

Detection Bandwidth = $f_h - f_l = 5600\text{MHz} - 5580\text{MHz} = 20\text{MHz}$

30MHz Bandwidth

EUT Frequency- 5590MHz

Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5575	1	1	1	1	1	1	1	1	1	1	100%
5576											
5577											
5578											
5579											
5580	1	1	1	1	1	1	1	1	1	1	100%
5581											
5582											
5583											
5584											
5585	1	1	1	1	1	1	1	1	1	1	100%
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100%
5591											
5592											
5593											
5594											
5595	1	1	1	1	1	1	1	1	1	1	100%
5596											
5597											
5598											
5599											
5600	1	1	1	1	1	1	1	1	1	1	100%
5601											
5602											
5603											
5604											
5605	1	1	1	1	1	1	1	1	1	1	100%

Detection Bandwidth = $f_h - f_l = 5605\text{MHz} - 5575\text{MHz} = 30\text{MHz}$

40MHz Bandwidth

EUT Frequency- 5590MHz

Radars Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5570	1	1	1	1	1	1	1	1	1	1	100%
5571											
5572											
5573											
5574											
5575	1	1	1	1	1	1	1	1	1	1	100%
5576											
5577											
5578											
5579											
5580	1	1	1	1	1	1	1	1	1	1	100%
5581											
5582											
5583											
5584											
5585	1	1	1	1	1	1	1	1	1	1	100%
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100%
5591											
5592											
5593											
5594											
5595	1	1	1	1	1	1	1	1	1	1	100%
5596											
5597											
5598											
5599											
5600	1	1	1	1	1	1	1	1	1	1	100%
5601											
5602											
5603											
5604											
5605	1	1	1	1	1	1	1	1	1	1	100%
5606	1	1	1	1	1	1	1	1	1	1	100%
5607	1	1	1	1	1	1	1	1	1	1	100%
5608	1	1	1	1	1	1	1	1	1	1	100%
5609	1	1	1	1	1	1	1	1	1	1	100%
5610	0	0	0	0	0	0	0	0	0	0	0%

Detection Bandwidth = $f_h - f_l = 5609\text{MHz} - 5570\text{MHz} = 39\text{MHz}$

5608												
5609												
5610	1	1	1	1	1	1	1	1	1	1	1	100%
5611												
5612												
5613												
5614												
5615	1	1	1	1	1	1	1	1	1	1	1	100%
5616												
5617												
5618												
5619												
5620	1	1	1	1	1	1	1	1	1	1	1	100%
5621												
5622												
5623												
5624												
5625	1	1	1	1	1	1	1	1	1	1	1	100%
5626												
5627												
5628												
5629												
5630	1	1	1	1	1	1	1	1	1	1	1	100%

Detection Bandwidth = $f_h - f_l = 5630\text{MHz} - 5550\text{MHz} = 80\text{MHz}$