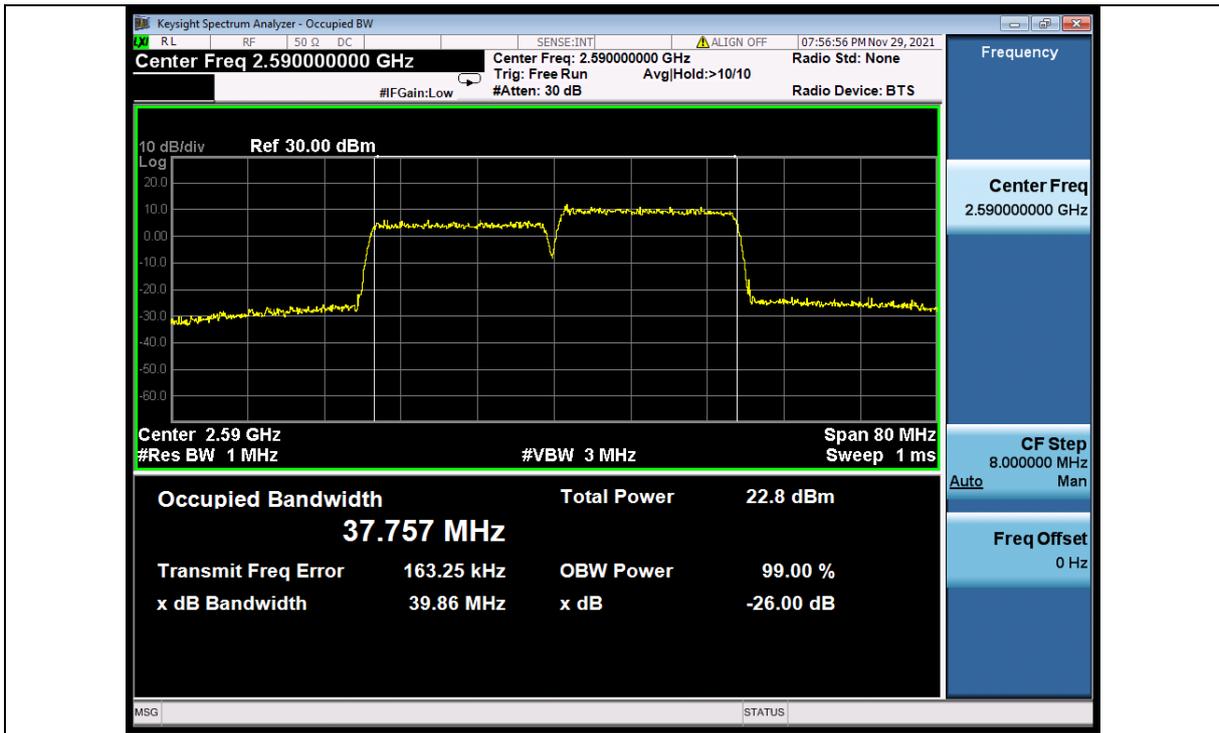


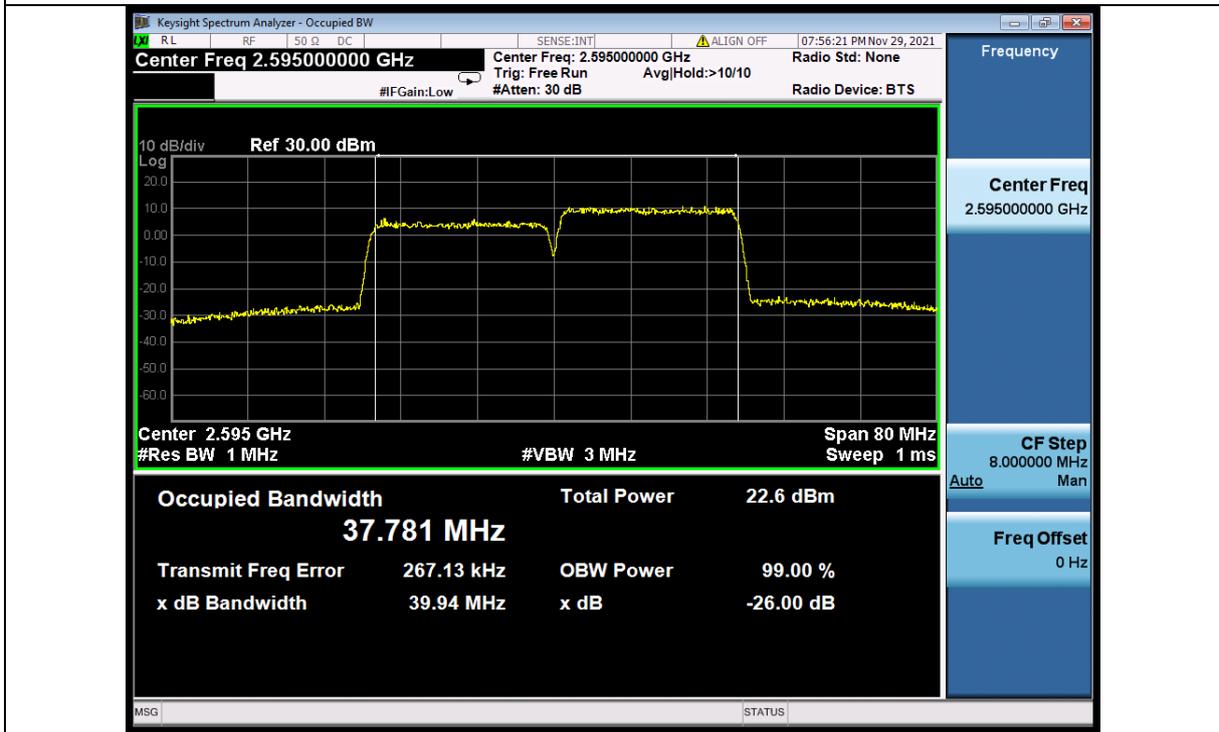


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



Band_38C_20MHz+20MHz_64QAM_MCH_NTNV

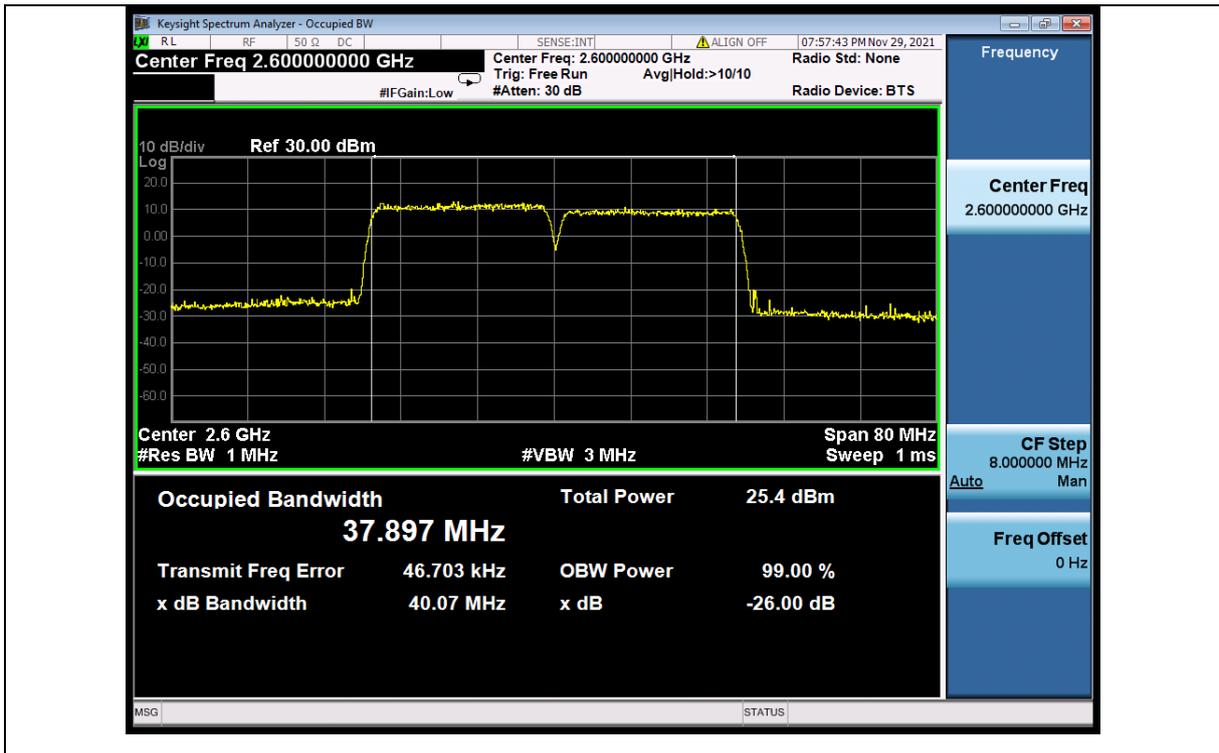


Band_38C_20MHz+20MHz_64QAM_HCH_NTNV



BUREAU
VERITAS

Test Report No.: W7L-P21100027RF16





Test Report No.: W7L-P21100027RF16

SPURIOUS EMISSION

TEST RESULT

Band: 38C / Bandwidth: 15MHz+15MHz / NTNV							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1/1	0/74	Refer To Test Graph	Pass			
	FULL	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1/1	74/0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1/1	0/74	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	FULL	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1/1	74/0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1/1	0/74	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	FULL	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1/1	74/0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
Band: 38C / Bandwidth: 20MHz+20MHz / NTNV							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1/1	0/99	Refer To Test Graph	Pass			
	FULL	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1/1	99/0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1/1	0/99	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	FULL	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1/1	99/0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass



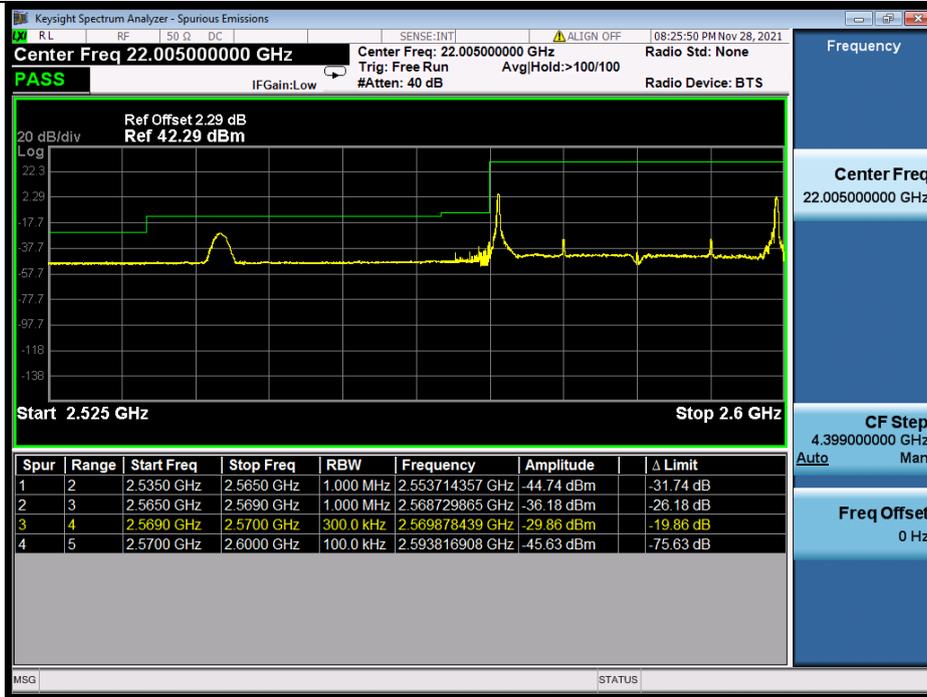
BUREAU
VERITAS

Test Report No.: W7L-P21100027RF16

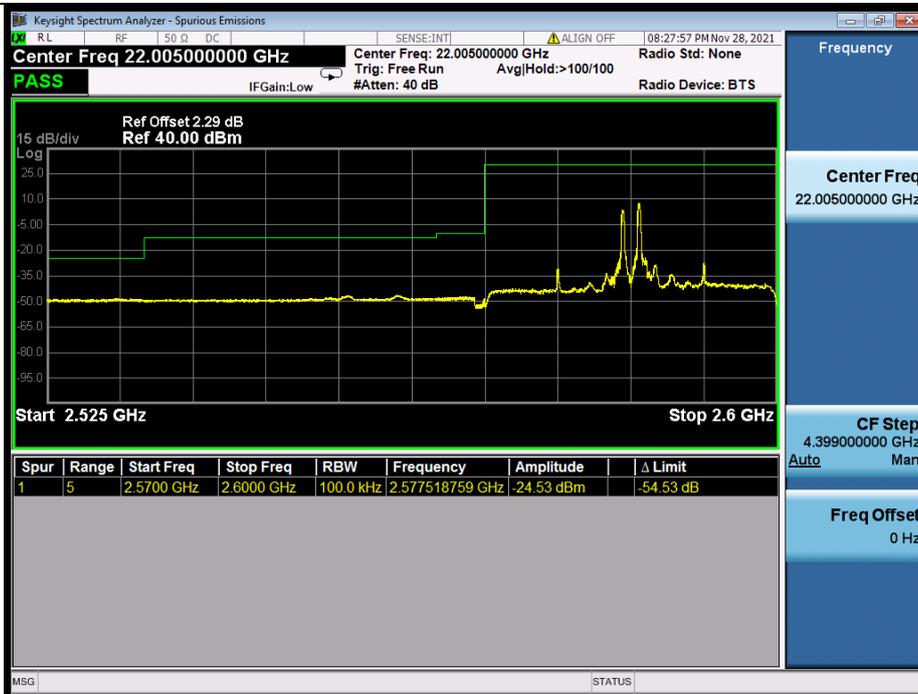
			Graph		Graph	Graph	
64QAM	1/1	0/99	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	FULL	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1/1	99/0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1/1	0/99	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	FULL	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1/1	99/0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass

TEST GRAPH

Band_38C_QPSK_LCH_15MHz+15MHz_RB_1_0/1_74_NTNV



Band_38C_QPSK_LCH_15MHz+15MHz_RB_1_74/1_0_NTNV

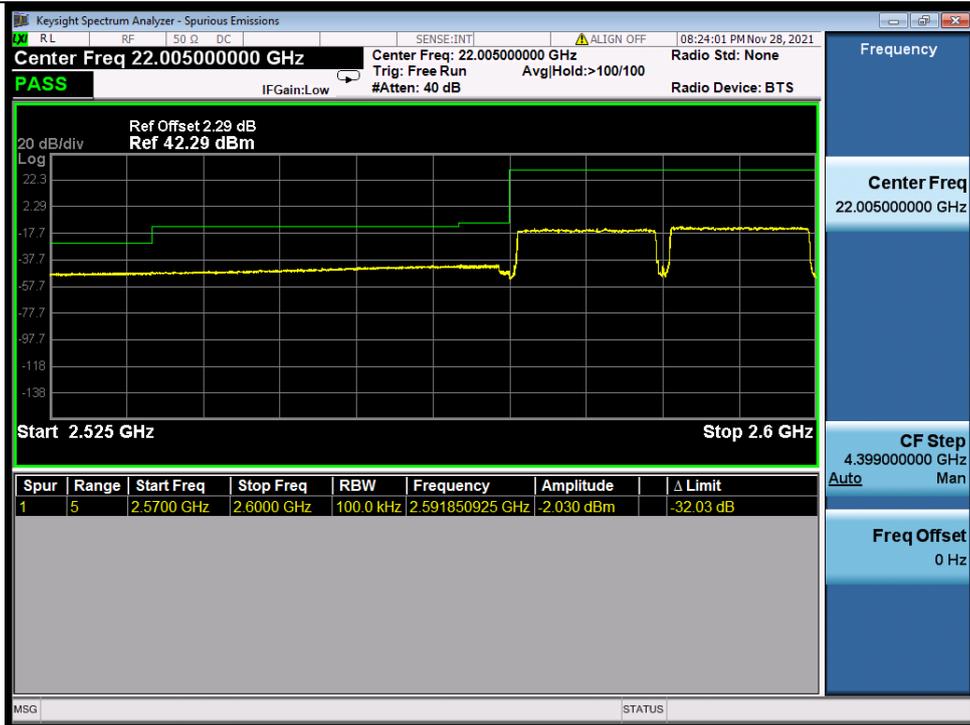


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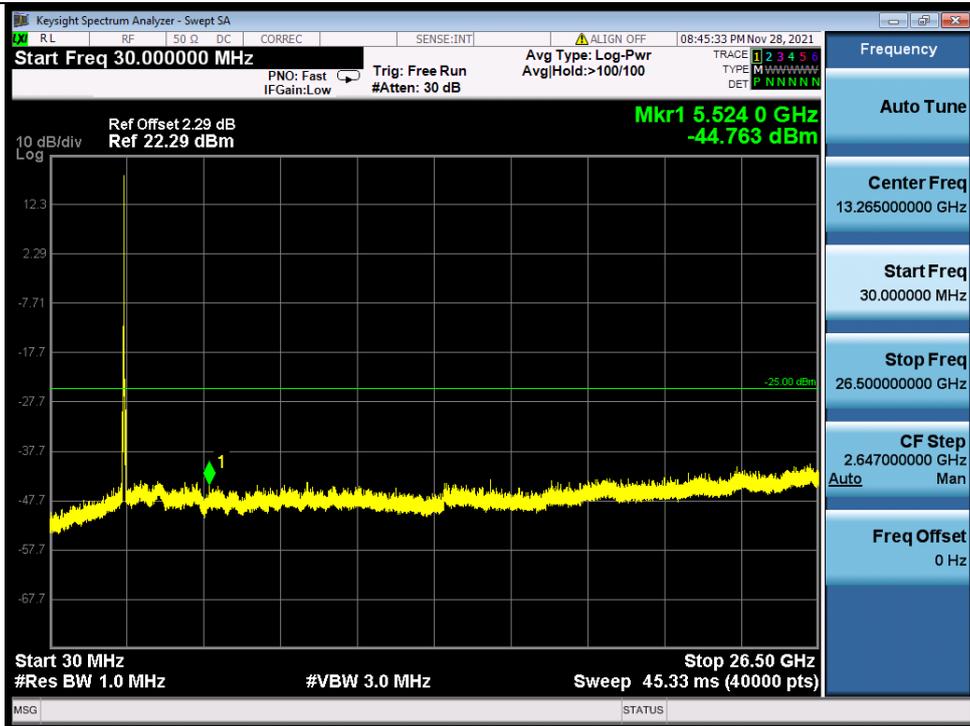


