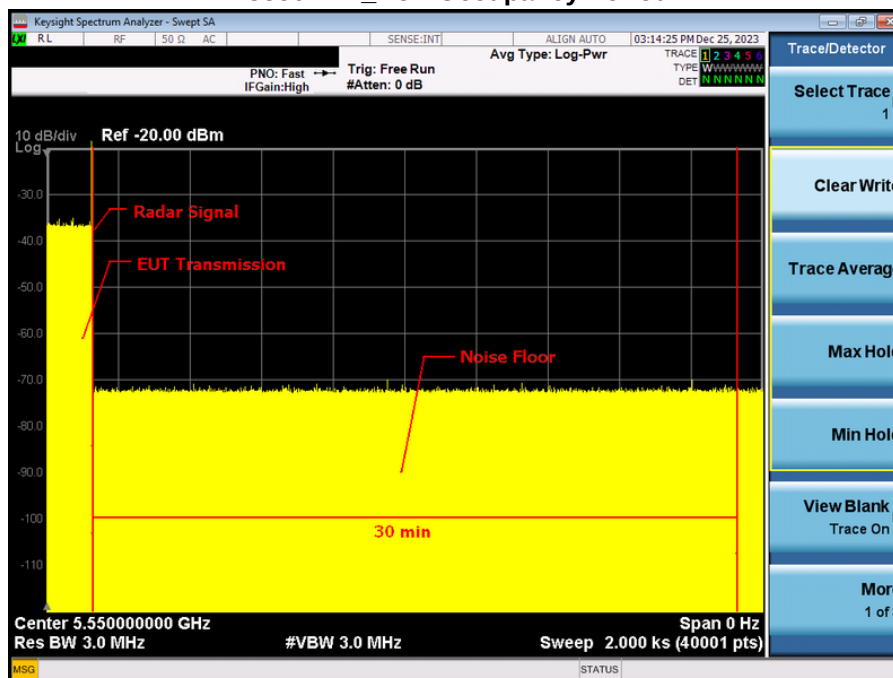
9.7 NON-OCCUPANCY PERIOD

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.

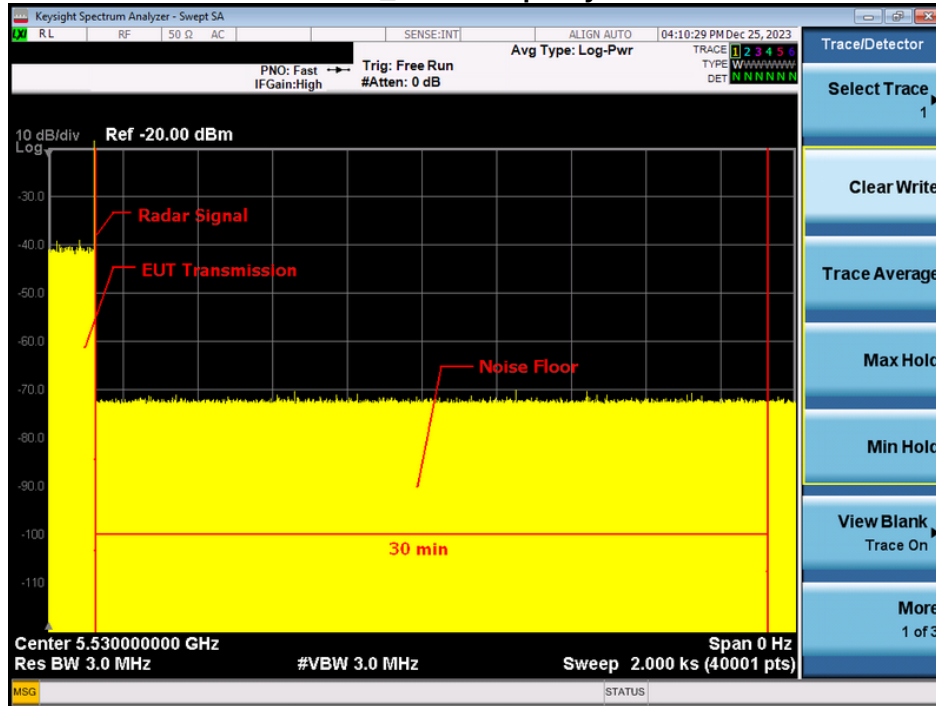
**TX (IEEE 802.11a Mode)
5540MHz_Non-Occupancy Period**



