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Rev.: 01
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Appendix B.15

LTE Band 38



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B38_5MHz_EIRP

1.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2572.5	1	0	21.83	1.70	23.53	<=33.01	Pass	
			13	21.96	1.70	23.66	<=33.01	Pass	
			24	21.95	1.70	23.65	<=33.01	Pass	
		12	0	21.88	1.70	23.58	<=33.01	Pass	
			6	21.91	1.70	23.61	<=33.01	Pass	
			13	21.95	1.70	23.65	<=33.01	Pass	
		25	0	21.97	1.70	23.67	<=33.01	Pass	
			1	0	21.76	1.70	23.46	<=33.01	Pass
				13	21.73	1.70	23.43	<=33.01	Pass
	24	21.73		1.70	23.43	<=33.01	Pass		
	2595	12	0	21.70	1.70	23.40	<=33.01	Pass	
			6	21.63	1.70	23.33	<=33.01	Pass	
			13	21.66	1.70	23.36	<=33.01	Pass	
		25	0	21.72	1.70	23.42	<=33.01	Pass	
			1	0	21.49	1.70	23.19	<=33.01	Pass
				13	21.56	1.70	23.26	<=33.01	Pass
	24	21.71		1.70	23.41	<=33.01	Pass		
	2617.5	12	0	21.52	1.70	23.22	<=33.01	Pass	
			6	21.50	1.70	23.20	<=33.01	Pass	
			13	21.53	1.70	23.23	<=33.01	Pass	
		25	0	21.55	1.70	23.25	<=33.01	Pass	
			1	0	21.99	1.70	23.69	<=33.01	Pass
				13	22.05	1.70	23.75	<=33.01	Pass
	24	22.11		1.70	23.81	<=33.01	Pass		
16QAM	2572.5	12	0	21.85	1.70	23.55	<=33.01	Pass	
			6	21.90	1.70	23.60	<=33.01	Pass	
			13	21.95	1.70	23.65	<=33.01	Pass	
		25	0	21.91	1.70	23.61	<=33.01	Pass	
			1	0	21.76	1.70	23.46	<=33.01	Pass
	13	21.96		1.70	23.66	<=33.01	Pass		
	24	22.16		1.70	23.86	<=33.01	Pass		
	2595	12	0	21.69	1.70	23.39	<=33.01	Pass	
			6	21.69	1.70	23.39	<=33.01	Pass	
25		13	21.68	1.70	23.38	<=33.01	Pass		
		0	21.68	1.70	23.38	<=33.01	Pass		
2617.5	1	0	21.31	1.70	23.01	<=33.01	Pass		
		13	21.33	1.70	23.03	<=33.01	Pass		
		24	21.73	1.70	23.43	<=33.01	Pass		
	12	0	21.55	1.70	23.25	<=33.01	Pass		



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			6	21.41	1.70	23.11	<=33.01	Pass		
			13	21.62	1.70	23.32	<=33.01	Pass		
		25	0	21.62	1.70	23.32	<=33.01	Pass		
64QAM	2572.5	1	0	23.35	1.70	25.05	<=33.01	Pass		
			13	22.80	1.70	24.50	<=33.01	Pass		
			24	23.02	1.70	24.72	<=33.01	Pass		
		12	0	21.96	1.70	23.66	<=33.01	Pass		
			6	22.07	1.70	23.77	<=33.01	Pass		
			13	22.09	1.70	23.79	<=33.01	Pass		
		25	0	22.05	1.70	23.75	<=33.01	Pass		
		2595	1	0	22.91	1.70	24.61	<=33.01	Pass	
				13	22.96	1.70	24.66	<=33.01	Pass	
	24			22.95	1.70	24.65	<=33.01	Pass		
	12		0	22.96	1.70	24.66	<=33.01	Pass		
			6	22.77	1.70	24.47	<=33.01	Pass		
			13	23.18	1.70	24.88	<=33.01	Pass		
	25		0	22.90	1.70	24.60	<=33.01	Pass		
	2617.5		1	0	23.09	1.70	24.79	<=33.01	Pass	
				13	23.09	1.70	24.79	<=33.01	Pass	
		24		23.09	1.70	24.79	<=33.01	Pass		
		12	0	23.10	1.70	24.80	<=33.01	Pass		
			6	23.10	1.70	24.80	<=33.01	Pass		
			13	23.10	1.70	24.80	<=33.01	Pass		
		25	0	23.10	1.70	24.80	<=33.01	Pass		
		256QAM	2572.5	1	0	20.20	1.70	21.90	<=33.01	Pass
					13	20.22	1.70	21.92	<=33.01	Pass
	24				20.15	1.70	21.85	<=33.01	Pass	
12	0			20.09	1.70	21.79	<=33.01	Pass		
	6			20.00	1.70	21.70	<=33.01	Pass		
	13			20.08	1.70	21.78	<=33.01	Pass		
25	0			20.02	1.70	21.72	<=33.01	Pass		
2595	1			0	19.83	1.70	21.53	<=33.01	Pass	
				13	19.65	1.70	21.35	<=33.01	Pass	
			24	19.68	1.70	21.38	<=33.01	Pass		
	12		0	19.81	1.70	21.51	<=33.01	Pass		
			6	19.87	1.70	21.57	<=33.01	Pass		
			13	19.86	1.70	21.56	<=33.01	Pass		
	25		0	19.92	1.70	21.62	<=33.01	Pass		
	2617.5		1	0	20.18	1.70	21.88	<=33.01	Pass	
				13	20.20	1.70	21.90	<=33.01	Pass	
24				20.23	1.70	21.93	<=33.01	Pass		
12			0	20.05	1.70	21.75	<=33.01	Pass		
			6	20.11	1.70	21.81	<=33.01	Pass		
			13	20.05	1.70	21.75	<=33.01	Pass		
25			0	20.10	1.70	21.80	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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1.2 B38_10MHz_EIRP

1.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTN											
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict			
		Size	Offset			Result	Limit				
QPSK	2575	1	0	22.00	1.70	23.70	<=33.01	Pass			
			25	21.90	1.70	23.60	<=33.01	Pass			
			49	21.99	1.70	23.69	<=33.01	Pass			
		25	0	21.92	1.70	23.62	<=33.01	Pass			
			13	21.89	1.70	23.59	<=33.01	Pass			
			25	21.97	1.70	23.67	<=33.01	Pass			
			50	0	21.92	1.70	23.62	<=33.01	Pass		
			2595	1	0	21.87	1.70	23.57	<=33.01	Pass	
					25	21.74	1.70	23.44	<=33.01	Pass	
	49	21.71			1.70	23.41	<=33.01	Pass			
	25	0		21.70	1.70	23.40	<=33.01	Pass			
		13		21.64	1.70	23.34	<=33.01	Pass			
		25		21.63	1.70	23.33	<=33.01	Pass			
	2615	1	0	21.66	1.70	23.36	<=33.01	Pass			
			25	21.60	1.70	23.30	<=33.01	Pass			
			49	21.57	1.70	23.27	<=33.01	Pass			
		25	0	21.72	1.70	23.42	<=33.01	Pass			
			13	21.52	1.70	23.22	<=33.01	Pass			
			25	21.45	1.70	23.15	<=33.01	Pass			
			50	0	21.56	1.70	23.26	<=33.01	Pass		
			16QAM	2575	1	0	21.51	1.70	23.21	<=33.01	Pass
						25	22.13	1.70	23.83	<=33.01	Pass
	49	22.17				1.70	23.87	<=33.01	Pass		
	25	0			21.86	1.70	23.56	<=33.01	Pass		
13		21.91			1.70	23.61	<=33.01	Pass			
25		21.93			1.70	23.63	<=33.01	Pass			
50		0			21.97	1.70	23.67	<=33.01	Pass		
2595		1			0	21.90	1.70	23.60	<=33.01	Pass	
					25	21.75	1.70	23.45	<=33.01	Pass	
	49		21.49	1.70	23.19	<=33.01	Pass				
	25	0	21.67	1.70	23.37	<=33.01	Pass				
		13	21.73	1.70	23.43	<=33.01	Pass				
		25	21.63	1.70	23.33	<=33.01	Pass				
		50	0	21.66	1.70	23.36	<=33.01	Pass			
		2615	1	0	21.61	1.70	23.31	<=33.01	Pass		
				25	21.24	1.70	22.94	<=33.01	Pass		
49	21.68			1.70	23.38	<=33.01	Pass				
25	0		21.61	1.70	23.31	<=33.01	Pass				
	13		21.55	1.70	23.25	<=33.01	Pass				
	25		21.43	1.70	23.13	<=33.01	Pass				
	50		0	21.51	1.70	23.21	<=33.01	Pass			



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64QAM	2575	50	0	21.50	1.70	23.20	<=33.01	Pass	
			1	0	23.04	1.70	24.74	<=33.01	Pass
				25	23.14	1.70	24.84	<=33.01	Pass
		49		23.12	1.70	24.82	<=33.01	Pass	
		25	0	23.12	1.70	24.82	<=33.01	Pass	
			13	22.84	1.70	24.54	<=33.01	Pass	
	25		23.04	1.70	24.74	<=33.01	Pass		
	2595	50	0	22.83	1.70	24.53	<=33.01	Pass	
			1	0	23.00	1.70	24.70	<=33.01	Pass
				25	22.73	1.70	24.43	<=33.01	Pass
		49		23.00	1.70	24.70	<=33.01	Pass	
		25	0	22.98	1.70	24.68	<=33.01	Pass	
			13	22.73	1.70	24.43	<=33.01	Pass	
	25		22.83	1.70	24.53	<=33.01	Pass		
	2615	50	0	22.82	1.70	24.52	<=33.01	Pass	
			1	0	22.78	1.70	24.48	<=33.01	Pass
				25	23.13	1.70	24.83	<=33.01	Pass
		49		22.76	1.70	24.46	<=33.01	Pass	
25		0	22.78	1.70	24.48	<=33.01	Pass		
		13	23.12	1.70	24.82	<=33.01	Pass		
	25	22.77	1.70	24.47	<=33.01	Pass			
256QAM	2575	50	0	20.15	1.70	21.85	<=33.01	Pass	
			1	25	20.00	1.70	21.70	<=33.01	Pass
				49	20.03	1.70	21.73	<=33.01	Pass
		25		0	20.04	1.70	21.74	<=33.01	Pass
			13	19.99	1.70	21.69	<=33.01	Pass	
			25	19.99	1.70	21.69	<=33.01	Pass	
	2595	50	0	20.05	1.70	21.75	<=33.01	Pass	
			1	0	20.09	1.70	21.79	<=33.01	Pass
				25	19.99	1.70	21.69	<=33.01	Pass
		49		20.11	1.70	21.81	<=33.01	Pass	
		25	0	19.84	1.70	21.54	<=33.01	Pass	
			13	19.81	1.70	21.51	<=33.01	Pass	
	25		19.82	1.70	21.52	<=33.01	Pass		
	2615	50	0	19.84	1.70	21.54	<=33.01	Pass	
			1	0	20.04	1.70	21.74	<=33.01	Pass
				25	20.03	1.70	21.73	<=33.01	Pass
		49		20.20	1.70	21.90	<=33.01	Pass	
		25	0	19.98	1.70	21.68	<=33.01	Pass	
13			20.00	1.70	21.70	<=33.01	Pass		
25	20.03		1.70	21.73	<=33.01	Pass			
50	0	20.00	1.70	21.70	<=33.01	Pass			

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1.3 B38_15MHz_EIRP

1.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2577.5	1	0	21.87	1.70	23.57	<=33.01	Pass	
			38	21.93	1.70	23.63	<=33.01	Pass	
			74	21.91	1.70	23.61	<=33.01	Pass	
		36	0	21.95	1.70	23.65	<=33.01	Pass	
			18	21.91	1.70	23.61	<=33.01	Pass	
			39	21.91	1.70	23.61	<=33.01	Pass	
		75	0	21.92	1.70	23.62	<=33.01	Pass	
			1	0	21.81	1.70	23.51	<=33.01	Pass
				38	21.76	1.70	23.46	<=33.01	Pass
	74	21.66		1.70	23.36	<=33.01	Pass		
	2595	36	0	21.72	1.70	23.42	<=33.01	Pass	
			18	21.63	1.70	23.33	<=33.01	Pass	
			39	21.63	1.70	23.33	<=33.01	Pass	
		75	0	21.64	1.70	23.34	<=33.01	Pass	
			1	0	21.55	1.70	23.25	<=33.01	Pass
				38	21.57	1.70	23.27	<=33.01	Pass
		74		21.72	1.70	23.42	<=33.01	Pass	
		2612.5	36	0	21.49	1.70	23.19	<=33.01	Pass
				18	21.45	1.70	23.15	<=33.01	Pass
	39			21.52	1.70	23.22	<=33.01	Pass	
	75		0	21.48	1.70	23.18	<=33.01	Pass	
			1	0	22.12	1.70	23.82	<=33.01	Pass
				38	22.18	1.70	23.88	<=33.01	Pass
	74			21.97	1.70	23.67	<=33.01	Pass	
16QAM	2577.5		36	0	21.93	1.70	23.63	<=33.01	Pass
				18	21.91	1.70	23.61	<=33.01	Pass
		39		21.92	1.70	23.62	<=33.01	Pass	
		75	0	21.94	1.70	23.64	<=33.01	Pass	
			1	0	21.56	1.70	23.26	<=33.01	Pass
				38	21.57	1.70	23.27	<=33.01	Pass
		74		21.53	1.70	23.23	<=33.01	Pass	
		2595	36	0	21.71	1.70	23.41	<=33.01	Pass
				18	21.59	1.70	23.29	<=33.01	Pass
	39			21.61	1.70	23.31	<=33.01	Pass	
	75		0	21.64	1.70	23.34	<=33.01	Pass	
			1	0	21.64	1.70	23.34	<=33.01	Pass
				38	21.36	1.70	23.06	<=33.01	Pass
	74			21.47	1.70	23.17	<=33.01	Pass	
	2612.5		36	0	21.52	1.70	23.22	<=33.01	Pass
				18	21.44	1.70	23.14	<=33.01	Pass
		39		21.53	1.70	23.23	<=33.01	Pass	



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64QAM	2577.5	75	0	21.51	1.70	23.21	<=33.01	Pass	
			1	0	22.78	1.70	24.48	<=33.01	Pass
				38	23.10	1.70	24.80	<=33.01	Pass
			74	23.10	1.70	24.80	<=33.01	Pass	
		36	0	22.99	1.70	24.69	<=33.01	Pass	
			18	22.76	1.70	24.46	<=33.01	Pass	
			39	22.99	1.70	24.69	<=33.01	Pass	
			75	0	23.08	1.70	24.78	<=33.01	Pass
		2595	1	0	22.95	1.70	24.65	<=33.01	Pass
				38	22.77	1.70	24.47	<=33.01	Pass
				74	22.95	1.70	24.65	<=33.01	Pass
				0	22.86	1.70	24.56	<=33.01	Pass
	36		18	22.96	1.70	24.66	<=33.01	Pass	
			39	22.93	1.70	24.63	<=33.01	Pass	
			75	0	22.86	1.70	24.56	<=33.01	Pass
			2612.5	1	0	22.77	1.70	24.47	<=33.01
	38				22.98	1.70	24.68	<=33.01	Pass
	74				22.78	1.70	24.48	<=33.01	Pass
	36			0	22.97	1.70	24.67	<=33.01	Pass
			18	22.77	1.70	24.47	<=33.01	Pass	
		39	22.78	1.70	24.48	<=33.01	Pass		
	75	0	22.77	1.70	24.47	<=33.01	Pass		
	256QAM	2577.5	1	0	20.05	1.70	21.75	<=33.01	Pass
				38	19.90	1.70	21.60	<=33.01	Pass
74				19.86	1.70	21.56	<=33.01	Pass	
0				20.08	1.70	21.78	<=33.01	Pass	
36			18	19.97	1.70	21.67	<=33.01	Pass	
			39	19.92	1.70	21.62	<=33.01	Pass	
			75	0	20.02	1.70	21.72	<=33.01	Pass
			2595	1	0	19.66	1.70	21.36	<=33.01
38					20.05	1.70	21.75	<=33.01	Pass
74					20.09	1.70	21.79	<=33.01	Pass
36				0	19.84	1.70	21.54	<=33.01	Pass
			18	19.84	1.70	21.54	<=33.01	Pass	
		39	19.86	1.70	21.56	<=33.01	Pass		
75		0	19.82	1.70	21.52	<=33.01	Pass		
2612.5		1	0	19.96	1.70	21.66	<=33.01	Pass	
			38	20.12	1.70	21.82	<=33.01	Pass	
			74	19.92	1.70	21.62	<=33.01	Pass	
			0	19.86	1.70	21.56	<=33.01	Pass	
		36	18	19.94	1.70	21.64	<=33.01	Pass	
			39	19.99	1.70	21.69	<=33.01	Pass	
			75	0	19.99	1.70	21.69	<=33.01	Pass
			0	19.99	1.70	21.69	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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1.4 B38_20MHz_EIRP