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



Band_38C_QPSK_LCH_15MHz+15MHz_NTNV

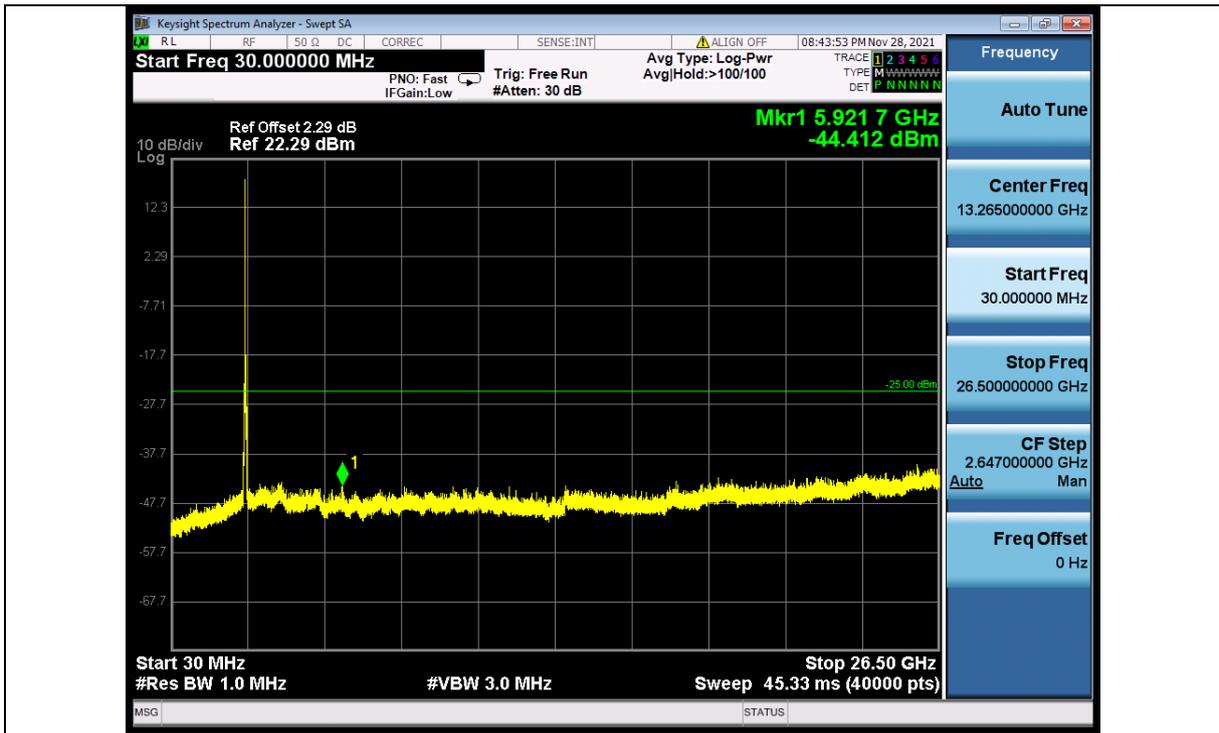


Band_38C_QPSK_MCH_15MHz+15MHz_NTNV

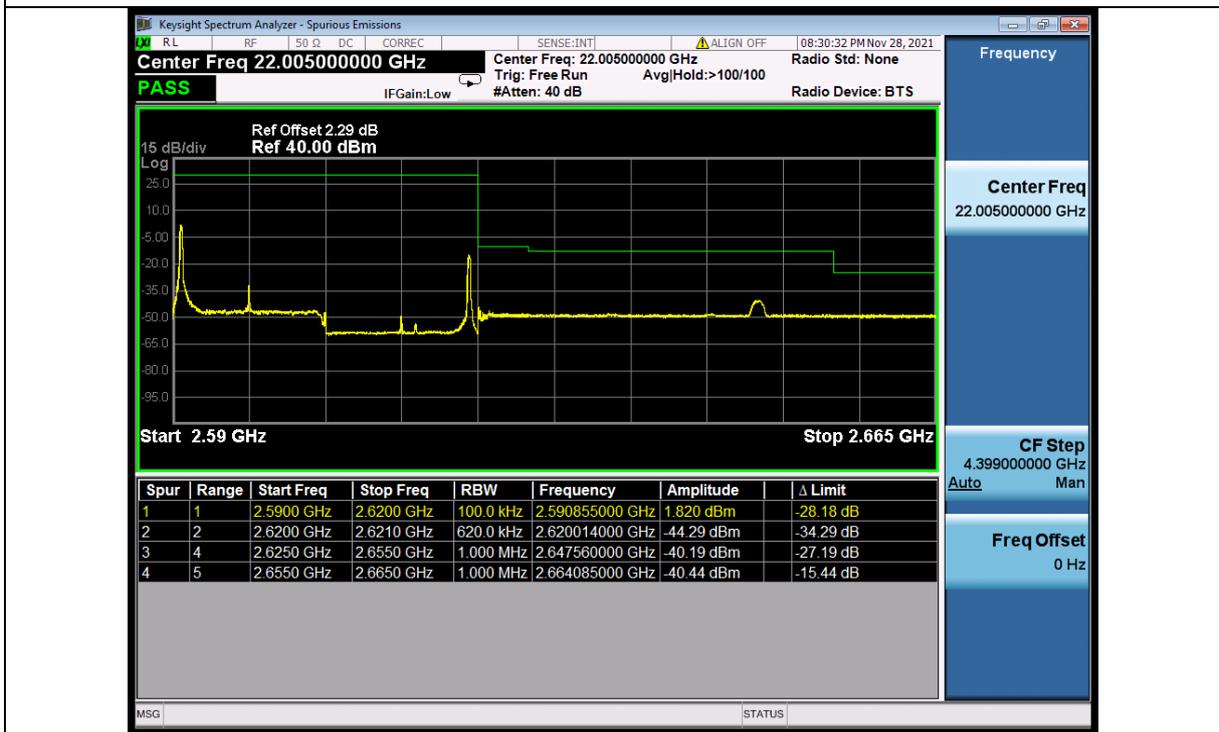


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VERITAS**

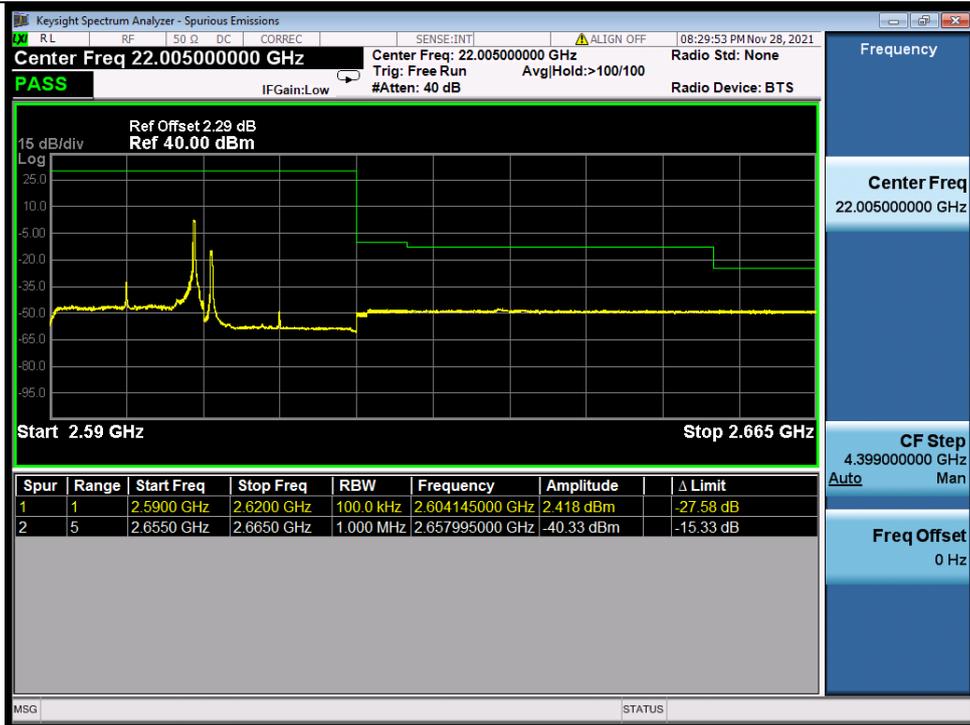
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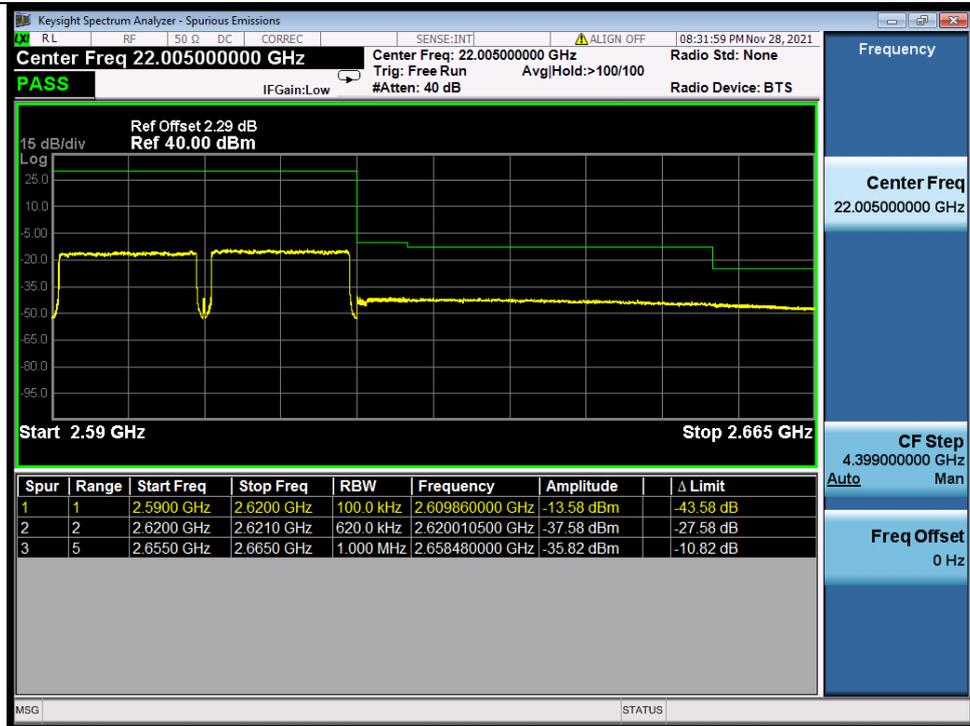
Band_38C_QPSK_HCH_15MHz+15MHz_RB_1_0/1_74_NTNV



Band_38C_QPSK_HCH_15MHz+15MHz_RB_1_74/1_0_NTNV



Band_38C_QPSK_HCH_15MHz+15MHz_RB_FULL_0_NTNV

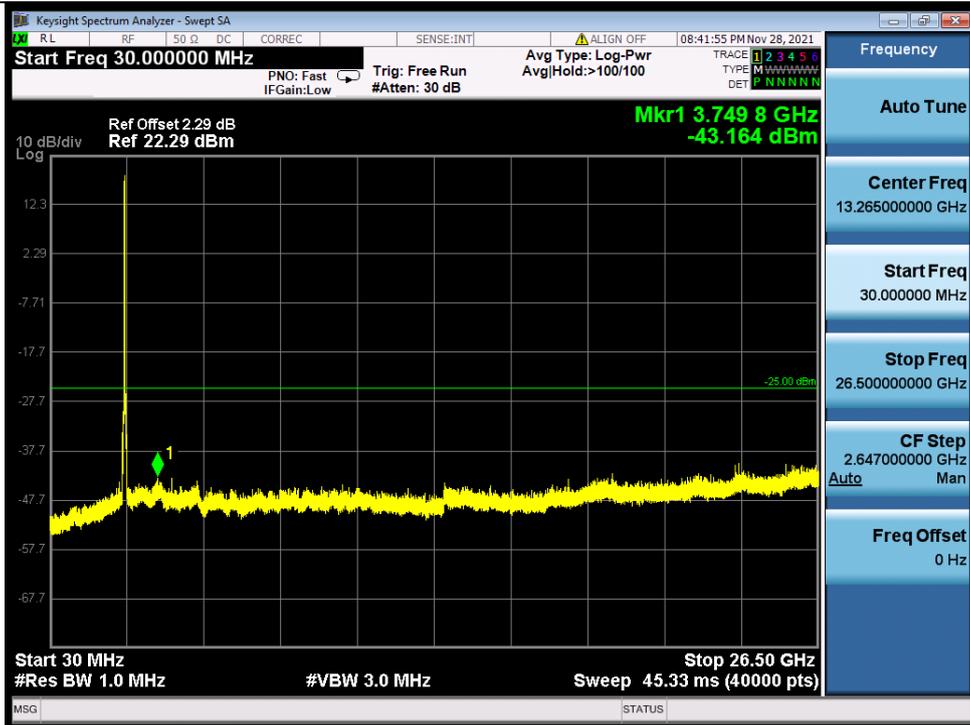


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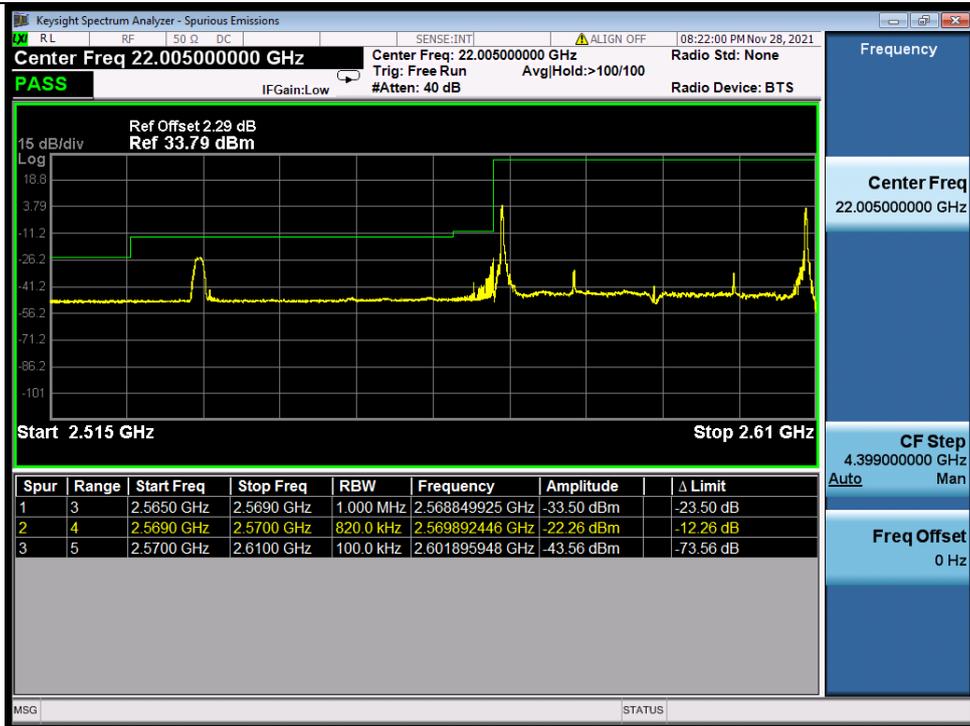