**TX (IEEE 802.11ac(VHT40) Mode)
5550MHz_Non-Occupancy Period**

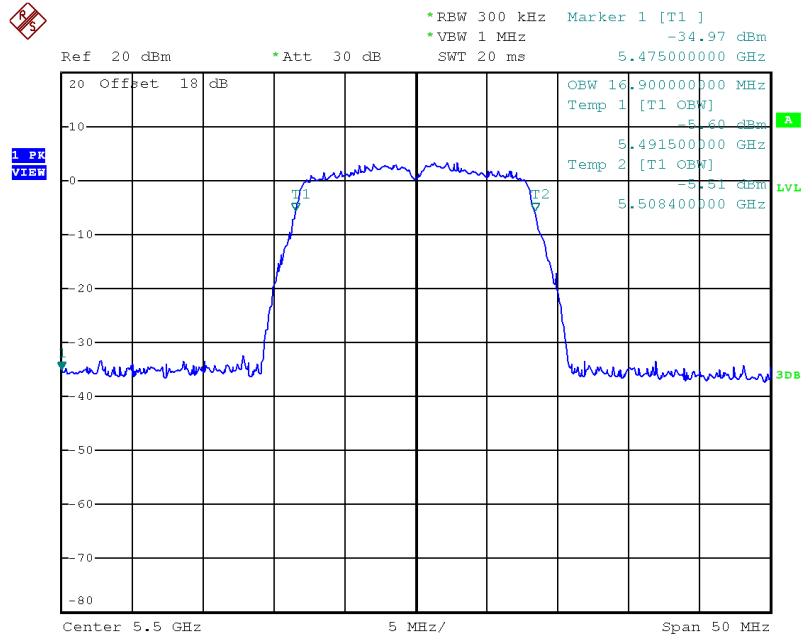


TX (IEEE 802.11ax(HE80) Mode) 5530MHz_Non-Occupancy Period



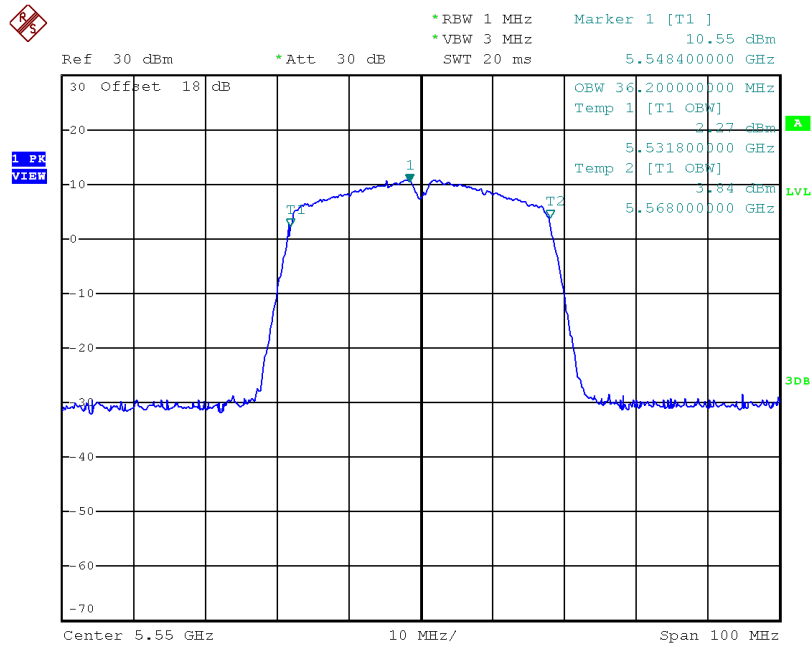
9.8 U-NII DETECTION BANDWIDTH

TX (IEEE 802.11a Mode) U-NII 99% Channel bandwidth



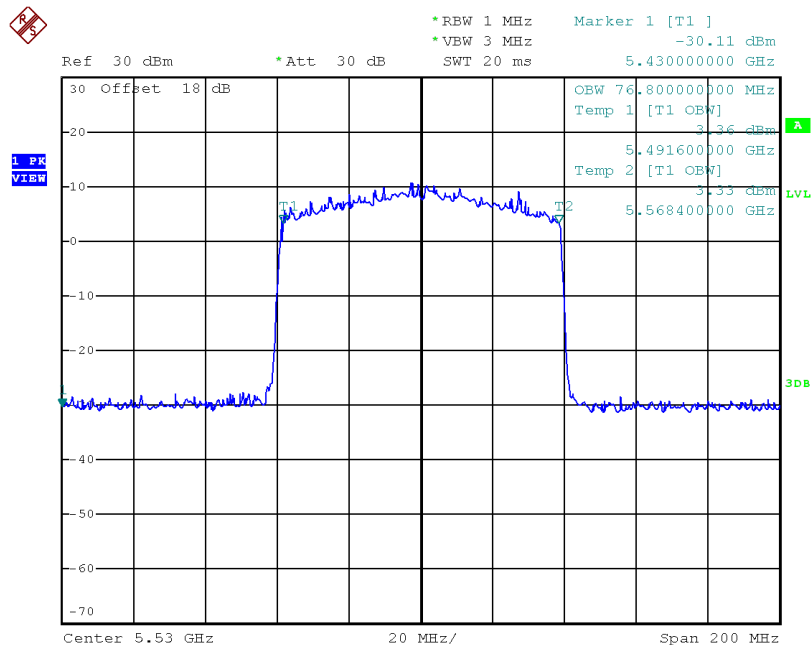
Date: 8.DEC.2023 15:46:46

TX (IEEE 802.11ac(VHT40) Mode) U-NII 99% Channel bandwidth



Date: 8.DEC.2023 16:23:04

TX (IEEE 802.11ax(HE80) Mode) U-NII 99% Channel bandwidth



Date: 8.DEC.2023 17:20:36

IEEE 802.11a Mode

Detection Bandwith test tranmission 20M											
EUT FREQUENCY	5500M										
EUT power bandwith	16.9MHz										
Detection Bandwith limit(100%of EUT 99% Power bandwith)18											