1.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTNV											
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict			
		Size	Offset			Result	Limit				
QPSK	2580	1	0	21.94	1.70	23.64	<=33.01	Pass			
			50	22.04	1.70	23.74	<=33.01	Pass			
			99	21.85	1.70	23.55	<=33.01	Pass			
		50	0	22.00	1.70	23.70	<=33.01	Pass			
			25	21.97	1.70	23.67	<=33.01	Pass			
			50	21.90	1.70	23.60	<=33.01	Pass			
			100	0	21.93	1.70	23.63	<=33.01	Pass		
			2595	1	0	21.82	1.70	23.52	<=33.01	Pass	
					50	21.77	1.70	23.47	<=33.01	Pass	
	99	21.65			1.70	23.35	<=33.01	Pass			
	50	0		21.78	1.70	23.48	<=33.01	Pass			
		25		21.70	1.70	23.40	<=33.01	Pass			
		50		21.64	1.70	23.34	<=33.01	Pass			
	2610	1	0	21.72	1.70	23.42	<=33.01	Pass			
			50	21.59	1.70	23.29	<=33.01	Pass			
			99	21.59	1.70	23.29	<=33.01	Pass			
		50	0	21.63	1.70	23.33	<=33.01	Pass			
			25	21.52	1.70	23.22	<=33.01	Pass			
			50	21.55	1.70	23.25	<=33.01	Pass			
			100	0	21.56	1.70	23.26	<=33.01	Pass		
			16QAM	2580	1	0	21.55	1.70	23.25	<=33.01	Pass
						50	21.93	1.70	23.63	<=33.01	Pass
	99	22.04				1.70	23.74	<=33.01	Pass		
	50	0			21.98	1.70	23.68	<=33.01	Pass		
25		21.98			1.70	23.68	<=33.01	Pass			
50		21.99			1.70	23.69	<=33.01	Pass			
100		50			21.87	1.70	23.57	<=33.01	Pass		
2595		1			0	21.91	1.70	23.61	<=33.01	Pass	
					50	21.62	1.70	23.32	<=33.01	Pass	
	99			21.57	1.70	23.27	<=33.01	Pass			
	50	0		21.51	1.70	23.21	<=33.01	Pass			
		25		21.74	1.70	23.44	<=33.01	Pass			
		50		21.74	1.70	23.44	<=33.01	Pass			
2610	1	50		21.67	1.70	23.37	<=33.01	Pass			
		100		0	21.70	1.70	23.40	<=33.01	Pass		
		0		21.21	1.70	22.91	<=33.01	Pass			
	50	50		21.63	1.70	23.33	<=33.01	Pass			
		99		21.80	1.70	23.50	<=33.01	Pass			
		0		21.53	1.70	23.23	<=33.01	Pass			
		25		21.51	1.70	23.21	<=33.01	Pass			
		50		21.54	1.70	23.24	<=33.01	Pass			



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64QAM	2580	100	0	21.56	1.70	23.26	<=33.01	Pass		
			1	0	23.20	1.70	24.90	<=33.01	Pass	
				50	23.22	1.70	24.92	<=33.01	Pass	
		50	99	23.21	1.70	24.91	<=33.01	Pass		
			1	0	23.21	1.70	24.91	<=33.01	Pass	
				25	22.84	1.70	24.54	<=33.01	Pass	
	2595	100	50	23.21	1.70	24.91	<=33.01	Pass		
			1	0	23.30	1.70	25.00	<=33.01	Pass	
				0	22.93	1.70	24.63	<=33.01	Pass	
		50	50	22.93	1.70	24.63	<=33.01	Pass		
			1	99	22.98	1.70	24.68	<=33.01	Pass	
				0	23.13	1.70	24.83	<=33.01	Pass	
	2610	100	25	22.98	1.70	24.68	<=33.01	Pass		
			1	50	22.98	1.70	24.68	<=33.01	Pass	
				0	23.13	1.70	24.83	<=33.01	Pass	
		50	1	0	22.73	1.70	24.43	<=33.01	Pass	
				50	22.85	1.70	24.55	<=33.01	Pass	
			99	22.81	1.70	24.51	<=33.01	Pass		
	256QAM	2580	100	0	19.84	1.70	21.54	<=33.01	Pass	
				1	50	20.07	1.70	21.77	<=33.01	Pass
					99	20.01	1.70	21.71	<=33.01	Pass
			50	0	20.04	1.70	21.74	<=33.01	Pass	
				1	25	19.95	1.70	21.65	<=33.01	Pass
					50	19.90	1.70	21.60	<=33.01	Pass
2595		100	0	20.02	1.70	21.72	<=33.01	Pass		
			1	0	19.57	1.70	21.27	<=33.01	Pass	
				50	19.86	1.70	21.56	<=33.01	Pass	
		50	99	19.64	1.70	21.34	<=33.01	Pass		
			1	0	19.81	1.70	21.51	<=33.01	Pass	
				25	19.88	1.70	21.58	<=33.01	Pass	
2610		100	50	19.87	1.70	21.57	<=33.01	Pass		
			1	0	19.91	1.70	21.61	<=33.01	Pass	
				0	19.87	1.70	21.57	<=33.01	Pass	
		50	1	50	20.36	1.70	22.06	<=33.01	Pass	
				99	20.11	1.70	21.81	<=33.01	Pass	
			0	19.90	1.70	21.60	<=33.01	Pass		
100		1	25	19.97	1.70	21.67	<=33.01	Pass		
			50	20.06	1.70	21.76	<=33.01	Pass		
100		1	0	19.98	1.70	21.68	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2572.5	25	0	20	3.6	5.322	0.0021	-2.5 to 2.5	Pass	
					3.84	-4.735	-0.0018	-2.5 to 2.5	Pass	
					4.25	-0.558	-0.0002	-2.5 to 2.5	Pass	
				-30	3.84	-2.403	-0.0009	-2.5 to 2.5	Pass	
					-20	3.84	-7.510	-0.0029	-2.5 to 2.5	Pass
						3.84	-6.609	-0.0026	-2.5 to 2.5	Pass
				0	3.84	0.572	0.0002	-2.5 to 2.5	Pass	
					3.84	3.605	0.0014	-2.5 to 2.5	Pass	
				30	3.84	1.488	0.0006	-2.5 to 2.5	Pass	
					3.84	-6.981	-0.0027	-2.5 to 2.5	Pass	
	50	3.84	-3.734	-0.0015	-2.5 to 2.5	Pass				
	2595	25	0	20	3.6	3.562	0.0014	-2.5 to 2.5	Pass	
					3.84	-6.337	-0.0024	-2.5 to 2.5	Pass	
					4.25	-3.591	-0.0014	-2.5 to 2.5	Pass	
				-30	3.84	-3.262	-0.0013	-2.5 to 2.5	Pass	
					-20	3.84	-0.315	-0.0001	-2.5 to 2.5	Pass
						3.84	-6.466	-0.0025	-2.5 to 2.5	Pass
				0	3.84	-3.533	-0.0014	-2.5 to 2.5	Pass	
					3.84	-8.669	-0.0033	-2.5 to 2.5	Pass	
				30	3.84	-2.518	-0.0010	-2.5 to 2.5	Pass	
					3.84	-3.633	-0.0014	-2.5 to 2.5	Pass	
	50	3.84	-5.651	-0.0022	-2.5 to 2.5	Pass				
	2617.5	25	0	20	3.6	0.329	0.0001	-2.5 to 2.5	Pass	
					3.84	-4.363	-0.0017	-2.5 to 2.5	Pass	
					4.25	-4.678	-0.0018	-2.5 to 2.5	Pass	
				-30	3.84	-4.878	-0.0019	-2.5 to 2.5	Pass	
					-20	3.84	-14.534	-0.0056	-2.5 to 2.5	Pass
						3.84	-6.781	-0.0026	-2.5 to 2.5	Pass
				0	3.84	-4.377	-0.0017	-2.5 to 2.5	Pass	
					3.84	-1.202	-0.0005	-2.5 to 2.5	Pass	
30				3.84	-2.575	-0.0010	-2.5 to 2.5	Pass		
				3.84	-1.788	-0.0007	-2.5 to 2.5	Pass		
50	3.84	-9.441	-0.0036	-2.5 to 2.5	Pass					
16QAM	2572.5	25	0	20	3.6	0.100	0.0000	-2.5 to 2.5	Pass	
					3.84	-12.531	-0.0049	-2.5 to 2.5	Pass	
					4.25	-5.350	-0.0021	-2.5 to 2.5	Pass	
				-30	3.84	1.059	0.0004	-2.5 to 2.5	Pass	
					3.84	-5.193	-0.0020	-2.5 to 2.5	Pass	
-10	3.84	0.572	0.0002	-2.5 to 2.5	Pass					



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Table with 10 columns: Test ID, Frequency, Modulation, Power, Offset, Measured Value, Reference Value, Pass/Fail, etc. Rows include test results for 2595, 2617.5, 2572.5, and 2595 Hz at 64QAM modulation.



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	2617.5	25	0	20	3.6	-1.775	-0.0007	-2.5 to 2.5	Pass
					3.84	-9.830	-0.0038	-2.5 to 2.5	Pass
					4.25	-8.286	-0.0032	-2.5 to 2.5	Pass
				-30	3.84	-7.759	-0.0030	-2.5 to 2.5	Pass
					-20	3.84	-0.106	0.0000	-2.5 to 2.5
				-10	3.84	6.416	0.0025	-2.5 to 2.5	Pass
					0	3.84	-4.508	-0.0017	-2.5 to 2.5
				10	3.84	11.442	0.0044	-2.5 to 2.5	Pass
					30	3.84	6.471	0.0025	-2.5 to 2.5
				40	3.84	14.038	0.0054	-2.5 to 2.5	Pass
50	3.84	8.992	0.0034		-2.5 to 2.5	Pass			
256QAM	2572.5	25	0	20	3.6	-3.765	-0.0015	-2.5 to 2.5	Pass
					3.84	6.303	0.0025	-2.5 to 2.5	Pass
					4.25	-2.673	-0.0010	-2.5 to 2.5	Pass
				-30	3.84	-10.691	-0.0042	-2.5 to 2.5	Pass
					-20	3.84	-1.365	-0.0005	-2.5 to 2.5
				-10	3.84	-2.979	-0.0012	-2.5 to 2.5	Pass
					0	3.84	-2.497	-0.0010	-2.5 to 2.5
				10	3.84	-5.946	-0.0023	-2.5 to 2.5	Pass
					30	3.84	-11.281	-0.0044	-2.5 to 2.5
	40	3.84	-6.081	-0.0024	-2.5 to 2.5	Pass			
		50	3.84	-2.245	-0.0009	-2.5 to 2.5	Pass		
	2595	25	0	20	3.6	-8.706	-0.0034	-2.5 to 2.5	Pass
					3.84	0.789	0.0003	-2.5 to 2.5	Pass
					4.25	7.006	0.0027	-2.5 to 2.5	Pass
				-30	3.84	-6.746	-0.0026	-2.5 to 2.5	Pass
-20					3.84	6.033	0.0023	-2.5 to 2.5	Pass
-10				3.84	-7.581	-0.0029	-2.5 to 2.5	Pass	
	0	3.84	-7.457	-0.0029	-2.5 to 2.5	Pass			
10	3.84	1.936	0.0007	-2.5 to 2.5	Pass				
	30	3.84	-8.527	-0.0033	-2.5 to 2.5	Pass			
40	3.84	-6.071	-0.0023	-2.5 to 2.5	Pass				
	50	3.84	-5.500	-0.0021	-2.5 to 2.5	Pass			
2617.5	25	0	20	3.6	12.961	0.0050	-2.5 to 2.5	Pass	
				3.84	15.161	0.0058	-2.5 to 2.5	Pass	
				4.25	21.184	0.0081	-2.5 to 2.5	Pass	
			-30	3.84	18.790	0.0072	-2.5 to 2.5	Pass	
				-20	3.84	8.036	0.0031	-2.5 to 2.5	Pass
			-10	3.84	7.472	0.0029	-2.5 to 2.5	Pass	
				0	3.84	5.946	0.0023	-2.5 to 2.5	Pass
			10	3.84	7.110	0.0027	-2.5 to 2.5	Pass	
				30	3.84	0.523	0.0002	-2.5 to 2.5	Pass
40	3.84	4.152	0.0016	-2.5 to 2.5	Pass				
	50	3.84	6.644	0.0025	-2.5 to 2.5	Pass			



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2.2 B38_10MHz

2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.6	-6.237	-0.0024	-2.5 to 2.5	Pass
					3.84	-6.452	-0.0025	-2.5 to 2.5	Pass
					4.25	-4.435	-0.0017	-2.5 to 2.5	Pass
				-30	3.84	-8.640	-0.0034	-2.5 to 2.5	Pass
				-20	3.84	-3.848	-0.0015	-2.5 to 2.5	Pass
				-10	3.84	1.302	0.0005	-2.5 to 2.5	Pass
				0	3.84	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	3.84	-4.992	-0.0019	-2.5 to 2.5	Pass
				30	3.84	-2.532	-0.0010	-2.5 to 2.5	Pass
				40	3.84	-1.116	-0.0004	-2.5 to 2.5	Pass
	50	3.84	-5.150	-0.0020	-2.5 to 2.5	Pass			
	2595	50	0	20	3.6	4.621	0.0018	-2.5 to 2.5	Pass
					3.84	0.129	0.0000	-2.5 to 2.5	Pass
					4.25	0.730	0.0003	-2.5 to 2.5	Pass
				-30	3.84	1.388	0.0005	-2.5 to 2.5	Pass
				-20	3.84	-1.688	-0.0007	-2.5 to 2.5	Pass
				-10	3.84	-5.522	-0.0021	-2.5 to 2.5	Pass
				0	3.84	-1.101	-0.0004	-2.5 to 2.5	Pass
				10	3.84	-4.907	-0.0019	-2.5 to 2.5	Pass
				30	3.84	-4.048	-0.0016	-2.5 to 2.5	Pass
				40	3.84	-0.515	-0.0002	-2.5 to 2.5	Pass
	50	3.84	-7.653	-0.0029	-2.5 to 2.5	Pass			
	2615	50	0	20	3.6	-2.003	-0.0008	-2.5 to 2.5	Pass
					3.84	-3.204	-0.0012	-2.5 to 2.5	Pass
					4.25	0.472	0.0002	-2.5 to 2.5	Pass
				-30	3.84	-8.755	-0.0033	-2.5 to 2.5	Pass
				-20	3.84	-5.221	-0.0020	-2.5 to 2.5	Pass
				-10	3.84	-4.864	-0.0019	-2.5 to 2.5	Pass
				0	3.84	-2.532	-0.0010	-2.5 to 2.5	Pass
				10	3.84	-2.918	-0.0011	-2.5 to 2.5	Pass
30				3.84	-2.031	-0.0008	-2.5 to 2.5	Pass	
40				3.84	-5.493	-0.0021	-2.5 to 2.5	Pass	
50	3.84	-4.563	-0.0017	-2.5 to 2.5	Pass				
16QAM	2575	50	0	20	3.6	-8.869	-0.0034	-2.5 to 2.5	Pass
					3.84	-6.180	-0.0024	-2.5 to 2.5	Pass
					4.25	0.257	0.0001	-2.5 to 2.5	Pass
				-30	3.84	-5.808	-0.0023	-2.5 to 2.5	Pass
				-20	3.84	-1.187	-0.0005	-2.5 to 2.5	Pass
				-10	3.84	-0.544	-0.0002	-2.5 to 2.5	Pass
				0	3.84	2.017	0.0008	-2.5 to 2.5	Pass
				10	3.84	-0.930	-0.0004	-2.5 to 2.5	Pass



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Table with columns for test parameters (e.g., 30, 40, 50, 20, -30, -20, -10, 0, 10, 30, 40, 50) and results (e.g., 3.84, 2.646, 0.0010, -2.5 to 2.5, Pass). The table is organized into groups for 2595, 2615, 2575, and 2595 tests, with a 64QAM section at the bottom.



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Table with 10 columns: Item, Test No., Result, etc. It contains three main sections of test results for items 2575, 2595, and 2615, each with multiple test points and their corresponding values and pass/fail status.