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



Band_38C_16QAM_LCH_15M+15M_RB_1_0/1_74_NTNV

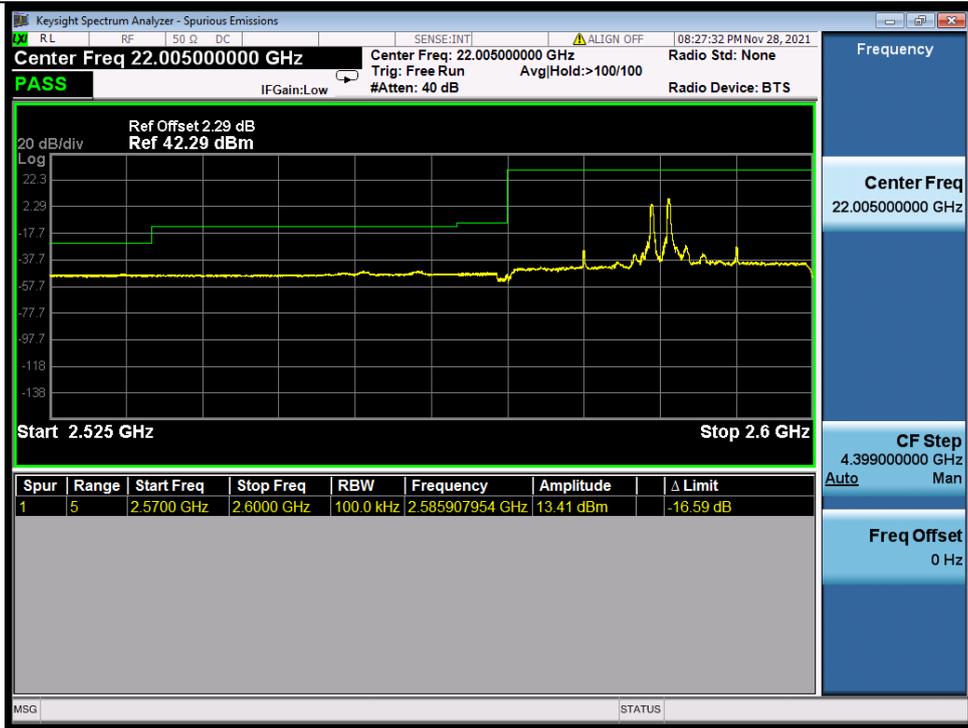


Band_38C_16QAM_LCH_15M+15M_RB_1_74/1_0_NTNV

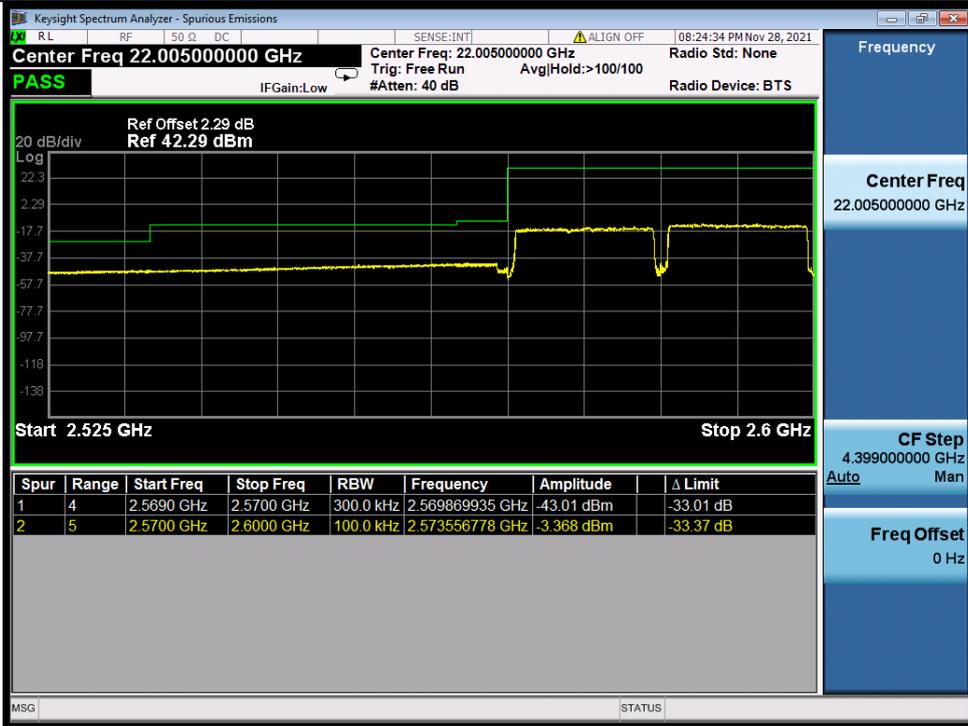


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



Band_38C_16QAM_LCH_15M+15M_RB_FULL_0_NTNV

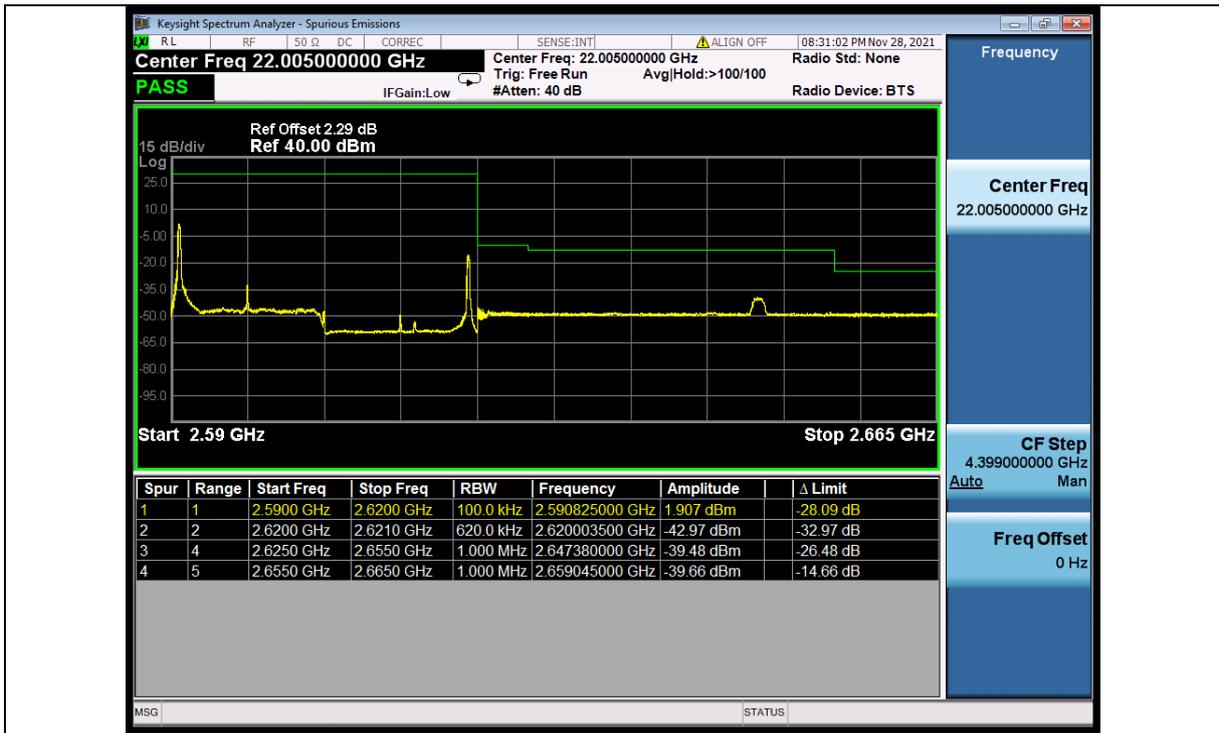


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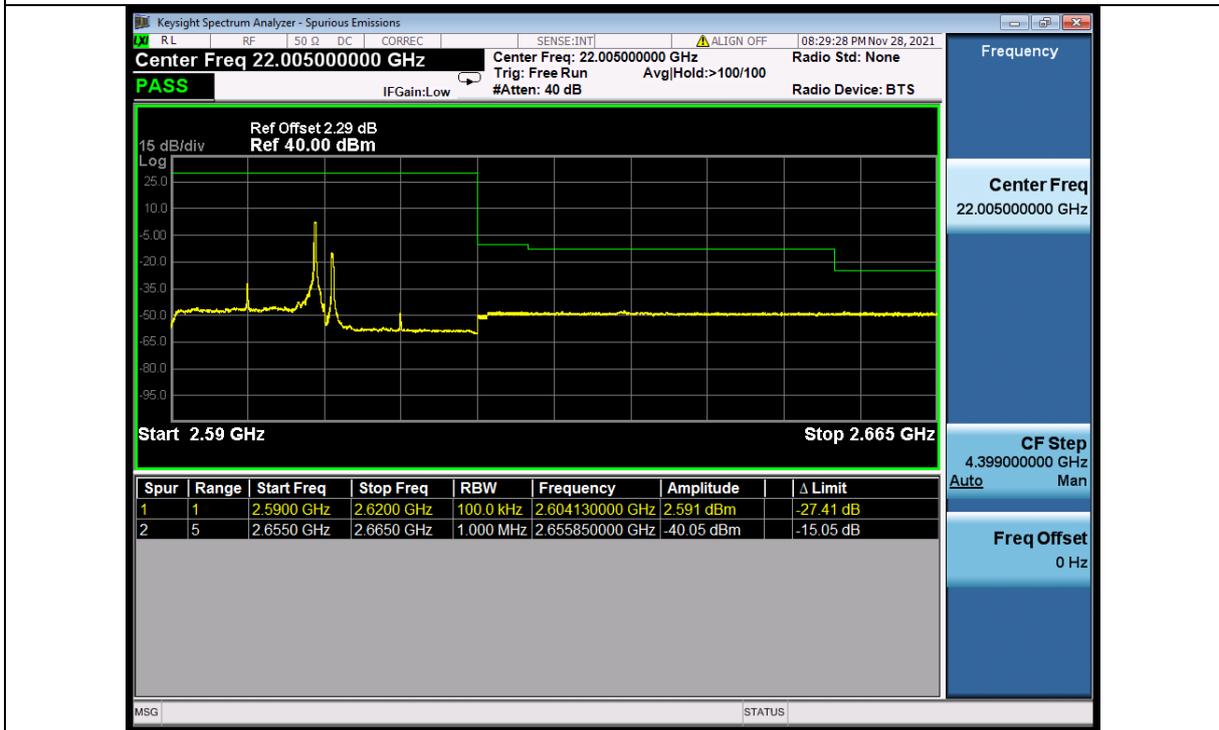


BUREAU VERITAS

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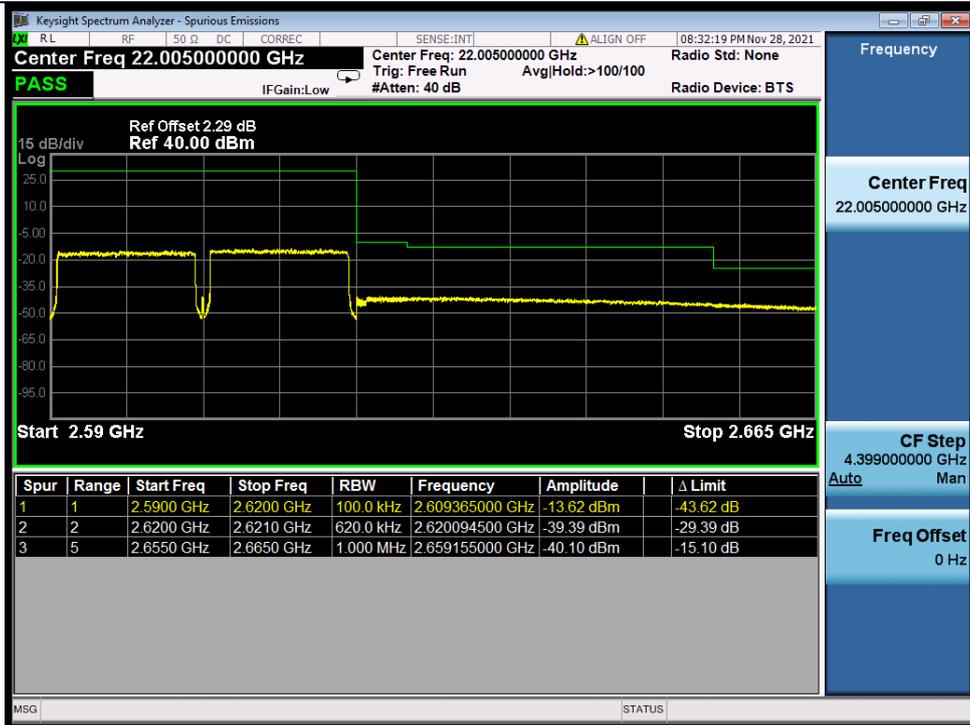


Band_38C_16QAM_HCH_15M+15M_RB_FULL_0_NTNV

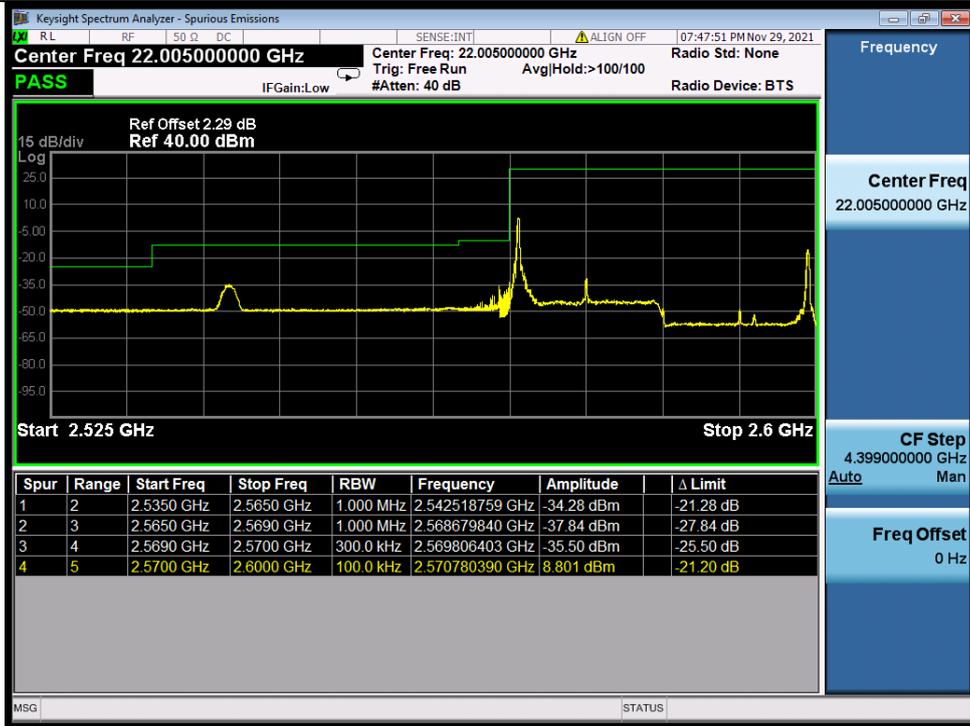


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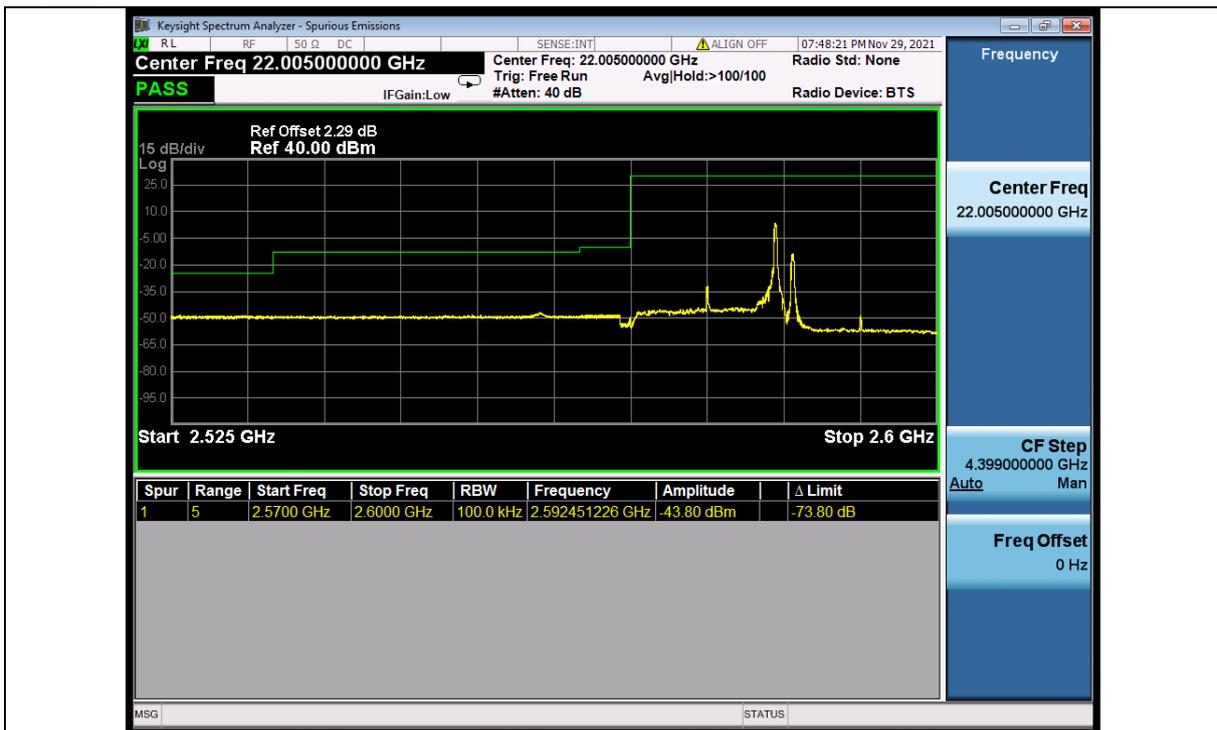
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Band_38C_64QAM_LCH_15MHz+15MHz_RB_1_0/1_74_NTNV



