

		NV	50	-20000.00	-3.759398	20	PASS
Ant2	5320	NV	-30	-40000.00	-7.518797	20	PASS
		NV	-20	-40000.00	-7.518797	20	PASS
		NV	-10	-40000.00	-7.518797	20	PASS
		NV	0	-40000.00	-7.518797	20	PASS
		NV	10	-40000.00	-7.518797	20	PASS
		NV	20	-40000.00	-7.518797	20	PASS
		NV	30	-40000.00	-7.518797	20	PASS
		NV	40	-40000.00	-7.518797	20	PASS
		NV	50	-40000.00	-7.518797	20	PASS
		Ant1	5500	NV	-30	-40000.00	-7.272727
NV	-20			-40000.00	-7.272727	20	PASS
NV	-10			-40000.00	-7.272727	20	PASS
NV	0			-40000.00	-7.272727	20	PASS
NV	10			-40000.00	-7.272727	20	PASS
NV	20			-40000.00	-7.272727	20	PASS
NV	30			-40000.00	-7.272727	20	PASS
NV	40			-40000.00	-7.272727	20	PASS
NV	50			-40000.00	-7.272727	20	PASS
Ant2	5500			NV	-30	-40000.00	-7.272727
		NV	-20	-40000.00	-7.272727	20	PASS
		NV	-10	-40000.00	-7.272727	20	PASS
		NV	0	-40000.00	-7.272727	20	PASS
		NV	10	-40000.00	-7.272727	20	PASS
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		NV	30	-40000.00	-7.272727	20	PASS
		NV	40	-40000.00	-7.272727	20	PASS
		NV	50	-40000.00	-7.272727	20	PASS
		Ant1	5580	NV	-30	-40000.00	-7.168459
NV	-20			-40000.00	-7.168459	20	PASS
NV	-10			-40000.00	-7.168459	20	PASS
NV	0			-40000.00	-7.168459	20	PASS
NV	10			-40000.00	-7.168459	20	PASS
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NV	30			-40000.00	-7.168459	20	PASS
NV	40			-40000.00	-7.168459	20	PASS
NV	50			-40000.00	-7.168459	20	PASS
Ant2	5580			NV	-30	-40000.00	-7.168459
		NV	-20	-40000.00	-7.168459	20	PASS
		NV	-10	-40000.00	-7.168459	20	PASS
		NV	0	-40000.00	-7.168459	20	PASS
		NV	10	-40000.00	-7.168459	20	PASS
		NV	20	-40000.00	-7.168459	20	PASS
		NV	30	-60000.00	-10.752688	20	PASS
		NV	40	-40000.00	-7.168459	20	PASS
		NV	50	-40000.00	-7.168459	20	PASS
		Ant1	5700	NV	-30	-20000.00	-3.508772
NV	-20			-20000.00	-3.508772	20	PASS
NV	-10			-20000.00	-3.508772	20	PASS
NV	0			-20000.00	-3.508772	20	PASS
NV	10			-20000.00	-3.508772	20	PASS

Ant2	5700	NV	20	-20000.00	-3.508772	20	PASS
		NV	30	-20000.00	-3.508772	20	PASS
		NV	40	-20000.00	-3.508772	20	PASS
		NV	50	-20000.00	-3.508772	20	PASS
		NV	-30	-60000.00	-10.526316	20	PASS
		NV	-20	-40000.00	-7.017544	20	PASS
		NV	-10	-60000.00	-10.526316	20	PASS
		NV	0	-60000.00	-10.526316	20	PASS
		NV	10	-60000.00	-10.526316	20	PASS
		NV	20	-60000.00	-10.526316	20	PASS
		NV	30	-60000.00	-10.526316	20	PASS
		NV	40	-40000.00	-7.017544	20	PASS
		NV	50	-60000.00	-10.526316	20	PASS
		Ant1	5745	NV	-30	-40000.00	-6.962576
NV	-20			-40000.00	-6.962576	20	PASS
NV	-10			-40000.00	-6.962576	20	PASS
NV	0			-40000.00	-6.962576	20	PASS
NV	10			-40000.00	-6.962576	20	PASS
NV	20			-40000.00	-6.962576	20	PASS
NV	30			-40000.00	-6.962576	20	PASS
NV	40			-40000.00	-6.962576	20	PASS
NV	50			-40000.00	-6.962576	20	PASS
Ant2	5745	NV	-30	-40000.00	-6.962576	20	PASS
		NV	-20	-40000.00	-6.962576	20	PASS
		NV	-10	-40000.00	-6.962576	20	PASS
		NV	0	-40000.00	-6.962576	20	PASS
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		NV	20	-40000.00	-6.962576	20	PASS
		NV	30	-40000.00	-6.962576	20	PASS
		NV	40	-40000.00	-6.962576	20	PASS
		NV	50	-40000.00	-6.962576	20	PASS
Ant1	5785	NV	-30	-40000.00	-6.914434	20	PASS
		NV	-20	-40000.00	-6.914434	20	PASS
		NV	-10	-40000.00	-6.914434	20	PASS
		NV	0	-40000.00	-6.914434	20	PASS
		NV	10	-20000.00	-3.457217	20	PASS
		NV	20	-40000.00	-6.914434	20	PASS
		NV	30	-40000.00	-6.914434	20	PASS
		NV	40	-40000.00	-6.914434	20	PASS
		NV	50	-40000.00	-6.914434	20	PASS
Ant2	5785	NV	-30	-40000.00	-6.914434	20	PASS
		NV	-20	-40000.00	-6.914434	20	PASS
		NV	-10	-40000.00	-6.914434	20	PASS
		NV	0	-40000.00	-6.914434	20	PASS
		NV	10	-40000.00	-6.914434	20	PASS
		NV	20	-40000.00	-6.914434	20	PASS
		NV	30	-40000.00	-6.914434	20	PASS
		NV	40	-40000.00	-6.914434	20	PASS
		NV	50	-40000.00	-6.914434	20	PASS
Ant1	5825	NV	-30	-40000.00	-6.866953	20	PASS
		NV	-20	-40000.00	-6.866953	20	PASS

			NV	-10	-40000.00	-6.866953	20	PASS		
			NV	0	-40000.00	-6.866953	20	PASS		
			NV	10	-20000.00	-3.433476	20	PASS		
			NV	20	-40000.00	-6.866953	20	PASS		
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			NV	40	-40000.00	-6.866953	20	PASS		
			NV	50	-40000.00	-6.866953	20	PASS		
			Ant2	5825	NV	-30	-40000.00	-6.866953	20	PASS
					NV	-20	-40000.00	-6.866953	20	PASS
	NV	-10			-40000.00	-6.866953	20	PASS		
	NV	0			-40000.00	-6.866953	20	PASS		
	NV	10			-40000.00	-6.866953	20	PASS		
	NV	20			-40000.00	-6.866953	20	PASS		
	NV	30			-40000.00	-6.866953	20	PASS		
	NV	40			-40000.00	-6.866953	20	PASS		
	NV	50			-40000.00	-6.866953	20	PASS		
	11N20MIMO	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS	
				NV	-20	-40000.00	-7.722008	20	PASS	
NV				-10	-40000.00	-7.722008	20	PASS		
NV				0	-40000.00	-7.722008	20	PASS		
NV				10	-40000.00	-7.722008	20	PASS		
NV				20	-40000.00	-7.722008	20	PASS		
NV				30	-40000.00	-7.722008	20	PASS		
NV				40	-40000.00	-7.722008	20	PASS		
NV				50	-40000.00	-7.722008	20	PASS		
Ant2		5180	NV	-30	-40000.00	-7.722008	20	PASS		
			NV	-20	-40000.00	-7.722008	20	PASS		
			NV	-10	-20000.00	-3.861004	20	PASS		
			NV	0	-20000.00	-3.861004	20	PASS		
			NV	10	-20000.00	-3.861004	20	PASS		
			NV	20	-40000.00	-7.722008	20	PASS		
			NV	30	-40000.00	-7.722008	20	PASS		
			NV	40	-40000.00	-7.722008	20	PASS		
			NV	50	-40000.00	-7.722008	20	PASS		
Ant1	5200	NV	-30	-40000.00	-7.692308	20	PASS			
		NV	-20	-40000.00	-7.692308	20	PASS			
		NV	-10	-40000.00	-7.692308	20	PASS			
		NV	0	-40000.00	-7.692308	20	PASS			
		NV	10	-40000.00	-7.692308	20	PASS			
		NV	20	-40000.00	-7.692308	20	PASS			
		NV	30	-40000.00	-7.692308	20	PASS			
		NV	40	-40000.00	-7.692308	20	PASS			
		NV	50	-40000.00	-7.692308	20	PASS			
Ant2	5200	NV	-30	-40000.00	-7.692308	20	PASS			
		NV	-20	-20000.00	-3.846154	20	PASS			
		NV	-10	-40000.00	-7.692308	20	PASS			
		NV	0	-40000.00	-7.692308	20	PASS			
		NV	10	-40000.00	-7.692308	20	PASS			
		NV	20	-40000.00	-7.692308	20	PASS			
		NV	30	-40000.00	-7.692308	20	PASS			
NV	40	-20000.00	-3.846154	20	PASS					

		NV	50	-20000.00	-3.846154	20	PASS
Ant1	5240	NV	-30	-40000.00	-7.633588	20	PASS
		NV	-20	-40000.00	-7.633588	20	PASS
		NV	-10	-40000.00	-7.633588	20	PASS
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		NV	40	-40000.00	-7.633588	20	PASS
		NV	50	-40000.00	-7.633588	20	PASS
		Ant2	5240	NV	-30	-20000.00	-3.816794
NV	-20			-20000.00	-3.816794	20	PASS
NV	-10			-20000.00	-3.816794	20	PASS
NV	0			-20000.00	-3.816794	20	PASS
NV	10			-20000.00	-3.816794	20	PASS
NV	20			-20000.00	-3.816794	20	PASS
NV	30			-20000.00	-3.816794	20	PASS
NV	40			-20000.00	-3.816794	20	PASS
NV	50			-20000.00	-3.816794	20	PASS
Ant1	5260			NV	-30	-40000.00	-7.604563
		NV	-20	-40000.00	-7.604563	20	PASS
		NV	-10	-40000.00	-7.604563	20	PASS
		NV	0	-40000.00	-7.604563	20	PASS
		NV	10	-40000.00	-7.604563	20	PASS
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		NV	40	-40000.00	-7.604563	20	PASS
		NV	50	-40000.00	-7.604563	20	PASS
		Ant2	5260	NV	-30	-40000.00	-7.604563
NV	-20			-60000.00	-11.406844	20	PASS
NV	-10			-40000.00	-7.604563	20	PASS
NV	0			-60000.00	-11.406844	20	PASS
NV	10			-60000.00	-11.406844	20	PASS
NV	20			-20000.00	-3.802281	20	PASS
NV	30			-40000.00	-7.604563	20	PASS
NV	40			-60000.00	-11.406844	20	PASS
NV	50			-60000.00	-11.406844	20	PASS
Ant1	5280			NV	-30	-40000.00	-7.575758
		NV	-20	-40000.00	-7.575758	20	PASS
		NV	-10	-40000.00	-7.575758	20	PASS
		NV	0	-40000.00	-7.575758	20	PASS
		NV	10	-40000.00	-7.575758	20	PASS
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		NV	40	-40000.00	-7.575758	20	PASS
		NV	50	-40000.00	-7.575758	20	PASS
		Ant2	5280	NV	-30	-40000.00	-7.575758
NV	-20			-60000.00	-11.363636	20	PASS
NV	-10			-60000.00	-11.363636	20	PASS
NV	0			-40000.00	-7.575758	20	PASS
NV	10			-40000.00	-7.575758	20	PASS

		NV	20	-60000.00	-11.363636	20	PASS		
		NV	30	-60000.00	-11.363636	20	PASS		
		NV	40	-40000.00	-7.575758	20	PASS		
		NV	50	-40000.00	-7.575758	20	PASS		
Ant1	5320	NV	-30	-40000.00	-7.518797	20	PASS		
		NV	-20	-40000.00	-7.518797	20	PASS		
		NV	-10	-40000.00	-7.518797	20	PASS		
		NV	0	-40000.00	-7.518797	20	PASS		
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		NV	30	-40000.00	-7.518797	20	PASS		
		NV	40	-40000.00	-7.518797	20	PASS		
		NV	50	-40000.00	-7.518797	20	PASS		
		Ant2	5320	NV	-30	-40000.00	-7.518797	20	PASS
				NV	-20	-60000.00	-11.278195	20	PASS
				NV	-10	-60000.00	-11.278195	20	PASS
				NV	0	-60000.00	-11.278195	20	PASS
NV	10			-60000.00	-11.278195	20	PASS		
NV	20			-60000.00	-11.278195	20	PASS		
NV	30			-60000.00	-11.278195	20	PASS		
NV	40			-40000.00	-7.518797	20	PASS		
NV	50			-60000.00	-11.278195	20	PASS		
Ant1	5500	NV	-30	-40000.00	-7.272727	20	PASS		
		NV	-20	-40000.00	-7.272727	20	PASS		
		NV	-10	-40000.00	-7.272727	20	PASS		
		NV	0	-40000.00	-7.272727	20	PASS		
		NV	10	-40000.00	-7.272727	20	PASS		
		NV	20	-40000.00	-7.272727	20	PASS		
		NV	30	-40000.00	-7.272727	20	PASS		
		NV	40	-40000.00	-7.272727	20	PASS		
		NV	50	-40000.00	-7.272727	20	PASS		
Ant2	5500	NV	-30	-60000.00	-10.909091	20	PASS		
		NV	-20	-60000.00	-10.909091	20	PASS		
		NV	-10	-40000.00	-7.272727	20	PASS		
		NV	0	-60000.00	-10.909091	20	PASS		
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		NV	40	-60000.00	-10.909091	20	PASS		
		NV	50	-60000.00	-10.909091	20	PASS		
Ant1	5580	NV	-30	-40000.00	-7.168459	20	PASS		
		NV	-20	-40000.00	-7.168459	20	PASS		
		NV	-10	-40000.00	-7.168459	20	PASS		
		NV	0	-40000.00	-7.168459	20	PASS		
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		NV	30	-40000.00	-7.168459	20	PASS		
		NV	40	-40000.00	-7.168459	20	PASS		
		NV	50	-40000.00	-7.168459	20	PASS		
Ant2	5580	NV	-30	-60000.00	-10.752688	20	PASS		
		NV	-20	-60000.00	-10.752688	20	PASS		