Detection Bandwith(5510(FH)-5490(FL)) 18											
Test Result	PASS										
Radar Freq (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0
5490(FL)	0	0	0	0	0	0	0	0	0	0	0
5491	1	1	1	1	1	1	1	1	1	1	100
5492	1	1	1	1	1	1	1	1	1	1	100
5493	1	1	1	1	1	1	1	1	1	1	100
5494	1	1	1	1	1	1	1	1	1	1	100
5495	1	1	1	1	1	1	1	1	1	1	100
5496	1	1	1	1	1	1	1	1	1	1	100
5497	1	1	1	1	1	1	1	1	1	1	100
5498	1	1	1	1	1	1	1	1	1	1	100
5499	1	1	1	1	1	1	1	1	1	1	100
5500	1	1	1	1	1	1	1	1	1	1	100
5501	1	1	1	1	1	1	1	1	1	1	100
5502	1	1	1	1	1	1	1	1	1	1	100
5503	1	1	1	1	1	1	1	1	1	1	100
5504	1	1	1	1	1	1	1	1	1	1	100
5505	1	1	1	1	1	1	1	1	1	1	100
5506	1	1	1	1	1	1	1	1	1	1	100
5507	1	1	1	1	1	1	1	1	1	1	100
5508	1	1	1	1	1	1	1	1	1	1	100
5509	1	1	1	1	1	1	1	1	1	1	100
5510(FH)	0	0	0	0	0	0	0	0	0	0	0
5511	0	0	0	0	0	0	0	0	0	0	0