Band_38C_64QAM_LCH_15MHz+15MHz_RB_1_74/1_0_NTNV



Band_38C_64QAM_LCH_15MHz+15MHz_FULL_0_NTNV

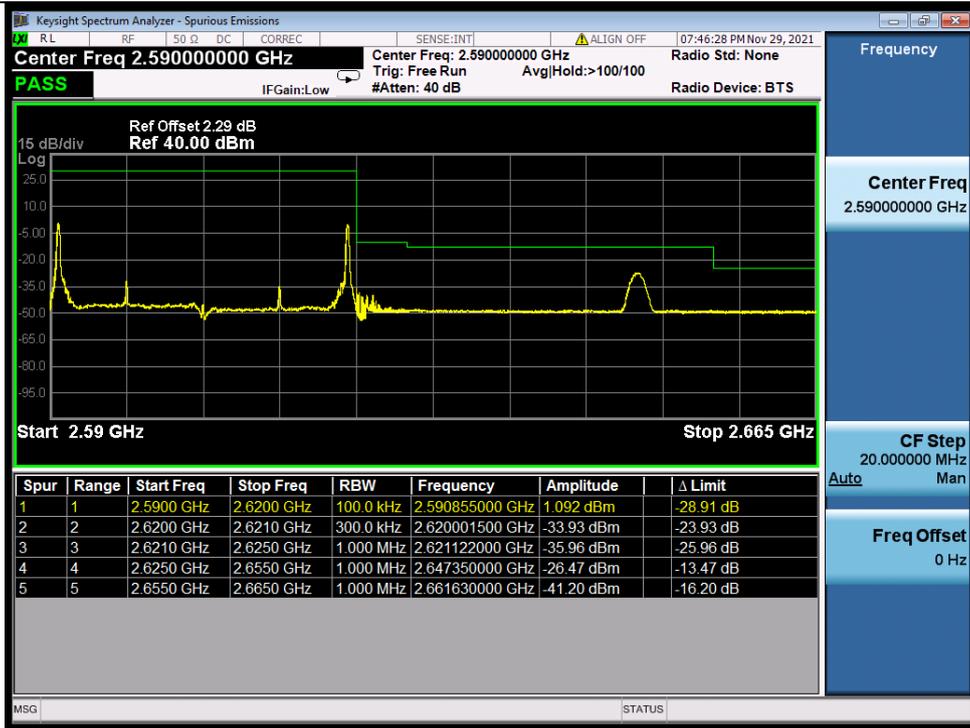


Band_38C_64QAM_HCH_15MHz+15MHz_RB_1_0/1_74_NTNV

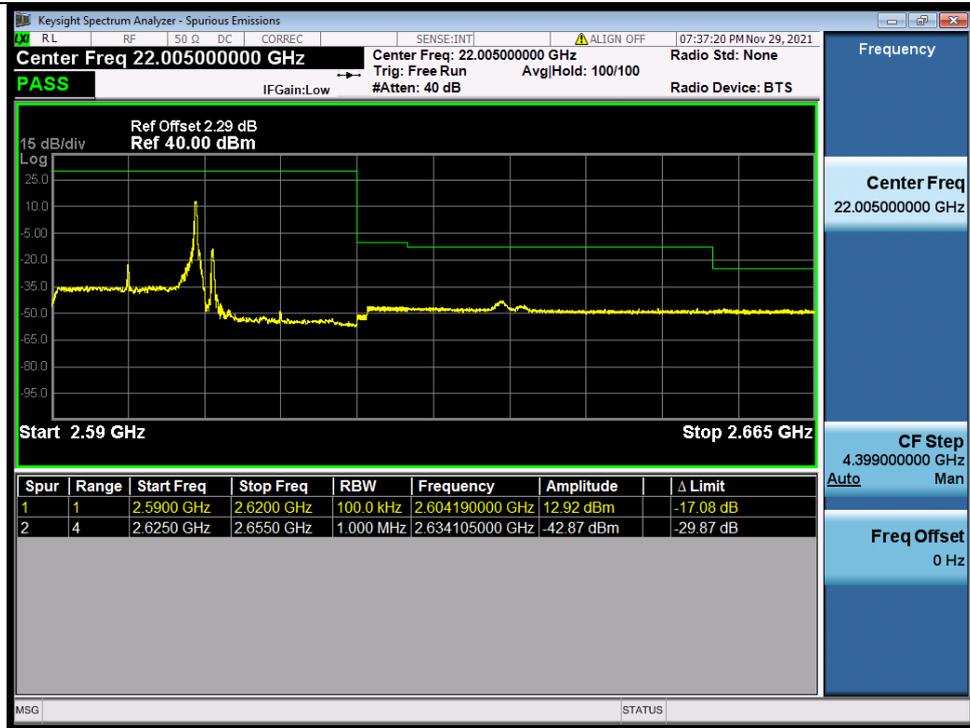


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



Band_38C_64QAM_HCH_15MHz+15MHz_RB_1_74/1_0_NTNV



Band_38C_64QAM_HCH_15MHz+15MHz_RB_FULL_0_NTNV



BUREAU
VERITAS

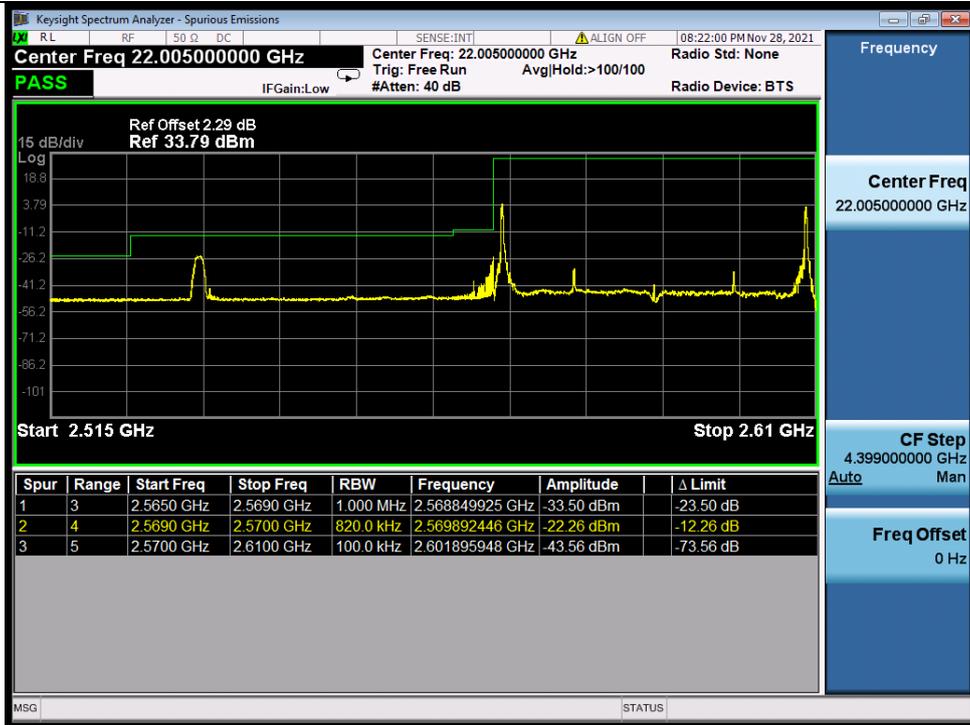
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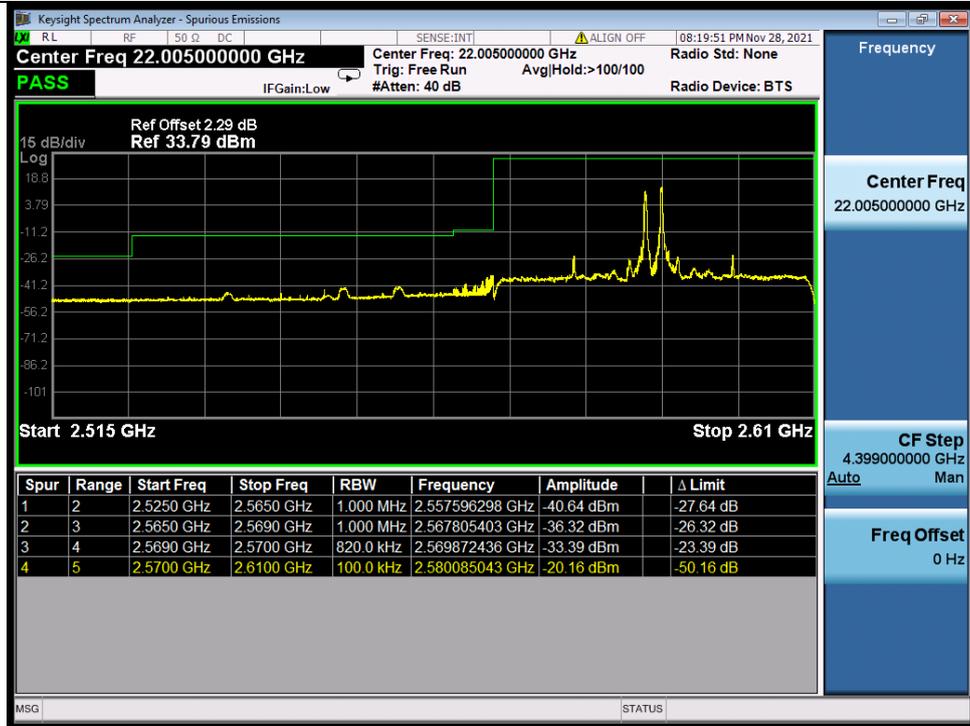


Test Report No.: W7L-P21100027RF16

Band_38C_QPSK_LCH_20M+20M_RB_1_0/1_99_NTNV



Band_38C_QPSK_LCH_20M+20M_RB_1_99/1_0_NTNV

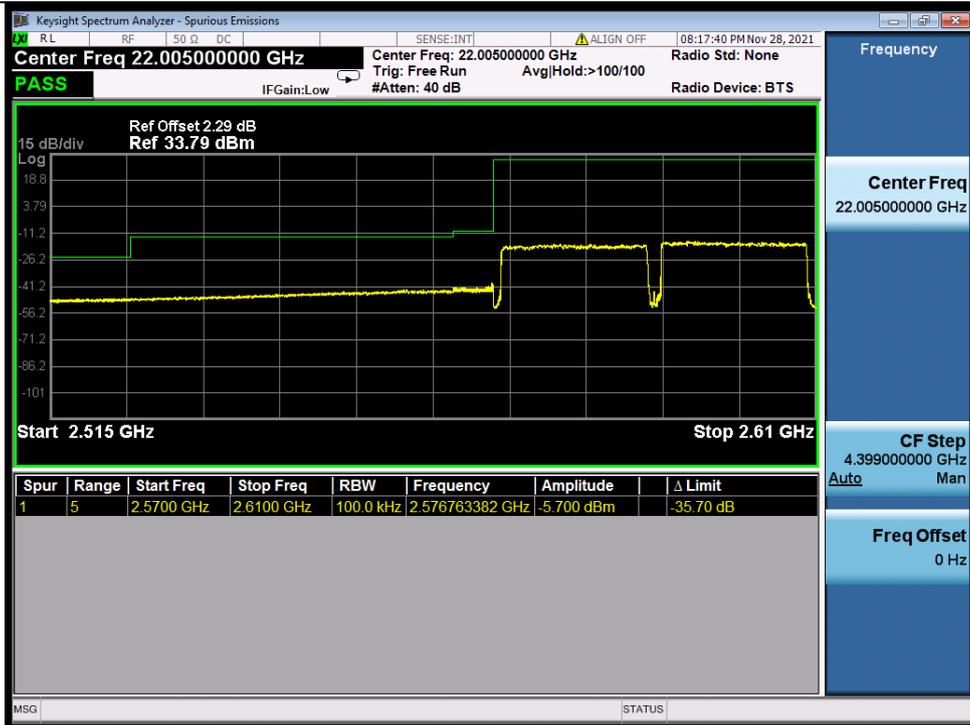


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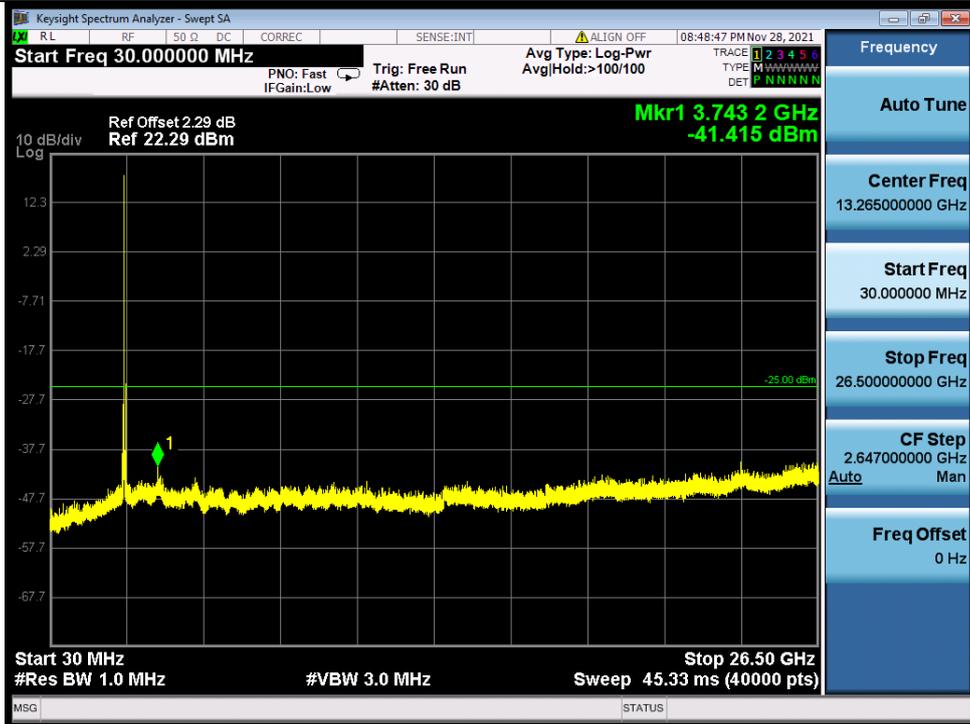


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



Band_38C_QPSK_LCH_20M+20M_NTNV

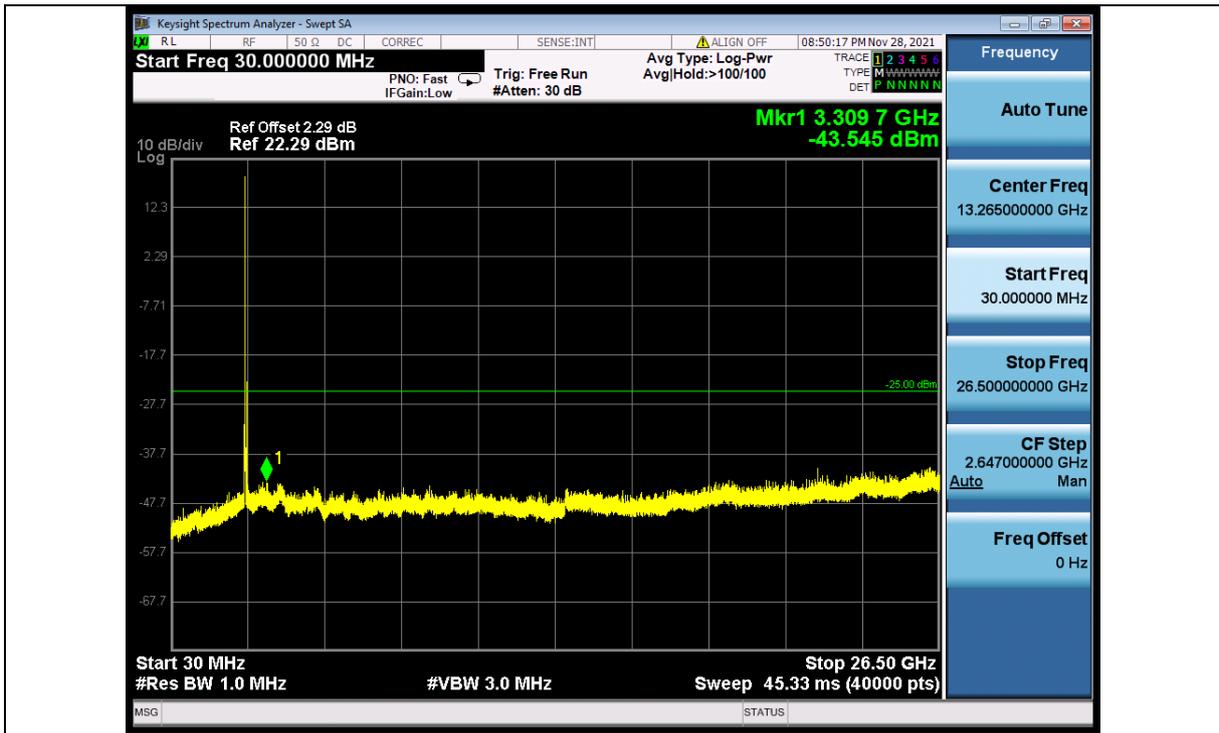


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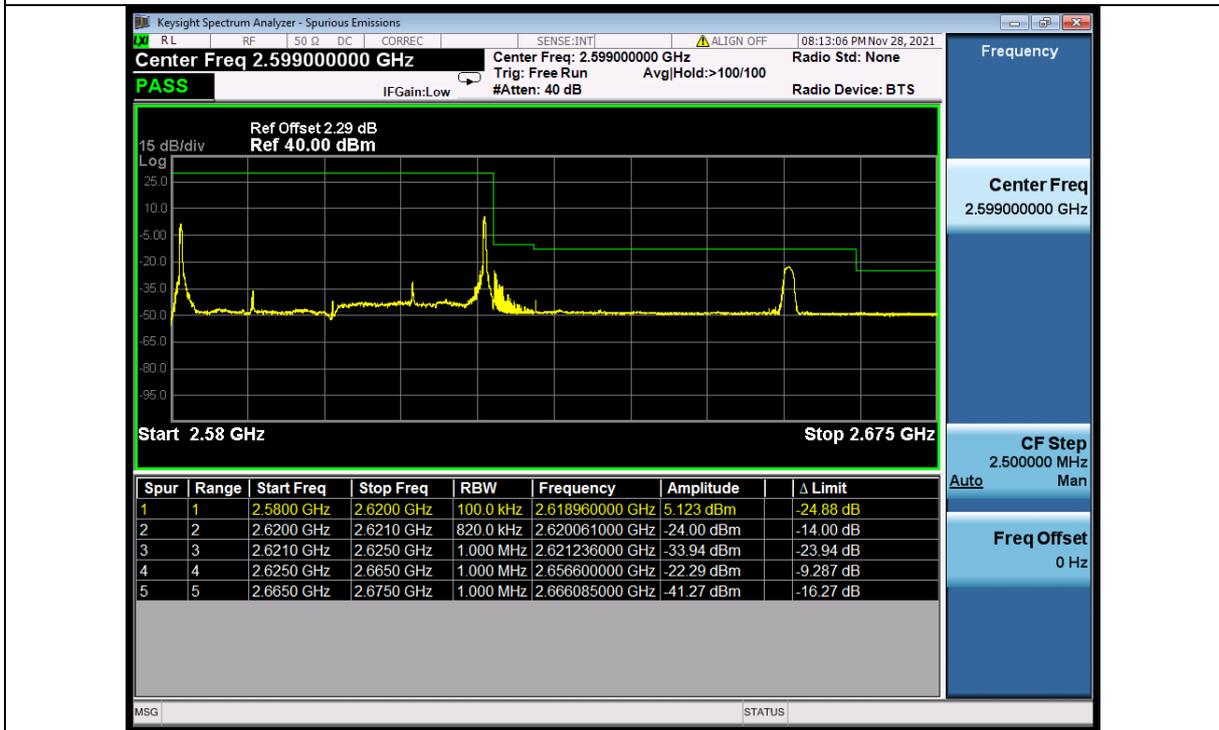


**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16



Band_38C_QPSK_HCH_20M+20M_RB_1_0/1_99_NTNV

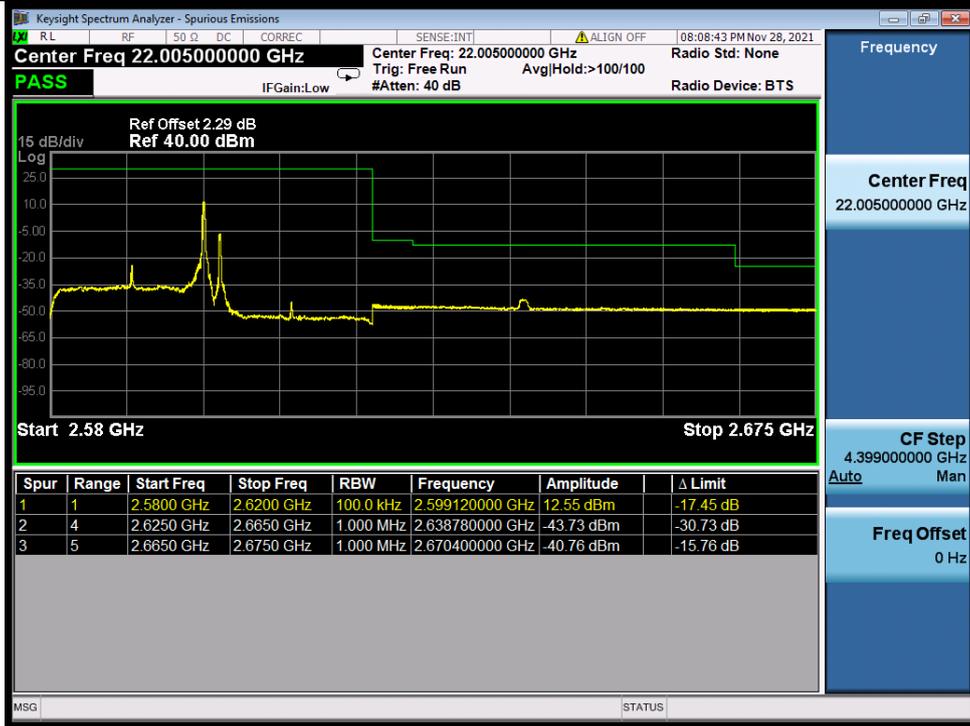


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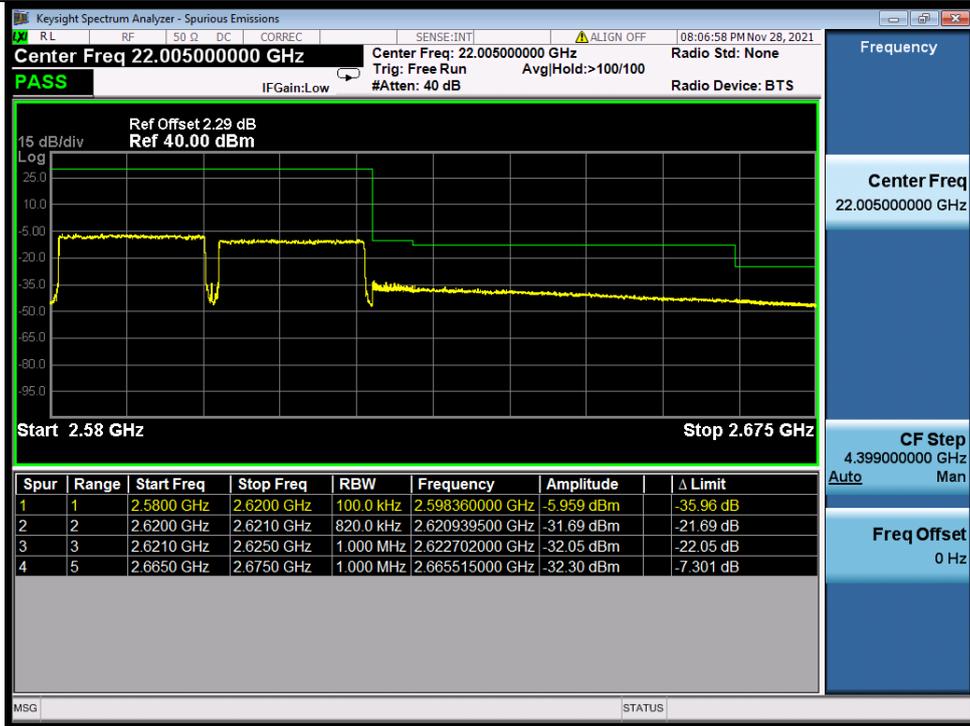