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			NV	0	-60000.00	-10.752688	20	PASS
			NV	10	-60000.00	-10.752688	20	PASS
			NV	20	-60000.00	-10.752688	20	PASS
			NV	30	-40000.00	-7.168459	20	PASS
			NV	40	-60000.00	-10.752688	20	PASS
			NV	50	-60000.00	-10.752688	20	PASS
	Ant1	5700	NV	-30	-40000.00	-7.017544	20	PASS
			NV	-20	-40000.00	-7.017544	20	PASS
			NV	-10	-40000.00	-7.017544	20	PASS
			NV	0	-40000.00	-7.017544	20	PASS
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			NV	40	-40000.00	-7.017544	20	PASS
			NV	50	-40000.00	-7.017544	20	PASS
	Ant2	5700	NV	-30	-60000.00	-10.526316	20	PASS
			NV	-20	-60000.00	-10.526316	20	PASS
			NV	-10	-60000.00	-10.526316	20	PASS
			NV	0	-60000.00	-10.526316	20	PASS
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			NV	40	-60000.00	-10.526316	20	PASS
			NV	50	-60000.00	-10.526316	20	PASS
	Ant1	5745	NV	-30	-40000.00	-6.962576	20	PASS
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			NV	40	-40000.00	-6.962576	20	PASS
			NV	50	-40000.00	-6.962576	20	PASS
	Ant2	5745	NV	-30	-40000.00	-6.962576	20	PASS
			NV	-20	-40000.00	-6.962576	20	PASS
			NV	-10	-40000.00	-6.962576	20	PASS
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			NV	30	-40000.00	-6.962576	20	PASS
			NV	40	-40000.00	-6.962576	20	PASS
			NV	50	-40000.00	-6.962576	20	PASS
	Ant1	5785	NV	-30	-40000.00	-6.914434	20	PASS
			NV	-20	-40000.00	-6.914434	20	PASS
			NV	-10	-40000.00	-6.914434	20	PASS
			NV	0	-40000.00	-6.914434	20	PASS
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			NV	20	-40000.00	-6.914434	20	PASS
			NV	30	-40000.00	-6.914434	20	PASS
			NV	40	-40000.00	-6.914434	20	PASS

11N40MIMO	Ant2	5785	NV	50	-40000.00	-6.914434	20	PASS
			NV	-30	-40000.00	-6.914434	20	PASS
			NV	-20	-40000.00	-6.914434	20	PASS
			NV	-10	-40000.00	-6.914434	20	PASS
			NV	0	-40000.00	-6.914434	20	PASS
			NV	10	-40000.00	-6.914434	20	PASS
			NV	20	-40000.00	-6.914434	20	PASS
			NV	30	-40000.00	-6.914434	20	PASS
			NV	40	-40000.00	-6.914434	20	PASS
			NV	50	-40000.00	-6.914434	20	PASS
	Ant1	5825	NV	-30	-40000.00	-6.866953	20	PASS
			NV	-20	-40000.00	-6.866953	20	PASS
			NV	-10	-40000.00	-6.866953	20	PASS
			NV	0	-40000.00	-6.866953	20	PASS
			NV	10	-40000.00	-6.866953	20	PASS
			NV	20	-40000.00	-6.866953	20	PASS
			NV	30	-40000.00	-6.866953	20	PASS
			NV	40	-40000.00	-6.866953	20	PASS
			NV	50	-40000.00	-6.866953	20	PASS
			Ant2	5825	NV	-30	-40000.00	-6.866953
	NV	-20			-40000.00	-6.866953	20	PASS
	NV	-10			-40000.00	-6.866953	20	PASS
	NV	0			-40000.00	-6.866953	20	PASS
	NV	10			-40000.00	-6.866953	20	PASS
	NV	20			-40000.00	-6.866953	20	PASS
	NV	30			-40000.00	-6.866953	20	PASS
	NV	40			-60000.00	-10.300429	20	PASS
	NV	50			-40000.00	-6.866953	20	PASS
	Ant1	5190			NV	-30	0.00	0.000000
			NV	-20	-40000.00	-7.707129	20	PASS
			NV	-10	-40000.00	-7.707129	20	PASS
			NV	0	-40000.00	-7.707129	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS
			NV	20	-40000.00	-7.707129	20	PASS
			NV	30	-40000.00	-7.707129	20	PASS
			NV	40	0.00	0.000000	20	PASS
NV			50	-40000.00	-7.707129	20	PASS	
Ant2		5190	NV	-30	-40000.00	-7.707129	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.707129	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
Ant1	5230	NV	-30	0.00	0.000000	20	PASS	
		NV	-20	-40000.00	-7.648184	20	PASS	
		NV	-10	0.00	0.000000	20	PASS	
		NV	0	-40000.00	-7.648184	20	PASS	
		NV	10	-40000.00	-7.648184	20	PASS	

		NV	20	-40000.00	-7.648184	20	PASS		
		NV	30	-40000.00	-7.648184	20	PASS		
		NV	40	-40000.00	-7.648184	20	PASS		
		NV	50	-40000.00	-7.648184	20	PASS		
Ant2	5230	NV	-30	-40000.00	-7.648184	20	PASS		
		NV	-20	-40000.00	-7.648184	20	PASS		
		NV	-10	-40000.00	-7.648184	20	PASS		
		NV	0	-40000.00	-7.648184	20	PASS		
		NV	10	-40000.00	-7.648184	20	PASS		
		NV	20	-40000.00	-7.648184	20	PASS		
		NV	30	0.00	0.000000	20	PASS		
		NV	40	-40000.00	-7.648184	20	PASS		
		NV	50	0.00	0.000000	20	PASS		
		Ant1	5270	NV	-30	-40000.00	-7.590133	20	PASS
				NV	-20	0.00	0.000000	20	PASS
				NV	-10	-40000.00	-7.590133	20	PASS
				NV	0	0.00	0.000000	20	PASS
				NV	10	0.00	0.000000	20	PASS
NV	20			-40000.00	-7.590133	20	PASS		
NV	30			-40000.00	-7.590133	20	PASS		
NV	40			0.00	0.000000	20	PASS		
NV	50			0.00	0.000000	20	PASS		
Ant2	5270	NV	-30	-40000.00	-7.590133	20	PASS		
		NV	-20	0.00	0.000000	20	PASS		
		NV	-10	0.00	0.000000	20	PASS		
		NV	0	0.00	0.000000	20	PASS		
		NV	10	0.00	0.000000	20	PASS		
		NV	20	0.00	0.000000	20	PASS		
		NV	30	0.00	0.000000	20	PASS		
		NV	40	0.00	0.000000	20	PASS		
		NV	50	-40000.00	-7.590133	20	PASS		
Ant1	5310	NV	-30	-40000.00	-7.532957	20	PASS		
		NV	-20	-40000.00	-7.532957	20	PASS		
		NV	-10	-40000.00	-7.532957	20	PASS		
		NV	0	-40000.00	-7.532957	20	PASS		
		NV	10	-40000.00	-7.532957	20	PASS		
		NV	20	-40000.00	-7.532957	20	PASS		
		NV	30	-40000.00	-7.532957	20	PASS		
		NV	40	-40000.00	-7.532957	20	PASS		
		NV	50	-40000.00	-7.532957	20	PASS		
Ant2	5310	NV	-30	-40000.00	-7.532957	20	PASS		
		NV	-20	-40000.00	-7.532957	20	PASS		
		NV	-10	0.00	0.000000	20	PASS		
		NV	0	-40000.00	-7.532957	20	PASS		
		NV	10	-40000.00	-7.532957	20	PASS		
		NV	20	0.00	0.000000	20	PASS		
		NV	30	-40000.00	-7.532957	20	PASS		
		NV	40	-40000.00	-7.532957	20	PASS		
		NV	50	0.00	0.000000	20	PASS		
Ant1	5510	NV	-30	0.00	0.000000	20	PASS		
		NV	-20	0.00	0.000000	20	PASS		

			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-40000.00	-7.259528	20	PASS
	Ant2	5510	NV	-30	-40000.00	-7.259528	20	PASS
			NV	-20	-40000.00	-7.259528	20	PASS
			NV	-10	-40000.00	-7.259528	20	PASS
			NV	0	-40000.00	-7.259528	20	PASS
			NV	10	-40000.00	-7.259528	20	PASS
			NV	20	-40000.00	-7.259528	20	PASS
			NV	30	-40000.00	-7.259528	20	PASS
			NV	40	-40000.00	-7.259528	20	PASS
			NV	50	-40000.00	-7.259528	20	PASS
	Ant1	5550	NV	-30	-40000.00	-7.207207	20	PASS
			NV	-20	-40000.00	-7.207207	20	PASS
			NV	-10	-40000.00	-7.207207	20	PASS
			NV	0	-40000.00	-7.207207	20	PASS
			NV	10	-40000.00	-7.207207	20	PASS
			NV	20	-40000.00	-7.207207	20	PASS
			NV	30	-40000.00	-7.207207	20	PASS
			NV	40	-40000.00	-7.207207	20	PASS
			NV	50	-40000.00	-7.207207	20	PASS
	Ant2	5550	NV	-30	-40000.00	-7.207207	20	PASS
			NV	-20	-40000.00	-7.207207	20	PASS
			NV	-10	-40000.00	-7.207207	20	PASS
			NV	0	-40000.00	-7.207207	20	PASS
			NV	10	-40000.00	-7.207207	20	PASS
			NV	20	-40000.00	-7.207207	20	PASS
			NV	30	-40000.00	-7.207207	20	PASS
			NV	40	-40000.00	-7.207207	20	PASS
			NV	50	-40000.00	-7.207207	20	PASS
	Ant1	5670	NV	-30	-40000.00	-7.054674	20	PASS
			NV	-20	-40000.00	-7.054674	20	PASS
			NV	-10	-40000.00	-7.054674	20	PASS
			NV	0	-40000.00	-7.054674	20	PASS
			NV	10	-40000.00	-7.054674	20	PASS
			NV	20	-40000.00	-7.054674	20	PASS
			NV	30	-40000.00	-7.054674	20	PASS
			NV	40	-40000.00	-7.054674	20	PASS
			NV	50	-40000.00	-7.054674	20	PASS
	Ant2	5670	NV	-30	-40000.00	-7.054674	20	PASS
			NV	-20	-40000.00	-7.054674	20	PASS
			NV	-10	-40000.00	-7.054674	20	PASS
			NV	0	-40000.00	-7.054674	20	PASS
			NV	10	-40000.00	-7.054674	20	PASS
			NV	20	-40000.00	-7.054674	20	PASS
			NV	30	-40000.00	-7.054674	20	PASS
			NV	40	-40000.00	-7.054674	20	PASS

11AC20MIMO	Ant1	5755	NV	50	-40000.00	-7.054674	20	PASS
			NV	-30	-40000.00	-6.950478	20	PASS
			NV	-20	-40000.00	-6.950478	20	PASS
			NV	-10	-40000.00	-6.950478	20	PASS
			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	-40000.00	-6.950478	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant2	5755	NV	-30	-40000.00	-6.950478	20	PASS
			NV	-20	-40000.00	-6.950478	20	PASS
			NV	-10	-40000.00	-6.950478	20	PASS
			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	-40000.00	-6.950478	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	-40000.00	-6.950478	20	PASS
			Ant1	5795	NV	-30	0.00	0.000000
	NV	-20			0.00	0.000000	20	PASS
	NV	-10			-40000.00	-6.902502	20	PASS
	NV	0			0.00	0.000000	20	PASS
	NV	10			0.00	0.000000	20	PASS
	NV	20			0.00	0.000000	20	PASS
	NV	30			-40000.00	-6.902502	20	PASS
	NV	40			-40000.00	-6.902502	20	PASS
	NV	50			0.00	0.000000	20	PASS
	Ant2	5795			NV	-30	-40000.00	-6.902502
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-6.902502	20	PASS
			NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
NV			50	-40000.00	-6.902502	20	PASS	
Ant1			5180	NV	-30	-20000.00	-3.861004	20
	NV	-20		-20000.00	-3.861004	20	PASS	
	NV	-10		-20000.00	-3.861004	20	PASS	
	NV	0		-20000.00	-3.861004	20	PASS	
	NV	10		-40000.00	-7.722008	20	PASS	
	NV	20		-20000.00	-3.861004	20	PASS	
	NV	30		-20000.00	-3.861004	20	PASS	
	NV	40		-40000.00	-7.722008	20	PASS	
	NV	50		-40000.00	-7.722008	20	PASS	
	Ant2	5180		NV	-30	-40000.00	-7.722008	20
NV			-20	-40000.00	-7.722008	20	PASS	
NV			-10	-20000.00	-3.861004	20	PASS	
NV			0	-40000.00	-7.722008	20	PASS	
NV			10	-20000.00	-3.861004	20	PASS	