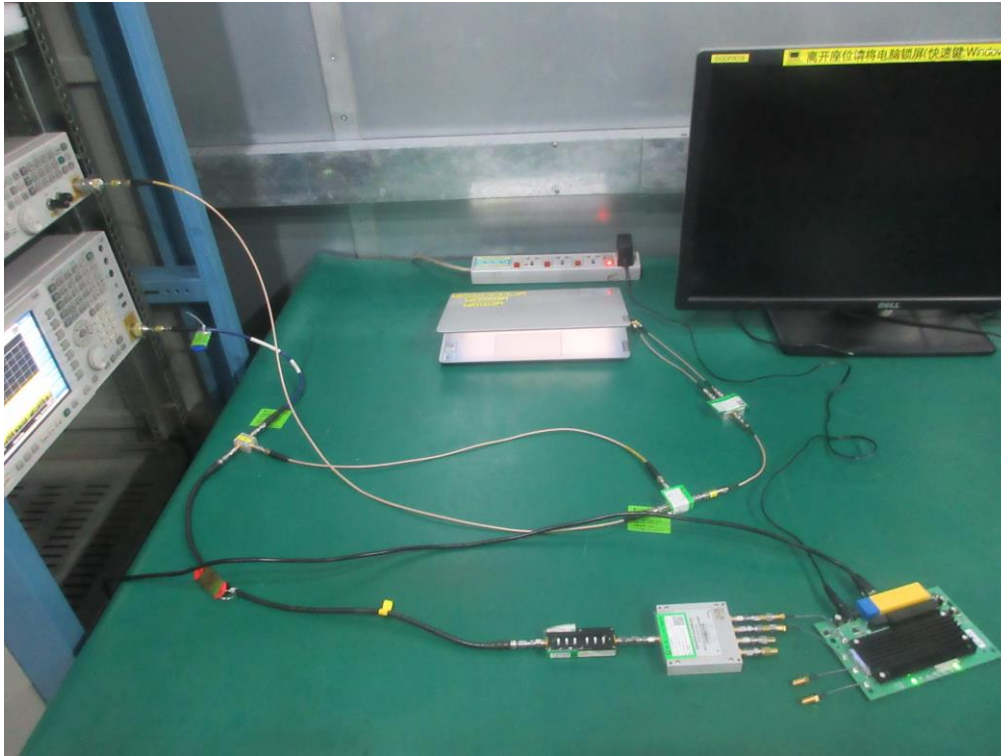
IEEE 802.11ac(VHT40) Mode

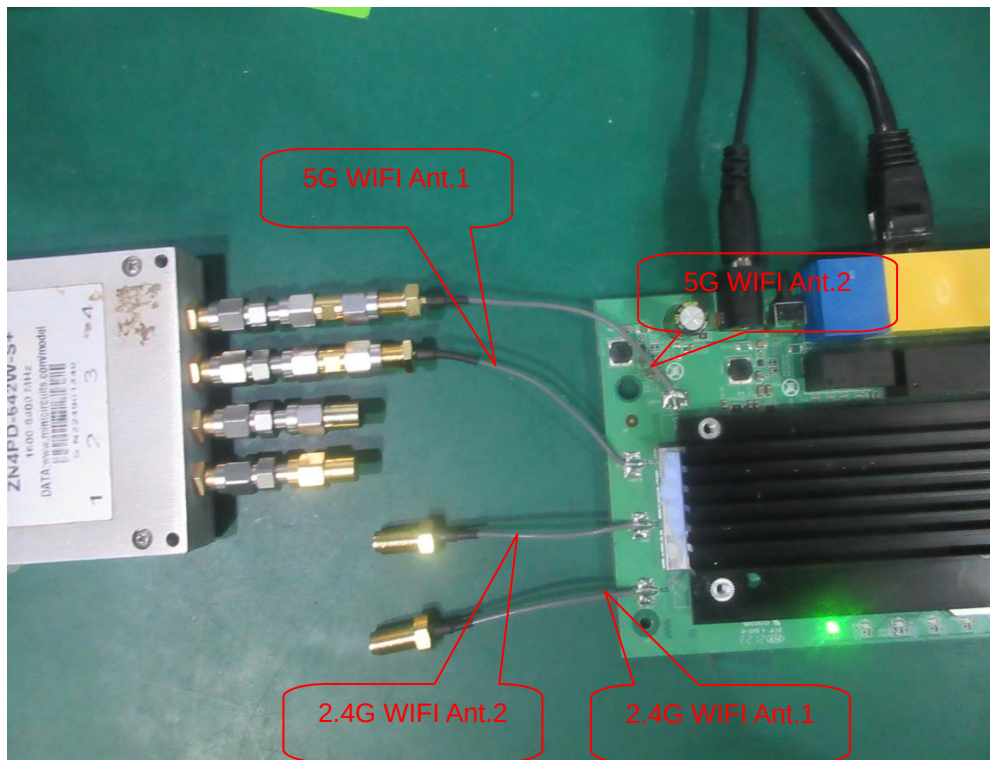
Detection Bandwidth test transmission 40M											
EUT FREQUENCY	5550M										
EUT power bandwidth	36.2MHZ										
Detection Bandwidth limit(100%of EUT 99% Power bandwidth)	38										
Detection Bandwidth(5569(FH)-5531(FL))	38										
Test Result	PASS										
Radar Freq (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5529	0	0	0	0	0	0	0	0	0	0	0
5530	0	0	0	0	0	0	0	0	0	0	0
5531(FL)	1	1	1	1	1	1	1	1	1	1	100
5532	1	1	1	1	1	1	1	1	1	1	100
5533	1	1	1	1	1	1	1	1	1	1	100
5534	1	1	1	1	1	1	1	1	1	1	100
5535	1	1	1	1	1	1	1	1	1	1	100
5536	1	1	1	1	1	1	1	1	1	1	100
5537	1	1	1	1	1	1	1	1	1	1	100
5538	1	1	1	1	1	1	1	1	1	1	100
5539	1	1	1	1	1	1	1	1	1	1	100
5540	1	1	1	1	1	1	1	1	1	1	100
5541	1	1	1	1	1	1	1	1	1	1	100
5542	1	1	1	1	1	1	1	1	1	1	100