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



Band_38C_QPSK_HCH_20M+20M_RB_FULL_0_NTNV

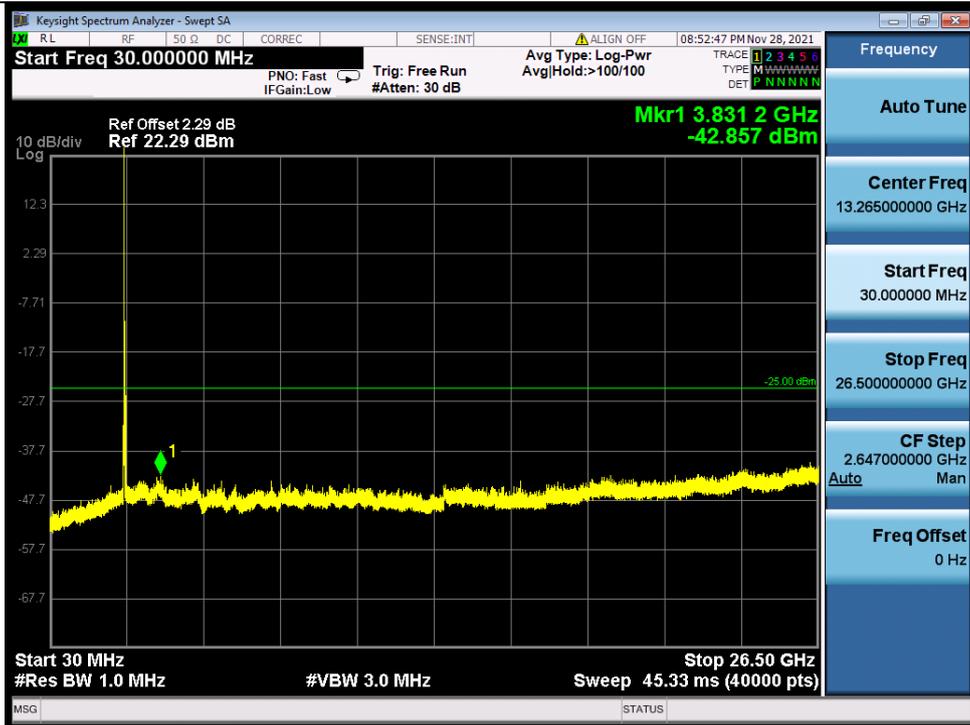


Band_38C_QPSK_HCH_20M+20M_NTNV

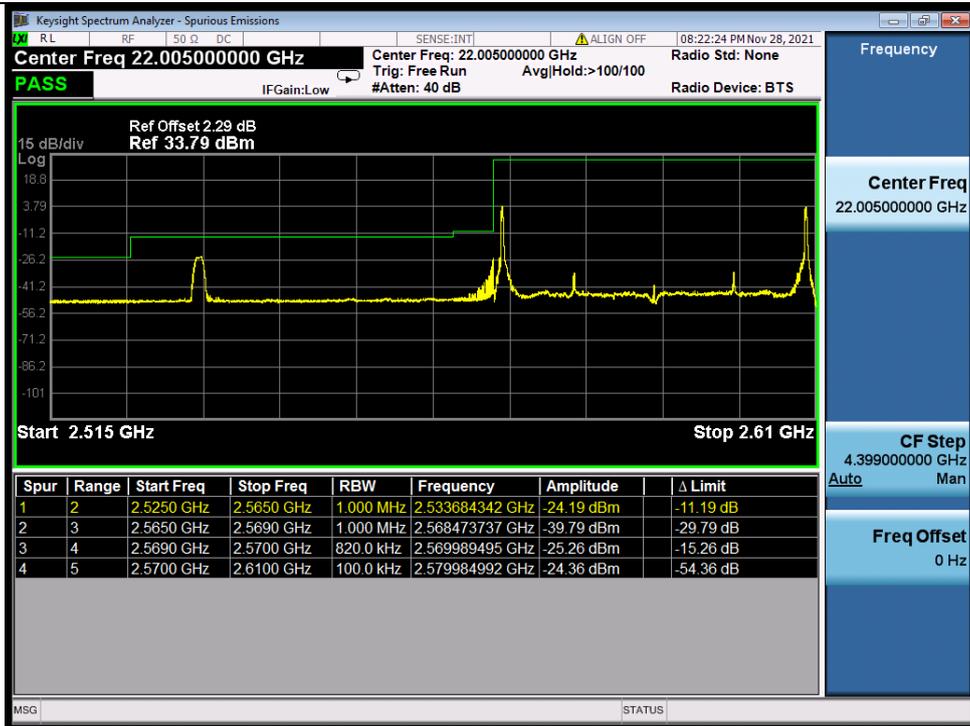


**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16



Band_38C_16QAM_LCH_20M+20M_RB_1_0/1_99_NTNV

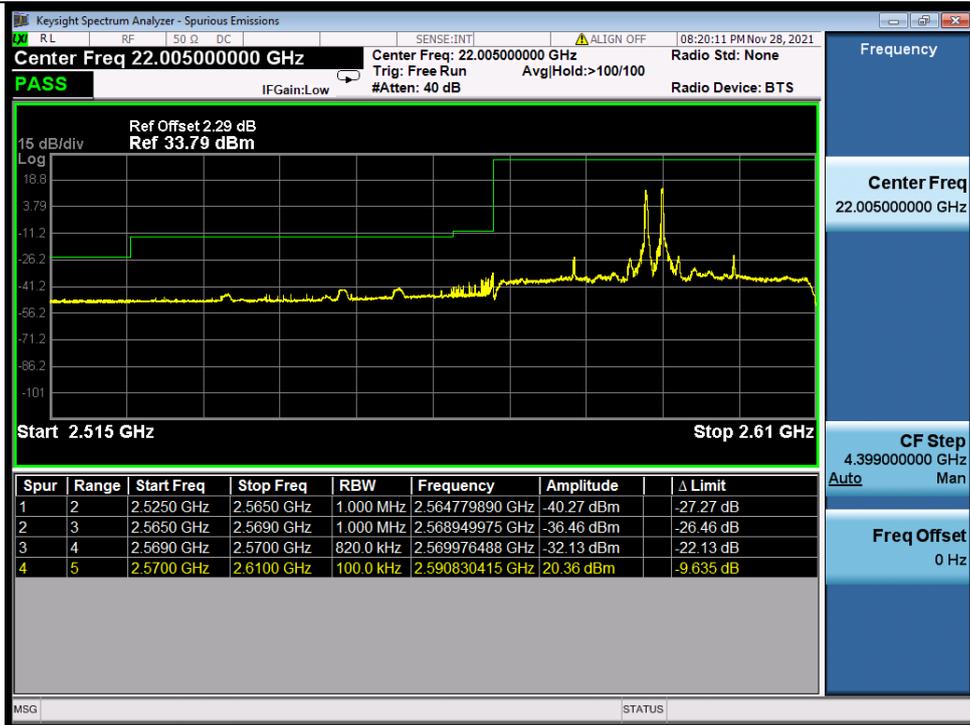


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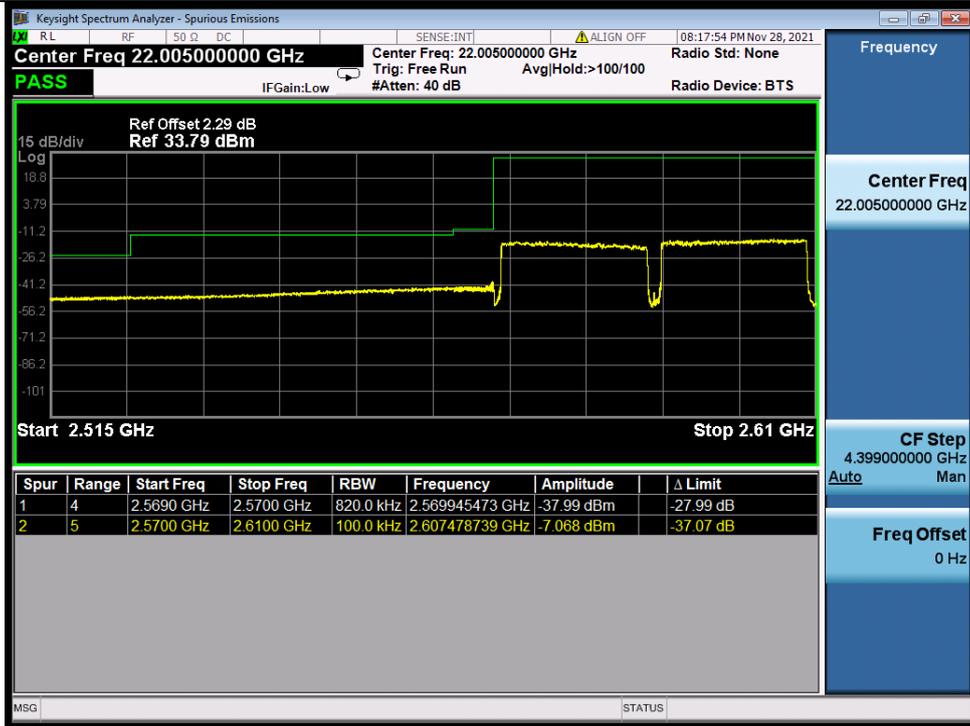


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



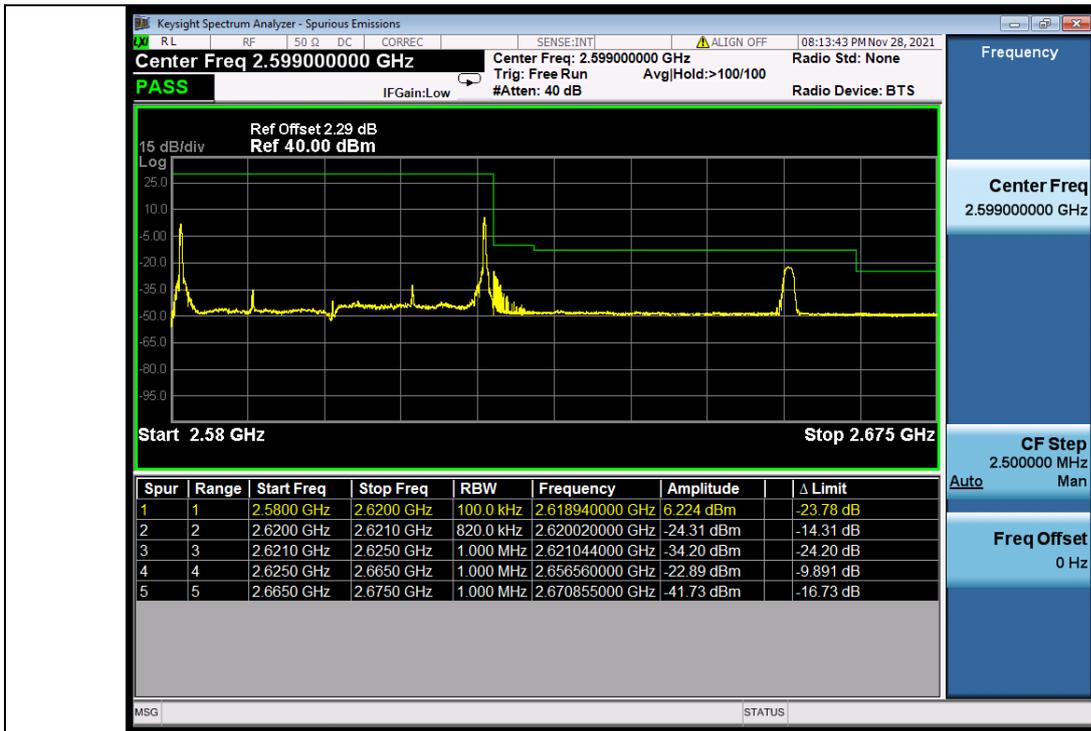
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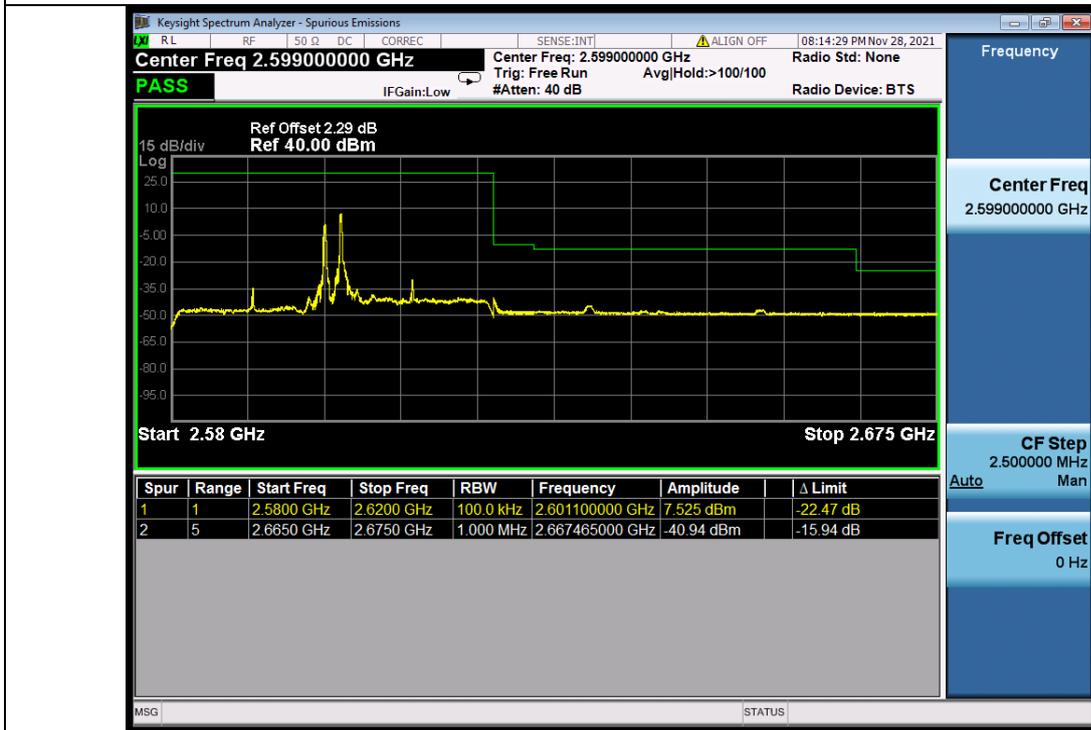
Band_38C_16QAM_HCH_20M+20M_RB_1_0/1_99_NTNV



Test Report No.: W7L-P21100027RF16



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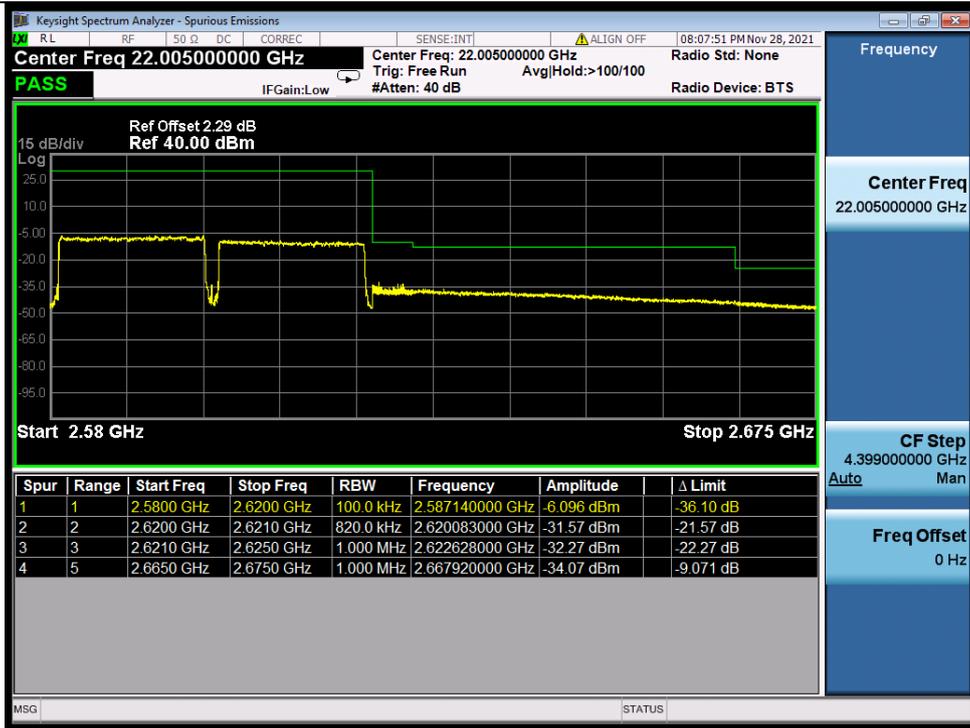