		NV	20	-40000.00	-7.722008	20	PASS		
		NV	30	-40000.00	-7.722008	20	PASS		
		NV	40	-20000.00	-3.861004	20	PASS		
		NV	50	-20000.00	-3.861004	20	PASS		
Ant1	5200	NV	-30	-20000.00	-3.846154	20	PASS		
		NV	-20	-40000.00	-7.692308	20	PASS		
		NV	-10	-40000.00	-7.692308	20	PASS		
		NV	0	-20000.00	-3.846154	20	PASS		
		NV	10	-20000.00	-3.846154	20	PASS		
		NV	20	-60000.00	-11.538462	20	PASS		
		NV	30	-40000.00	-7.692308	20	PASS		
		NV	40	-40000.00	-7.692308	20	PASS		
		NV	50	-40000.00	-7.692308	20	PASS		
		Ant2	5200	NV	-30	-20000.00	-3.846154	20	PASS
				NV	-20	-40000.00	-7.692308	20	PASS
				NV	-10	-40000.00	-7.692308	20	PASS
				NV	0	-40000.00	-7.692308	20	PASS
				NV	10	-20000.00	-3.846154	20	PASS
NV	20			-40000.00	-7.692308	20	PASS		
NV	30			-20000.00	-3.846154	20	PASS		
NV	40			-40000.00	-7.692308	20	PASS		
NV	50			-20000.00	-3.846154	20	PASS		
Ant1	5240	NV	-30	-40000.00	-7.633588	20	PASS		
		NV	-20	-40000.00	-7.633588	20	PASS		
		NV	-10	-40000.00	-7.633588	20	PASS		
		NV	0	-40000.00	-7.633588	20	PASS		
		NV	10	-40000.00	-7.633588	20	PASS		
		NV	20	-40000.00	-7.633588	20	PASS		
		NV	30	-40000.00	-7.633588	20	PASS		
		NV	40	-40000.00	-7.633588	20	PASS		
		NV	50	-40000.00	-7.633588	20	PASS		
Ant2	5240	NV	-30	-40000.00	-7.633588	20	PASS		
		NV	-20	-40000.00	-7.633588	20	PASS		
		NV	-10	-40000.00	-7.633588	20	PASS		
		NV	0	-40000.00	-7.633588	20	PASS		
		NV	10	-40000.00	-7.633588	20	PASS		
		NV	20	-40000.00	-7.633588	20	PASS		
		NV	30	-40000.00	-7.633588	20	PASS		
		NV	40	-40000.00	-7.633588	20	PASS		
		NV	50	-40000.00	-7.633588	20	PASS		
Ant1	5260	NV	-30	-40000.00	-7.604563	20	PASS		
		NV	-20	-60000.00	-11.406844	20	PASS		
		NV	-10	-60000.00	-11.406844	20	PASS		
		NV	0	-40000.00	-7.604563	20	PASS		
		NV	10	-20000.00	-3.802281	20	PASS		
		NV	20	-20000.00	-3.802281	20	PASS		
		NV	30	-40000.00	-7.604563	20	PASS		
		NV	40	-60000.00	-11.406844	20	PASS		
		NV	50	-40000.00	-7.604563	20	PASS		
Ant2	5260	NV	-30	-20000.00	-3.802281	20	PASS		
		NV	-20	-40000.00	-7.604563	20	PASS		

			NV	-10	-40000.00	-7.604563	20	PASS
			NV	0	-40000.00	-7.604563	20	PASS
			NV	10	-40000.00	-7.604563	20	PASS
			NV	20	-40000.00	-7.604563	20	PASS
			NV	30	-20000.00	-3.802281	20	PASS
			NV	40	-40000.00	-7.604563	20	PASS
			NV	50	-40000.00	-7.604563	20	PASS
	Ant1	5280	NV	-30	-60000.00	-11.363636	20	PASS
			NV	-20	-40000.00	-7.575758	20	PASS
			NV	-10	-60000.00	-11.363636	20	PASS
			NV	0	-40000.00	-7.575758	20	PASS
			NV	10	-20000.00	-3.787879	20	PASS
			NV	20	-40000.00	-7.575758	20	PASS
			NV	30	-40000.00	-7.575758	20	PASS
			NV	40	-40000.00	-7.575758	20	PASS
			NV	50	-40000.00	-7.575758	20	PASS
	Ant2	5280	NV	-30	-20000.00	-3.787879	20	PASS
			NV	-20	-40000.00	-7.575758	20	PASS
			NV	-10	-40000.00	-7.575758	20	PASS
			NV	0	-40000.00	-7.575758	20	PASS
			NV	10	-20000.00	-3.787879	20	PASS
			NV	20	-20000.00	-3.787879	20	PASS
			NV	30	-20000.00	-3.787879	20	PASS
			NV	40	-20000.00	-3.787879	20	PASS
			NV	50	-40000.00	-7.575758	20	PASS
	Ant1	5320	NV	-30	-40000.00	-7.518797	20	PASS
			NV	-20	-60000.00	-11.278195	20	PASS
			NV	-10	-60000.00	-11.278195	20	PASS
			NV	0	-20000.00	-3.759398	20	PASS
			NV	10	-20000.00	-3.759398	20	PASS
			NV	20	-40000.00	-7.518797	20	PASS
			NV	30	-60000.00	-11.278195	20	PASS
			NV	40	-60000.00	-11.278195	20	PASS
			NV	50	-60000.00	-11.278195	20	PASS
	Ant2	5320	NV	-30	-40000.00	-7.518797	20	PASS
			NV	-20	-40000.00	-7.518797	20	PASS
			NV	-10	-40000.00	-7.518797	20	PASS
			NV	0	-40000.00	-7.518797	20	PASS
			NV	10	-40000.00	-7.518797	20	PASS
			NV	20	-40000.00	-7.518797	20	PASS
			NV	30	-40000.00	-7.518797	20	PASS
			NV	40	-20000.00	-3.759398	20	PASS
			NV	50	-40000.00	-7.518797	20	PASS
	Ant1	5500	NV	-30	-60000.00	-10.909091	20	PASS
			NV	-20	-40000.00	-7.272727	20	PASS
			NV	-10	-40000.00	-7.272727	20	PASS
			NV	0	-40000.00	-7.272727	20	PASS
			NV	10	-60000.00	-10.909091	20	PASS
			NV	20	-40000.00	-7.272727	20	PASS
			NV	30	-40000.00	-7.272727	20	PASS
			NV	40	-40000.00	-7.272727	20	PASS

		NV	50	-60000.00	-10.909091	20	PASS
Ant2	5500	NV	-30	-40000.00	-7.272727	20	PASS
		NV	-20	-40000.00	-7.272727	20	PASS
		NV	-10	-40000.00	-7.272727	20	PASS
		NV	0	-20000.00	-3.636364	20	PASS
		NV	10	-40000.00	-7.272727	20	PASS
		NV	20	-40000.00	-7.272727	20	PASS
		NV	30	-40000.00	-7.272727	20	PASS
		NV	40	-40000.00	-7.272727	20	PASS
		NV	50	-40000.00	-7.272727	20	PASS
		Ant1	5580	NV	-30	-60000.00	-10.752688
NV	-20			-60000.00	-10.752688	20	PASS
NV	-10			-60000.00	-10.752688	20	PASS
NV	0			-60000.00	-10.752688	20	PASS
NV	10			-60000.00	-10.752688	20	PASS
NV	20			-40000.00	-7.168459	20	PASS
NV	30			-60000.00	-10.752688	20	PASS
NV	40			-60000.00	-10.752688	20	PASS
NV	50			-60000.00	-10.752688	20	PASS
Ant2	5580			NV	-30	-60000.00	-10.752688
		NV	-20	-40000.00	-7.168459	20	PASS
		NV	-10	-60000.00	-10.752688	20	PASS
		NV	0	-40000.00	-7.168459	20	PASS
		NV	10	-40000.00	-7.168459	20	PASS
		NV	20	-60000.00	-10.752688	20	PASS
		NV	30	-20000.00	-3.584229	20	PASS
		NV	40	-40000.00	-7.168459	20	PASS
		NV	50	-40000.00	-7.168459	20	PASS
		Ant1	5700	NV	-30	-40000.00	-7.017544
NV	-20			-20000.00	-3.508772	20	PASS
NV	-10			-40000.00	-7.017544	20	PASS
NV	0			-40000.00	-7.017544	20	PASS
NV	10			-40000.00	-7.017544	20	PASS
NV	20			-40000.00	-7.017544	20	PASS
NV	30			-60000.00	-10.526316	20	PASS
NV	40			-60000.00	-10.526316	20	PASS
NV	50			-60000.00	-10.526316	20	PASS
Ant2	5700			NV	-30	-40000.00	-7.017544
		NV	-20	-40000.00	-7.017544	20	PASS
		NV	-10	-20000.00	-3.508772	20	PASS
		NV	0	-40000.00	-7.017544	20	PASS
		NV	10	-40000.00	-7.017544	20	PASS
		NV	20	-40000.00	-7.017544	20	PASS
		NV	30	-40000.00	-7.017544	20	PASS
		NV	40	-40000.00	-7.017544	20	PASS
		NV	50	-40000.00	-7.017544	20	PASS
		Ant1	5745	NV	-30	-40000.00	-6.962576
NV	-20			-40000.00	-6.962576	20	PASS
NV	-10			-40000.00	-6.962576	20	PASS
NV	0			-40000.00	-6.962576	20	PASS
NV	10			-20000.00	-3.481288	20	PASS

			NV	20	-20000.00	-3.481288	20	PASS		
			NV	30	-20000.00	-3.481288	20	PASS		
			NV	40	-40000.00	-6.962576	20	PASS		
			NV	50	-40000.00	-6.962576	20	PASS		
	Ant2	5745	NV	-30	-40000.00	-6.962576	20	PASS		
			NV	-20	-40000.00	-6.962576	20	PASS		
			NV	-10	-40000.00	-6.962576	20	PASS		
			NV	0	-20000.00	-3.481288	20	PASS		
			NV	10	-40000.00	-6.962576	20	PASS		
			NV	20	-40000.00	-6.962576	20	PASS		
			NV	30	-40000.00	-6.962576	20	PASS		
			NV	40	-40000.00	-6.962576	20	PASS		
			NV	50	-40000.00	-6.962576	20	PASS		
			Ant1	5785	NV	-30	-40000.00	-6.914434	20	PASS
					NV	-20	-40000.00	-6.914434	20	PASS
					NV	-10	-20000.00	-3.457217	20	PASS
					NV	0	-40000.00	-6.914434	20	PASS
					NV	10	-40000.00	-6.914434	20	PASS
	NV	20			-40000.00	-6.914434	20	PASS		
	NV	30			-40000.00	-6.914434	20	PASS		
	NV	40			-20000.00	-3.457217	20	PASS		
	NV	50			-40000.00	-6.914434	20	PASS		
	Ant2	5785	NV	-30	-20000.00	-3.457217	20	PASS		
			NV	-20	-40000.00	-6.914434	20	PASS		
			NV	-10	-40000.00	-6.914434	20	PASS		
			NV	0	-40000.00	-6.914434	20	PASS		
			NV	10	-40000.00	-6.914434	20	PASS		
			NV	20	-20000.00	-3.457217	20	PASS		
			NV	30	-20000.00	-3.457217	20	PASS		
			NV	40	-20000.00	-3.457217	20	PASS		
			NV	50	-40000.00	-6.914434	20	PASS		
	Ant1	5825	NV	-30	-40000.00	-6.866953	20	PASS		
			NV	-20	-20000.00	-3.433476	20	PASS		
			NV	-10	-40000.00	-6.866953	20	PASS		
			NV	0	-40000.00	-6.866953	20	PASS		
			NV	10	-60000.00	-10.300429	20	PASS		
			NV	20	-40000.00	-6.866953	20	PASS		
			NV	30	-40000.00	-6.866953	20	PASS		
			NV	40	-20000.00	-3.433476	20	PASS		
			NV	50	-40000.00	-6.866953	20	PASS		
	Ant2	5825	NV	-30	-40000.00	-6.866953	20	PASS		
			NV	-20	-40000.00	-6.866953	20	PASS		
			NV	-10	-20000.00	-3.433476	20	PASS		
			NV	0	-40000.00	-6.866953	20	PASS		
			NV	10	-40000.00	-6.866953	20	PASS		
			NV	20	-40000.00	-6.866953	20	PASS		
			NV	30	-20000.00	-3.433476	20	PASS		
			NV	40	-40000.00	-6.866953	20	PASS		
			NV	50	-40000.00	-6.866953	20	PASS		
11AC40MIMO	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS		
			NV	-20	-40000.00	-7.707129	20	PASS		

			NV	-10	-40000.00	-7.707129	20	PASS
			NV	0	-40000.00	-7.707129	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS
			NV	20	-40000.00	-7.707129	20	PASS
			NV	30	-40000.00	-7.707129	20	PASS
			NV	40	-40000.00	-7.707129	20	PASS
			NV	50	-40000.00	-7.707129	20	PASS
	Ant2	5190	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.707129	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS
			NV	20	-40000.00	-7.707129	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-7.707129	20	PASS
			NV	50	-40000.00	-7.707129	20	PASS
	Ant1	5230	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.648184	20	PASS
			NV	-10	-40000.00	-7.648184	20	PASS
			NV	0	-40000.00	-7.648184	20	PASS
			NV	10	-40000.00	-7.648184	20	PASS
			NV	20	-40000.00	-7.648184	20	PASS
			NV	30	-40000.00	-7.648184	20	PASS
			NV	40	-40000.00	-7.648184	20	PASS
			NV	50	-40000.00	-7.648184	20	PASS
	Ant2	5230	NV	-30	-40000.00	-7.648184	20	PASS
			NV	-20	-40000.00	-7.648184	20	PASS
			NV	-10	-40000.00	-7.648184	20	PASS
			NV	0	-40000.00	-7.648184	20	PASS
			NV	10	-40000.00	-7.648184	20	PASS
			NV	20	-40000.00	-7.648184	20	PASS
			NV	30	-40000.00	-7.648184	20	PASS
			NV	40	-40000.00	-7.648184	20	PASS
			NV	50	-40000.00	-7.648184	20	PASS
	Ant1	5270	NV	-30	-40000.00	-7.590133	20	PASS
			NV	-20	-40000.00	-7.590133	20	PASS
			NV	-10	-40000.00	-7.590133	20	PASS
			NV	0	-40000.00	-7.590133	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.590133	20	PASS
			NV	30	-40000.00	-7.590133	20	PASS
			NV	40	-40000.00	-7.590133	20	PASS
			NV	50	-40000.00	-7.590133	20	PASS
	Ant2	5270	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.590133	20	PASS
			NV	-10	-40000.00	-7.590133	20	PASS
			NV	0	-40000.00	-7.590133	20	PASS
			NV	10	-40000.00	-7.590133	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.590133	20	PASS
			NV	40	0.00	0.000000	20	PASS