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2.3 B38_15MHz

2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2577.5	75	0	20	3.6	-1.960	-0.0008	-2.5 to 2.5	Pass	
					3.84	-5.493	-0.0021	-2.5 to 2.5	Pass	
					4.25	-1.116	-0.0004	-2.5 to 2.5	Pass	
				-30	3.84	-4.020	-0.0016	-2.5 to 2.5	Pass	
					-20	3.84	-0.787	-0.0003	-2.5 to 2.5	Pass
						-10	3.84	-3.247	-0.0013	-2.5 to 2.5
				0	3.84	-2.575	-0.0010	-2.5 to 2.5	Pass	
				10	3.84	0.014	0.0000	-2.5 to 2.5	Pass	
				30	3.84	-2.589	-0.0010	-2.5 to 2.5	Pass	
	40	3.84	0.286	0.0001	-2.5 to 2.5	Pass				
	50	3.84	2.103	0.0008	-2.5 to 2.5	Pass				
	2595	75	0	20	3.6	-5.250	-0.0020	-2.5 to 2.5	Pass	
					3.84	-7.253	-0.0028	-2.5 to 2.5	Pass	
					4.25	3.719	0.0014	-2.5 to 2.5	Pass	
				-30	3.84	-5.565	-0.0021	-2.5 to 2.5	Pass	
					-20	3.84	-5.064	-0.0020	-2.5 to 2.5	Pass
						-10	3.84	-0.830	-0.0003	-2.5 to 2.5
				0	3.84	-6.924	-0.0027	-2.5 to 2.5	Pass	
				10	3.84	-3.819	-0.0015	-2.5 to 2.5	Pass	
				30	3.84	-3.533	-0.0014	-2.5 to 2.5	Pass	
	40	3.84	-3.877	-0.0015	-2.5 to 2.5	Pass				
	50	3.84	-2.904	-0.0011	-2.5 to 2.5	Pass				
	2612.5	75	0	20	3.6	-5.536	-0.0021	-2.5 to 2.5	Pass	
					3.84	-5.522	-0.0021	-2.5 to 2.5	Pass	
					4.25	-6.251	-0.0024	-2.5 to 2.5	Pass	
				-30	3.84	-4.678	-0.0018	-2.5 to 2.5	Pass	
					-20	3.84	-11.158	-0.0043	-2.5 to 2.5	Pass
-10						3.84	-5.279	-0.0020	-2.5 to 2.5	Pass
0				3.84	-1.416	-0.0005	-2.5 to 2.5	Pass		
10				3.84	-2.804	-0.0011	-2.5 to 2.5	Pass		
30				3.84	-5.507	-0.0021	-2.5 to 2.5	Pass		
40	3.84	0.687	0.0003	-2.5 to 2.5	Pass					
50	3.84	-3.805	-0.0015	-2.5 to 2.5	Pass					
16QAM	2577.5	75	0	20	3.6	-3.462	-0.0013	-2.5 to 2.5	Pass	
					3.84	0.916	0.0004	-2.5 to 2.5	Pass	
					4.25	-4.907	-0.0019	-2.5 to 2.5	Pass	
				-30	3.84	-4.420	-0.0017	-2.5 to 2.5	Pass	
					-20	3.84	-1.130	-0.0004	-2.5 to 2.5	Pass
				-10	3.84	-0.401	-0.0002	-2.5 to 2.5	Pass	
				0	3.84	1.888	0.0007	-2.5 to 2.5	Pass	
10	3.84	0.372	0.0001	-2.5 to 2.5	Pass					



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				30	3.84	-2.689	-0.0010	-2.5 to 2.5	Pass
				40	3.84	3.920	0.0015	-2.5 to 2.5	Pass
				50	3.84	-0.157	-0.0001	-2.5 to 2.5	Pass
2595	75	0	20	3.6	-4.721	-0.0018	-2.5 to 2.5	Pass	
				3.84	0.229	0.0001	-2.5 to 2.5	Pass	
				4.25	-0.973	-0.0004	-2.5 to 2.5	Pass	
			-30	3.84	-0.973	-0.0004	-2.5 to 2.5	Pass	
			-20	3.84	-3.533	-0.0014	-2.5 to 2.5	Pass	
			-10	3.84	0.472	0.0002	-2.5 to 2.5	Pass	
			0	3.84	-4.478	-0.0017	-2.5 to 2.5	Pass	
			10	3.84	-3.176	-0.0012	-2.5 to 2.5	Pass	
			30	3.84	-7.467	-0.0029	-2.5 to 2.5	Pass	
			40	3.84	-3.877	-0.0015	-2.5 to 2.5	Pass	
			50	3.84	-1.817	-0.0007	-2.5 to 2.5	Pass	
			2612.5	75	0	20	3.6	-7.710	-0.0030
3.84	-5.407	-0.0021					-2.5 to 2.5	Pass	
4.25	-8.254	-0.0032					-2.5 to 2.5	Pass	
-30	3.84	-3.991				-0.0015	-2.5 to 2.5	Pass	
-20	3.84	0.257				0.0001	-2.5 to 2.5	Pass	
-10	3.84	-1.187				-0.0005	-2.5 to 2.5	Pass	
0	3.84	-2.317				-0.0009	-2.5 to 2.5	Pass	
10	3.84	0.401				0.0002	-2.5 to 2.5	Pass	
30	3.84	-5.279				-0.0020	-2.5 to 2.5	Pass	
40	3.84	-3.076				-0.0012	-2.5 to 2.5	Pass	
50	3.84	-3.576				-0.0014	-2.5 to 2.5	Pass	
64QAM	2577.5	75				0	20	3.6	-2.562
			3.84	0.703	0.0003			-2.5 to 2.5	Pass
			4.25	1.787	0.0007			-2.5 to 2.5	Pass
			-30	3.84	-6.434		-0.0025	-2.5 to 2.5	Pass
			-20	3.84	2.980		0.0012	-2.5 to 2.5	Pass
			-10	3.84	-2.659		-0.0010	-2.5 to 2.5	Pass
			0	3.84	-1.623		-0.0006	-2.5 to 2.5	Pass
			10	3.84	-8.985		-0.0035	-2.5 to 2.5	Pass
			30	3.84	-4.965		-0.0019	-2.5 to 2.5	Pass
			40	3.84	9.977		0.0039	-2.5 to 2.5	Pass
			50	3.84	-5.472		-0.0021	-2.5 to 2.5	Pass
			2595	75	0		20	3.6	-9.018
	3.84	-8.577				-0.0033		-2.5 to 2.5	Pass
	4.25	-0.318				-0.0001		-2.5 to 2.5	Pass
	-30	3.84				-5.070	-0.0020	-2.5 to 2.5	Pass
	-20	3.84				-6.258	-0.0024	-2.5 to 2.5	Pass
	-10	3.84				-7.756	-0.0030	-2.5 to 2.5	Pass
	0	3.84				-2.823	-0.0011	-2.5 to 2.5	Pass
	10	3.84				5.350	0.0021	-2.5 to 2.5	Pass
	30	3.84				0.303	0.0001	-2.5 to 2.5	Pass
	40	3.84				-2.773	-0.0011	-2.5 to 2.5	Pass
	50	3.84				-5.493	-0.0021	-2.5 to 2.5	Pass
	2612.5	75				0	20	3.6	-2.407
			3.84	-6.504	-0.0025			-2.5 to 2.5	Pass



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					4.25	-9.374	-0.0036	-2.5 to 2.5	Pass				
				-30	3.84	-5.808	-0.0022	-2.5 to 2.5	Pass				
				-20	3.84	2.117	0.0008	-2.5 to 2.5	Pass				
				-10	3.84	-3.575	-0.0014	-2.5 to 2.5	Pass				
				0	3.84	-3.808	-0.0015	-2.5 to 2.5	Pass				
				10	3.84	-2.764	-0.0011	-2.5 to 2.5	Pass				
				30	3.84	-0.375	-0.0001	-2.5 to 2.5	Pass				
				40	3.84	-8.557	-0.0033	-2.5 to 2.5	Pass				
				50	3.84	-0.621	-0.0002	-2.5 to 2.5	Pass				
256QAM	2577.5	75	0	20	3.6	-0.021	0.0000	-2.5 to 2.5	Pass				
					3.84	-3.300	-0.0013	-2.5 to 2.5	Pass				
					4.25	-4.765	-0.0018	-2.5 to 2.5	Pass				
								-30	3.84	-8.892	-0.0034	-2.5 to 2.5	Pass
								-20	3.84	-1.314	-0.0005	-2.5 to 2.5	Pass
								-10	3.84	-9.511	-0.0037	-2.5 to 2.5	Pass
								0	3.84	-3.623	-0.0014	-2.5 to 2.5	Pass
								10	3.84	-4.588	-0.0018	-2.5 to 2.5	Pass
								30	3.84	-9.506	-0.0037	-2.5 to 2.5	Pass
					40	3.84	-4.362	-0.0017	-2.5 to 2.5	Pass			
					50	3.84	-8.337	-0.0032	-2.5 to 2.5	Pass			
		2595	75	0	20	3.6	0.924	0.0004	-2.5 to 2.5	Pass			
	3.84					-4.830	-0.0019	-2.5 to 2.5	Pass				
	4.25					-8.211	-0.0032	-2.5 to 2.5	Pass				
								-30	3.84	4.016	0.0015	-2.5 to 2.5	Pass
								-20	3.84	-2.753	-0.0011	-2.5 to 2.5	Pass
								-10	3.84	-2.106	-0.0008	-2.5 to 2.5	Pass
								0	3.84	-5.884	-0.0023	-2.5 to 2.5	Pass
								10	3.84	6.608	0.0025	-2.5 to 2.5	Pass
								30	3.84	2.067	0.0008	-2.5 to 2.5	Pass
					40	3.84	0.838	0.0003	-2.5 to 2.5	Pass			
					50	3.84	-0.283	-0.0001	-2.5 to 2.5	Pass			
		2612.5	75	0	20	3.6	1.460	0.0006	-2.5 to 2.5	Pass			
	3.84					-10.764	-0.0041	-2.5 to 2.5	Pass				
	4.25					-5.631	-0.0022	-2.5 to 2.5	Pass				
								-30	3.84	0.228	0.0001	-2.5 to 2.5	Pass
								-20	3.84	-7.588	-0.0029	-2.5 to 2.5	Pass
							-10	3.84	-3.620	-0.0014	-2.5 to 2.5	Pass	
							0	3.84	-12.650	-0.0048	-2.5 to 2.5	Pass	
							10	3.84	1.504	0.0006	-2.5 to 2.5	Pass	
							30	3.84	0.038	0.0000	-2.5 to 2.5	Pass	
				40	3.84	-4.560	-0.0017	-2.5 to 2.5	Pass				
				50	3.84	-8.931	-0.0034	-2.5 to 2.5	Pass				



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2.4 B38_20MHz

2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2580	100	0	20	3.6	-7.782	-0.0030	-2.5 to 2.5	Pass	
					3.84	-12.803	-0.0050	-2.5 to 2.5	Pass	
					4.25	-6.380	-0.0025	-2.5 to 2.5	Pass	
				-30	3.84	-5.136	-0.0020	-2.5 to 2.5	Pass	
					-20	3.84	-7.367	-0.0029	-2.5 to 2.5	Pass
						-10	3.84	-5.078	-0.0020	-2.5 to 2.5
				0	3.84	-0.243	-0.0001	-2.5 to 2.5	Pass	
				10	3.84	-5.894	-0.0023	-2.5 to 2.5	Pass	
				30	3.84	-2.303	-0.0009	-2.5 to 2.5	Pass	
	40	3.84	-2.232	-0.0009	-2.5 to 2.5	Pass				
	50	3.84	-6.666	-0.0026	-2.5 to 2.5	Pass				
	2595	100	0	20	3.6	-2.890	-0.0011	-2.5 to 2.5	Pass	
					3.84	0.343	0.0001	-2.5 to 2.5	Pass	
					4.25	-4.220	-0.0016	-2.5 to 2.5	Pass	
				-30	3.84	-5.322	-0.0021	-2.5 to 2.5	Pass	
					-20	3.84	-5.007	-0.0019	-2.5 to 2.5	Pass
						-10	3.84	-3.276	-0.0013	-2.5 to 2.5
				0	3.84	0.157	0.0001	-2.5 to 2.5	Pass	
				10	3.84	-6.194	-0.0024	-2.5 to 2.5	Pass	
				30	3.84	1.245	0.0005	-2.5 to 2.5	Pass	
	40	3.84	-3.963	-0.0015	-2.5 to 2.5	Pass				
	50	3.84	-0.515	-0.0002	-2.5 to 2.5	Pass				
	2610	100	0	20	3.6	-2.003	-0.0008	-2.5 to 2.5	Pass	
					3.84	-3.920	-0.0015	-2.5 to 2.5	Pass	
					4.25	-4.234	-0.0016	-2.5 to 2.5	Pass	
				-30	3.84	-2.632	-0.0010	-2.5 to 2.5	Pass	
					-20	3.84	-2.832	-0.0011	-2.5 to 2.5	Pass
-10						3.84	0.930	0.0004	-2.5 to 2.5	Pass
0				3.84	-4.749	-0.0018	-2.5 to 2.5	Pass		
10				3.84	-1.960	-0.0008	-2.5 to 2.5	Pass		
30				3.84	-4.463	-0.0017	-2.5 to 2.5	Pass		
40	3.84	-6.909	-0.0026	-2.5 to 2.5	Pass					
50	3.84	0.086	0.0000	-2.5 to 2.5	Pass					
16QAM	2580	100	0	20	3.6	-6.781	-0.0026	-2.5 to 2.5	Pass	
					3.84	-2.332	-0.0009	-2.5 to 2.5	Pass	
					4.25	-8.097	-0.0031	-2.5 to 2.5	Pass	
				-30	3.84	-3.734	-0.0014	-2.5 to 2.5	Pass	
					-20	3.84	-1.774	-0.0007	-2.5 to 2.5	Pass
				-10	3.84	-6.881	-0.0027	-2.5 to 2.5	Pass	
				0	3.84	-10.271	-0.0040	-2.5 to 2.5	Pass	
10	3.84	-2.403	-0.0009	-2.5 to 2.5	Pass					



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64QAM	2595	100	0	30	3.84	-0.944	-0.0004	-2.5 to 2.5	Pass			
				40	3.84	-0.343	-0.0001	-2.5 to 2.5	Pass			
				50	3.84	-3.347	-0.0013	-2.5 to 2.5	Pass			
				20	3.6	-2.990	-0.0012	-2.5 to 2.5	Pass			
					3.84	-1.516	-0.0006	-2.5 to 2.5	Pass			
					4.25	-1.459	-0.0006	-2.5 to 2.5	Pass			
				-30	3.84	-6.123	-0.0024	-2.5 to 2.5	Pass			
				-20	3.84	-6.309	-0.0024	-2.5 to 2.5	Pass			
				-10	3.84	-0.887	-0.0003	-2.5 to 2.5	Pass			
				0	3.84	-3.233	-0.0012	-2.5 to 2.5	Pass			
				10	3.84	-3.548	-0.0014	-2.5 to 2.5	Pass			
				30	3.84	-4.964	-0.0019	-2.5 to 2.5	Pass			
				40	3.84	-0.429	-0.0002	-2.5 to 2.5	Pass			
				50	3.84	-1.216	-0.0005	-2.5 to 2.5	Pass			
				2610	100	0	20	3.6	1.073	0.0004	-2.5 to 2.5	Pass
	3.84	-5.322	-0.0020					-2.5 to 2.5	Pass			
	4.25	1.359	0.0005					-2.5 to 2.5	Pass			
	-30	3.84	-0.315				-0.0001	-2.5 to 2.5	Pass			
	-20	3.84	-4.849				-0.0019	-2.5 to 2.5	Pass			
	-10	3.84	-2.675				-0.0010	-2.5 to 2.5	Pass			
	0	3.84	-4.492				-0.0017	-2.5 to 2.5	Pass			
	10	3.84	-5.851				-0.0022	-2.5 to 2.5	Pass			
	30	3.84	2.789				0.0011	-2.5 to 2.5	Pass			
	40	3.84	3.633				0.0014	-2.5 to 2.5	Pass			
	50	3.84	0.486				0.0002	-2.5 to 2.5	Pass			
	2580	100	0				20	3.6	-2.752	-0.0011	-2.5 to 2.5	Pass
								3.84	-8.943	-0.0035	-2.5 to 2.5	Pass
								4.25	-6.528	-0.0025	-2.5 to 2.5	Pass
							-30	3.84	-5.350	-0.0021	-2.5 to 2.5	Pass
				-20	3.84	2.530	0.0010	-2.5 to 2.5	Pass			
-10				3.84	-7.788	-0.0030	-2.5 to 2.5	Pass				
0				3.84	1.483	0.0006	-2.5 to 2.5	Pass				
10				3.84	-4.990	-0.0019	-2.5 to 2.5	Pass				
30				3.84	-9.501	-0.0037	-2.5 to 2.5	Pass				
40				3.84	0.035	0.0000	-2.5 to 2.5	Pass				
50				3.84	4.809	0.0019	-2.5 to 2.5	Pass				
2595				100	0	20	3.6	-6.967	-0.0027	-2.5 to 2.5	Pass	
							3.84	-6.105	-0.0024	-2.5 to 2.5	Pass	
							4.25	-5.843	-0.0023	-2.5 to 2.5	Pass	
						-30	3.84	2.160	0.0008	-2.5 to 2.5	Pass	
	-20	3.84	-5.210			-0.0020	-2.5 to 2.5	Pass				
	-10	3.84	4.971			0.0019	-2.5 to 2.5	Pass				
	0	3.84	-0.640			-0.0002	-2.5 to 2.5	Pass				
	10	3.84	0.969			0.0004	-2.5 to 2.5	Pass				
	30	3.84	1.460			0.0006	-2.5 to 2.5	Pass				
	40	3.84	1.717			0.0007	-2.5 to 2.5	Pass				
	50	3.84	-0.884			-0.0003	-2.5 to 2.5	Pass				
	2610	100	0			20	3.6	-10.048	-0.0038	-2.5 to 2.5	Pass	
							3.84	-3.670	-0.0014	-2.5 to 2.5	Pass	



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					4.25	-4.471	-0.0017	-2.5 to 2.5	Pass
				-30	3.84	1.990	0.0008	-2.5 to 2.5	Pass
				-20	3.84	4.331	0.0017	-2.5 to 2.5	Pass
				-10	3.84	1.121	0.0004	-2.5 to 2.5	Pass
				0	3.84	4.268	0.0016	-2.5 to 2.5	Pass
				10	3.84	6.968	0.0027	-2.5 to 2.5	Pass
				30	3.84	-6.342	-0.0024	-2.5 to 2.5	Pass
				40	3.84	-7.952	-0.0030	-2.5 to 2.5	Pass
				50	3.84	-5.732	-0.0022	-2.5 to 2.5	Pass
256QAM	2580	100	0	20	3.6	10.098	0.0039	-2.5 to 2.5	Pass
					3.84	-1.276	-0.0005	-2.5 to 2.5	Pass
					4.25	-6.841	-0.0027	-2.5 to 2.5	Pass
				-30	3.84	-3.693	-0.0014	-2.5 to 2.5	Pass
				-20	3.84	-5.137	-0.0020	-2.5 to 2.5	Pass
				-10	3.84	-3.061	-0.0012	-2.5 to 2.5	Pass
				0	3.84	-8.934	-0.0035	-2.5 to 2.5	Pass
				10	3.84	3.654	0.0014	-2.5 to 2.5	Pass
				30	3.84	-14.661	-0.0057	-2.5 to 2.5	Pass
				40	3.84	-1.363	-0.0005	-2.5 to 2.5	Pass
				50	3.84	-1.055	-0.0004	-2.5 to 2.5	Pass
				2595	100	0	20	3.6	2.184
	3.84	-1.973	-0.0008					-2.5 to 2.5	Pass
	4.25	1.299	0.0005					-2.5 to 2.5	Pass
	-30	3.84	-8.181				-0.0032	-2.5 to 2.5	Pass
	-20	3.84	-2.842				-0.0011	-2.5 to 2.5	Pass
	-10	3.84	3.601				0.0014	-2.5 to 2.5	Pass
	0	3.84	-10.643				-0.0041	-2.5 to 2.5	Pass
	10	3.84	-7.350				-0.0028	-2.5 to 2.5	Pass
	30	3.84	-0.877				-0.0003	-2.5 to 2.5	Pass
	40	3.84	-2.877				-0.0011	-2.5 to 2.5	Pass
	50	3.84	4.677				0.0018	-2.5 to 2.5	Pass
	2610	100	0				20	3.6	-0.984
				3.84	-2.513	-0.0010		-2.5 to 2.5	Pass
				4.25	0.170	0.0001		-2.5 to 2.5	Pass
				-30	3.84	-4.140	-0.0016	-2.5 to 2.5	Pass
				-20	3.84	-5.312	-0.0020	-2.5 to 2.5	Pass
				-10	3.84	-7.086	-0.0027	-2.5 to 2.5	Pass
0				3.84	4.017	0.0015	-2.5 to 2.5	Pass	
10				3.84	4.039	0.0015	-2.5 to 2.5	Pass	
30				3.84	6.088	0.0023	-2.5 to 2.5	Pass	
40				3.84	-0.933	-0.0004	-2.5 to 2.5	Pass	
50				3.84	-10.464	-0.0040	-2.5 to 2.5	Pass	