Band_38C_16QAM_HCH_20M+20M_RB_FULL_0_NTNV

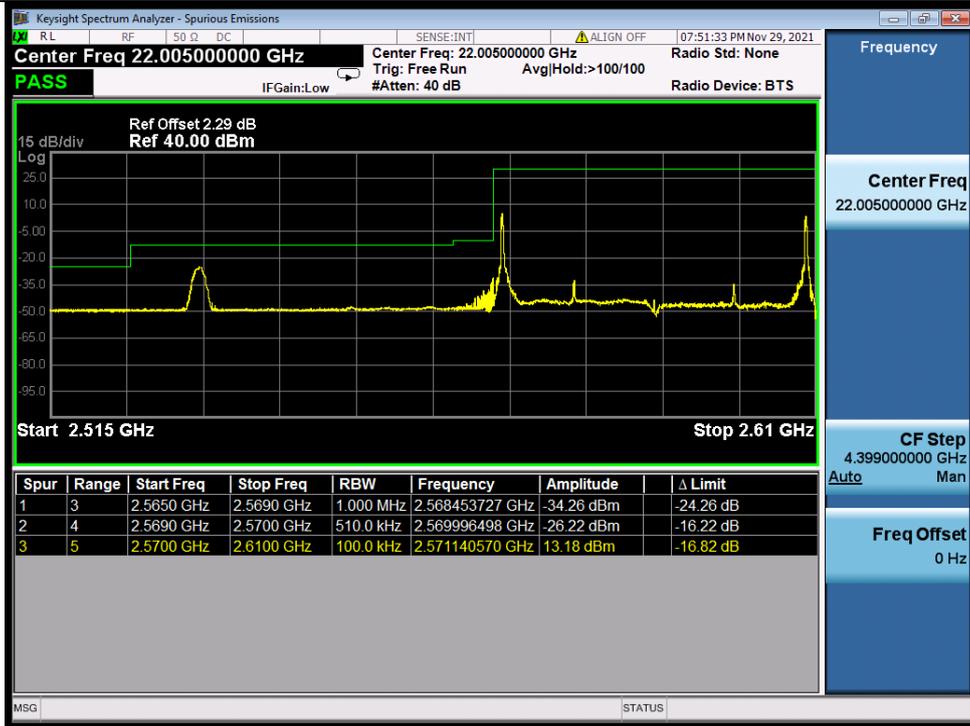


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



Band_38C_64QAM_LCH_20M+20M_RB_1_0/1_99_NTNV

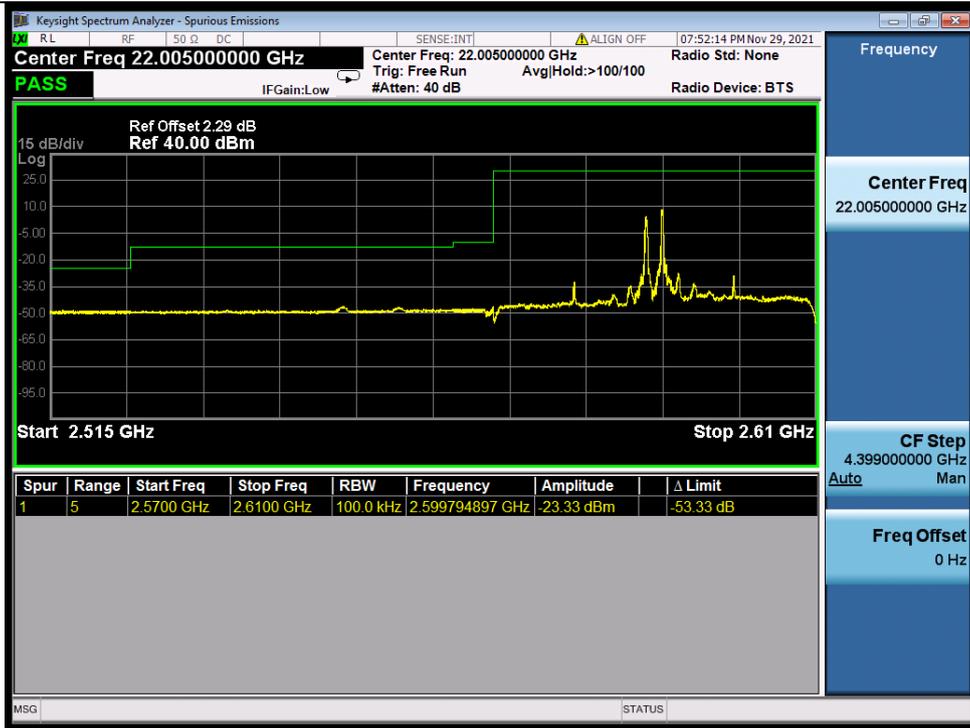


Band_38C_64QAM_LCH_20M+20M_RB_1_99/1_0_NTNV

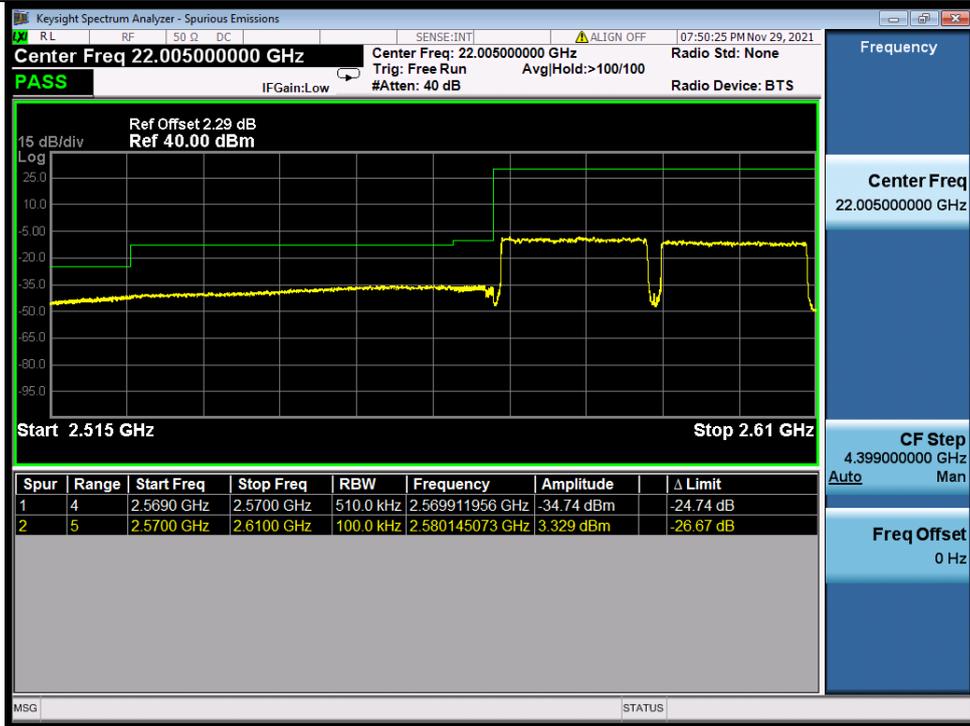


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



Band_38C_64QAM_LCH_20M+20M_RB_FULL_0_NTNV

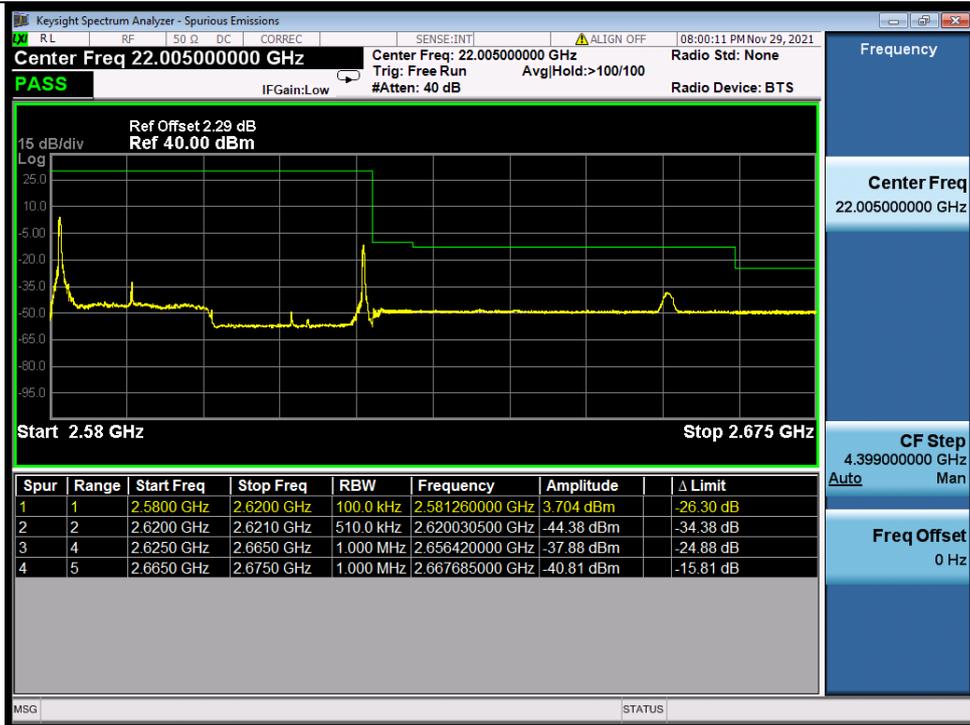


Band_38C_64QAM_HCH_20M+20M_RB_1_0/1_99_NTNV

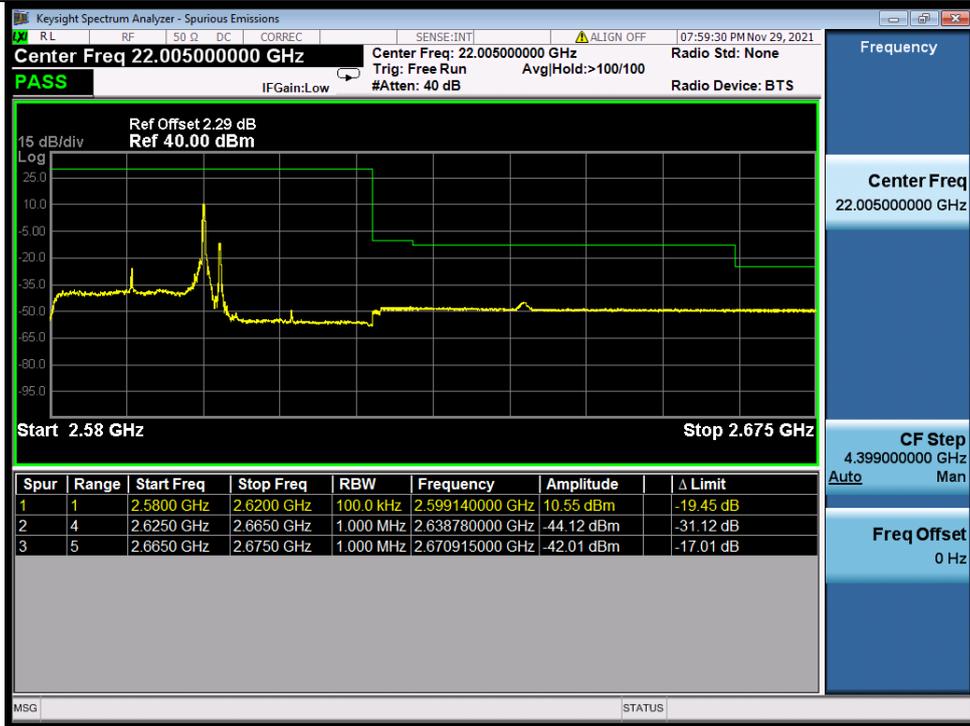


BUREAU VERITAS

Test Report No.: W7L-P21100027RF16



Band_38C_64QAM_HCH_20M+20M_RB_1_99/1_0_NTNV

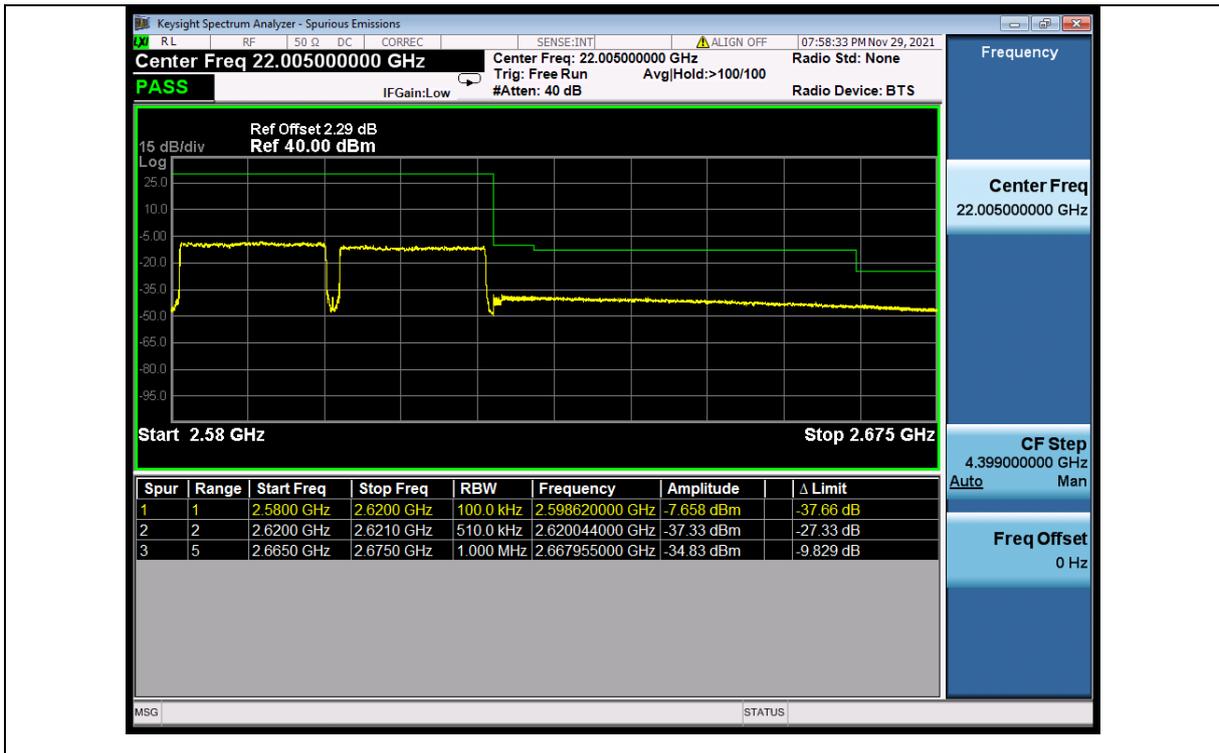


Band_38C_64QAM_HCH_20M+20M_RB_FULL_0_NTNV



BUREAU
VERITAS

Test Report No.: W7L-P21100027RF16





Test Report No.: W7L-P21100027RF16

LTE BAND 41

FREQUENCY STABILITY

B41_5MHZ

TEST RESULT

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2537.5	25	0	20	3.27	-10.94	-0.00	-2.5 to 2.5	Pass
					3.85	-11.92	-0.00	-2.5 to 2.5	Pass
					4.43	-20.17	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-4.03	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-7.67	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.75	-0.00	-2.5 to 2.5	Pass
				0	3.85	-11.29	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.04	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.12	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.13	-0.00	-2.5 to 2.5	Pass
	50	3.85	-4.79	-0.00	-2.5 to 2.5	Pass			
	2595	25	0	20	3.27	-6.72	-0.00	-2.5 to 2.5	Pass
					3.85	-8.41	-0.00	-2.5 to 2.5	Pass
					4.43	-2.25	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-9.44	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-8.68	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.96	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.11	-0.00	-2.5 to 2.5	Pass
				10	3.85	0.30	0.00	-2.5 to 2.5	Pass
				30	3.85	-0.49	-0.00	-2.5 to 2.5	Pass
40				3.85	-6.12	-0.00	-2.5 to 2.5	Pass	
50	3.85	-2.38	-0.00	-2.5 to 2.5	Pass				



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

	2652.5	25	0	20	3.27	-3.39	-0.00	-2.5 to 2.5	Pass				
					3.85	-8.34	-0.00	-2.5 to 2.5	Pass				
					4.43	-3.59	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	-7.17	-0.00	-2.5 to 2.5	Pass
								-20	3.85	0.64	0.00	-2.5 to 2.5	Pass
								-10	3.85	-0.40	-0.00	-2.5 to 2.5	Pass
								0	3.85	-0.07	0.00	-2.5 to 2.5	Pass
								10	3.85	-5.21	-0.00	-2.5 to 2.5	Pass
								30	3.85	0.43	0.00	-2.5 to 2.5	Pass
								40	3.85	0.43	0.00	-2.5 to 2.5	Pass
								50	3.85	0.09	0.00	-2.5 to 2.5	Pass
16QAM	2537.5	25	0	20	3.27	2.86	0.00	-2.5 to 2.5	Pass				
					3.85	-5.42	-0.00	-2.5 to 2.5	Pass				
					4.43	-0.03	0.00	-2.5 to 2.5	Pass				
								-30	3.85	-10.99	-0.00	-2.5 to 2.5	Pass
								-20	3.85	-5.34	-0.00	-2.5 to 2.5	Pass
								-10	3.85	-0.50	-0.00	-2.5 to 2.5	Pass
								0	3.85	-0.09	0.00	-2.5 to 2.5	Pass
								10	3.85	-6.18	-0.00	-2.5 to 2.5	Pass
								30	3.85	-7.01	-0.00	-2.5 to 2.5	Pass
								40	3.85	-8.33	-0.00	-2.5 to 2.5	Pass
								50	3.85	-1.09	-0.00	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	-3.43	-0.00	-2.5 to 2.5	Pass				
					3.85	-3.52	-0.00	-2.5 to 2.5	Pass				
					4.43	-9.94	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	-0.63	-0.00	-2.5 to 2.5	Pass
								-20	3.85	2.49	0.00	-2.5 to 2.5	Pass
								-10	3.85	-3.35	-0.00	-2.5 to 2.5	Pass
								0	3.85	-8.90	-0.00	-2.5 to 2.5	Pass
								10	3.85	-0.27	-0.00	-2.5 to 2.5	Pass
								30	3.85	-2.45	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

	2652.5	25	0	40	3.85	3.19	0.00	-2.5 to 2.5	Pass			
				50	3.85	-2.69	-0.00	-2.5 to 2.5	Pass			
				20	3.27	-0.96	-0.00	-2.5 to 2.5	Pass			
					3.85	1.23	0.00	-2.5 to 2.5	Pass			
					4.43	-5.61	-0.00	-2.5 to 2.5	Pass			
				-30	3.85	-4.00	-0.00	-2.5 to 2.5	Pass			
				-20	3.85	-2.22	-0.00	-2.5 to 2.5	Pass			
				-10	3.85	-1.46	-0.00	-2.5 to 2.5	Pass			
				0	3.85	0.24	0.00	-2.5 to 2.5	Pass			
				10	3.85	-10.03	-0.00	-2.5 to 2.5	Pass			
				30	3.85	-0.23	-0.00	-2.5 to 2.5	Pass			
				40	3.85	-2.56	-0.00	-2.5 to 2.5	Pass			
				50	3.85	0.66	0.00	-2.5 to 2.5	Pass			
				64QAM	2537.5	25	0	20	3.27	-1.79	-0.00	-2.5 to 2.5
3.85	-1.33	-0.00	-2.5 to 2.5						Pass			
4.43	-3.85	-0.00	-2.5 to 2.5						Pass			
-30	3.85	-5.31	-0.00					-2.5 to 2.5	Pass			
-20	3.85	0.63	0.00					-2.5 to 2.5	Pass			
-10	3.85	-1.95	-0.00					-2.5 to 2.5	Pass			
0	3.85	-4.82	-0.00					-2.5 to 2.5	Pass			
10	3.85	-12.90	-0.01					-2.5 to 2.5	Pass			
30	3.85	-12.22	-0.00					-2.5 to 2.5	Pass			
40	3.85	-10.13	-0.00					-2.5 to 2.5	Pass			
50	3.85	-4.74	-0.00					-2.5 to 2.5	Pass			
2595	25	0	20					3.27	1.27	0.00	-2.5 to 2.5	Pass
								3.85	-3.00	-0.00	-2.5 to 2.5	Pass
								4.43	-0.20	-0.00	-2.5 to 2.5	Pass
			-30	3.85	1.87	0.00	-2.5 to 2.5	Pass				
			-20	3.85	-2.19	-0.00	-2.5 to 2.5	Pass				
			-10	3.85	-5.79	-0.00	-2.5 to 2.5	Pass				
			0	3.85	-4.42	-0.00	-2.5 to 2.5	Pass				



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

				10	3.85	-5.78	-0.00	-2.5 to 2.5	Pass	
				30	3.85	-8.71	-0.00	-2.5 to 2.5	Pass	
				40	3.85	-4.56	-0.00	-2.5 to 2.5	Pass	
				50	3.85	-2.43	-0.00	-2.5 to 2.5	Pass	
	2652.5	25		0	20	3.27	-0.03	0.00	-2.5 to 2.5	Pass
						3.85	3.66	0.00	-2.5 to 2.5	Pass
						4.43	-1.59	-0.00	-2.5 to 2.5	Pass
					-30	3.85	-1.73	-0.00	-2.5 to 2.5	Pass
					-20	3.85	1.30	0.00	-2.5 to 2.5	Pass
					-10	3.85	-4.11	-0.00	-2.5 to 2.5	Pass
					0	3.85	-7.77	-0.00	-2.5 to 2.5	Pass
					10	3.85	-3.55	-0.00	-2.5 to 2.5	Pass
					30	3.85	-6.74	-0.00	-2.5 to 2.5	Pass
					40	3.85	-8.34	-0.00	-2.5 to 2.5	Pass
50	3.85	-3.98	-0.00	-2.5 to 2.5	Pass					

B41_10MHZ

TEST RESULT

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2540	50	0	20	3.27	-8.33	-0.00	-2.5 to 2.5	Pass
					3.85	-5.11	-0.00	-2.5 to 2.5	Pass
					4.43	-5.32	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.67	-0.00	-2.5 to 2.5	Pass
				-20	3.85	0.32	0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.66	-0.00	-2.5 to 2.5	Pass
				0	3.85	0.09	0.00	-2.5 to 2.5	Pass
				10	3.85	0.69	0.00	-2.5 to 2.5	Pass
				30	3.85	-3.63	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

	2595	50	0	40	3.85	-0.13	-0.00	-2.5 to 2.5	Pass
				50	3.85	-3.35	-0.00	-2.5 to 2.5	Pass
				20	3.27	-2.96	-0.00	-2.5 to 2.5	Pass
					3.85	-5.45	-0.00	-2.5 to 2.5	Pass
					4.43	-3.00	-0.00	-2.5 to 2.5	Pass
				-30	3.85	1.30	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.26	0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.15	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.15	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.77	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.32	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.73	-0.00	-2.5 to 2.5	Pass
	50	3.85	-3.12	-0.00	-2.5 to 2.5	Pass			
	2650	50	0	20	3.27	-4.59	-0.00	-2.5 to 2.5	Pass
					3.85	-7.72	-0.00	-2.5 to 2.5	Pass
					4.43	-3.62	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.11	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-4.12	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.00	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.35	-0.00	-2.5 to 2.5	Pass
10				3.85	-3.75	-0.00	-2.5 to 2.5	Pass	
30				3.85	-3.33	-0.00	-2.5 to 2.5	Pass	
40				3.85	-1.92	-0.00	-2.5 to 2.5	Pass	
50	3.85	-2.12	-0.00	-2.5 to 2.5	Pass				
16QAM	2540	50	0	20	3.27	-2.38	-0.00	-2.5 to 2.5	Pass
					3.85	-2.89	-0.00	-2.5 to 2.5	Pass
					4.43	-2.76	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-1.54	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.99	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.42	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.12	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