			NV	50	0.00	0.000000	20	PASS
Ant1	5310		NV	-30	-40000.00	-7.532957	20	PASS
			NV	-20	-40000.00	-7.532957	20	PASS
			NV	-10	-40000.00	-7.532957	20	PASS
			NV	0	-40000.00	-7.532957	20	PASS
			NV	10	-40000.00	-7.532957	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.532957	20	PASS
			NV	40	-40000.00	-7.532957	20	PASS
			NV	50	-40000.00	-7.532957	20	PASS
Ant2	5310		NV	-30	-40000.00	-7.532957	20	PASS
			NV	-20	-40000.00	-7.532957	20	PASS
			NV	-10	-40000.00	-7.532957	20	PASS
			NV	0	-40000.00	-7.532957	20	PASS
			NV	10	-40000.00	-7.532957	20	PASS
			NV	20	-40000.00	-7.532957	20	PASS
			NV	30	-40000.00	-7.532957	20	PASS
			NV	40	-40000.00	-7.532957	20	PASS
			NV	50	-40000.00	-7.532957	20	PASS
Ant1	5510		NV	-30	-40000.00	-7.259528	20	PASS
			NV	-20	-40000.00	-7.259528	20	PASS
			NV	-10	-40000.00	-7.259528	20	PASS
			NV	0	-40000.00	-7.259528	20	PASS
			NV	10	-40000.00	-7.259528	20	PASS
			NV	20	-40000.00	-7.259528	20	PASS
			NV	30	-40000.00	-7.259528	20	PASS
			NV	40	-40000.00	-7.259528	20	PASS
			NV	50	-40000.00	-7.259528	20	PASS
Ant2	5510		NV	-30	-40000.00	-7.259528	20	PASS
			NV	-20	-40000.00	-7.259528	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.259528	20	PASS
			NV	20	-40000.00	-7.259528	20	PASS
			NV	30	-40000.00	-7.259528	20	PASS
			NV	40	-40000.00	-7.259528	20	PASS
			NV	50	-40000.00	-7.259528	20	PASS
Ant1	5550		NV	-30	-40000.00	-7.207207	20	PASS
			NV	-20	-40000.00	-7.207207	20	PASS
			NV	-10	-40000.00	-7.207207	20	PASS
			NV	0	-40000.00	-7.207207	20	PASS
			NV	10	-40000.00	-7.207207	20	PASS
			NV	20	-40000.00	-7.207207	20	PASS
			NV	30	-40000.00	-7.207207	20	PASS
			NV	40	-40000.00	-7.207207	20	PASS
			NV	50	-40000.00	-7.207207	20	PASS
Ant2	5550		NV	-30	-40000.00	-7.207207	20	PASS
			NV	-20	-40000.00	-7.207207	20	PASS
			NV	-10	-40000.00	-7.207207	20	PASS
			NV	0	-40000.00	-7.207207	20	PASS
			NV	10	-40000.00	-7.207207	20	PASS

		NV	20	0.00	0.000000	20	PASS		
		NV	30	-40000.00	-7.207207	20	PASS		
		NV	40	-40000.00	-7.207207	20	PASS		
		NV	50	-40000.00	-7.207207	20	PASS		
Ant1	5670	NV	-30	-40000.00	-7.054674	20	PASS		
		NV	-20	-40000.00	-7.054674	20	PASS		
		NV	-10	-40000.00	-7.054674	20	PASS		
		NV	0	-40000.00	-7.054674	20	PASS		
		NV	10	-40000.00	-7.054674	20	PASS		
		NV	20	-40000.00	-7.054674	20	PASS		
		NV	30	-40000.00	-7.054674	20	PASS		
		NV	40	-40000.00	-7.054674	20	PASS		
		NV	50	-40000.00	-7.054674	20	PASS		
		Ant2	5670	NV	-30	-40000.00	-7.054674	20	PASS
				NV	-20	-40000.00	-7.054674	20	PASS
				NV	-10	-40000.00	-7.054674	20	PASS
NV	0			-40000.00	-7.054674	20	PASS		
NV	10			-40000.00	-7.054674	20	PASS		
NV	20			-40000.00	-7.054674	20	PASS		
NV	30			-40000.00	-7.054674	20	PASS		
NV	40			-40000.00	-7.054674	20	PASS		
Ant1	5755	NV	-30	-40000.00	-6.950478	20	PASS		
		NV	-20	-40000.00	-6.950478	20	PASS		
		NV	-10	-40000.00	-6.950478	20	PASS		
		NV	0	-40000.00	-6.950478	20	PASS		
		NV	10	-40000.00	-6.950478	20	PASS		
		NV	20	-40000.00	-6.950478	20	PASS		
		NV	30	-40000.00	-6.950478	20	PASS		
		NV	40	-40000.00	-6.950478	20	PASS		
Ant2	5755	NV	50	-40000.00	-6.950478	20	PASS		
		NV	-30	-40000.00	-6.950478	20	PASS		
		NV	-20	-40000.00	-6.950478	20	PASS		
		NV	-10	-40000.00	-6.950478	20	PASS		
		NV	0	0.00	0.000000	20	PASS		
		NV	10	-40000.00	-6.950478	20	PASS		
		NV	20	-40000.00	-6.950478	20	PASS		
		NV	30	-40000.00	-6.950478	20	PASS		
		NV	40	0.00	0.000000	20	PASS		
		NV	50	-40000.00	-6.950478	20	PASS		
Ant1	5795	NV	-30	-40000.00	-6.902502	20	PASS		
		NV	-20	-40000.00	-6.902502	20	PASS		
		NV	-10	-40000.00	-6.902502	20	PASS		
		NV	0	-40000.00	-6.902502	20	PASS		
		NV	10	-40000.00	-6.902502	20	PASS		
		NV	20	-40000.00	-6.902502	20	PASS		
		NV	30	-40000.00	-6.902502	20	PASS		
		NV	40	-40000.00	-6.902502	20	PASS		
Ant2	5795	NV	50	-40000.00	-6.902502	20	PASS		
		NV	-30	-40000.00	-6.902502	20	PASS		
		NV	-20	-40000.00	-6.902502	20	PASS		

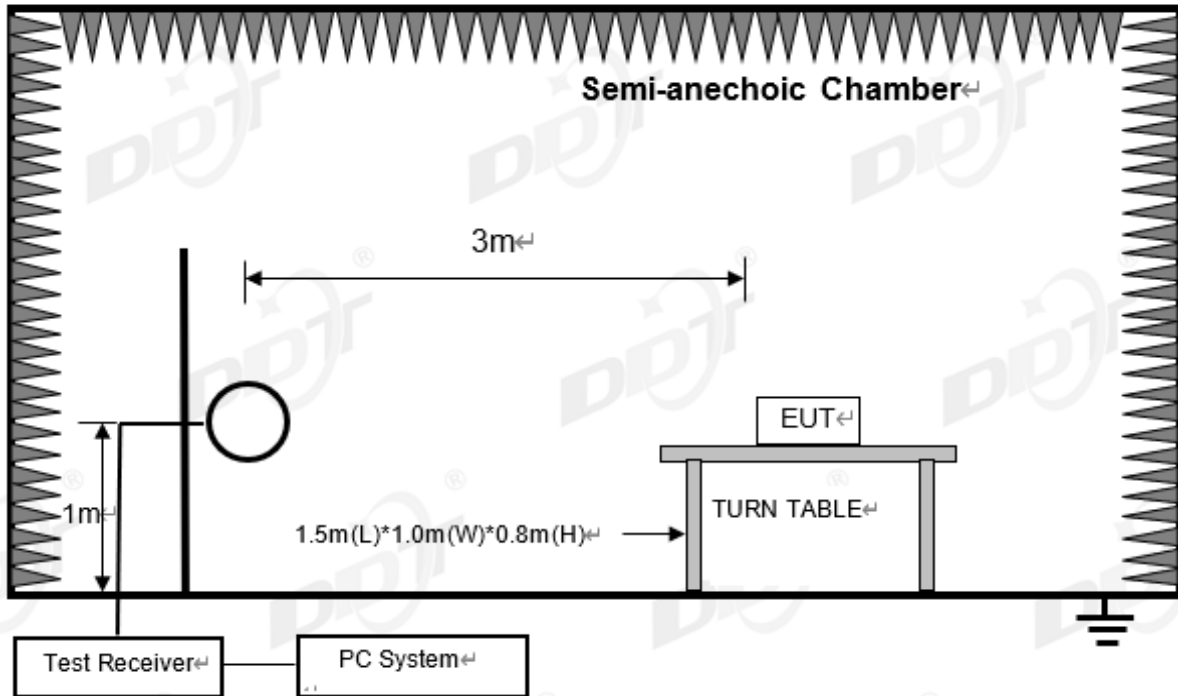
			NV	-10	-40000.00	-6.902502	20	PASS
			NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
			NV	50	-40000.00	-6.902502	20	PASS
11AC80MIMO	Ant1	5210	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	NV	50	0.00	0.000000	20	PASS		
	Ant2	5210	NV	-30	80000.00	15.355086	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	NV	50	0.00	0.000000	20	PASS		
	Ant1	5290	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	NV	50	0.00	0.000000	20	PASS		
	Ant2	5290	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
NV			20	0.00	0.000000	20	PASS	
NV			30	0.00	0.000000	20	PASS	
NV			40	80000.00	15.122873	20	PASS	
NV	50	0.00	0.000000	20	PASS			
Ant1	5530	NV	-30	0.00	0.000000	20	PASS	
		NV	-20	0.00	0.000000	20	PASS	
		NV	-10	0.00	0.000000	20	PASS	
		NV	0	0.00	0.000000	20	PASS	
		NV	10	0.00	0.000000	20	PASS	
		NV	20	0.00	0.000000	20	PASS	
		NV	30	0.00	0.000000	20	PASS	
NV	40	0.00	0.000000	20	PASS			

Ant2	5530	NV	50	0.00	0.000000	20	PASS
		NV	-30	0.00	0.000000	20	PASS
		NV	-20	0.00	0.000000	20	PASS
		NV	-10	0.00	0.000000	20	PASS
		NV	0	0.00	0.000000	20	PASS
		NV	10	0.00	0.000000	20	PASS
		NV	20	0.00	0.000000	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	0.00	0.000000	20	PASS
		NV	50	0.00	0.000000	20	PASS
Ant1	5610	NV	-30	0.00	0.000000	20	PASS
		NV	-20	0.00	0.000000	20	PASS
		NV	-10	0.00	0.000000	20	PASS
		NV	0	0.00	0.000000	20	PASS
		NV	10	0.00	0.000000	20	PASS
		NV	20	0.00	0.000000	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	0.00	0.000000	20	PASS
Ant2	5610	NV	-30	0.00	0.000000	20	PASS
		NV	-20	0.00	0.000000	20	PASS
		NV	-10	0.00	0.000000	20	PASS
		NV	0	0.00	0.000000	20	PASS
		NV	10	0.00	0.000000	20	PASS
		NV	20	0.00	0.000000	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	0.00	0.000000	20	PASS
Ant1	5775	NV	-30	0.00	0.000000	20	PASS
		NV	-20	0.00	0.000000	20	PASS
		NV	-10	0.00	0.000000	20	PASS
		NV	0	0.00	0.000000	20	PASS
		NV	10	0.00	0.000000	20	PASS
		NV	20	0.00	0.000000	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	0.00	0.000000	20	PASS
Ant2	5775	NV	-30	0.00	0.000000	20	PASS
		NV	-20	0.00	0.000000	20	PASS
		NV	-10	0.00	0.000000	20	PASS
		NV	0	0.00	0.000000	20	PASS
		NV	10	0.00	0.000000	20	PASS
		NV	20	0.00	0.000000	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	0.00	0.000000	20	PASS
NV	50	0.00	0.000000	20	PASS		

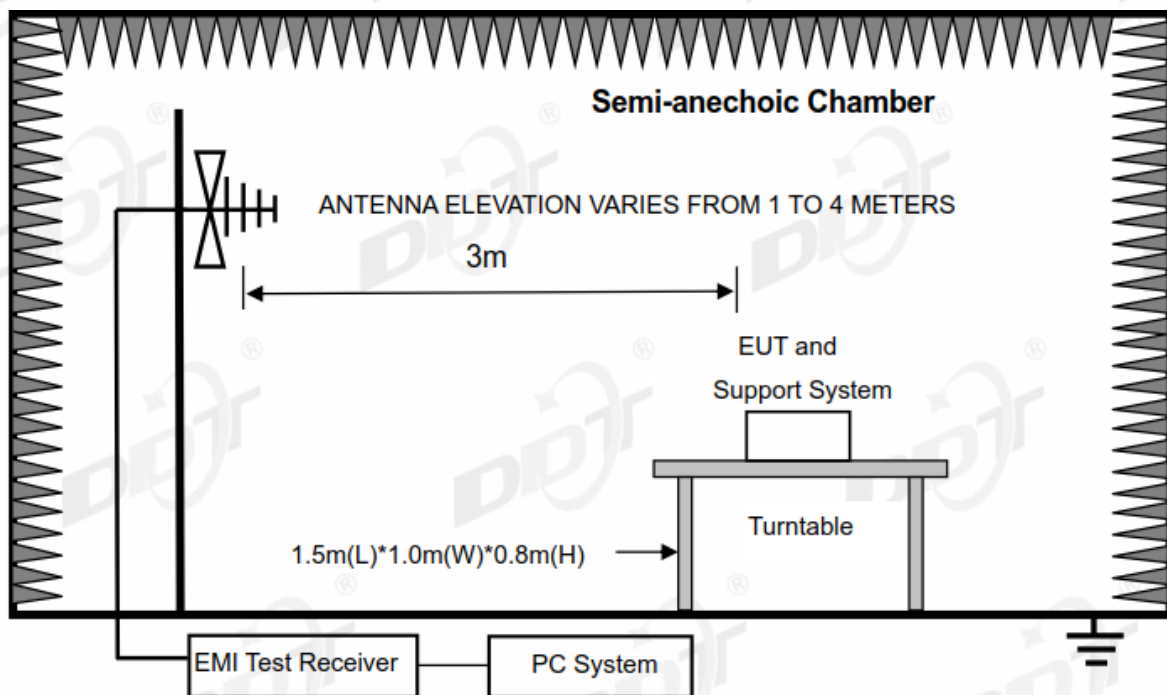
8. Emissions in restricted frequency bands