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3. 99% & 26dB Bandwidth

3.1 Band38_OBW

3.1.1 Test Result

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.579	/	Pass
		2595	25	0	4.561	/	Pass
		2617.5	25	0	4.559	/	Pass
	16QAM	2572.5	25	0	4.554	/	Pass
		2595	25	0	4.564	/	Pass
		2617.5	25	0	4.592	/	Pass
	64QAM	2572.5	25	0	4.615	/	Pass
		2595	25	0	4.749	/	Pass
		2617.5	25	0	4.550	/	Pass
	256QAM	2572.5	25	0	4.588	/	Pass
		2595	25	0	4.676	/	Pass
		2617.5	25	0	4.632	/	Pass
10	QPSK	2575	50	0	9.136	/	Pass
		2595	50	0	9.105	/	Pass
		2615	50	0	9.119	/	Pass
	16QAM	2575	50	0	9.478	/	Pass
		2595	50	0	9.056	/	Pass
		2615	50	0	9.088	/	Pass
	64QAM	2575	50	0	9.195	/	Pass
		2595	50	0	9.410	/	Pass
		2615	50	0	9.128	/	Pass
	256QAM	2575	50	0	9.368	/	Pass
		2595	50	0	9.278	/	Pass
		2615	50	0	9.173	/	Pass
15	QPSK	2577.5	75	0	13.637	/	Pass
		2595	75	0	15.216	/	Pass
		2612.5	75	0	13.605	/	Pass
	16QAM	2577.5	75	0	14.401	/	Pass
		2595	75	0	14.495	/	Pass
		2612.5	75	0	13.660	/	Pass
	64QAM	2577.5	75	0	13.684	/	Pass
		2595	75	0	13.994	/	Pass
		2612.5	75	0	13.666	/	Pass
	256QAM	2577.5	75	0	13.718	/	Pass
		2595	75	0	13.734	/	Pass
		2612.5	75	0	13.621	/	Pass
20	QPSK	2580	100	0	18.358	/	Pass
		2595	100	0	18.165	/	Pass
		2610	100	0	18.158	/	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

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	16QAM	2580	100	0	18.471	/	Pass
		2595	100	0	18.119	/	Pass
		2610	100	0	18.126	/	Pass
	64QAM	2580	100	0	18.342	/	Pass
		2595	100	0	18.718	/	Pass
		2610	100	0	18.083	/	Pass
	256QAM	2580	100	0	18.199	/	Pass
		2595	100	0	18.334	/	Pass
		2610	100	0	18.055	/	Pass



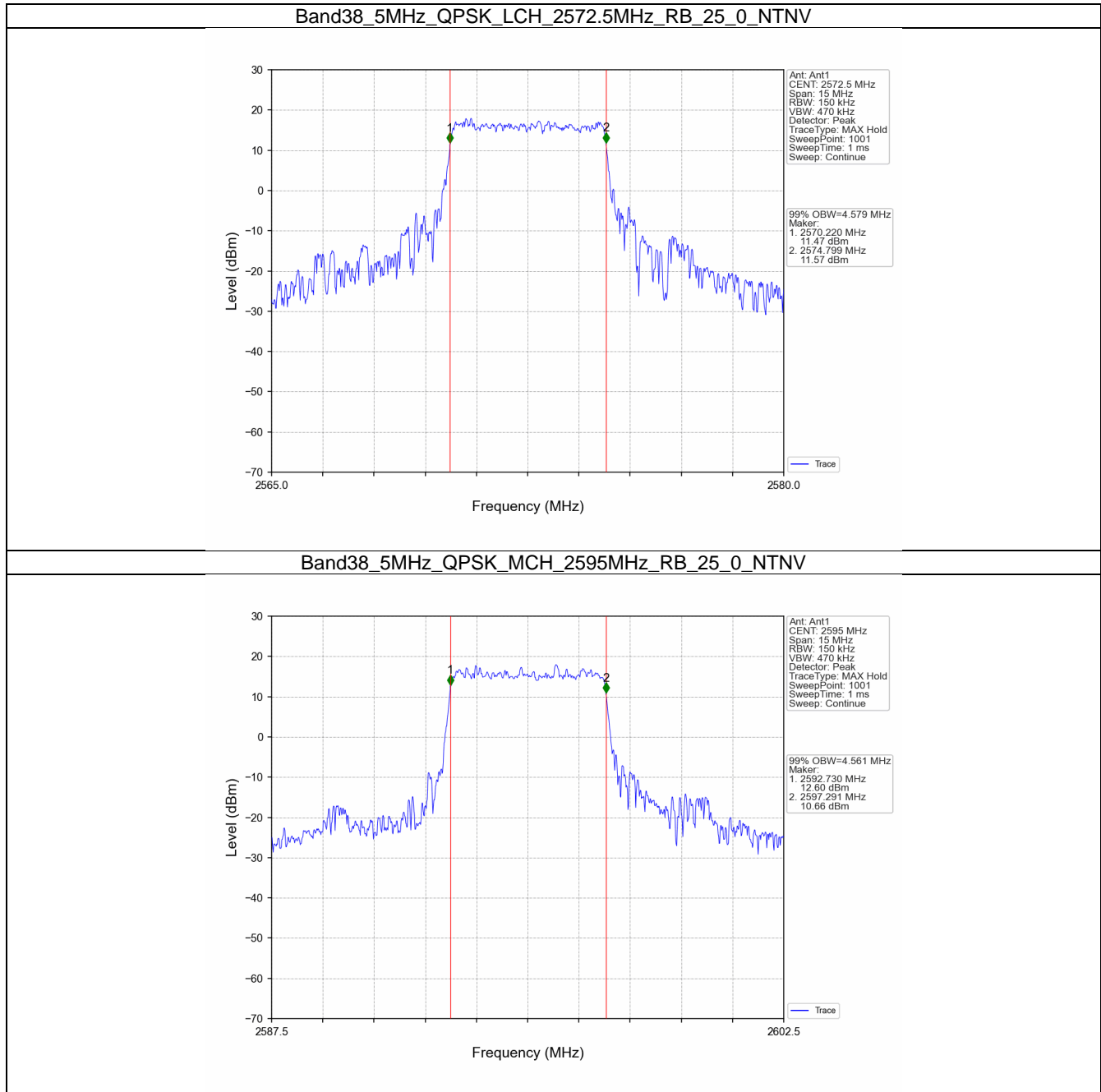
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3.1.2 Test Graph

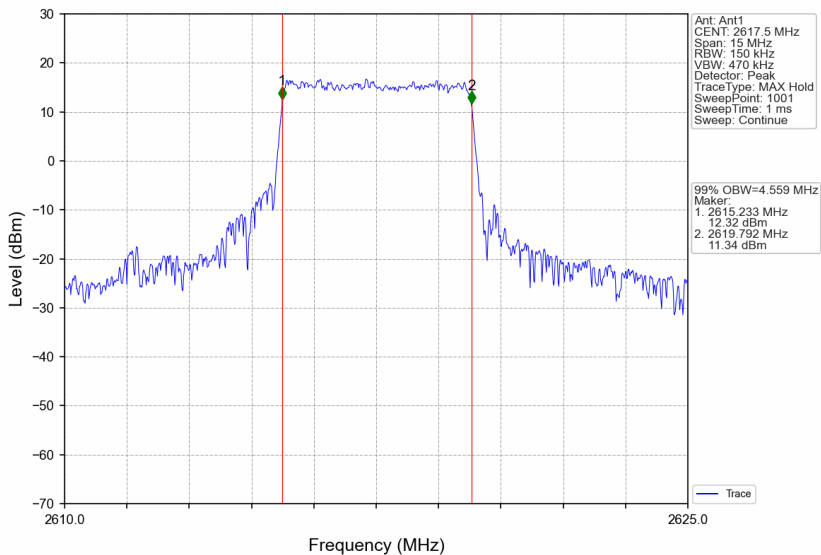


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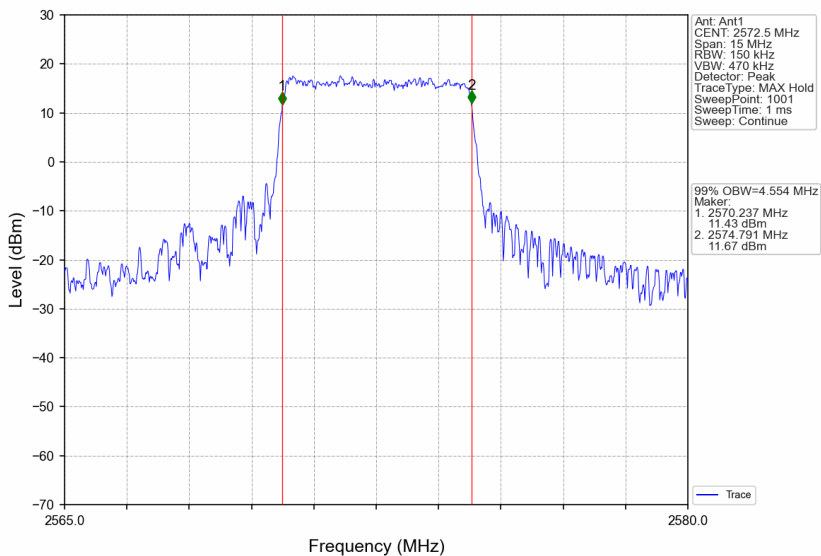
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Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV

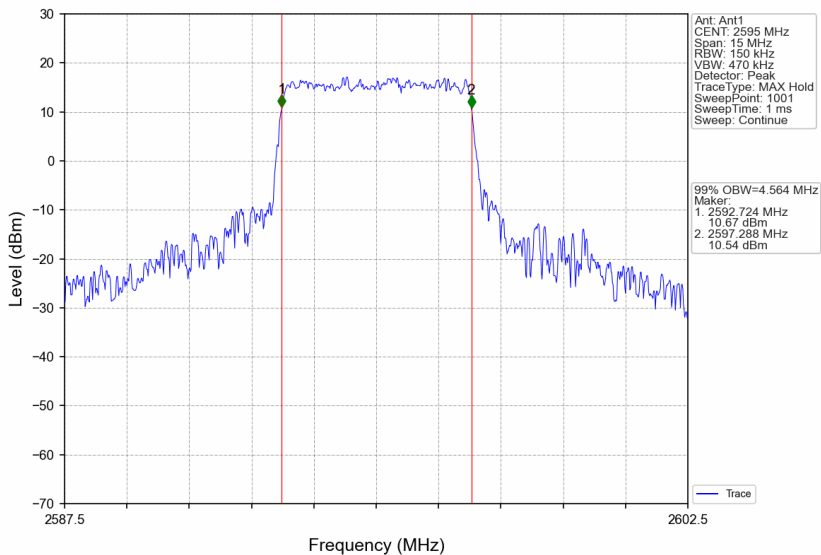


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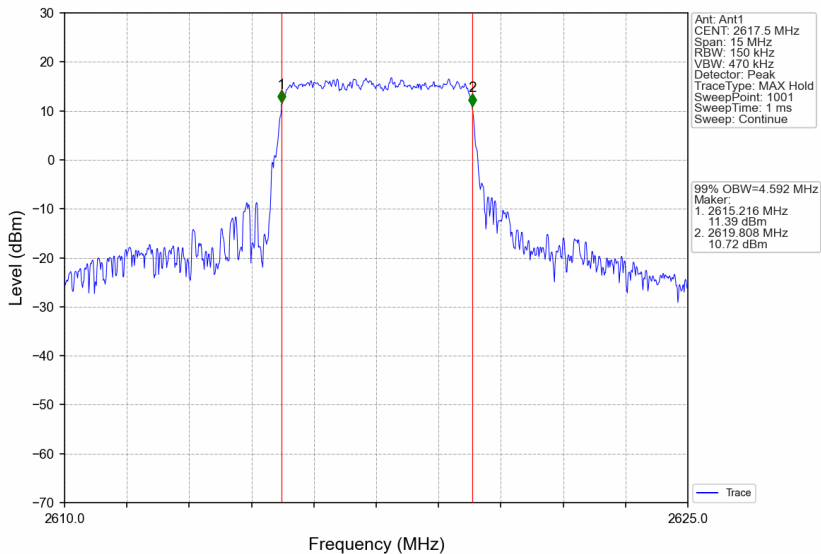
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Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV

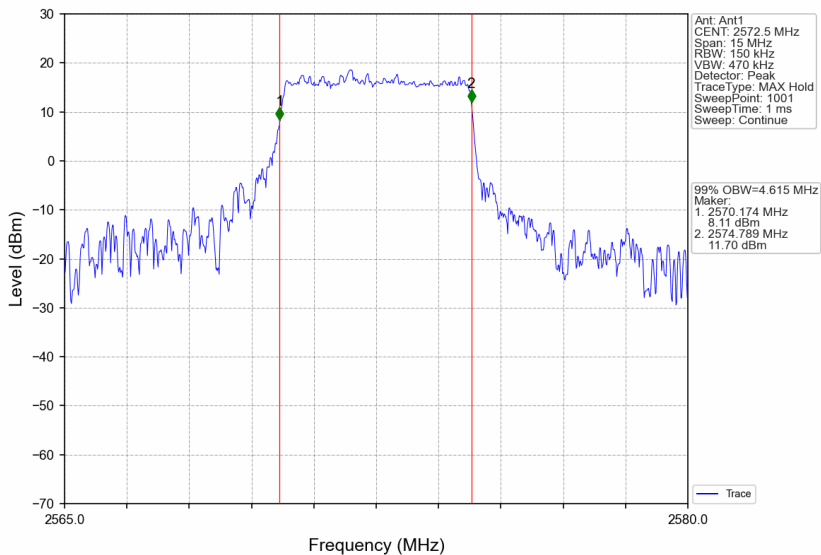


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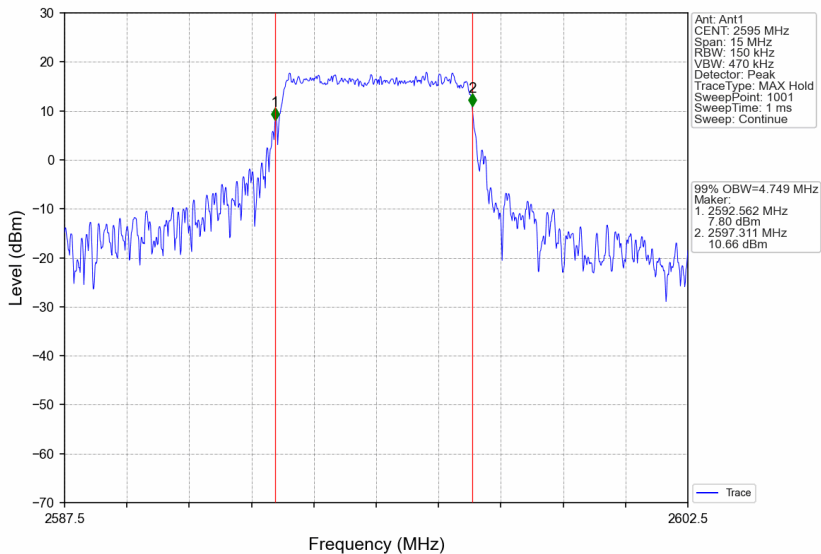
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Band38_5MHz_64QAM_LCH_2572.5MHz_RB_25_0_NTNV



Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



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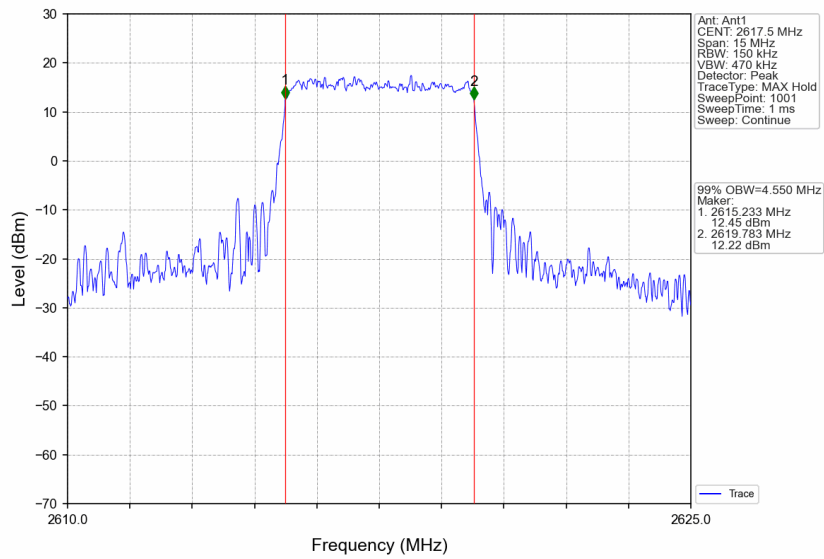
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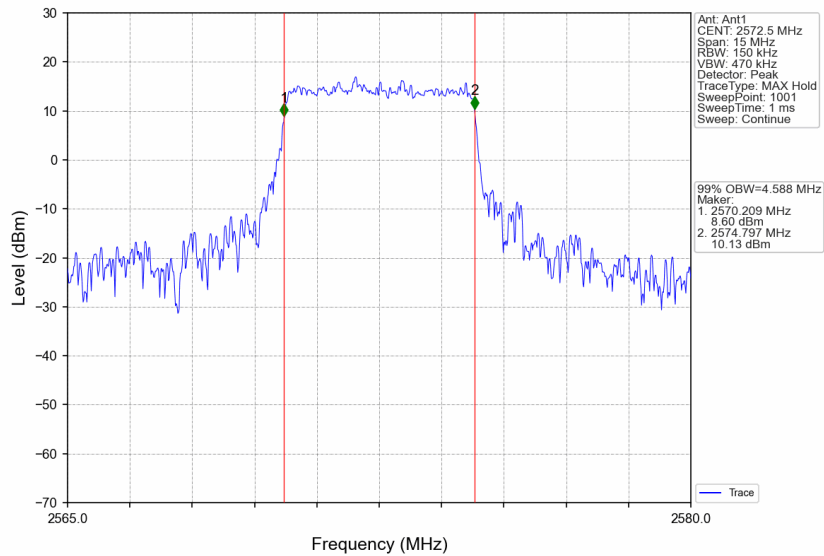
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Band38_5MHz_64QAM_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_256QAM_LCH_2572.5MHz_RB_25_0_NTNV

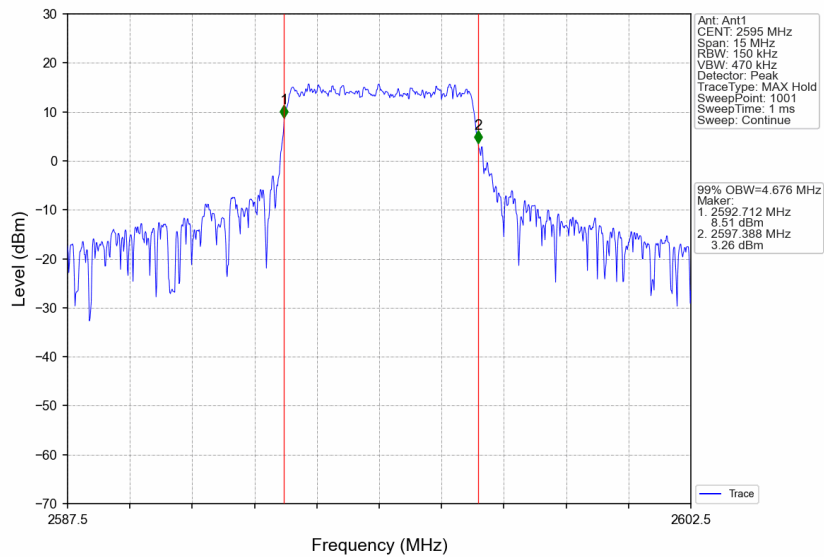


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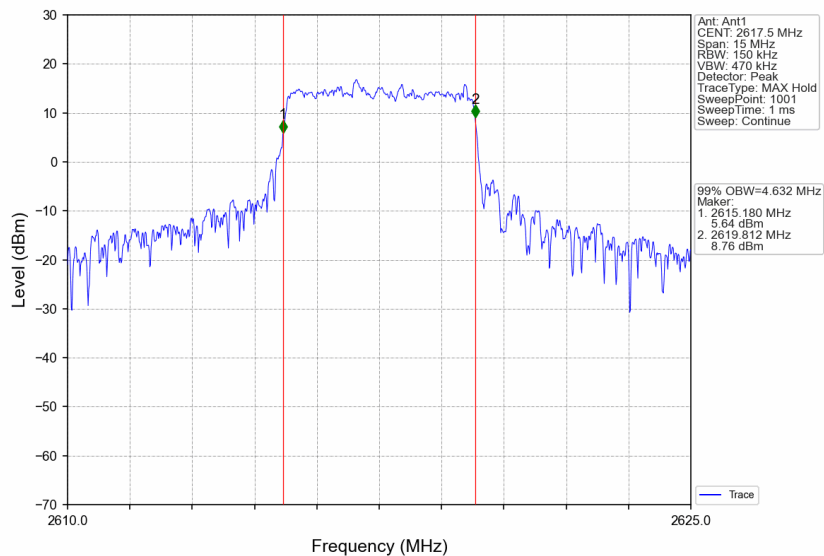
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Band38_5MHz_256QAM_MCH_2595MHz_RB_25_0_NTNV



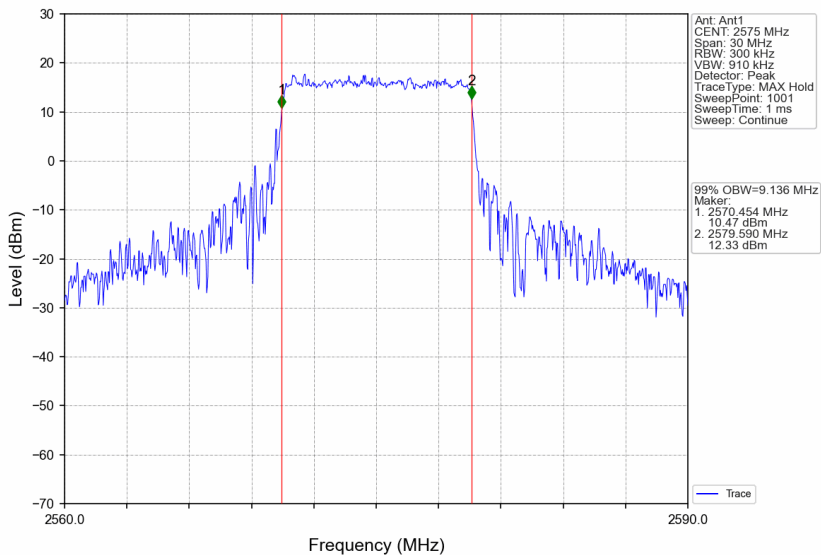
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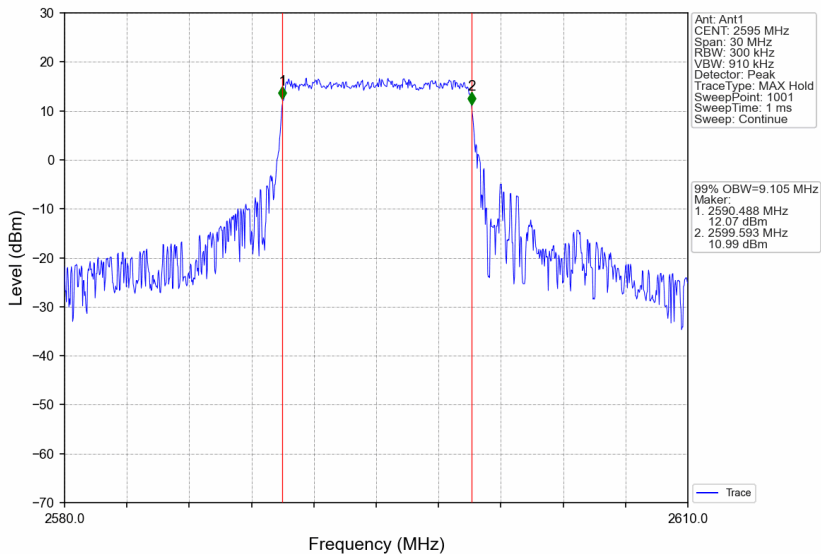
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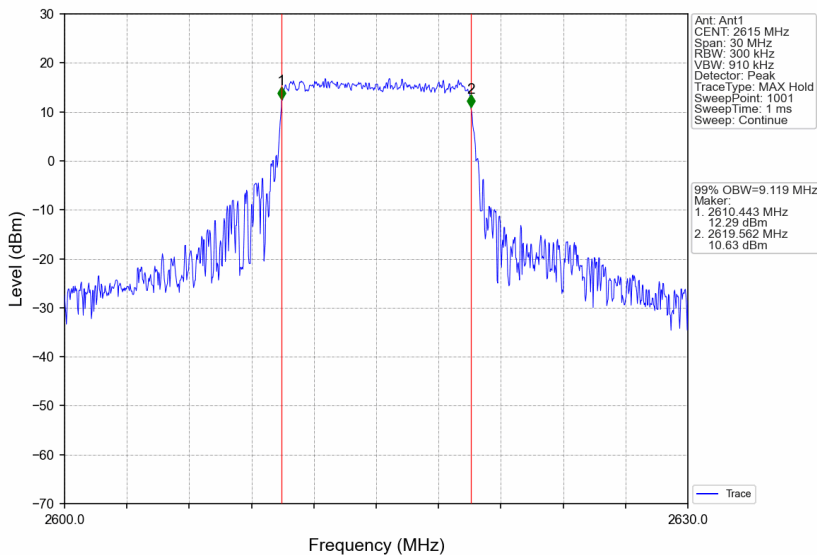
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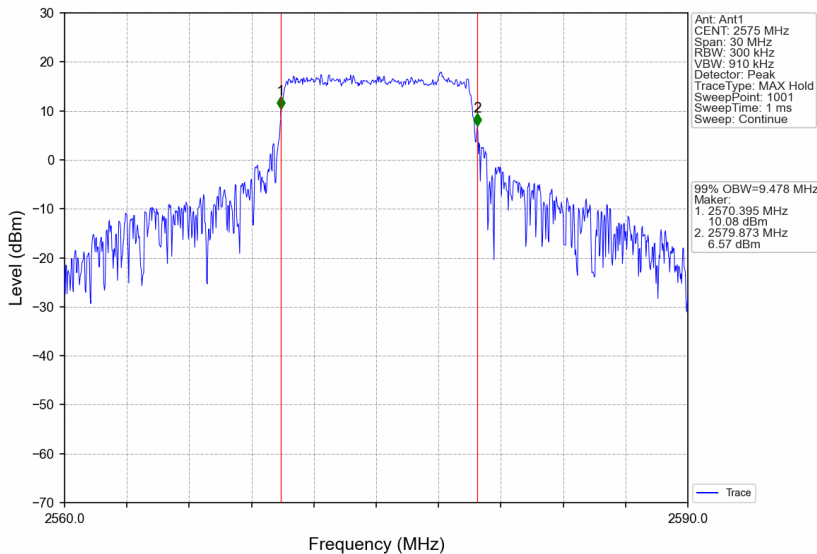
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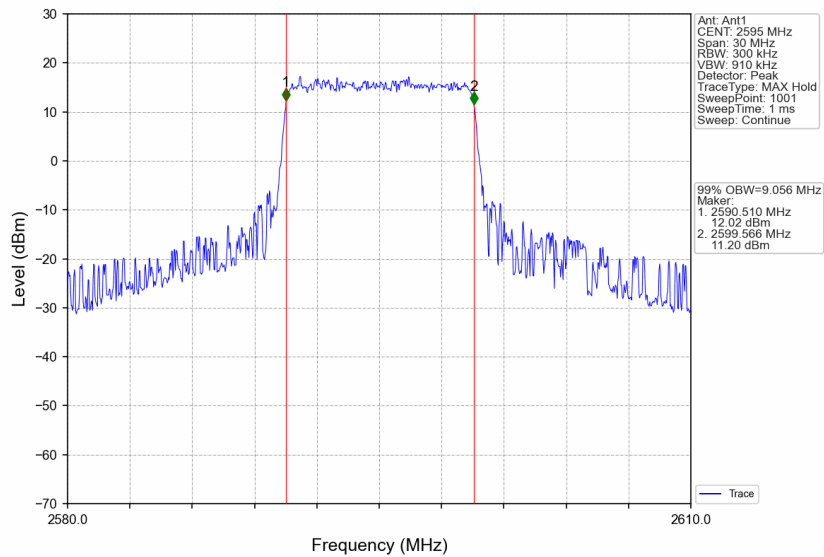
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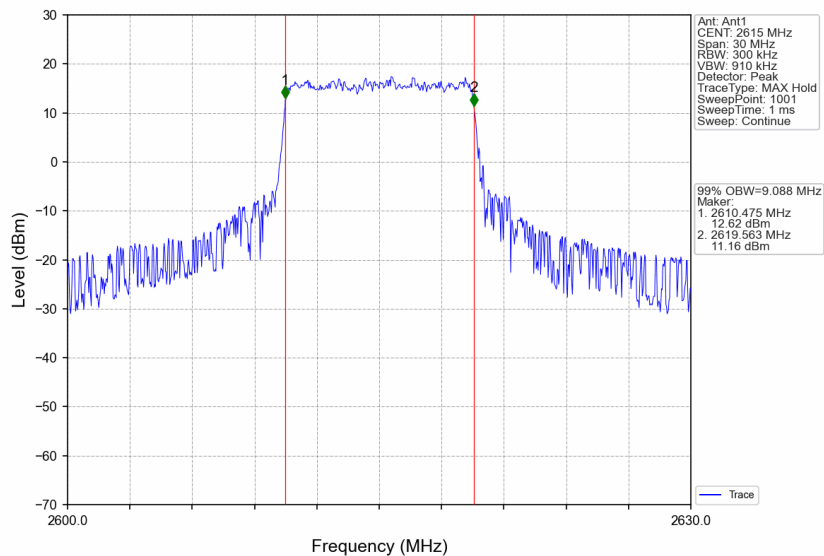
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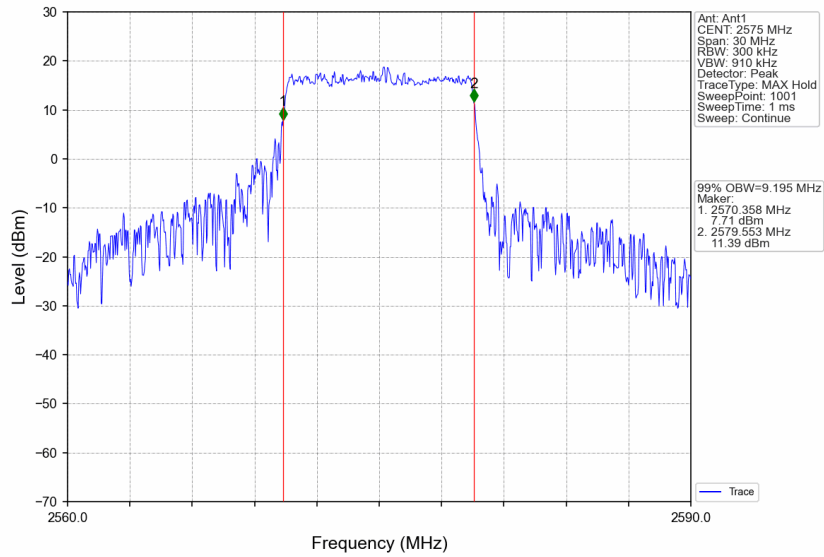
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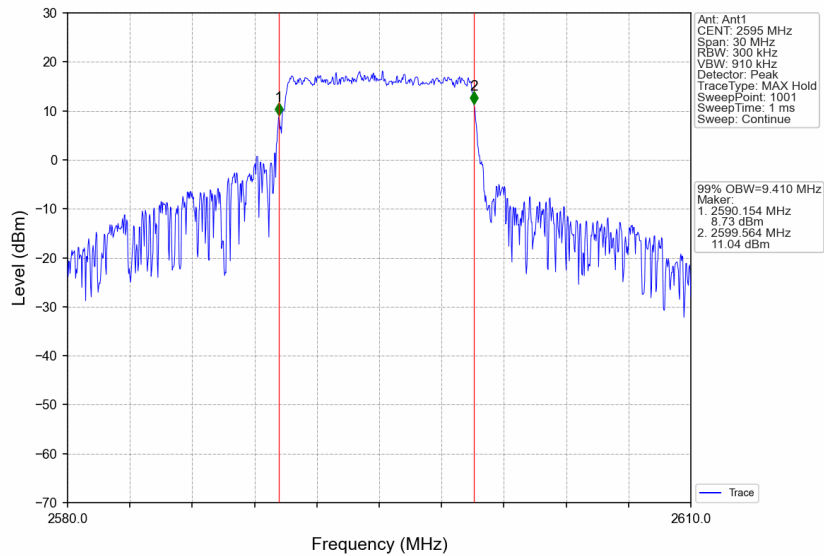
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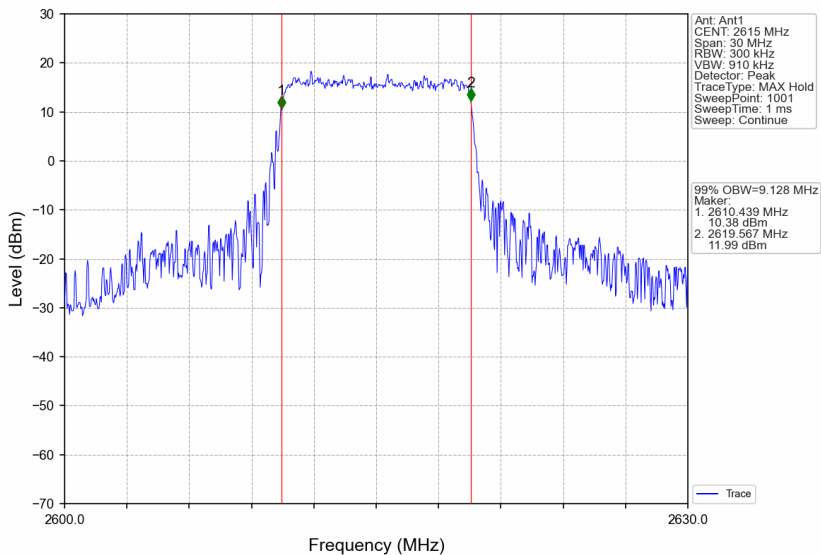
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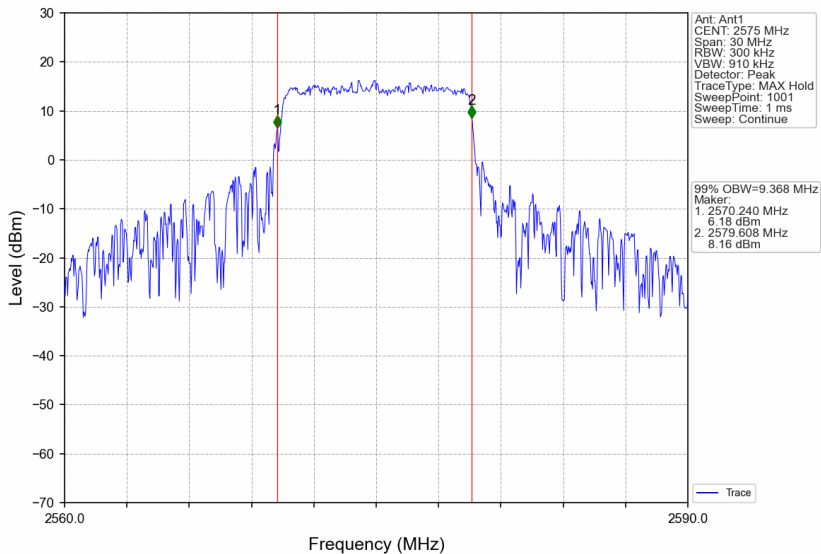
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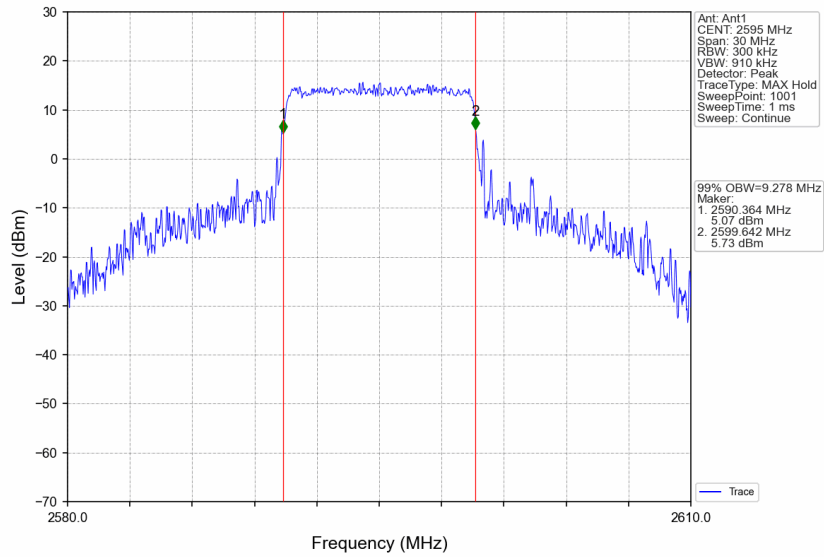