				10	3.85	-4.38	-0.00	-2.5 to 2.5	Pass				
				30	3.85	-3.50	-0.00	-2.5 to 2.5	Pass				
				40	3.85	-4.29	-0.00	-2.5 to 2.5	Pass				
				50	3.85	-5.12	-0.00	-2.5 to 2.5	Pass				
	2595	50	0	20	3.27	-3.49	-0.00	-2.5 to 2.5	Pass				
3.85					-0.76	-0.00	-2.5 to 2.5	Pass					
4.43					-3.39	-0.00	-2.5 to 2.5	Pass					
							-30	3.85	0.19	0.00	-2.5 to 2.5	Pass	
							-20	3.85	-5.81	-0.00	-2.5 to 2.5	Pass	
							-10	3.85	-6.44	-0.00	-2.5 to 2.5	Pass	
							0	3.85	-5.49	-0.00	-2.5 to 2.5	Pass	
							10	3.85	-1.62	-0.00	-2.5 to 2.5	Pass	
							30	3.85	-2.09	-0.00	-2.5 to 2.5	Pass	
							40	3.85	0.63	0.00	-2.5 to 2.5	Pass	
							50	3.85	-3.75	-0.00	-2.5 to 2.5	Pass	
				2650	50	0	20	3.27	-1.47	-0.00	-2.5 to 2.5	Pass	
3.85	-1.89	-0.00	-2.5 to 2.5					Pass					
4.43	-4.02	-0.00	-2.5 to 2.5					Pass					
							-30	3.85	-6.24	-0.00	-2.5 to 2.5	Pass	
							-20	3.85	-7.55	-0.00	-2.5 to 2.5	Pass	
							-10	3.85	-3.16	-0.00	-2.5 to 2.5	Pass	
							0	3.85	-5.57	-0.00	-2.5 to 2.5	Pass	
							10	3.85	-3.65	-0.00	-2.5 to 2.5	Pass	
							30	3.85	-4.58	-0.00	-2.5 to 2.5	Pass	
							40	3.85	-5.87	-0.00	-2.5 to 2.5	Pass	
							50	3.85	-5.99	-0.00	-2.5 to 2.5	Pass	
64QAM	2540	50	0				20	3.27	-4.52	-0.00	-2.5 to 2.5	Pass	
				3.85	-2.16	-0.00		-2.5 to 2.5	Pass				
				4.43	-2.39	-0.00		-2.5 to 2.5	Pass				
								-30	3.85	-4.74	-0.00	-2.5 to 2.5	Pass
								-20	3.85	-3.29	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

				-10	3.85	-6.11	-0.00	-2.5 to 2.5	Pass			
				0	3.85	-3.65	-0.00	-2.5 to 2.5	Pass			
				10	3.85	-1.69	-0.00	-2.5 to 2.5	Pass			
				30	3.85	-2.79	-0.00	-2.5 to 2.5	Pass			
				40	3.85	1.60	0.00	-2.5 to 2.5	Pass			
				50	3.85	-1.92	-0.00	-2.5 to 2.5	Pass			
	2595	50	0	20	3.27	1.47	0.00	-2.5 to 2.5	Pass			
3.85					0.04	0.00	-2.5 to 2.5	Pass				
4.43					-3.45	-0.00	-2.5 to 2.5	Pass				
							-30	3.85	-1.30	-0.00	-2.5 to 2.5	Pass
							-20	3.85	-1.47	-0.00	-2.5 to 2.5	Pass
							-10	3.85	-3.40	-0.00	-2.5 to 2.5	Pass
							0	3.85	-5.15	-0.00	-2.5 to 2.5	Pass
							10	3.85	-1.69	-0.00	-2.5 to 2.5	Pass
							30	3.85	-0.71	-0.00	-2.5 to 2.5	Pass
							40	3.85	-6.14	-0.00	-2.5 to 2.5	Pass
							50	3.85	-3.88	-0.00	-2.5 to 2.5	Pass
				2650	50	0	20	3.27	-6.68	-0.00	-2.5 to 2.5	Pass
3.85	-0.79	-0.00	-2.5 to 2.5					Pass				
4.43	-5.84	-0.00	-2.5 to 2.5					Pass				
							-30	3.85	-9.63	-0.00	-2.5 to 2.5	Pass
							-20	3.85	-3.36	-0.00	-2.5 to 2.5	Pass
							-10	3.85	-5.04	-0.00	-2.5 to 2.5	Pass
							0	3.85	-8.94	-0.00	-2.5 to 2.5	Pass
							10	3.85	-5.58	-0.00	-2.5 to 2.5	Pass
							30	3.85	-5.82	-0.00	-2.5 to 2.5	Pass
							40	3.85	-5.62	-0.00	-2.5 to 2.5	Pass
							50	3.85	-0.89	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

B41_15MHZ

TEST RESULT

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2542.5	75	0	20	3.27	-6.34	-0.00	-2.5 to 2.5	Pass
					3.85	-5.06	-0.00	-2.5 to 2.5	Pass
					4.43	-3.82	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.43	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.19	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.11	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.34	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.05	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.76	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.97	-0.00	-2.5 to 2.5	Pass
				50	3.85	-4.28	-0.00	-2.5 to 2.5	Pass
				2595	75	0	20	3.27	-6.91
	3.85	-6.57	-0.00					-2.5 to 2.5	Pass
	4.43	-4.45	-0.00					-2.5 to 2.5	Pass
	-30	3.85	-3.28				-0.00	-2.5 to 2.5	Pass
	-20	3.85	-3.30				-0.00	-2.5 to 2.5	Pass
	-10	3.85	-2.32				-0.00	-2.5 to 2.5	Pass
	0	3.85	-2.26				-0.00	-2.5 to 2.5	Pass
	10	3.85	-1.73				-0.00	-2.5 to 2.5	Pass
	30	3.85	-3.13				-0.00	-2.5 to 2.5	Pass
	40	3.85	-2.48				-0.00	-2.5 to 2.5	Pass
	50	3.85	-2.77				-0.00	-2.5 to 2.5	Pass
	2647.5	75	0				20	3.27	-4.05
				3.85	-1.93	-0.00		-2.5 to 2.5	Pass
				4.43	-3.75	-0.00		-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

				-30	3.85	-1.16	-0.00	-2.5 to 2.5	Pass				
				-20	3.85	-2.89	-0.00	-2.5 to 2.5	Pass				
				-10	3.85	-5.08	-0.00	-2.5 to 2.5	Pass				
				0	3.85	-0.79	-0.00	-2.5 to 2.5	Pass				
				10	3.85	2.02	0.00	-2.5 to 2.5	Pass				
				30	3.85	-0.83	-0.00	-2.5 to 2.5	Pass				
				40	3.85	-2.30	-0.00	-2.5 to 2.5	Pass				
				50	3.85	-3.43	-0.00	-2.5 to 2.5	Pass				
16QAM	2542.5	75	0	20	3.27	-3.99	-0.00	-2.5 to 2.5	Pass				
					3.85	-1.86	-0.00	-2.5 to 2.5	Pass				
					4.43	-2.62	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	-5.55	-0.00	-2.5 to 2.5	Pass
								-20	3.85	-5.38	-0.00	-2.5 to 2.5	Pass
								-10	3.85	-4.91	-0.00	-2.5 to 2.5	Pass
								0	3.85	-4.28	-0.00	-2.5 to 2.5	Pass
								10	3.85	-4.43	-0.00	-2.5 to 2.5	Pass
								30	3.85	-3.76	-0.00	-2.5 to 2.5	Pass
					40	3.85	-3.18	-0.00	-2.5 to 2.5	Pass			
					50	3.85	-5.65	-0.00	-2.5 to 2.5	Pass			
		2595	75	0	20	3.27	-1.33	-0.00	-2.5 to 2.5	Pass			
	3.85					-7.07	-0.00	-2.5 to 2.5	Pass				
	4.43					-3.68	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	-6.11	-0.00	-2.5 to 2.5	Pass
								-20	3.85	-3.81	-0.00	-2.5 to 2.5	Pass
								-10	3.85	-7.24	-0.00	-2.5 to 2.5	Pass
								0	3.85	1.86	0.00	-2.5 to 2.5	Pass
								10	3.85	-7.07	-0.00	-2.5 to 2.5	Pass
							30	3.85	-4.89	-0.00	-2.5 to 2.5	Pass	
				40	3.85	-5.75	-0.00	-2.5 to 2.5	Pass				
				50	3.85	-3.46	-0.00	-2.5 to 2.5	Pass				
	2647.5	75	0	20	3.27	-3.42	-0.00	-2.5 to 2.5	Pass				



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

					3.85	-3.23	-0.00	-2.5 to 2.5	Pass	
					4.43	-2.35	-0.00	-2.5 to 2.5	Pass	
					-30	3.85	-0.97	-0.00	-2.5 to 2.5	Pass
					-20	3.85	-1.37	-0.00	-2.5 to 2.5	Pass
					-10	3.85	-2.43	-0.00	-2.5 to 2.5	Pass
					0	3.85	-2.40	-0.00	-2.5 to 2.5	Pass
					10	3.85	-3.53	-0.00	-2.5 to 2.5	Pass
					30	3.85	-3.79	-0.00	-2.5 to 2.5	Pass
					40	3.85	-1.57	-0.00	-2.5 to 2.5	Pass
					50	3.85	-2.95	-0.00	-2.5 to 2.5	Pass
64QAM	2542.5	75	0	20	3.27	-3.32	-0.00	-2.5 to 2.5	Pass	
					3.85	-7.65	-0.00	-2.5 to 2.5	Pass	
					4.43	-2.32	-0.00	-2.5 to 2.5	Pass	
					-30	3.85	-5.19	-0.00	-2.5 to 2.5	Pass
					-20	3.85	-3.60	-0.00	-2.5 to 2.5	Pass
					-10	3.85	-3.55	-0.00	-2.5 to 2.5	Pass
					0	3.85	-4.66	-0.00	-2.5 to 2.5	Pass
					10	3.85	-0.77	-0.00	-2.5 to 2.5	Pass
					30	3.85	-6.15	-0.00	-2.5 to 2.5	Pass
					40	3.85	-4.49	-0.00	-2.5 to 2.5	Pass
		50	3.85	-6.31	-0.00	-2.5 to 2.5	Pass			
		2595	75	0	20	3.27	-6.89	-0.00	-2.5 to 2.5	Pass
	3.85					-3.30	-0.00	-2.5 to 2.5	Pass	
	4.43					-2.12	-0.00	-2.5 to 2.5	Pass	
	-30				3.85	-3.86	-0.00	-2.5 to 2.5	Pass	
	-20				3.85	-4.48	-0.00	-2.5 to 2.5	Pass	
	-10				3.85	-4.66	-0.00	-2.5 to 2.5	Pass	
	0				3.85	-2.62	-0.00	-2.5 to 2.5	Pass	
	10				3.85	-0.97	-0.00	-2.5 to 2.5	Pass	
	30	3.85	-3.76	-0.00	-2.5 to 2.5	Pass				
	40	3.85	-6.78	-0.00	-2.5 to 2.5	Pass				



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

	2647.5	75	0	50	3.85	-5.74	-0.00	-2.5 to 2.5	Pass
				20	3.27	-2.35	-0.00	-2.5 to 2.5	Pass
					3.85	0.47	0.00	-2.5 to 2.5	Pass
					4.43	-4.46	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.36	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.53	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.15	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.78	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.95	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.27	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.85	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.38	-0.00	-2.5 to 2.5	Pass

B41_20MHZ

TEST RESULT

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2545	100	0	20	3.27	-1.13	-0.00	-2.5 to 2.5	Pass
					3.85	-1.02	-0.00	-2.5 to 2.5	Pass
					4.43	-2.29	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.22	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.96	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.99	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.88	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.92	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.07	-0.00	-2.5 to 2.5	Pass
				40	3.85	-6.39	-0.00	-2.5 to 2.5	Pass
				50	3.85	-0.29	-0.00	-2.5 to 2.5	Pass
				2595	100	0	20	3.27	-6.04



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

					3.85	-4.81	-0.00	-2.5 to 2.5	Pass
					4.43	-1.60	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.16	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.67	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-6.88	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.93	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.85	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.40	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.42	-0.00	-2.5 to 2.5	Pass
				50	3.85	-3.89	-0.00	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-5.81	-0.00	-2.5 to 2.5	Pass
					3.85	-2.72	-0.00	-2.5 to 2.5	Pass
					4.43	-2.53	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.00	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-6.09	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.56	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.46	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.24	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.19	-0.00	-2.5 to 2.5	Pass
40				3.85	-7.77	-0.00	-2.5 to 2.5	Pass	
50	3.85	-2.52	-0.00	-2.5 to 2.5	Pass				
16QAM	2545	100	0	20	3.27	-4.26	-0.00	-2.5 to 2.5	Pass
					3.85	-2.00	-0.00	-2.5 to 2.5	Pass
					4.43	-1.60	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.82	-0.00	-2.5 to 2.5	Pass
				-20	3.85	0.96	0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.45	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.93	-0.00	-2.5 to 2.5	Pass
				10	3.85	-4.95	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.15	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.45	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

	2595	100	0	50	3.85	-2.30	-0.00	-2.5 to 2.5	Pass
				20	3.27	-3.65	-0.00	-2.5 to 2.5	Pass
					3.85	-3.49	-0.00	-2.5 to 2.5	Pass
					4.43	-4.63	-0.00	-2.5 to 2.5	Pass
				-30	3.85	0.11	0.00	-2.5 to 2.5	Pass
				-20	3.85	-4.13	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.60	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.85	-0.00	-2.5 to 2.5	Pass
				10	3.85	-4.46	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.90	-0.00	-2.5 to 2.5	Pass
	40	3.85	-4.43	-0.00	-2.5 to 2.5	Pass			
	50	3.85	-7.01	-0.00	-2.5 to 2.5	Pass			
	2645	100	0	20	3.27	-2.77	-0.00	-2.5 to 2.5	Pass
					3.85	-3.06	-0.00	-2.5 to 2.5	Pass
					4.43	-4.63	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.81	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-8.08	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.12	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.15	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.96	-0.00	-2.5 to 2.5	Pass
30				3.85	-0.63	-0.00	-2.5 to 2.5	Pass	
40				3.85	-3.89	-0.00	-2.5 to 2.5	Pass	
50	3.85	-3.69	-0.00	-2.5 to 2.5	Pass				
64QAM	2545	100	0	20	3.27	-1.65	-0.00	-2.5 to 2.5	Pass
					3.85	-3.13	-0.00	-2.5 to 2.5	Pass
					4.43	-3.76	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.27	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-4.15	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.35	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.10	0.00	-2.5 to 2.5	Pass
				10	3.85	-2.98	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100027RF16

				30	3.85	-2.85	-0.00	-2.5 to 2.5	Pass			
				40	3.85	-3.71	-0.00	-2.5 to 2.5	Pass			
				50	3.85	-2.07	-0.00	-2.5 to 2.5	Pass			
	2595	100	0	20	3.27	-4.93	-0.00	-2.5 to 2.5	Pass			
3.85					-3.52	-0.00	-2.5 to 2.5	Pass				
4.43					-4.02	-0.00	-2.5 to 2.5	Pass				
							-30	3.85	-5.35	-0.00	-2.5 to 2.5	Pass
							-20	3.85	-4.83	-0.00	-2.5 to 2.5	Pass
							-10	3.85	-5.69	-0.00	-2.5 to 2.5	Pass
							0	3.85	-4.76	-0.00	-2.5 to 2.5	Pass
							10	3.85	-6.82	-0.00	-2.5 to 2.5	Pass
							30	3.85	-6.85	-0.00	-2.5 to 2.5	Pass
							40	3.85	-5.74	-0.00	-2.5 to 2.5	Pass
							50	3.85	-0.64	-0.00	-2.5 to 2.5	Pass
				2645	100	0	20	3.27	-3.00	-0.00	-2.5 to 2.5	Pass
3.85	-4.81	-0.00	-2.5 to 2.5					Pass				
4.43	-5.19	-0.00	-2.5 to 2.5					Pass				
							-30	3.85	-5.81	-0.00	-2.5 to 2.5	Pass
							-20	3.85	-5.49	-0.00	-2.5 to 2.5	Pass
							-10	3.85	-5.98	-0.00	-2.5 to 2.5	Pass
							0	3.85	-4.12	-0.00	-2.5 to 2.5	Pass
							10	3.85	-5.59	-0.00	-2.5 to 2.5	Pass
							30	3.85	-6.34	-0.00	-2.5 to 2.5	Pass
							40	3.85	-2.20	-0.00	-2.5 to 2.5	Pass
				50	3.85	-4.26	-0.00	-2.5 to 2.5	Pass			



BUREAU
VERITAS

Test Report No.: W7L-P21100027RF16

99% & 26DB BANDWIDTH

BAND41_OBW

TEST RESULT

Band: 41 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2537.5	25	0	4.548	Pass
		2595	25	0	4.555	Pass
		2652.5	25	0	4.550	Pass
	16QAM	2537.5	25	0	4.551	Pass
		2595	25	0	4.539	Pass
		2652.5	25	0	4.550	Pass
	64QAM	2537.5	25	0	4.549	Pass
		2595	25	0	4.543	Pass
		2652.5	25	0	4.561	Pass
10	QPSK	2540	50	0	9.054	Pass
		2595	50	0	9.058	Pass
		2650	50	0	9.064	Pass
	16QAM	2540	50	0	9.020	Pass
		2595	50	0	9.024	Pass
		2650	50	0	9.047	Pass
	64QAM	2540	50	0	9.046	Pass
		2595	50	0	9.068	Pass
		2650	50	0	9.027	Pass
15	QPSK	2542.5	75	0	13.598	Pass
		2595	75	0	13.566	Pass
		2647.5	75	0	13.528	Pass
	16QAM	2542.5	75	0	13.558	Pass
		2595	75	0	13.639	Pass
		2647.5	75	0	13.610	Pass