8.1. Block diagram of test setup

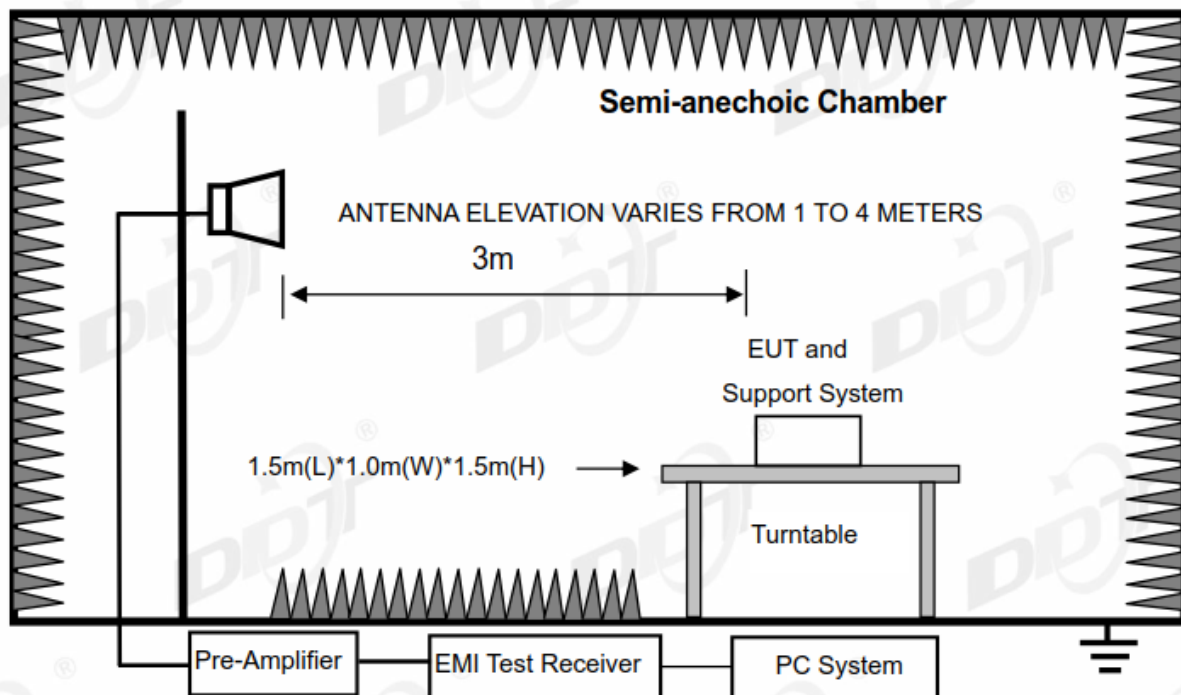
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

8.2. Limit

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3\text{m}}(\text{dB}\mu\text{V}/\text{m}) = \text{Limit}_{30\text{m}}(\text{dB}\mu\text{V}/\text{m}) + 40\text{Log}(30\text{m}/3\text{m})$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency

bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits..

8.3. Test Procedure

- (1) EUT height should be 0 m for below 1 GHz at a semi - anechoic chamber while EUT height should be 0 m for above 1GHz at full chamber or semi - anechoic chamber ground with absorbers
- (2) Setup EUT and assistant system according clause 2.3 and 8.2
- (3) Test antenna was located 3m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test distance
9 kHz-30 MHz	Active Loop antenna	3 m
30 MHz-1 GHz	Trilog Broadband Antenna	3 m
1 GHz-18 GHz	Double Ridged Horn Antenna(1GHz-18GHz)	3 m
18 GHz-40 GHz	Horn Antenna(18GHz-40GHz)	1 m

According ANSI C63.10:2013 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also be positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. for measurement above 30 MHz, the Trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(4) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 40 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 40 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so below final test was performed with frequency range from 30 MHz to 18 GHz.

- (5) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.
- (6) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz, for emissions from 9 kHz-90kHz, 110kHz-490kHz and above 1GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.
- (7) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW

Frequency band	RBW
9 kHz-150 kHz	200 Hz
150 kHz-30 MHz	9 kHz
30 MHz-1 GHz	120 kHz

- (8) For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3MHz for Peak measure, the RBW is set at 1 MHz, VBW is set at 10 Hz for AV value.

8.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits and RSS-Gen section 8.9 limits.

Note1: According exploratory test no any obvious emission was detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 802.11ax20 mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit. And the BT+SRD+5GWIFI is the worst simultaneous case and reported.

Radiated Emission test (below 1GHz)

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC BELOW 1G.EM6

Test Date : 2022-07-27

Tested By : James Gan

EUT : Multi-Channel Soundbar with wireless subwoofer

Model Number : BAR 1300X

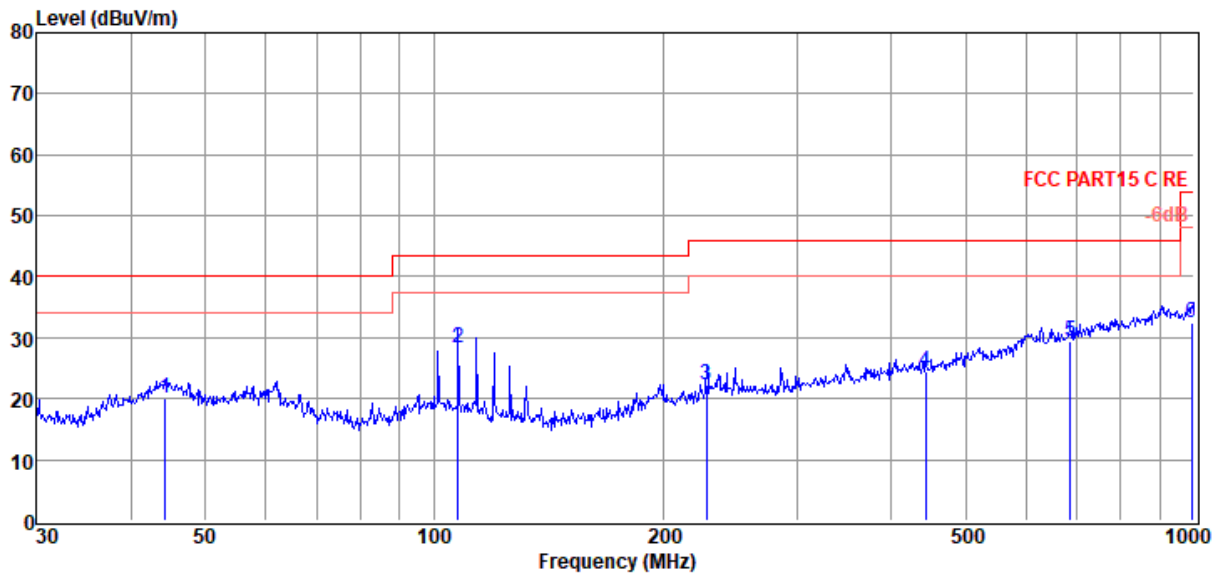
Power Supply : AC 120V/60Hz

Test Mode : Tx Mode

Condition : Temp:22.8°C,Humi:52.6%,Press:100.3kPa Antenna/Distance : 2021 VLUB 9163 #3/3m/HORIZONTAL

Memo : 5G WIFI

Data:
9



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	44.28	1.34	15.03	3.64	20.01	40.00	-19.99	QP	HORIZONTAL
2	107.51	13.55	10.65	4.03	28.23	43.50	-15.27	QP	HORIZONTAL
3	228.49	5.66	11.94	4.57	22.17	46.00	-23.83	QP	HORIZONTAL
4	443.29	3.27	15.97	5.30	24.54	46.00	-21.46	QP	HORIZONTAL
5	687.15	4.15	19.40	5.96	29.51	46.00	-16.49	QP	HORIZONTAL
6	993.01	3.12	22.40	6.80	32.32	54.00	-21.68	QP	HORIZONTAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC BELOW 1G.EM6

Test Date : 2022-07-27

Tested By : James Gan

EUT : Multi-Channel Soundbar with wireless subwoofer

Model Number : BAR 1300X

Power Supply : AC 120V/60Hz

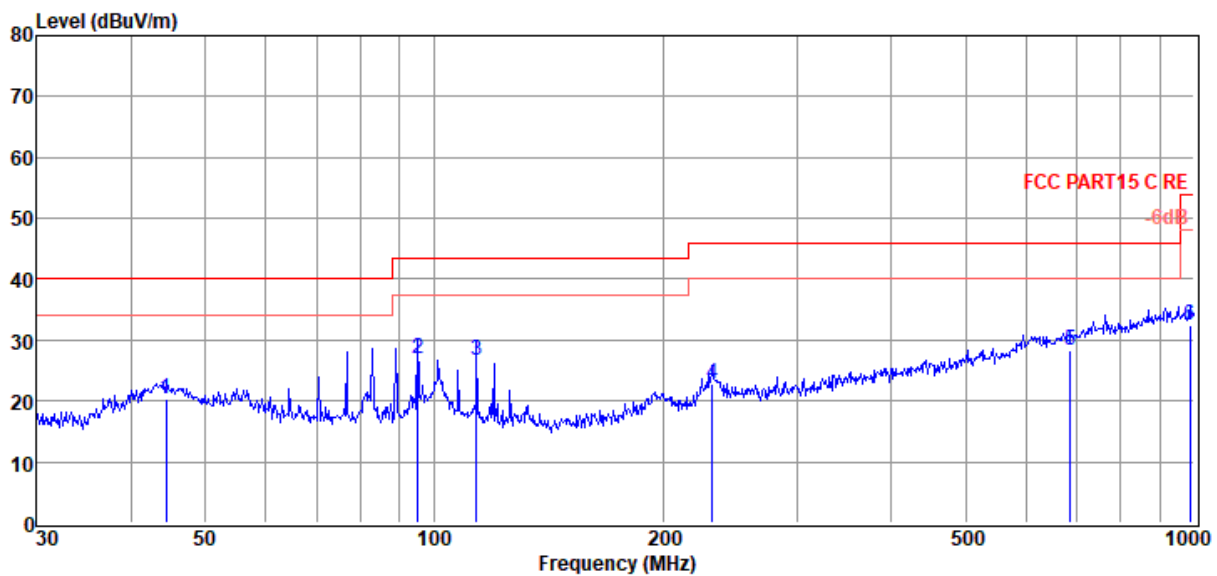
Test Mode : Tx Mode

Condition : Temp:22.8°C,Humi:52.6%,Press:100.3kPa

Antenna/Distance : 2021 VLUB 9163 #3/3m/VERTICAL

Memo : 5G WIFI

Data:
10



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	44.43	1.78	15.04	3.64	20.46	40.00	-19.54	QP	VERTICAL
2	95.09	11.77	11.11	3.96	26.84	43.50	-16.66	QP	VERTICAL
3	113.71	12.81	9.86	4.07	26.74	43.50	-16.76	QP	VERTICAL
4	232.53	6.10	12.15	4.59	22.84	46.00	-23.16	QP	VERTICAL
5	687.15	3.04	19.40	5.96	28.40	46.00	-17.60	QP	VERTICAL
6	986.07	3.31	22.40	6.77	32.48	54.00	-21.52	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

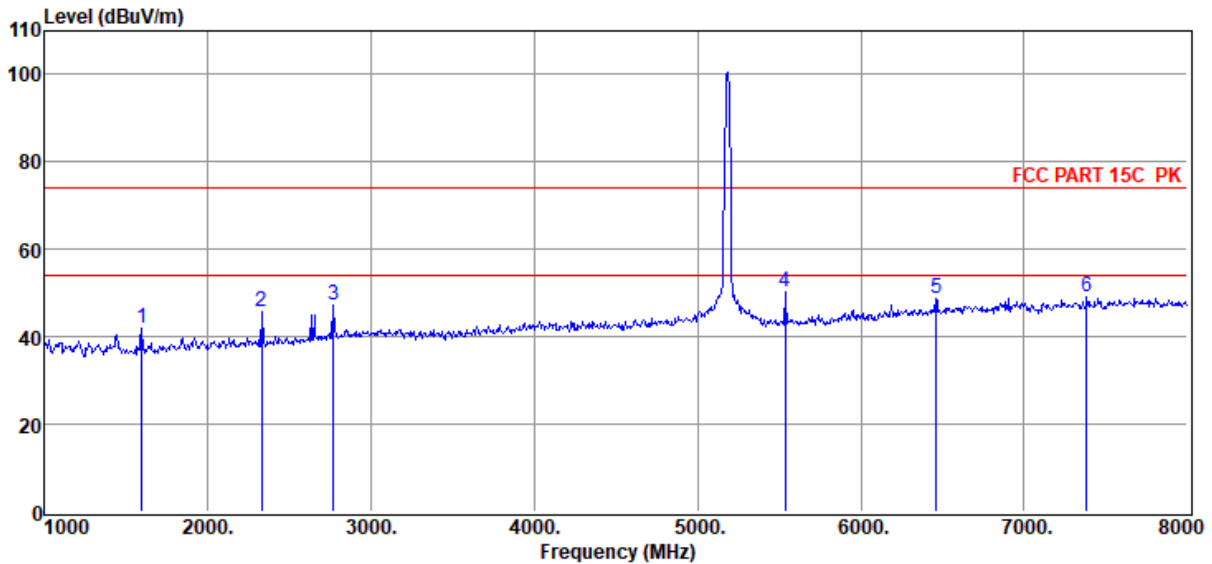
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Radiated Emission test (above 1GHz) TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# Test Date : 2022-07-08 EUT : Multi-Channel Soundbar with wireless subwoofer Power Supply : AC 120V/60Hz Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa Memo : 11AX20 5180 SU	D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6 Tested By : James Gan Model Number : BAR 1300X Test Mode : Tx Mode Antenna/Distance : 2021 BBHA 9120D 3#/3m/HORIZONTAL
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Data: 105