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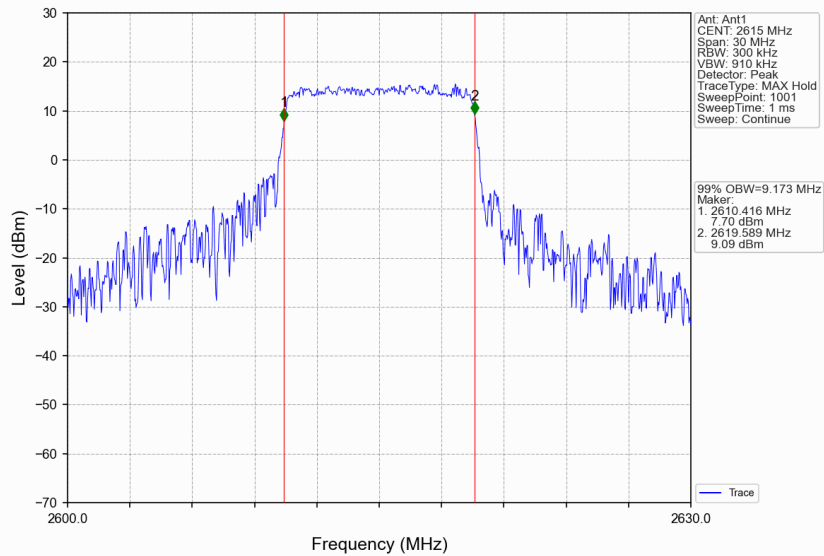
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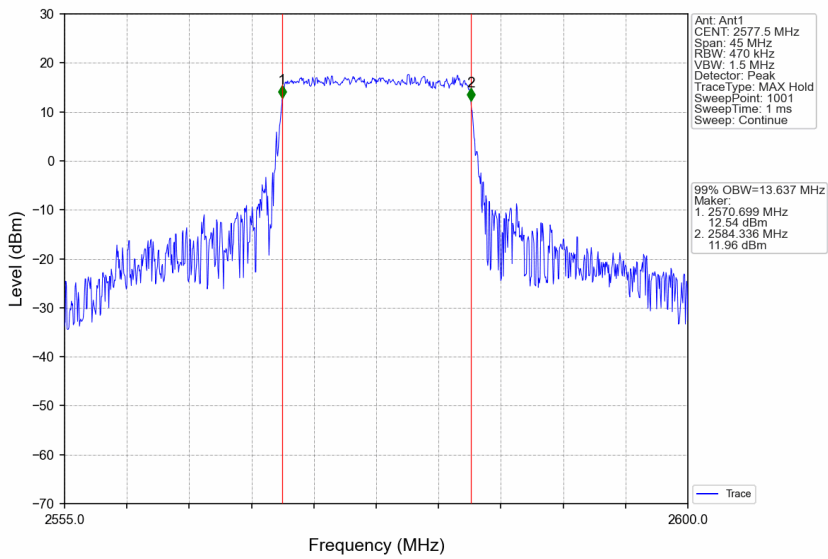
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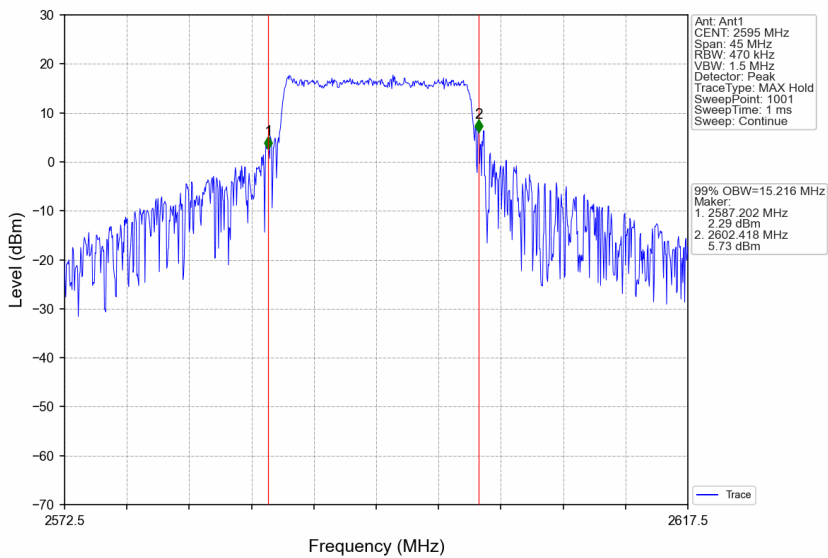
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Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV

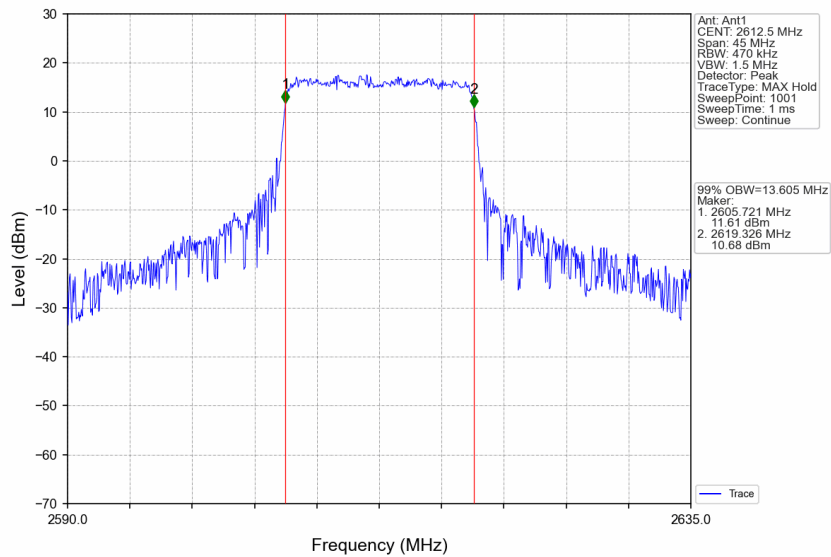


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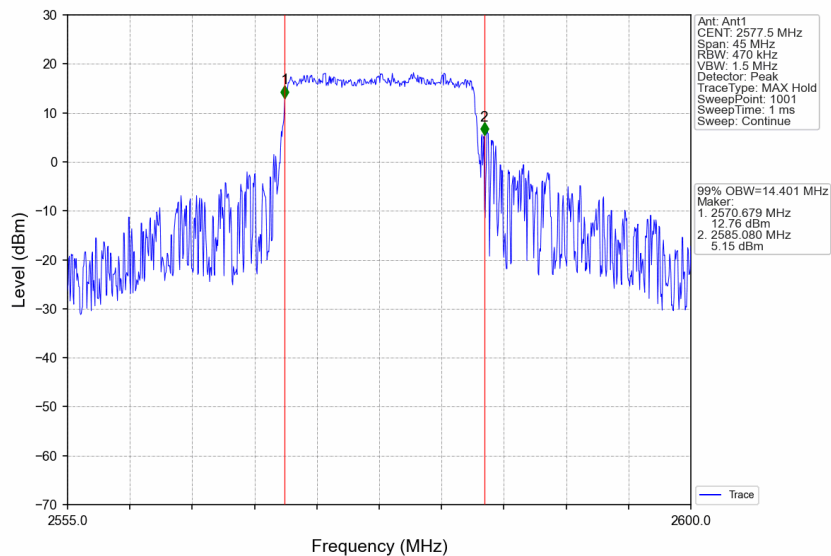
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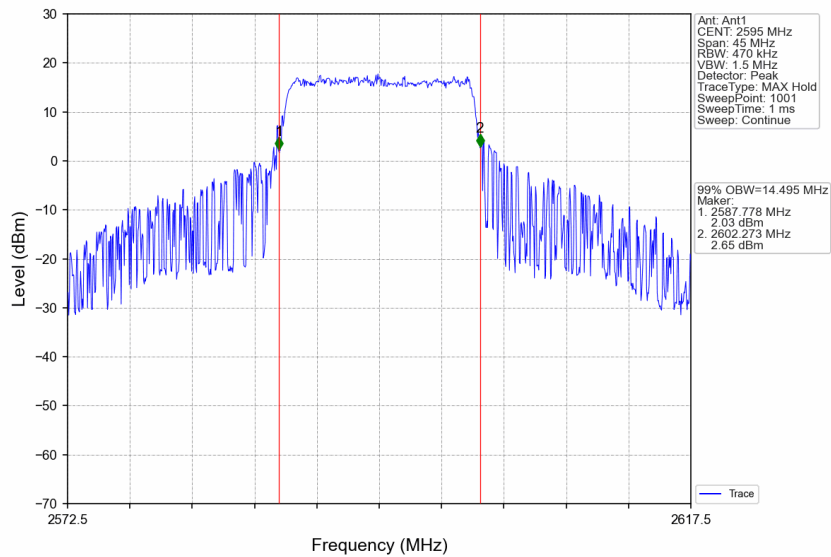
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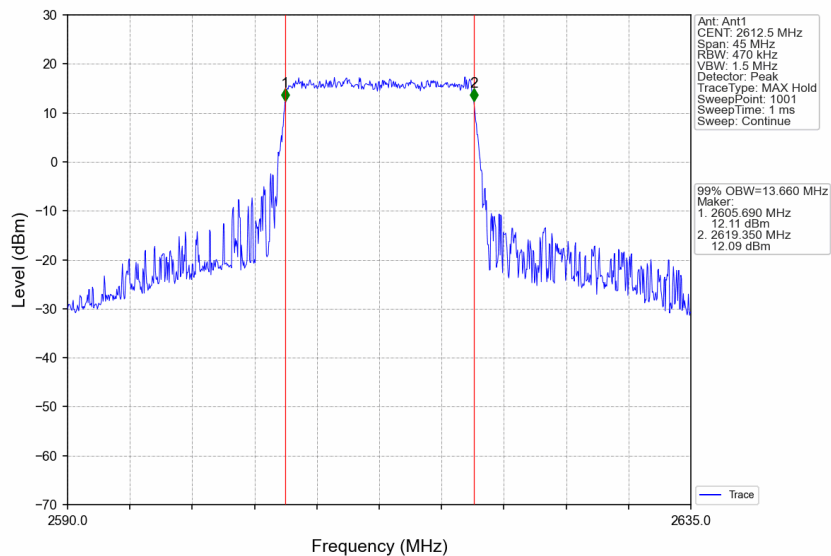
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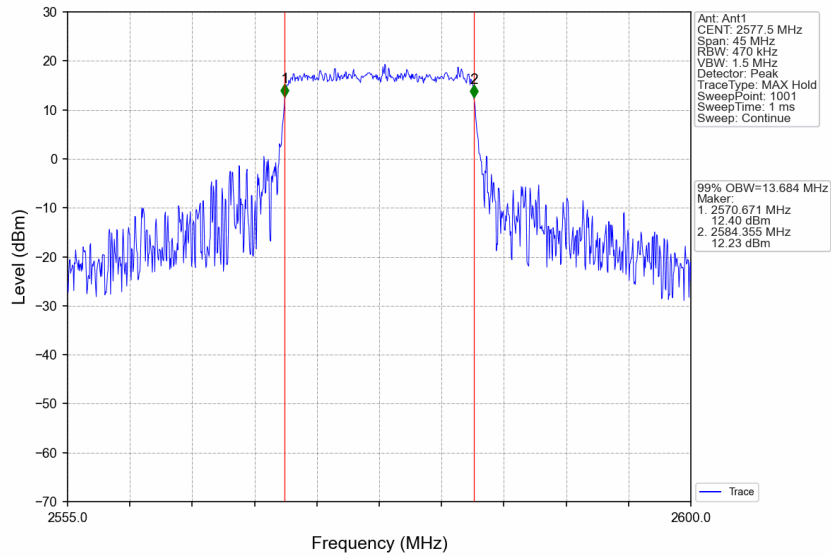
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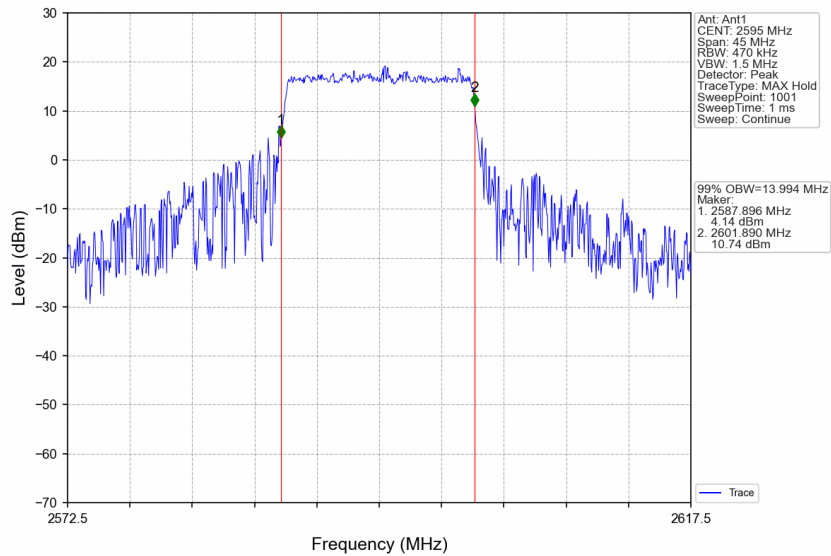
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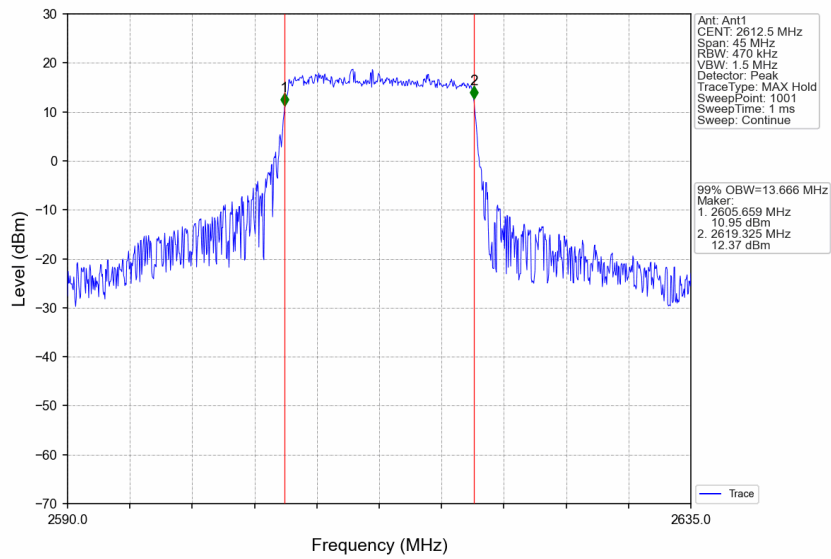
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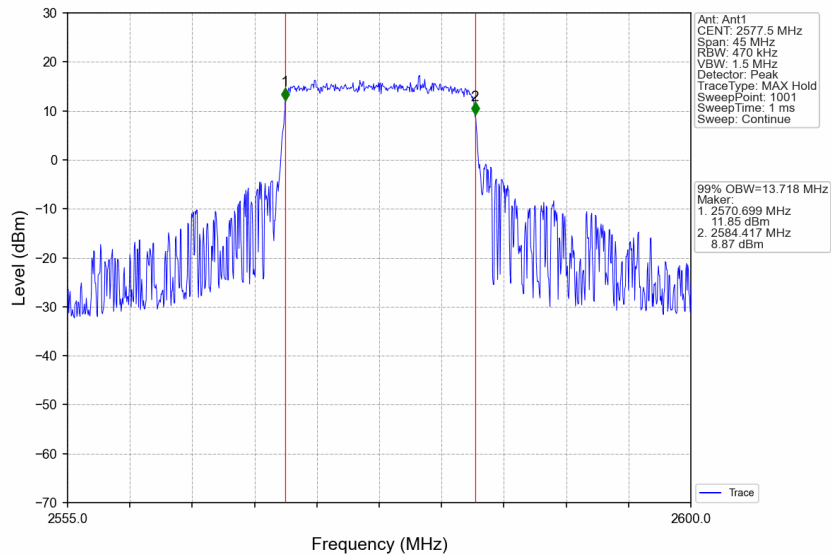
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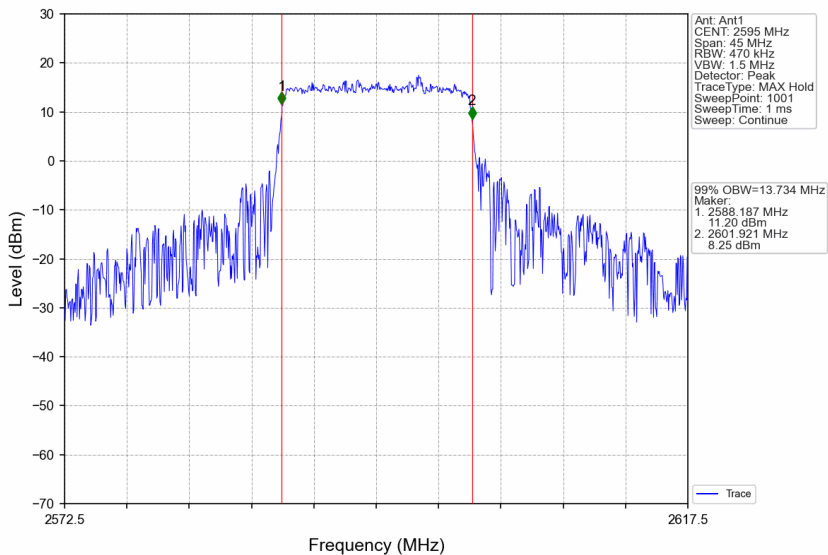