5543	1	1	1	1	1	1	1	1	1	1	100
5544	1	1	1	1	1	1	1	1	1	1	100
5545	1	1	1	1	1	1	1	1	1	1	100
5546	1	1	1	1	1	1	1	1	1	1	100
5547	1	1	1	1	1	1	1	1	1	1	100
5548	1	1	1	1	1	1	1	1	1	1	100
5549	1	1	1	1	1	1	1	1	1	1	100
5550	1	1	1	1	1	1	1	1	1	1	100
5551	1	1	1	1	1	1	1	1	1	1	100
5552	1	1	1	1	1	1	1	1	1	1	100
5553	1	1	1	1	1	1	1	1	1	1	100
5554	1	1	1	1	1	1	1	1	1	1	100
5555	1	1	1	1	1	1	1	1	1	1	100
5556	1	1	1	1	1	1	1	1	1	1	100
5557	1	1	1	1	1	1	1	1	1	1	100
5558	1	1	1	1	1	1	1	1	1	1	100
5559	1	1	1	1	1	1	1	1	1	1	100
5560	1	1	1	1	1	1	1	1	1	1	100
5561	1	1	1	1	1	1	1	1	1	1	100
5562	1	1	1	1	1	1	1	1	1	1	100
5563	1	1	1	1	1	1	1	1	1	1	100
5564	1	1	1	1	1	1	1	1	1	1	100
5565	1	1	1	1	1	1	1	1	1	1	100
5566	1	1	1	1	1	1	1	1	1	1	100
5567	1	1	1	1	1	1	1	1	1	1	100
5568	1	1	1	1	1	1	1	1	1	1	100
5569(FL)	1	1	1	1	1	1	1	1	1	1	100
5570	0	0	0	0	0	0	0	0	0	0	0
5571	0	0	0	0	0	0	0	0	0	0	0