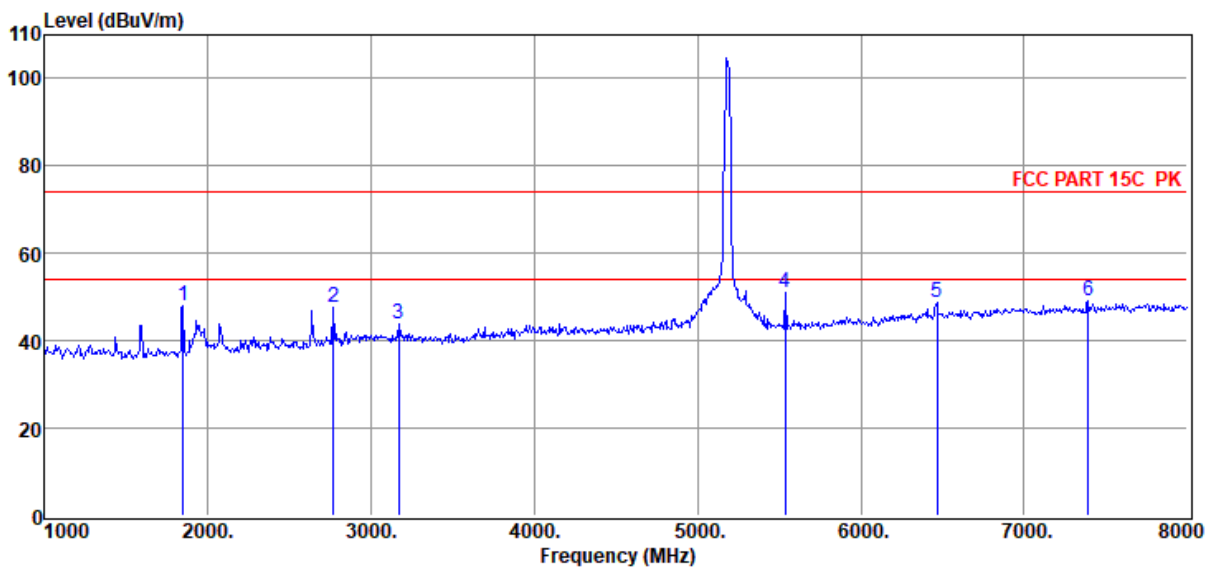
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1595.00	53.08	25.65	38.79	1.42	0.61	41.97	74.00	-32.03	Peak	HORIZONTAL
2	2330.00	55.47	27.29	39.57	1.69	0.72	45.60	74.00	-28.40	Peak	HORIZONTAL
3	2771.00	55.83	28.63	39.79	1.81	0.76	47.24	74.00	-26.76	Peak	HORIZONTAL
4	5536.00	54.29	32.89	40.45	2.60	1.03	50.36	74.00	-23.64	Peak	HORIZONTAL
5	6460.00	49.32	35.10	40.13	3.25	1.04	48.58	74.00	-25.42	Peak	HORIZONTAL
6	7384.00	48.26	36.31	39.74	3.11	1.03	48.97	74.00	-25.03	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6
Test Date : 2022-07-08 **Tested By** : James Gan
EUT : Multi-Channel Soundbar with wireless subwoofer **Model Number** : BAR 1300X
Power Supply : AC 120V/60Hz **Test Mode** : Tx Mode
Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL
Memo : 11AX20 5180 SU

Data: 106



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	1847.00	58.53	26.30	39.17	1.53	0.65	47.84	74.00	-26.16	Peak	VERTICAL
2	2771.00	56.05	28.63	39.79	1.81	0.76	47.46	74.00	-26.54	Peak	VERTICAL
3	3170.00	51.67	29.47	39.95	1.81	0.80	43.80	74.00	-30.20	Peak	VERTICAL
4	5536.00	55.06	32.89	40.45	2.60	1.03	51.13	74.00	-22.87	Peak	VERTICAL
5	6467.00	49.47	35.12	40.13	3.25	1.04	48.75	74.00	-25.25	Peak	VERTICAL
6	7391.00	48.50	36.31	39.74	3.11	1.03	49.21	74.00	-24.79	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

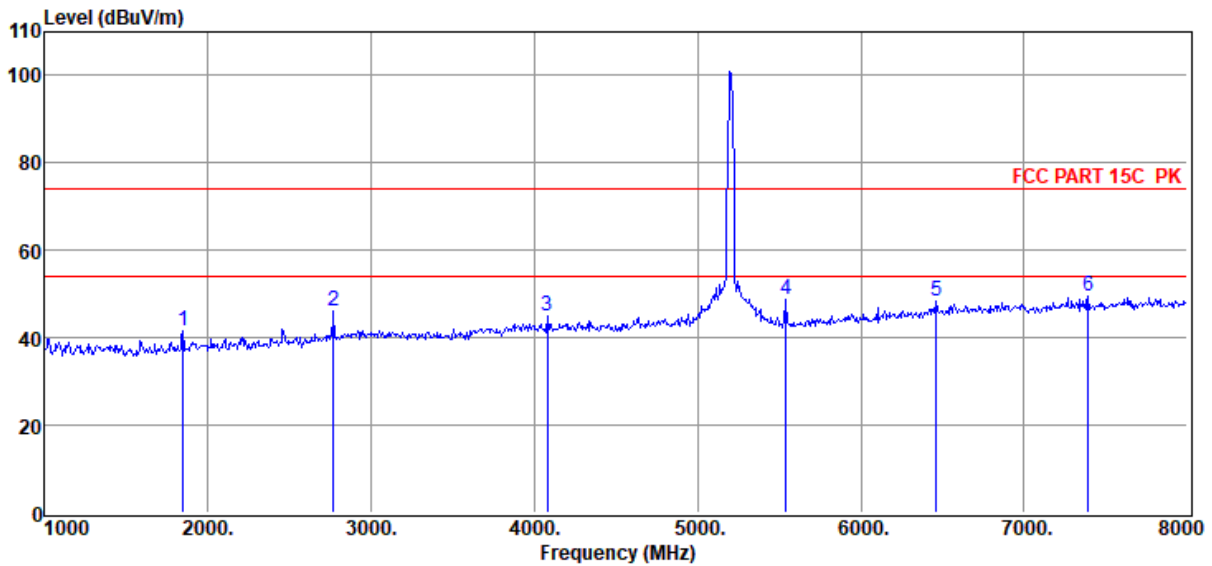
TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#
Test Date : 2022-07-08
EUT : Multi-Channel Soundbar with wireless subwoofer
Power Supply : AC 120V/60Hz
Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa
Memo : 11AX20 5200 SU

Tested By : James Gan
Model Number : BAR 1300X
Test Mode : Tx Mode
Antenna/Distance : 2021 BBHA 9120D 3#/3m/HORIZONTAL

D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6

Data: 107



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	1847.00	52.37	26.30	39.17	1.53	0.65	41.68	74.00	-32.32	Peak	HORIZONTAL
2	2771.00	54.53	28.63	39.79	1.81	0.76	45.94	74.00	-28.06	Peak	HORIZONTAL
3	4080.00	51.12	31.16	40.22	2.15	0.86	45.07	74.00	-28.93	Peak	HORIZONTAL
4	5543.00	52.60	32.90	40.45	2.61	1.03	48.69	74.00	-25.31	Peak	HORIZONTAL
5	6460.00	49.26	35.10	40.13	3.25	1.04	48.52	74.00	-25.48	Peak	HORIZONTAL
6	7391.00	48.69	36.31	39.74	3.11	1.03	49.40	74.00	-24.60	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6

Test Date : 2022-07-08

Tested By : James Gan

EUT : Multi-Channel Soundbar with wireless subwoofer

Model Number : BAR 1300X

Power Supply : AC 120V/60Hz

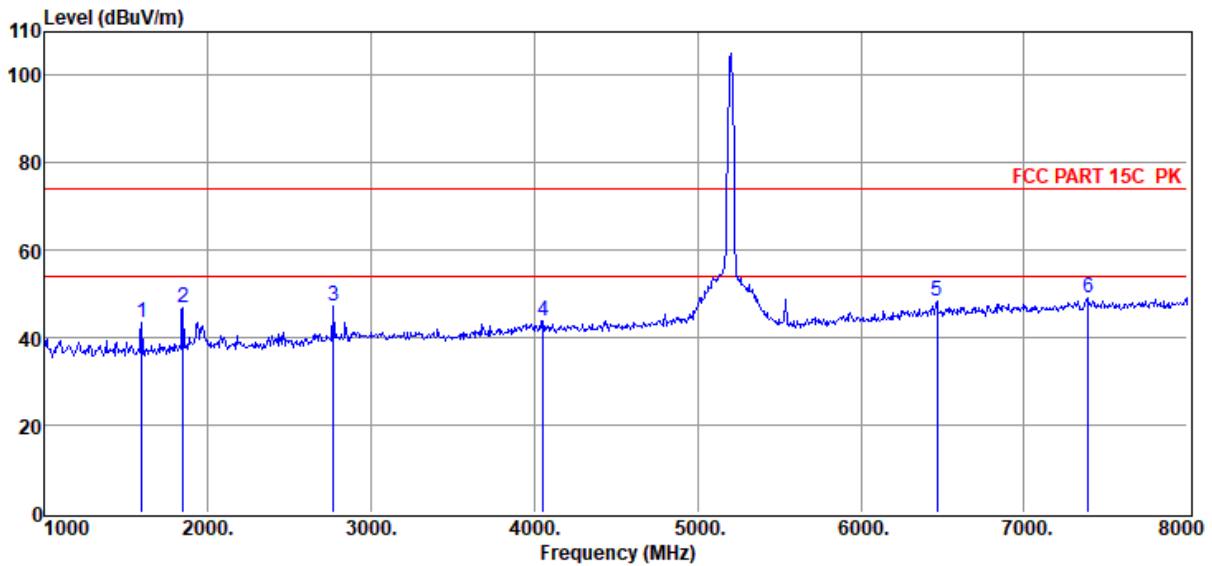
Test Mode : Tx Mode

Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa

Antenna/Distance : 2021 BBHA 9120D 3#/3m/VERTICAL

Memo : 11AX20 5200 SU

Data: 108



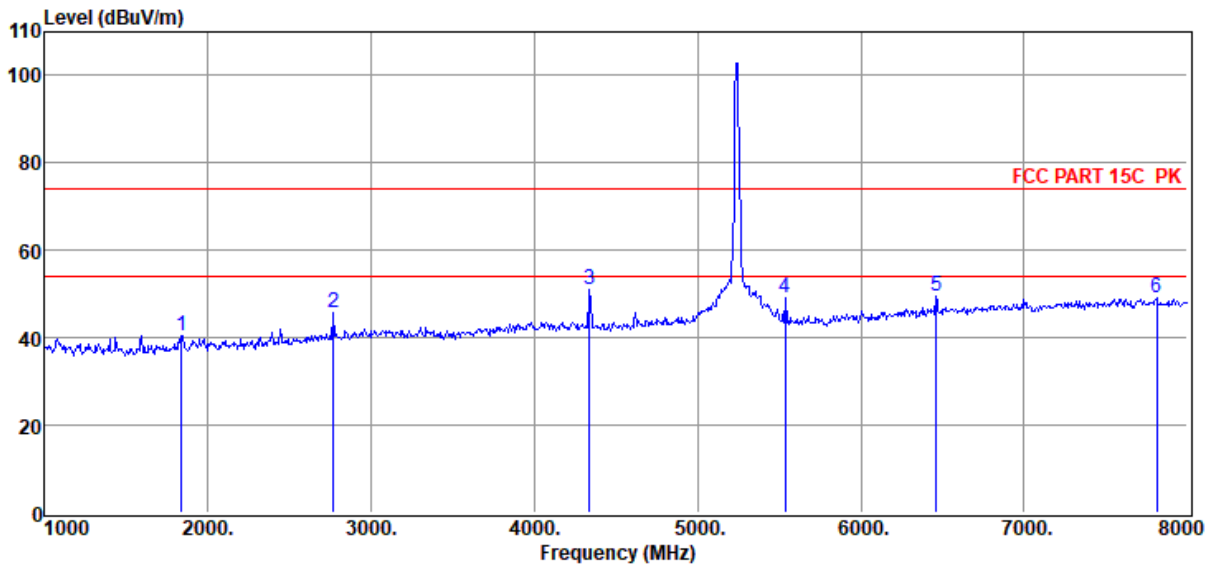
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1595.00	54.58	25.65	38.79	1.42	0.61	43.47	74.00	-30.53	Peak	VERTICAL
2	1847.00	57.55	26.30	39.17	1.53	0.65	46.86	74.00	-27.14	Peak	VERTICAL
3	2771.00	55.86	28.63	39.79	1.81	0.76	47.27	74.00	-26.73	Peak	VERTICAL
4	4052.00	50.07	31.14	40.21	2.14	0.86	44.00	74.00	-30.00	Peak	VERTICAL
5	6467.00	49.15	35.12	40.13	3.25	1.04	48.43	74.00	-25.57	Peak	VERTICAL
6	7391.00	48.28	36.31	39.74	3.11	1.03	48.99	74.00	-25.01	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6
Test Date : 2022-07-08 **Tested By** : James Gan
EUT : Multi-Channel Soundbar with wireless subwoofer **Model Number** : BAR 1300X
Power Supply : AC 120V/60Hz **Test Mode** : Tx Mode
Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo : 11AX20 5240 SU