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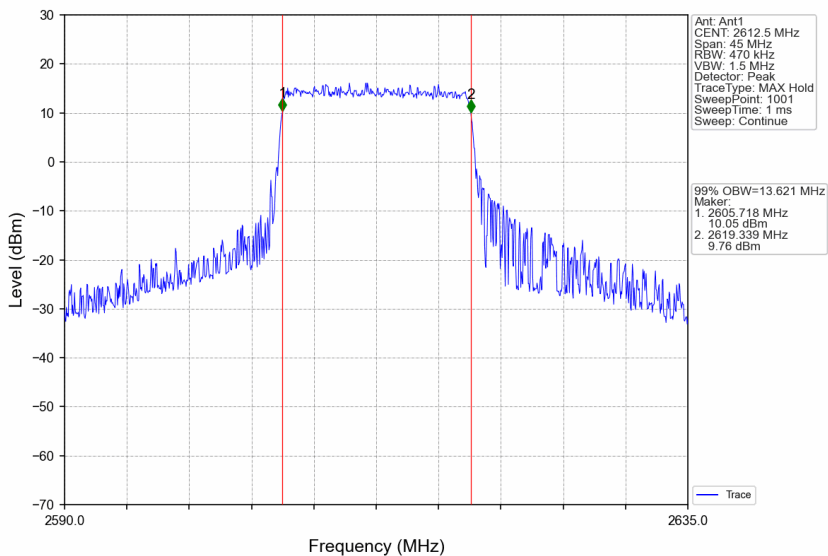
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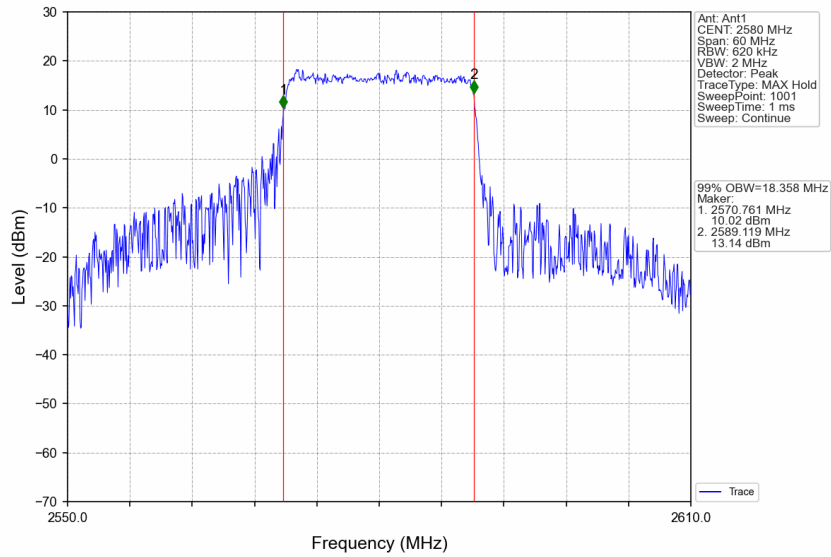
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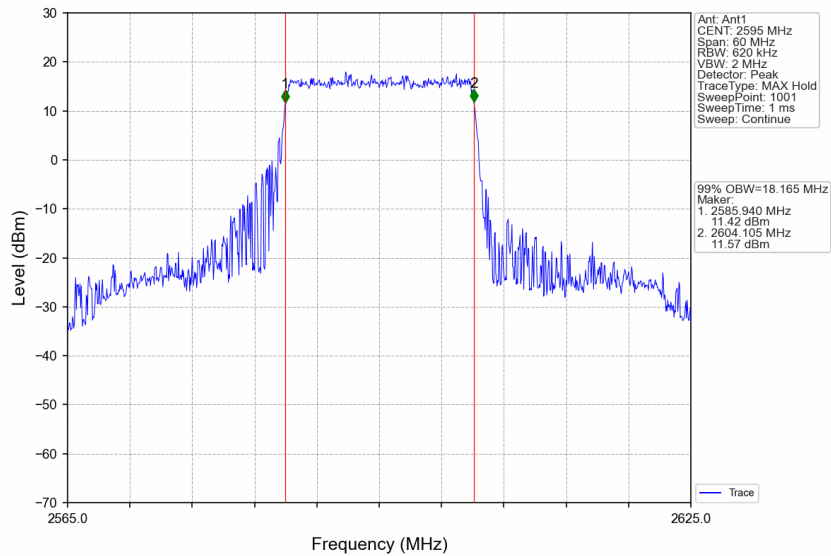
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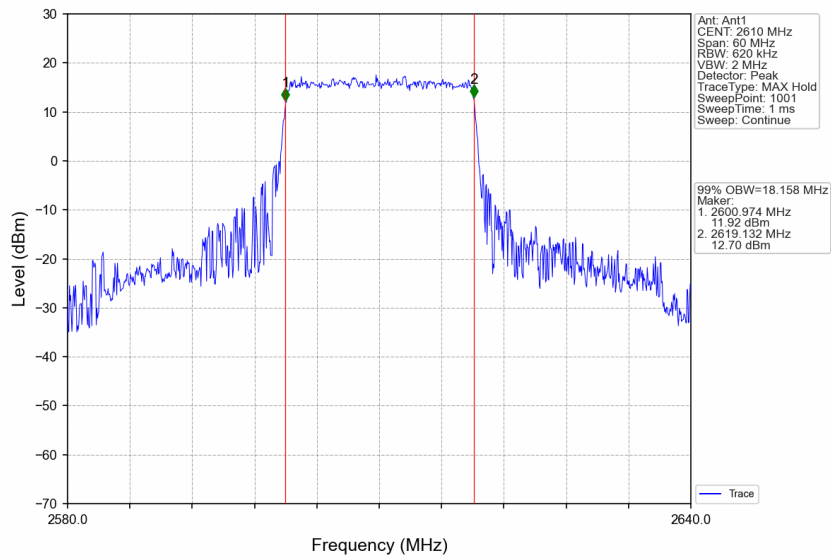


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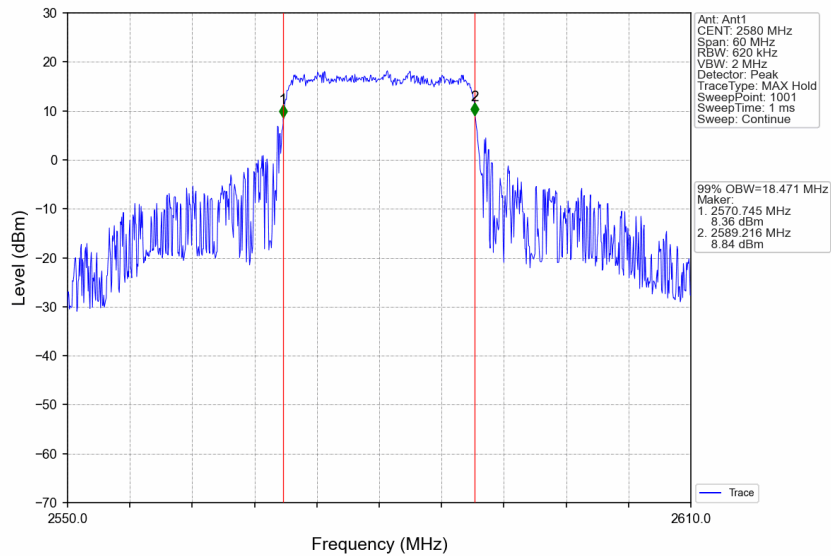
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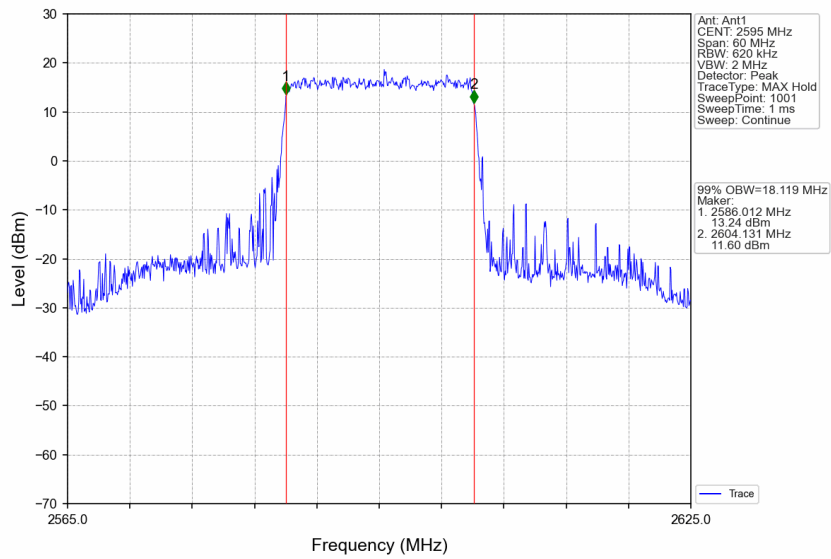


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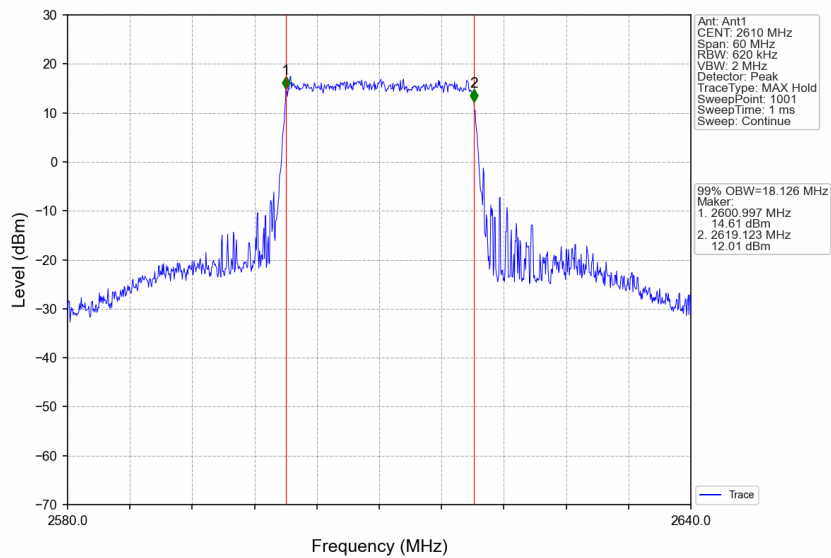
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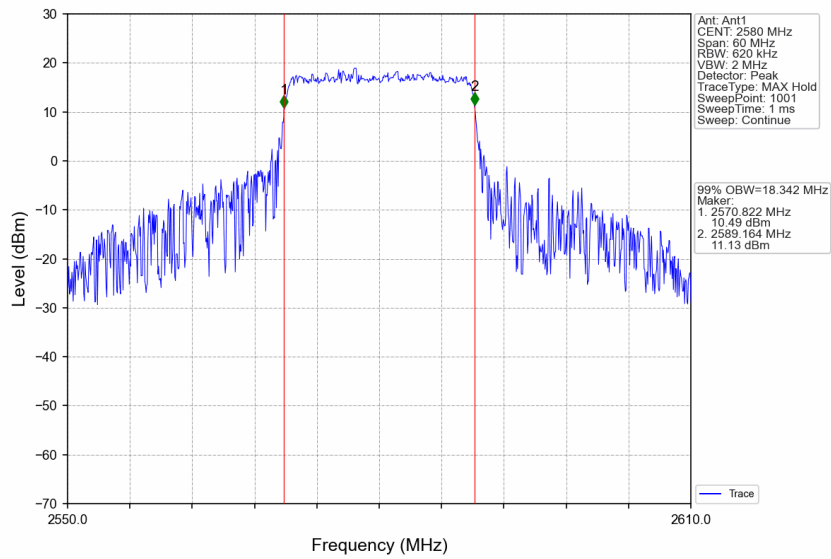