IEEE 802.11ax(HE80) Mode

Detection Bandwidth test transmission	80M										
EUT FREQUENCY	5530M										
EUT power bandwidth	76.8MHz										
Detection Bandwidth limit(100%of EUT 99% Power bandwidth)	76										
Detection Bandwidth(5568(FH)-5492(FL))	76										
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 (%)
5489	0	0	0	0	0	0	0	0	0	0	0
5490	0	0	0	0	0	0	0	0	0	0	0
5491(FL)	1	1	1	1	1	1	1	1	1	1	100
5492	1	1	1	1	1	1	1	1	1	1	100
5493	1	1	1	1	1	1	1	1	1	1	100
5494	1	1	1	1	1	1	1	1	1	1	100
5495	1	1	1	1	1	1	1	1	1	1	100
5496	1	1	1	1	1	1	1	1	1	1	100
5497	1	1	1	1	1	1	1	1	1	1	100
5498	1	1	1	1	1	1	1	1	1	1	100
5499	1	1	1	1	1	1	1	1	1	1	100
5500	1	1	1	1	1	1	1	1	1	1	100
5501	1	1	1	1	1	1	1	1	1	1	100
5502	1	1	1	1	1	1	1	1	1	1	100
5503	1	1	1	1	1	1	1	1	1	1	100
5504	1	1	1	1	1	1	1	1	1	1	100
5505	1	1	1	1	1	1	1	1	1	1	100
5506	1	1	1	1	1	1	1	1	1	1	100
5507	1	1	1	1	1	1	1	1	1	1	100
5508	1	1	1	1	1	1	1	1	1	1	100
5509	1	1	1	1	1	1	1	1	1	1	100
5510	1	1	1	1	1	1	1	1	1	1	100
5511	1	1	1	1	1	1	1	1	1	1	100
5512	1	1	1	1	1	1	1	1	1	1	100
5513	1	1	1	1	1	1	1	1	1	1	100
5514	1	1	1	1	1	1	1	1	1	1	100
5515	1	1	1	1	1	1	1	1	1	1	100
5516	1	1	1	1	1	1	1	1	1	1	100
5517	1	1	1	1	1	1	1	1	1	1	100
5518	1	1	1	1	1	1	1	1	1	1	100
5519	1	1	1	1	1	1	1	1	1	1	100
5520	1	1	1	1	1	1	1	1	1	1	100
5521	1	1	1	1	1	1	1	1	1	1	100
5522	1	1	1	1	1	1	1	1	1	1	100
5523	1	1	1	1	1	1	1	1	1	1	100
5524	1	1	1	1	1	1	1	1	1	1	100
5525	1	1	1	1	1	1	1	1	1	1	100
5526	1	1	1	1	1	1	1	1	1	1	100
5527	1	1	1	1	1	1	1	1	1	1	100
5528	1	1	1	1	1	1	1	1	1	1	100
5529	1	1	1	1	1	1	1	1	1	1	100
5530	1	1	1	1	1	1	1	1	1	1	100
5531	1	1	1	1	1	1	1	1	1	1	100
5532	1	1	1	1	1	1	1	1	1	1	100
5533	1	1	1	1	1	1	1	1	1	1	100
5534	1	1	1	1	1	1	1	1	1	1	100
5535	1	1	1	1	1	1	1	1	1	1	100
5536	1	1	1	1	1	1	1	1	1	1	100
5537	1	1	1	1	1	1	1	1	1	1	100
5538	1	1	1	1	1	1	1	1	1	1	100
5539	1	1	1	1	1	1	1	1	1	1	100
5540	1	1	1	1	1	1	1	1	1	1	100
5541	1	1	1	1	1	1	1	1	1	1	100
5542	1	1	1	1	1	1	1	1	1	1	100
5543	1	1	1	1	1	1	1	1	1	1	100
5544	1	1	1	1	1	1	1	1	1	1	100
5545	1	1	1	1	1	1	1	1	1	1	100
5546	1	1	1	1	1	1	1	1	1	1	100
5547	1	1	1	1	1	1	1	1	1	1	100
5548	1	1	1	1	1	1	1	1	1	1	100
5549	1	1	1	1	1	1	1	1	1	1	100
5550	1	1	1	1	1	1	1	1	1	1	100
5551	1	1	1	1	1	1	1	1	1	1	100
5552	1	1	1	1	1	1	1	1	1	1	100
5553	1	1	1	1	1	1	1	1	1	1	100
5554	1	1	1	1	1	1	1	1	1	1	100
5555	1	1	1	1	1	1	1	1	1	1	100
5556	1	1	1	1	1	1	1	1	1	1	100
5557	1	1	1	1	1	1	1	1	1	1	100
5558	1	1	1	1	1	1	1	1	1	1	100
5559	1	1	1	1	1	1	1	1	1	1	100
5560	1	1	1	1	1	1	1	1	1	1	100
5561	1	1	1	1	1	1	1	1	1	1	100
5562	1	1	1	1	1	1	1	1	1	1	100
5563	1	1	1	1	1	1	1	1	1	1	100
5564	1	1	1	1	1	1	1	1	1	1	100
5565	1	1	1	1	1	1	1	1	1	1	100
5566	1	1	1	1	1	1	1	1	1	1	100
5567	1	1	1	1	1	1	1	1	1	1	100
5568	1	1	1	1	1	1	1	1	1	1	100
5569(FH)	1	1	1	1	1	1	1	1	1	1	100
5570	0	0	0	0	0	0	0	0	0	0	0
5571	0	0	0	0	0	0	0	0	0	0	0

10. EUT TEST PHOTO





End of Test Report