Data: 109



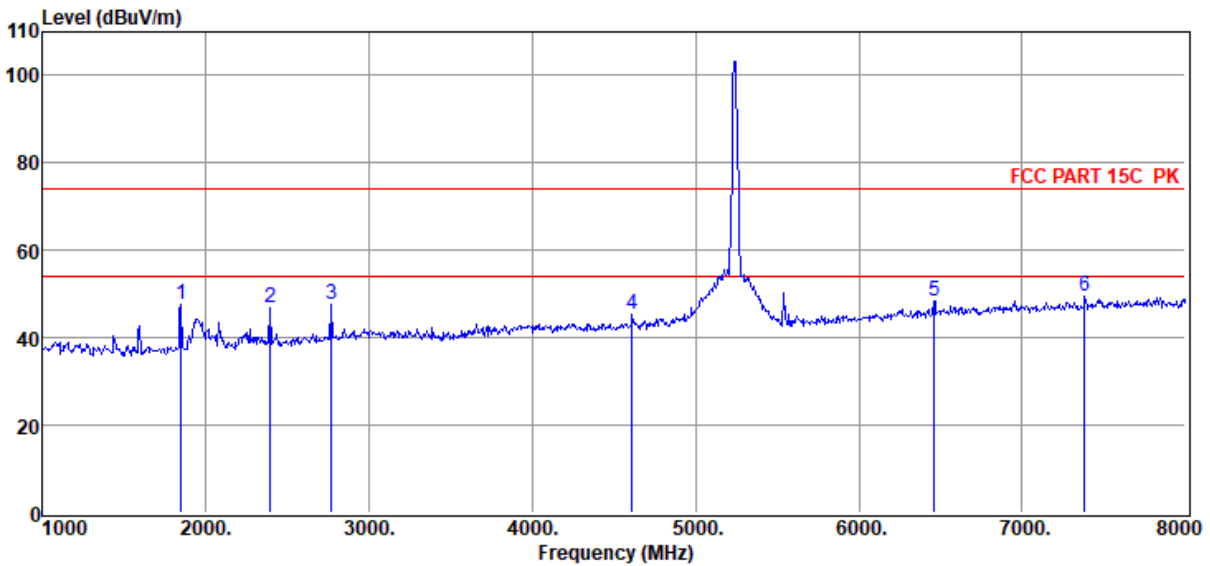
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1840.00	51.20	26.28	39.16	1.53	0.65	40.50	74.00	-33.50	Peak	HORIZONTAL
2	2771.00	54.36	28.63	39.79	1.81	0.76	45.77	74.00	-28.23	Peak	HORIZONTAL
3	4339.00	56.73	31.37	40.27	2.28	0.88	50.99	74.00	-23.01	Peak	HORIZONTAL
4	5536.00	53.13	32.89	40.45	2.60	1.03	49.20	74.00	-24.80	Peak	HORIZONTAL
5	6460.00	50.20	35.10	40.13	3.25	1.04	49.46	74.00	-24.54	Peak	HORIZONTAL
6	7811.00	47.86	36.77	39.78	3.17	1.13	49.15	74.00	-24.85	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6
Test Date : 2022-07-12 **Tested By** : James Gan
EUT : Multi-Channel Soundbar with wireless subwoofer **Model Number** : BAR 1300X
Power Supply : AC 120V/60Hz **Test Mode** : Tx Mode
Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL
Memo : 11AX20 5240 SU

Data: 110



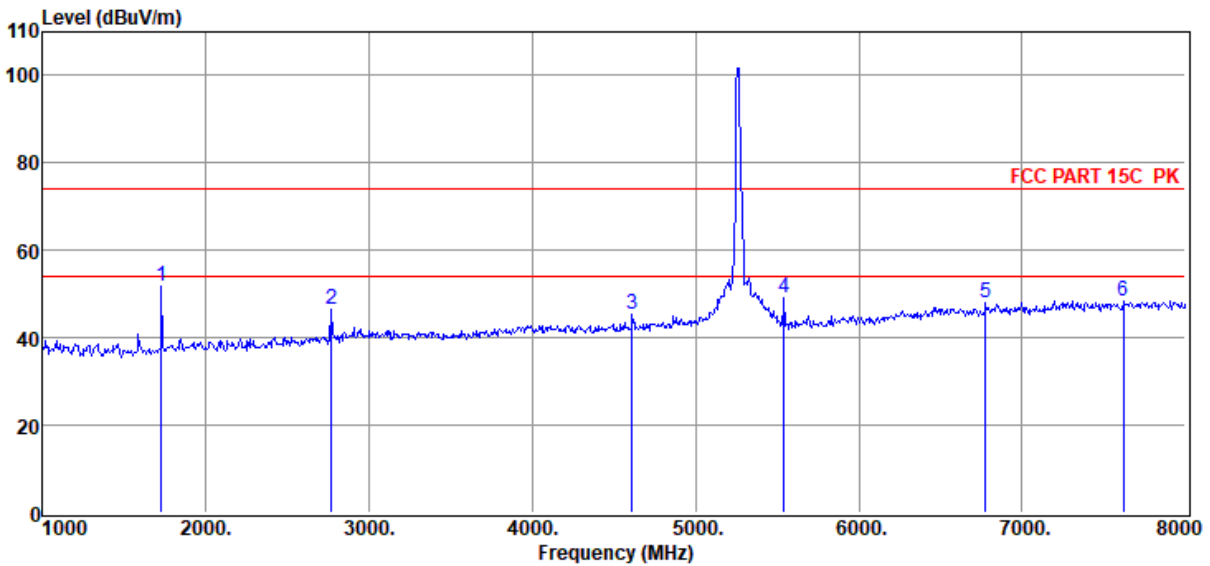
Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	1847.00	58.47	26.30	39.17	1.53	0.65	47.78	74.00	-26.22	Peak	VERTICAL
2	2393.00	56.63	27.41	39.60	1.71	0.72	46.87	74.00	-27.13	Peak	VERTICAL
3	2771.00	56.06	28.63	39.79	1.81	0.76	47.47	74.00	-26.53	Peak	VERTICAL
4	4612.00	50.67	31.86	40.32	2.40	0.89	45.50	74.00	-28.50	Peak	VERTICAL
5	6460.00	49.23	35.10	40.13	3.25	1.04	48.49	74.00	-25.51	Peak	VERTICAL
6	7384.00	48.72	36.31	39.74	3.11	1.03	49.43	74.00	-24.57	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6
Test Date : 2022-07-12 **Tested By** : James Gan
EUT : Multi-Channel Soundbar with wireless subwoofer **Model Number** : BAR 1300X
Power Supply : AC 120V/60Hz **Test Mode** : Tx Mode
Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo : 11AX20 5260 SU

Data: 111



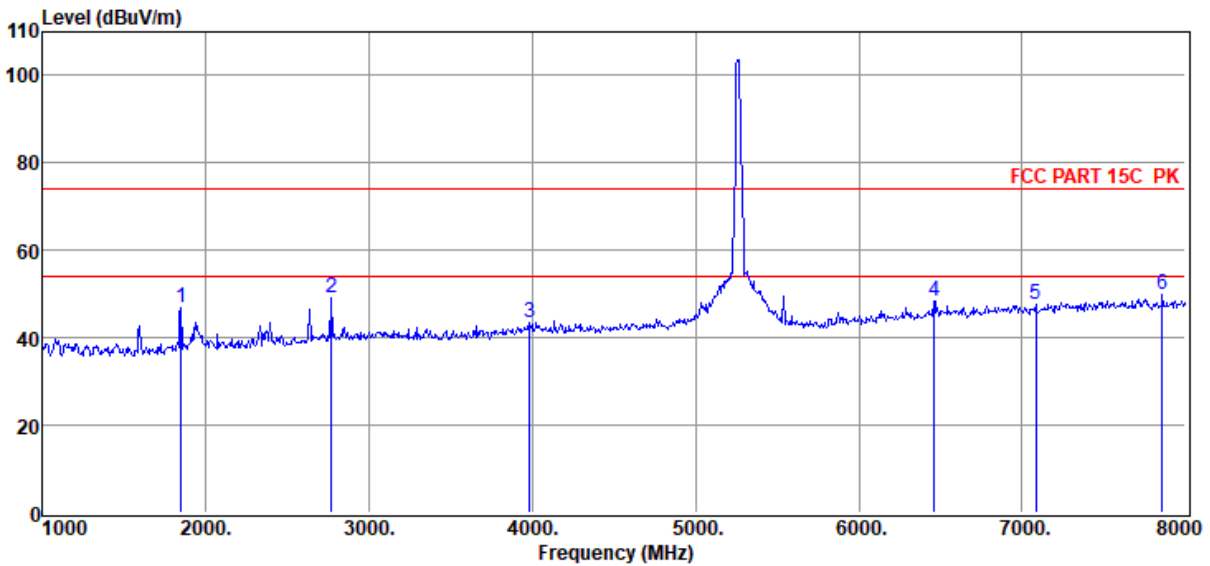
Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	1728.00	62.66	25.99	38.99	1.48	0.63	51.77	74.00	-22.23	Peak	HORIZONTAL
2	2771.00	55.17	28.63	39.79	1.81	0.76	46.58	74.00	-27.42	Peak	HORIZONTAL
3	4612.00	50.52	31.86	40.32	2.40	0.89	45.35	74.00	-28.65	Peak	HORIZONTAL
4	5543.00	52.88	32.90	40.45	2.61	1.03	48.97	74.00	-25.03	Peak	HORIZONTAL
5	6775.00	48.09	35.64	39.88	3.13	0.98	47.96	74.00	-26.04	Peak	HORIZONTAL
6	7622.00	47.51	36.55	39.76	3.15	1.09	48.54	74.00	-25.46	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6
Test Date : 2022-07-12 **Tested By** : James Gan
EUT : Multi-Channel Soundbar with wireless subwoofer **Model Number** : BAR 1300X
Power Supply : AC 120V/60Hz **Test Mode** : Tx Mode
Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL
Memo : 11AX20 5260 SU

Data: 112



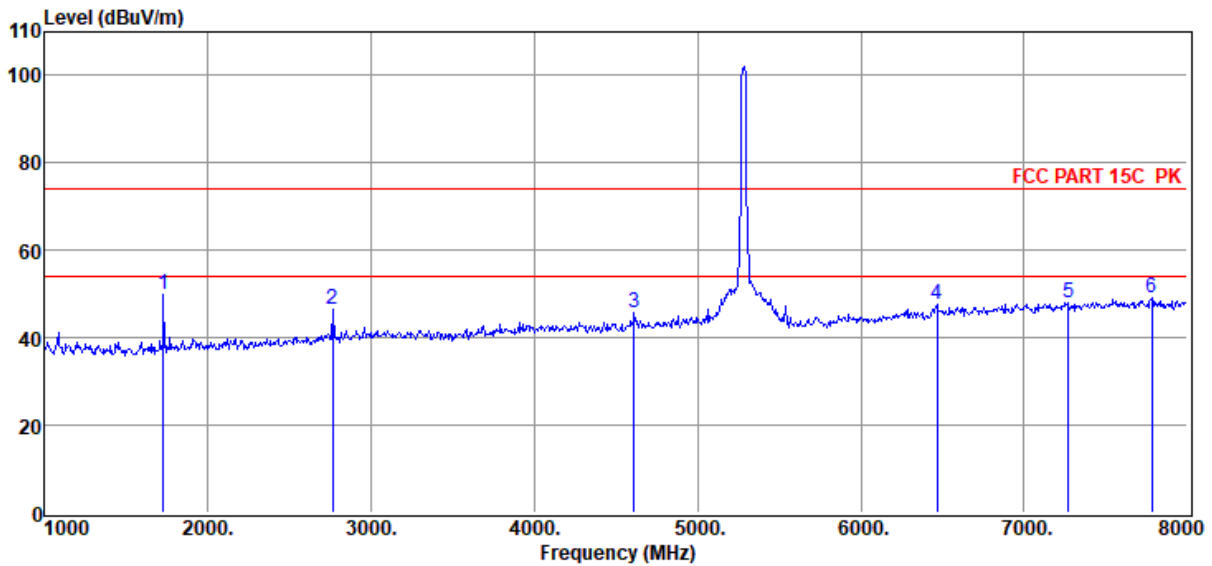
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1847.00	57.57	26.30	39.17	1.53	0.65	46.88	74.00	-27.12	Peak	VERTICAL
2	2771.00	57.69	28.63	39.79	1.81	0.76	49.10	74.00	-24.90	Peak	VERTICAL
3	3982.00	49.79	31.04	40.19	2.09	0.86	43.59	74.00	-30.41	Peak	VERTICAL
4	6460.00	49.17	35.10	40.13	3.25	1.04	48.43	74.00	-25.57	Peak	VERTICAL
5	7083.00	47.26	36.07	39.71	3.04	0.95	47.61	74.00	-26.39	Peak	VERTICAL
6	7860.00	48.54	36.83	39.79	3.18	1.14	49.90	74.00	-24.10	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6
Test Date : 2022-07-12 **Tested By** : James Gan
EUT : Multi-Channel Soundbar with wireless subwoofer **Model Number** : BAR 1300X
Power Supply : AC 120V/60Hz **Test Mode** : Tx Mode
Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo : 11AX20 5280 SU