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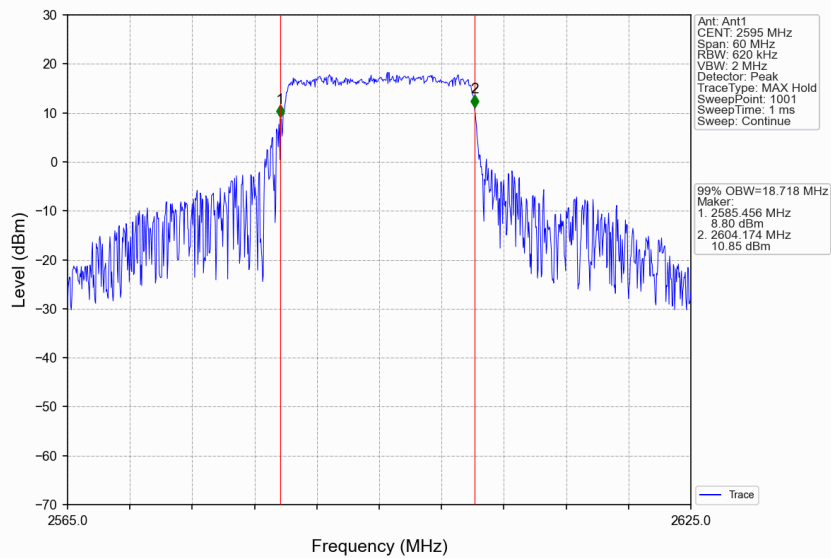
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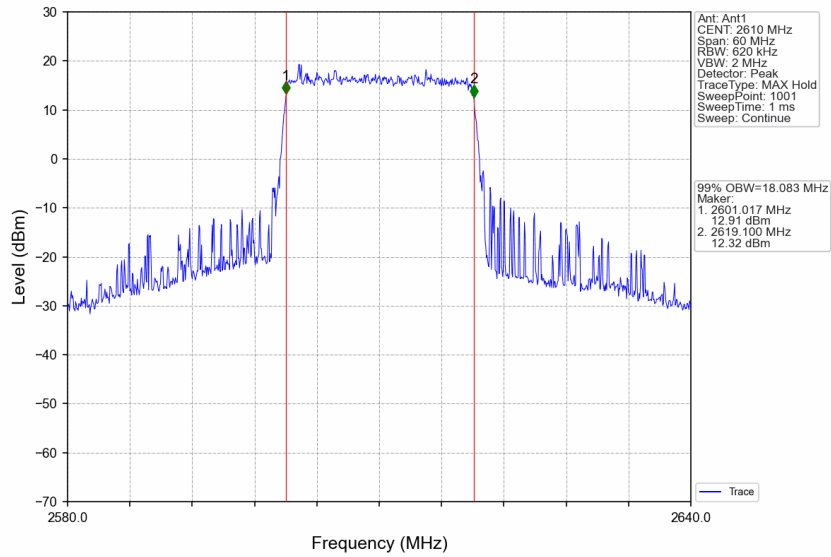
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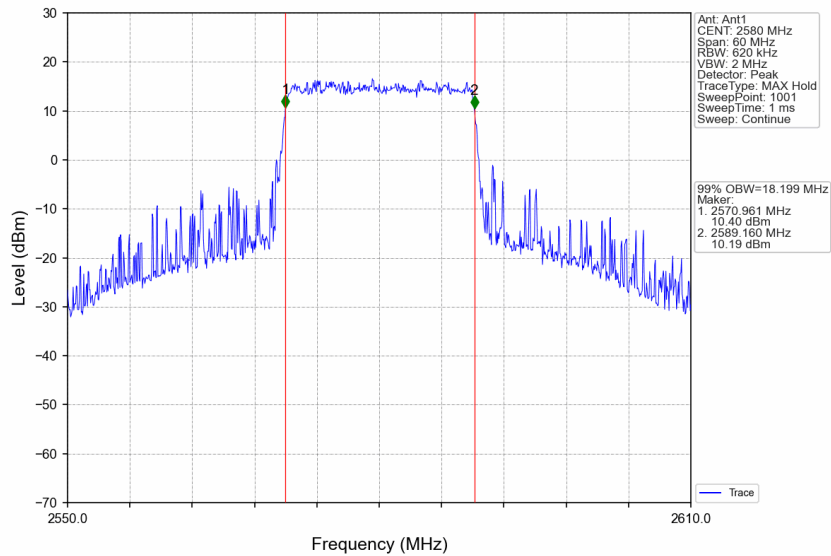
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Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_LCH_2580MHz_RB_100_0_NTNV

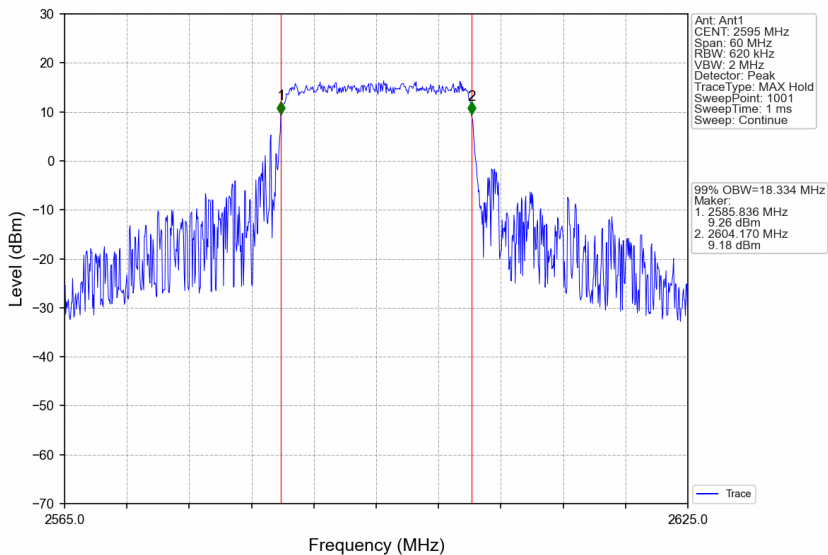


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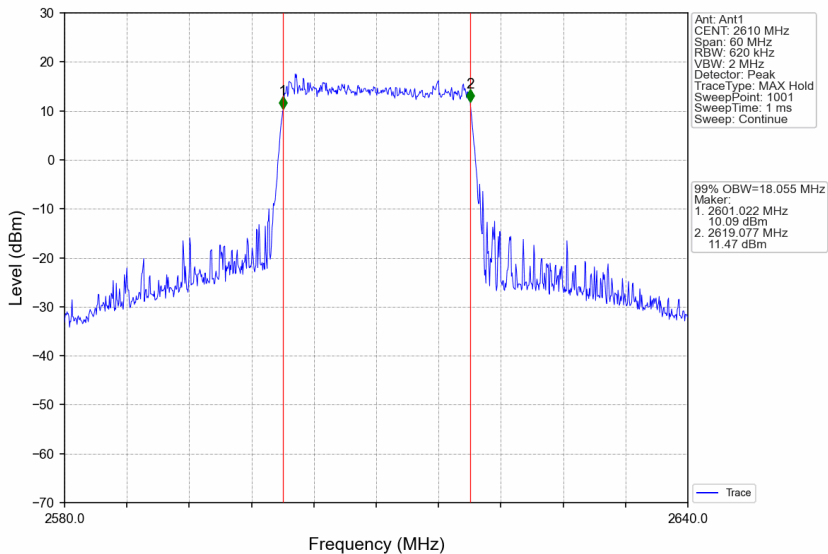
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Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_HCH_2610MHz_RB_100_0_NTNV



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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3.2 Band38_XDB

3.2.1 Test Result

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	6.442	/	Pass
		2595	25	0	5.347	/	Pass
		2617.5	25	0	5.758	/	Pass
	16QAM	2572.5	25	0	6.072	/	Pass
		2595	25	0	5.373	/	Pass
		2617.5	25	0	6.009	/	Pass
	64QAM	2572.5	25	0	6.302	/	Pass
		2595	25	0	7.311	/	Pass
		2617.5	25	0	6.105	/	Pass
	256QAM	2572.5	25	0	6.134	/	Pass
		2595	25	0	8.285	/	Pass
		2617.5	25	0	6.971	/	Pass
10	QPSK	2575	50	0	13.360	/	Pass
		2595	50	0	13.139	/	Pass
		2615	50	0	12.252	/	Pass
	16QAM	2575	50	0	18.584	/	Pass
		2595	50	0	11.239	/	Pass
		2615	50	0	12.317	/	Pass
	64QAM	2575	50	0	13.946	/	Pass
		2595	50	0	17.682	/	Pass
		2615	50	0	11.236	/	Pass
	256QAM	2575	50	0	18.737	/	Pass
		2595	50	0	19.540	/	Pass
		2615	50	0	14.827	/	Pass
15	QPSK	2577.5	75	0	16.568	/	Pass
		2595	75	0	31.233	/	Pass
		2612.5	75	0	17.209	/	Pass
	16QAM	2577.5	75	0	30.530	/	Pass
		2595	75	0	31.931	/	Pass
		2612.5	75	0	17.930	/	Pass
	64QAM	2577.5	75	0	23.697	/	Pass
		2595	75	0	29.535	/	Pass
		2612.5	75	0	17.337	/	Pass
	256QAM	2577.5	75	0	22.677	/	Pass
		2595	75	0	21.681	/	Pass
		2612.5	75	0	17.126	/	Pass
20	QPSK	2580	100	0	29.890	/	Pass
		2595	100	0	23.185	/	Pass
		2610	100	0	22.900	/	Pass



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	16QAM	2580	100	0	40.810	/	Pass
		2595	100	0	21.546	/	Pass
		2610	100	0	22.138	/	Pass
	64QAM	2580	100	0	38.507	/	Pass
		2595	100	0	38.463	/	Pass
		2610	100	0	20.994	/	Pass
	256QAM	2580	100	0	36.530	/	Pass
		2595	100	0	35.715	/	Pass
		2610	100	0	20.047	/	Pass



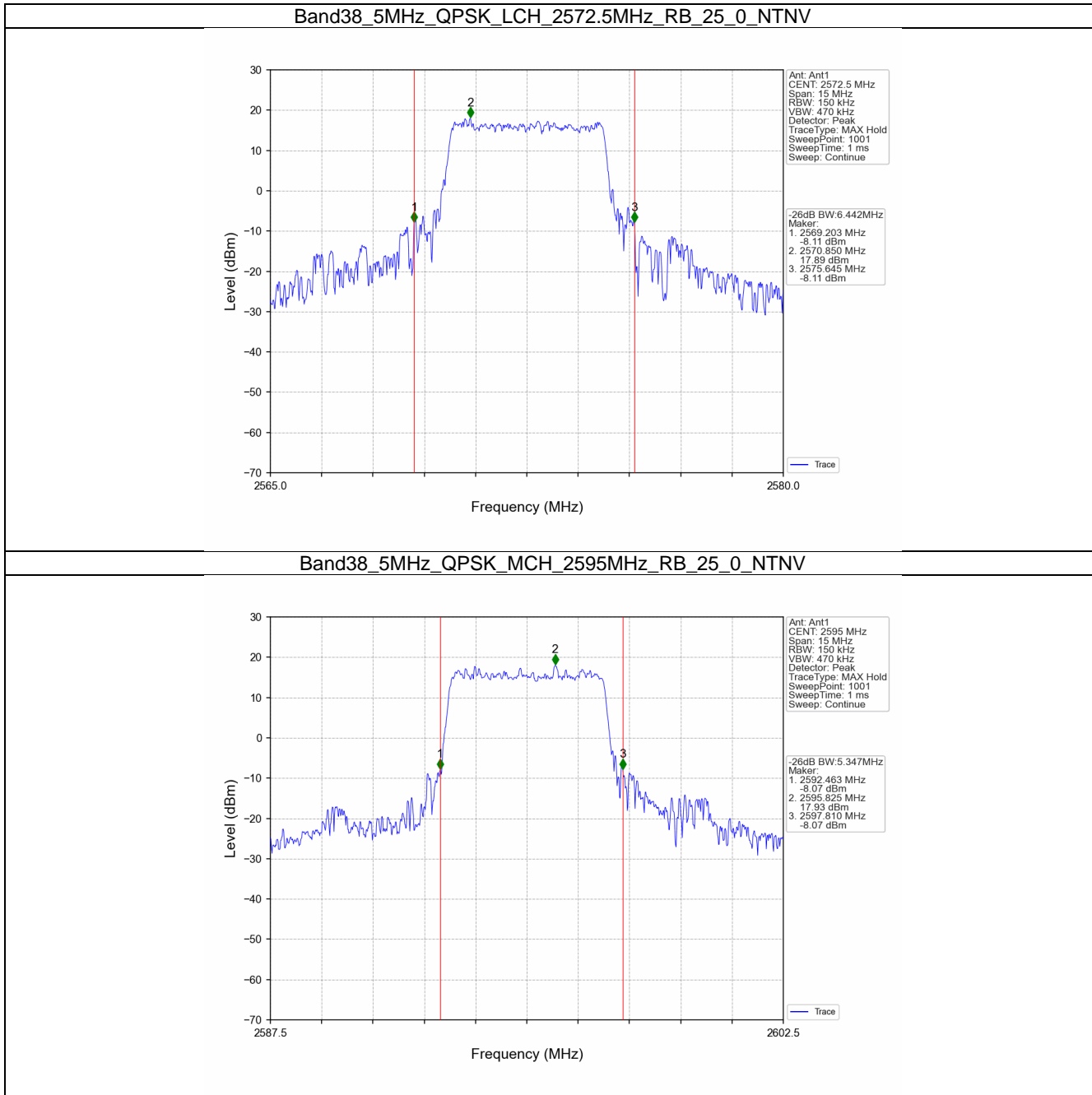
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3.2.2 Test Graph

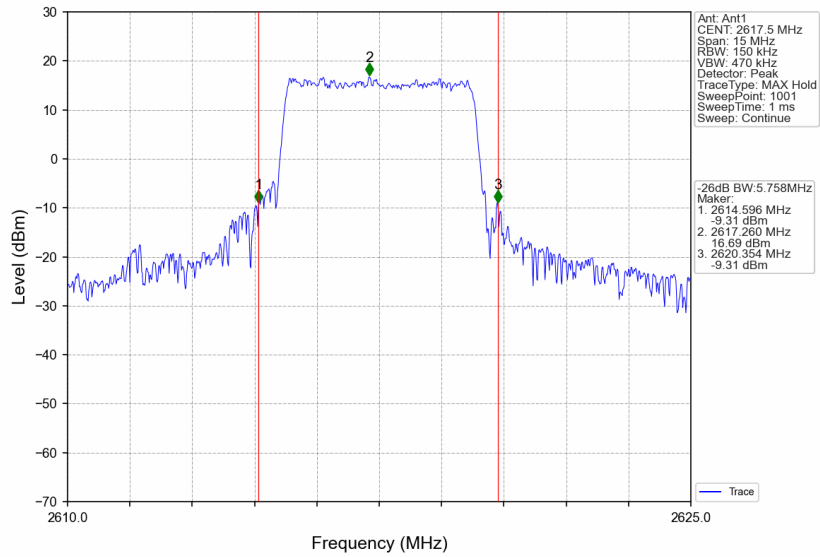


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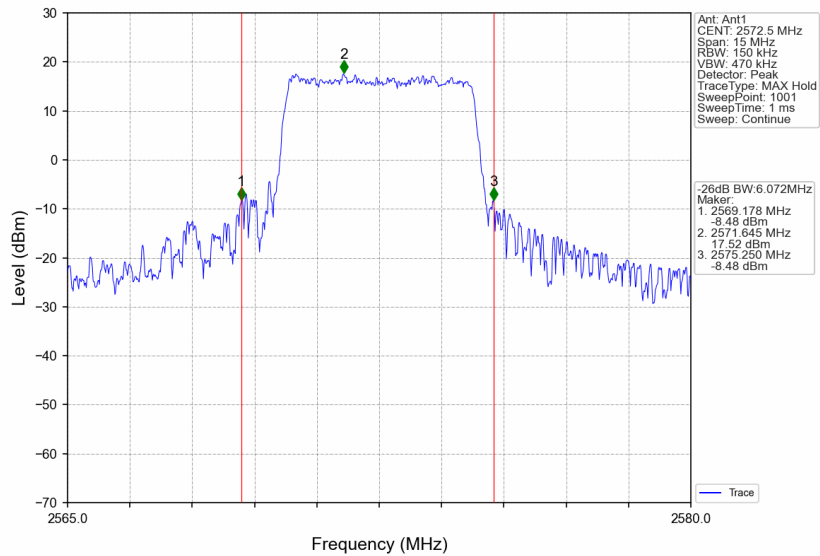
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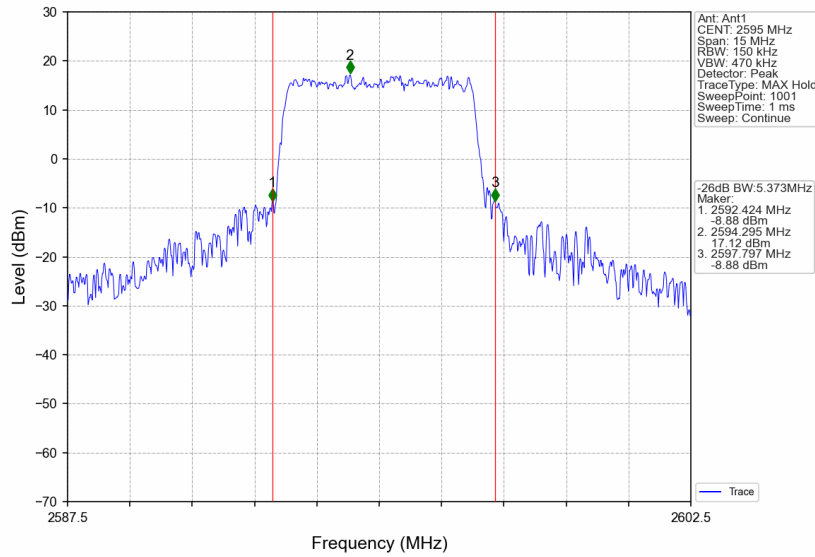


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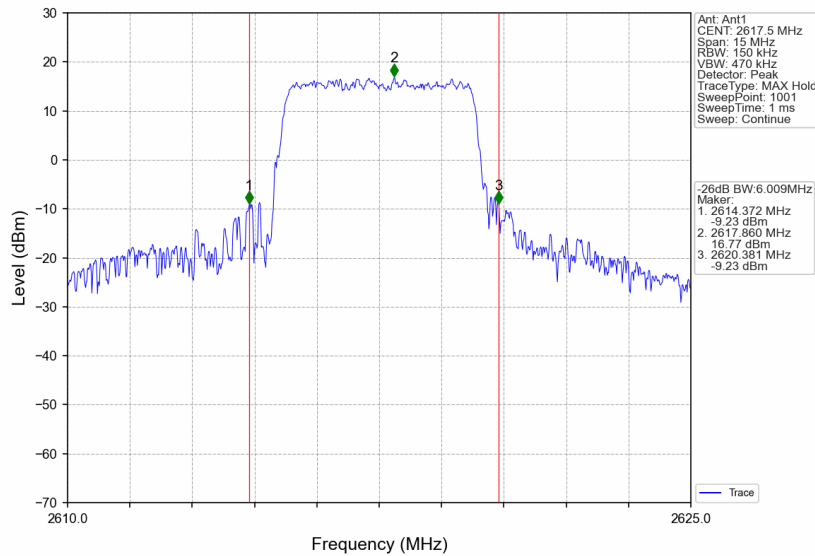
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