Data: 113



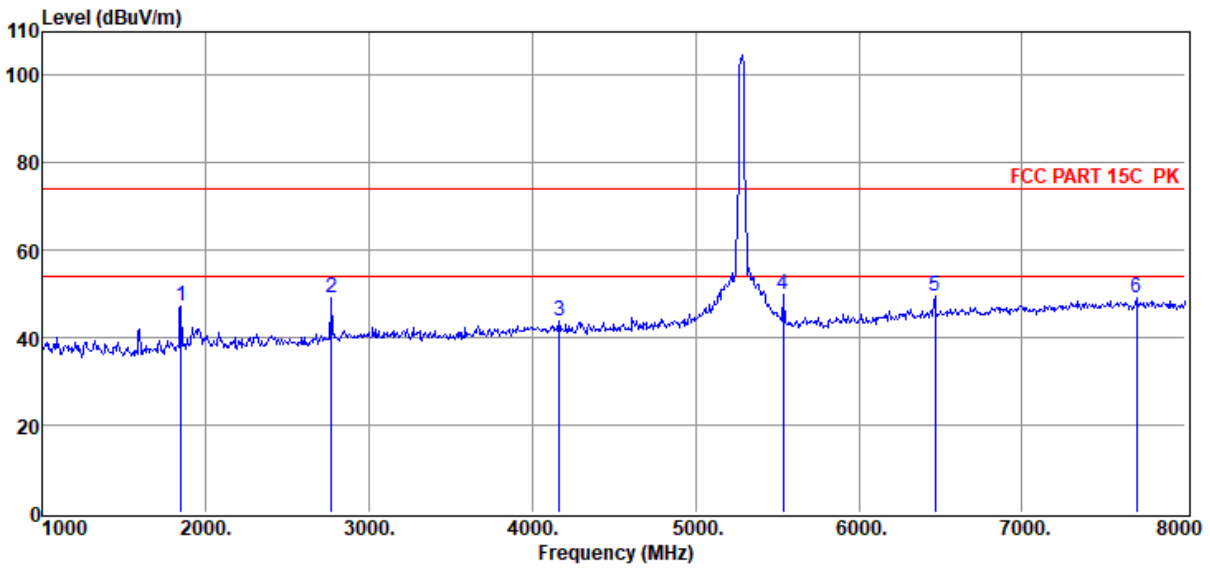
Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	1728.00	60.74	25.99	38.99	1.48	0.63	49.85	74.00	-24.15	Peak	HORIZONTAL
2	2764.00	55.04	28.60	39.78	1.81	0.76	46.43	74.00	-27.57	Peak	HORIZONTAL
3	4612.00	51.07	31.86	40.32	2.40	0.89	45.90	74.00	-28.10	Peak	HORIZONTAL
4	6467.00	48.45	35.12	40.13	3.25	1.04	47.73	74.00	-26.27	Peak	HORIZONTAL
5	7272.00	47.46	36.22	39.73	3.09	1.00	48.04	74.00	-25.96	Peak	HORIZONTAL
6	7783.00	47.86	36.74	39.78	3.17	1.13	49.12	74.00	-24.88	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6
Test Date : 2022-07-12 **Tested By** : James Gan
EUT : Multi-Channel Soundbar with wireless subwoofer **Model Number** : BAR 1300X
Power Supply : AC 120V/60Hz **Test Mode** : Tx Mode
Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL
Memo : 11AX20 5280 SU

Data: 114



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	1847.00	58.01	26.30	39.17	1.53	0.65	47.32	74.00	-26.68	Peak	VERTICAL
2	2771.00	57.64	28.63	39.79	1.81	0.76	49.05	74.00	-24.95	Peak	VERTICAL
3	4164.00	49.65	31.23	40.23	2.19	0.87	43.71	74.00	-30.29	Peak	VERTICAL
4	5536.00	53.95	32.89	40.45	2.60	1.03	50.02	74.00	-23.98	Peak	VERTICAL
5	6467.00	50.13	35.12	40.13	3.25	1.04	49.41	74.00	-24.59	Peak	VERTICAL
6	7699.00	47.86	36.64	39.77	3.16	1.10	48.99	74.00	-25.01	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

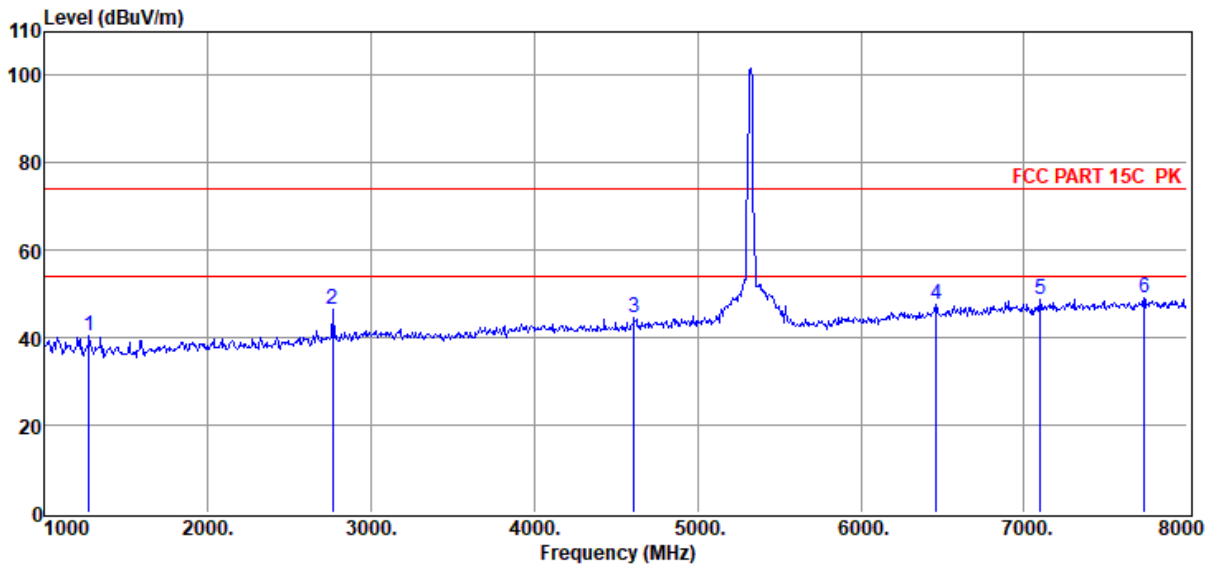
TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#
Test Date : 2022-07-12
EUT : Multi-Channel Soundbar with wireless subwoofer
Power Supply : AC 120V/60Hz
Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa
Memo : 11AX20 5320 SU

Tested By : James Gan
Model Number : BAR 1300X
Test Mode : Tx Mode
Antenna/Distance : 2021 BBHA 9120D 3#/3m/HORIZONTAL

D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6

Data: 115



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1273.00	51.33	25.45	38.31	1.25	0.55	40.27	74.00	-33.73	Peak	HORIZONTAL
2	2764.00	55.06	28.60	39.78	1.81	0.76	46.45	74.00	-27.55	Peak	HORIZONTAL
3	4612.00	49.77	31.86	40.32	2.40	0.89	44.60	74.00	-29.40	Peak	HORIZONTAL
4	6460.00	48.40	35.10	40.13	3.25	1.04	47.66	74.00	-26.34	Peak	HORIZONTAL
5	7097.00	48.41	36.08	39.71	3.04	0.95	48.77	74.00	-25.23	Peak	HORIZONTAL
6	7734.00	48.05	36.68	39.77	3.16	1.11	49.23	74.00	-24.77	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6

Test Date : 2022-07-12

Tested By : James Gan

EUT : Multi-Channel Soundbar with wireless subwoofer

Model Number : BAR 1300X

Power Supply : AC 120V/60Hz

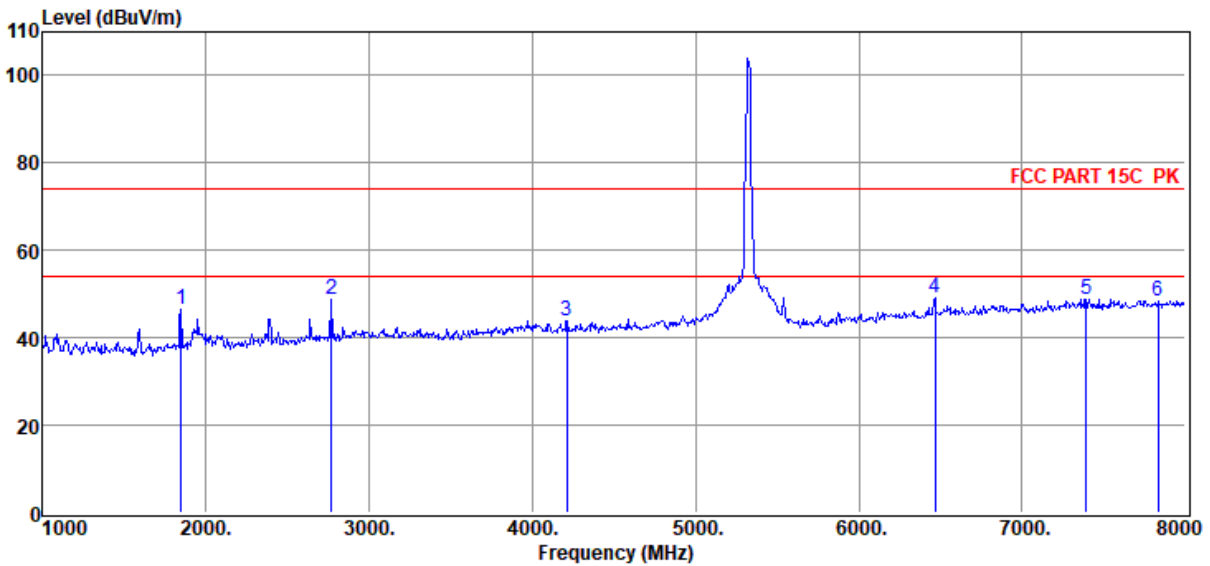
Test Mode : Tx Mode

Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa

Antenna/Distance : 2021 BBHA 9120D 3#/3m/VERTICAL

Memo : 11AX20 5320 SU

Data: 116



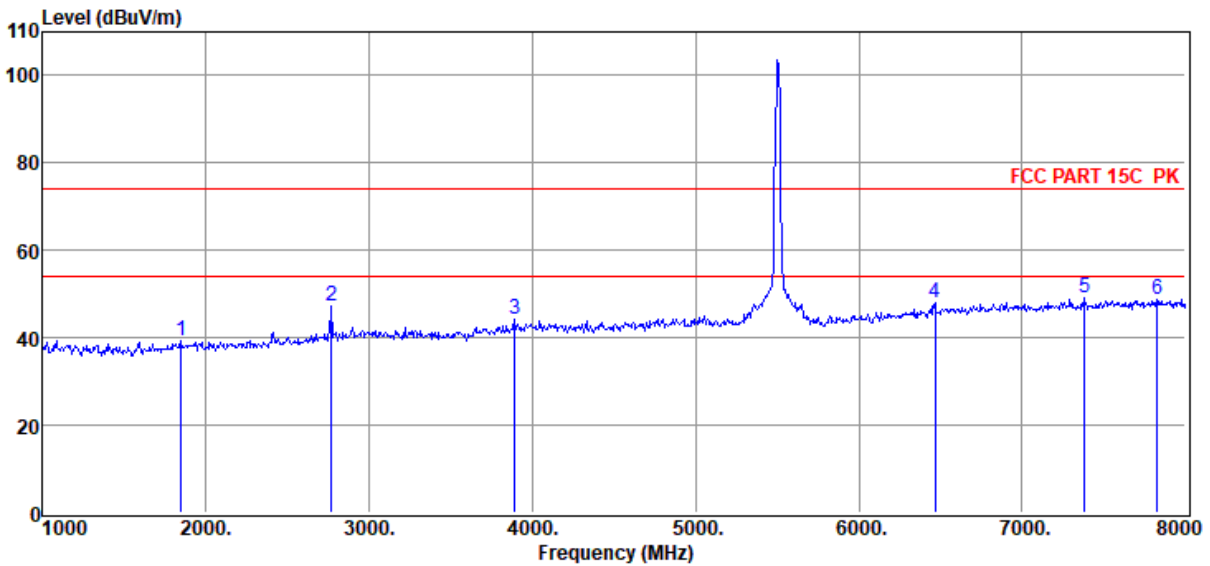
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1847.00	57.22	26.30	39.17	1.53	0.65	46.53	74.00	-27.47	Peak	VERTICAL
2	2771.00	57.23	28.63	39.79	1.81	0.76	48.64	74.00	-25.36	Peak	VERTICAL
3	4213.00	49.65	31.27	40.24	2.22	0.87	43.77	74.00	-30.23	Peak	VERTICAL
4	6467.00	49.84	35.12	40.13	3.25	1.04	49.12	74.00	-24.88	Peak	VERTICAL
5	7391.00	48.17	36.31	39.74	3.11	1.03	48.88	74.00	-25.12	Peak	VERTICAL
6	7832.00	47.22	36.80	39.78	3.17	1.14	48.55	74.00	-25.45	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22051109-2E BAR 1300X\FCC ABOVE 1G 5G WIFI.EM6
Test Date : 2022-07-15 **Tested By** : James Gan
EUT : Multi-Channel Soundbar with wireless subwoofer **Model Number** : BAR 1300X
Power Supply : AC 120V/60Hz **Test Mode** : Tx Mode
Condition : Temp:22.2°C,Humi:52.4%,Press:100.3kPa **Antenna/Distance** : 2021 BBHA 9120D
3#/3m/HORIZONTAL
Memo : 11AX20 5500 SU

Data: 117



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	1847.00	49.97	26.30	39.17	1.53	0.65	39.28	74.00	-34.72	Peak	HORIZONTAL
2	2771.00	55.99	28.63	39.79	1.81	0.76	47.40	74.00	-26.60	Peak	HORIZONTAL
3	3891.00	50.61	30.73	40.17	2.02	0.85	44.04	74.00	-29.96	Peak	HORIZONTAL
4	6467.00	48.76	35.12	40.13	3.25	1.04	48.04	74.00	-25.96	Peak	HORIZONTAL
5	7384.00	48.34	36.31	39.74	3.11	1.03	49.05	74.00	-24.95	Peak	HORIZONTAL
6	7825.00	47.55	36.79	39.78	3.17	1.14	48.87	74.00	-25.13	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.