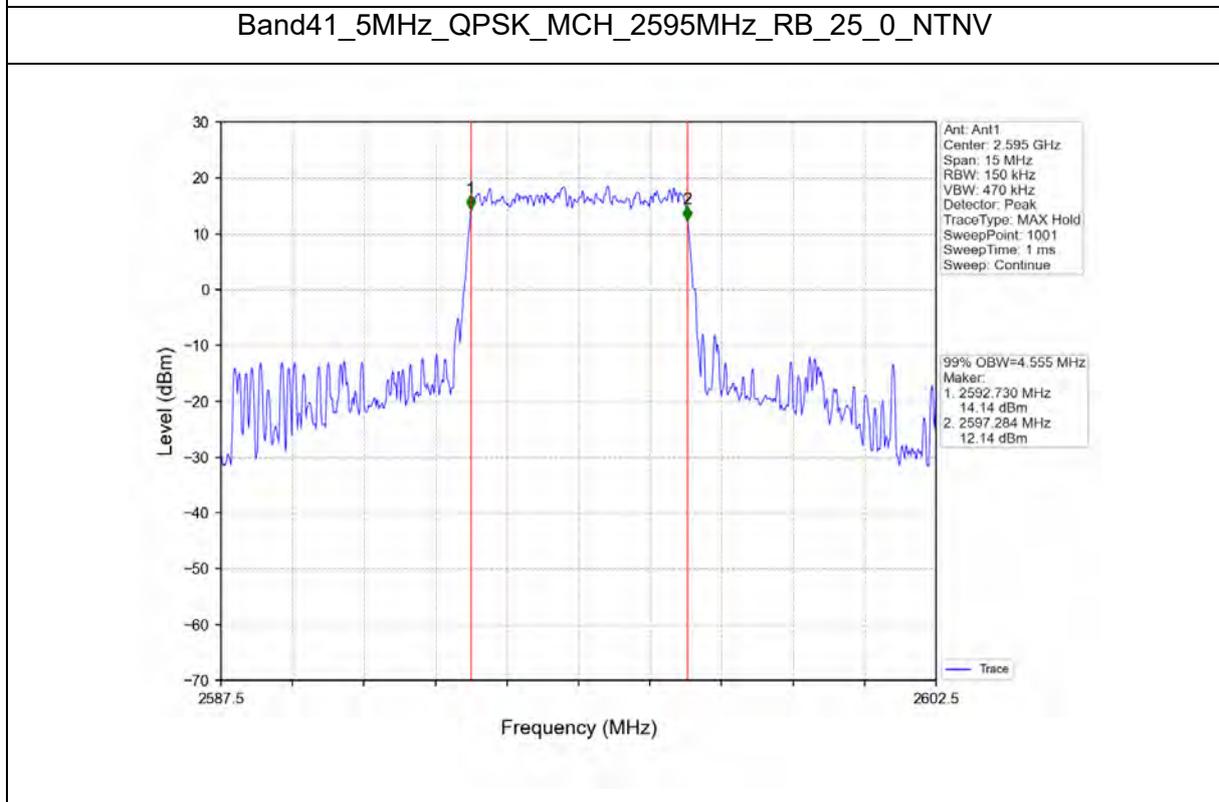
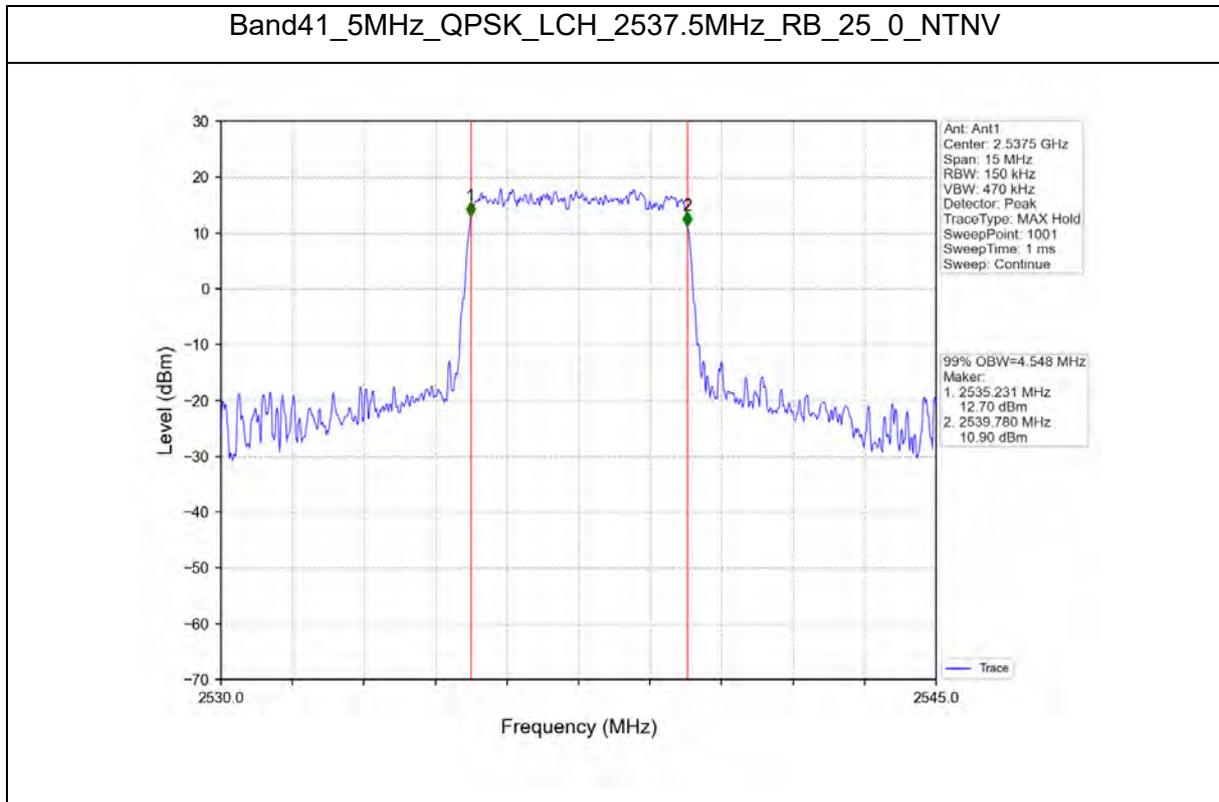


BUREAU
VERITAS

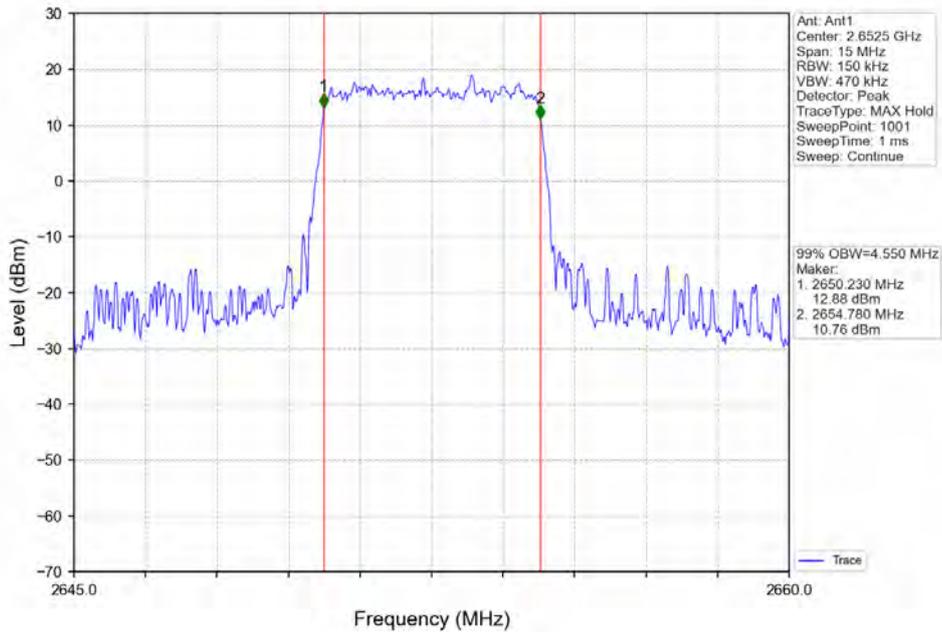
Test Report No.: W7L-P21100027RF16

	64QAM	2542.5	75	0	13.550	Pass
		2595	75	0	13.594	Pass
		2647.5	75	0	13.540	Pass
20	QPSK	2545	100	0	18.126	Pass
		2595	100	0	18.040	Pass
		2645	100	0	18.013	Pass
	16QAM	2545	100	0	18.086	Pass
		2595	100	0	18.072	Pass
		2645	100	0	18.038	Pass
	64QAM	2545	100	0	18.036	Pass
		2595	100	0	18.074	Pass
		2645	100	0	18.064	Pass

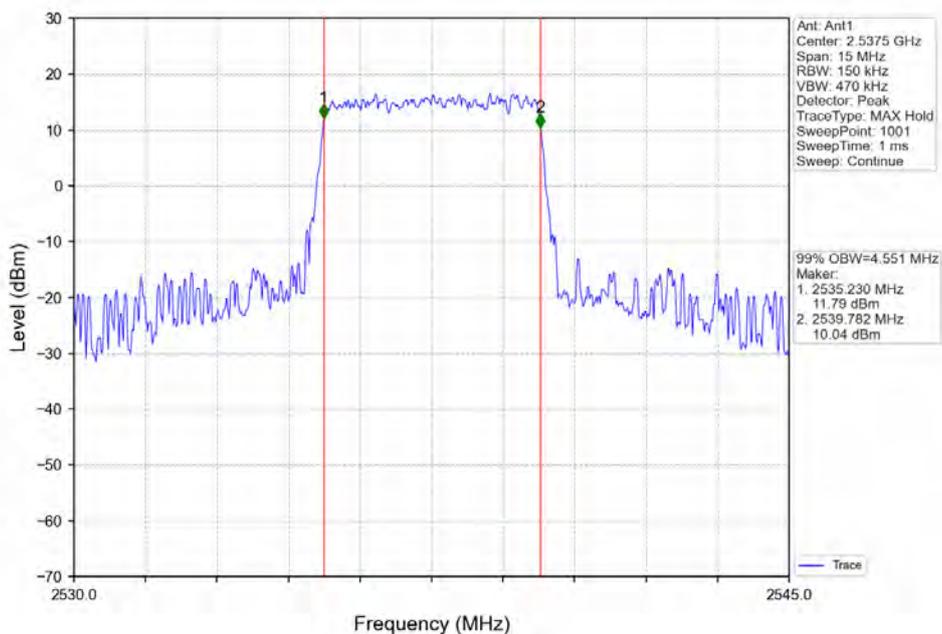
TEST GRAPH



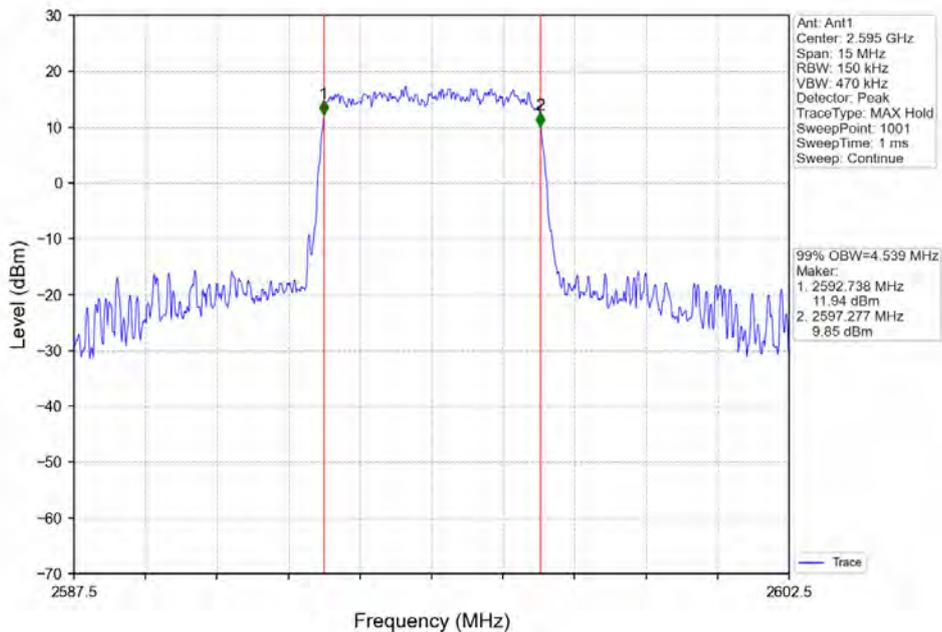
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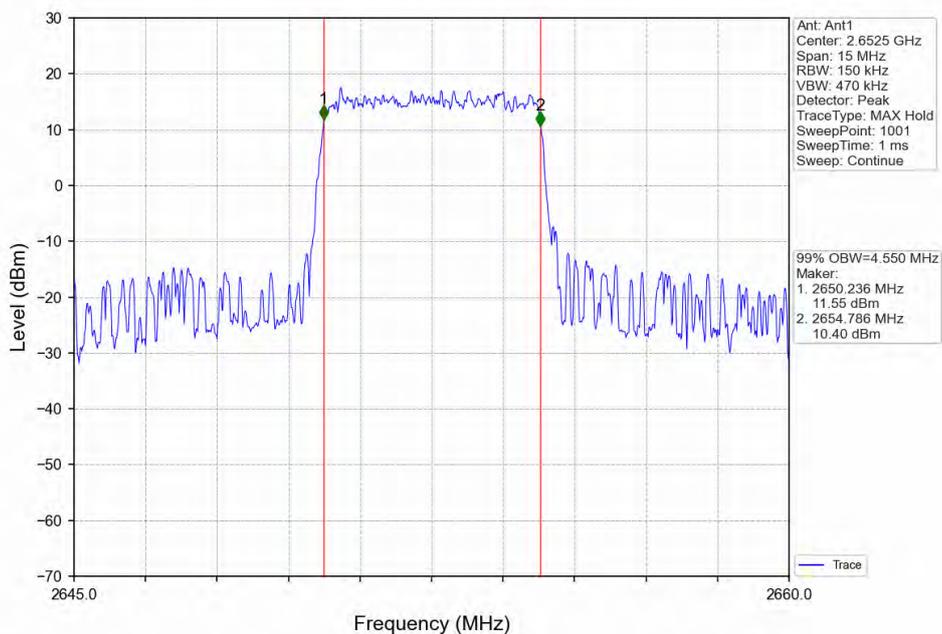
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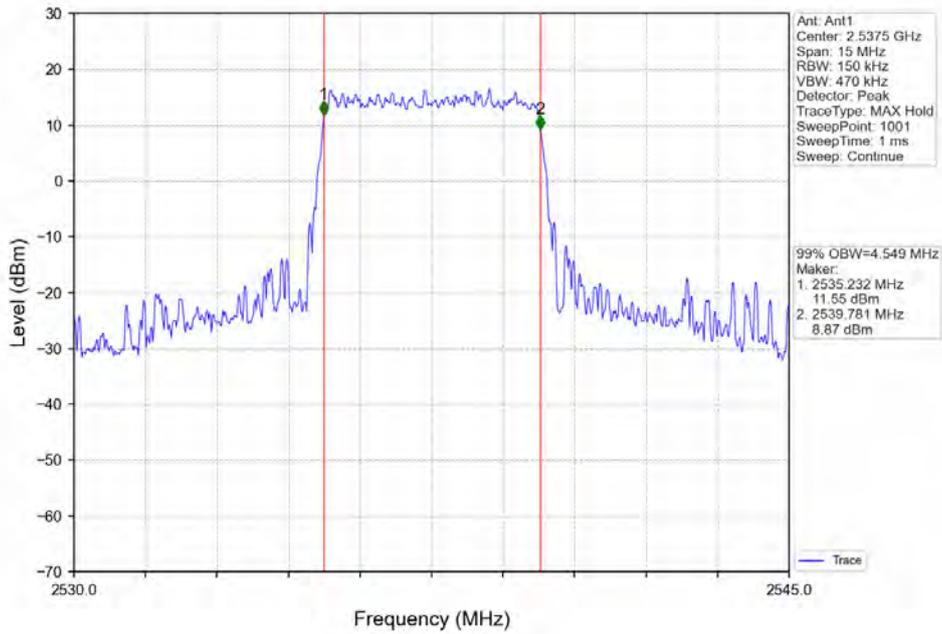
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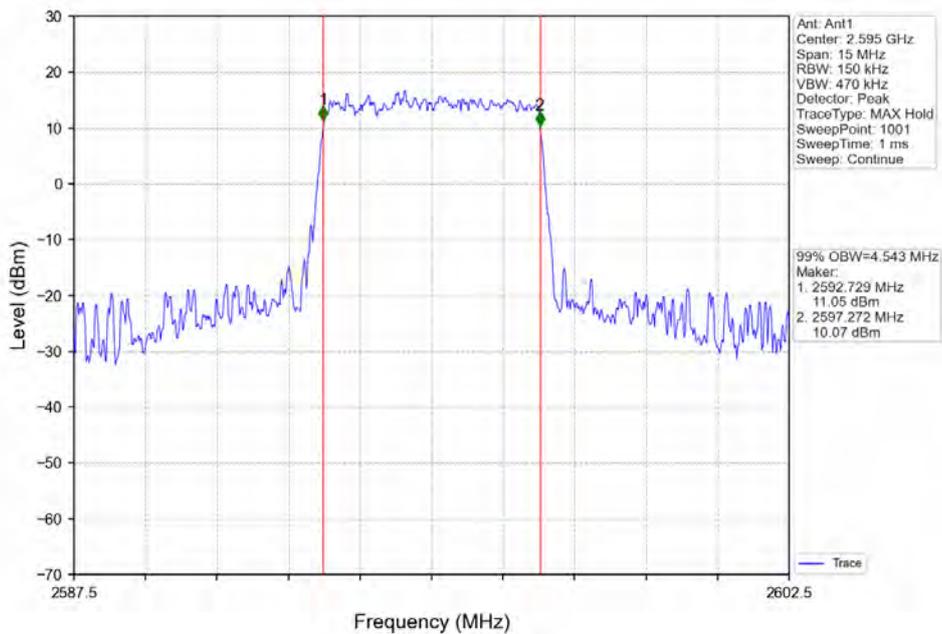
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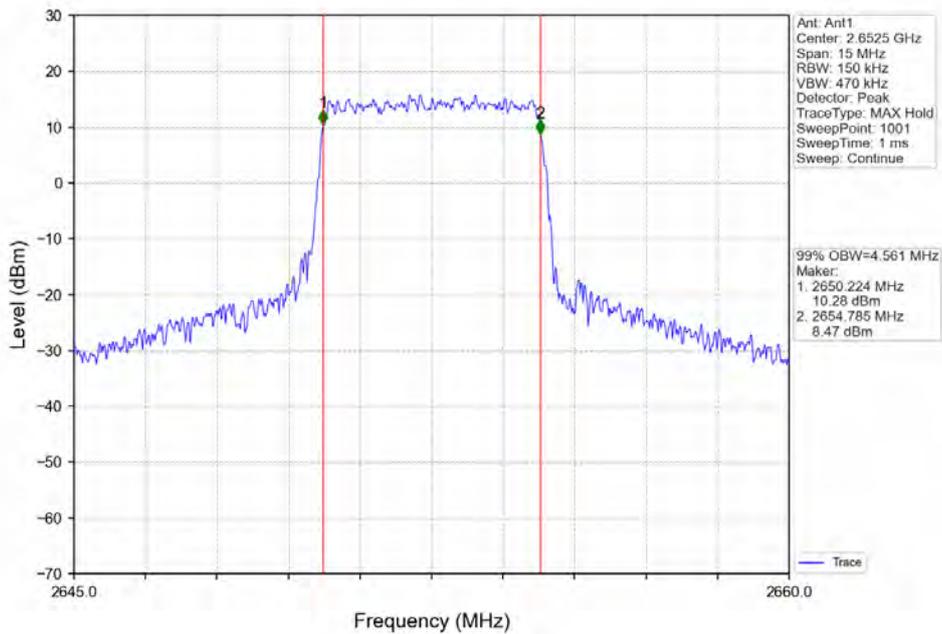
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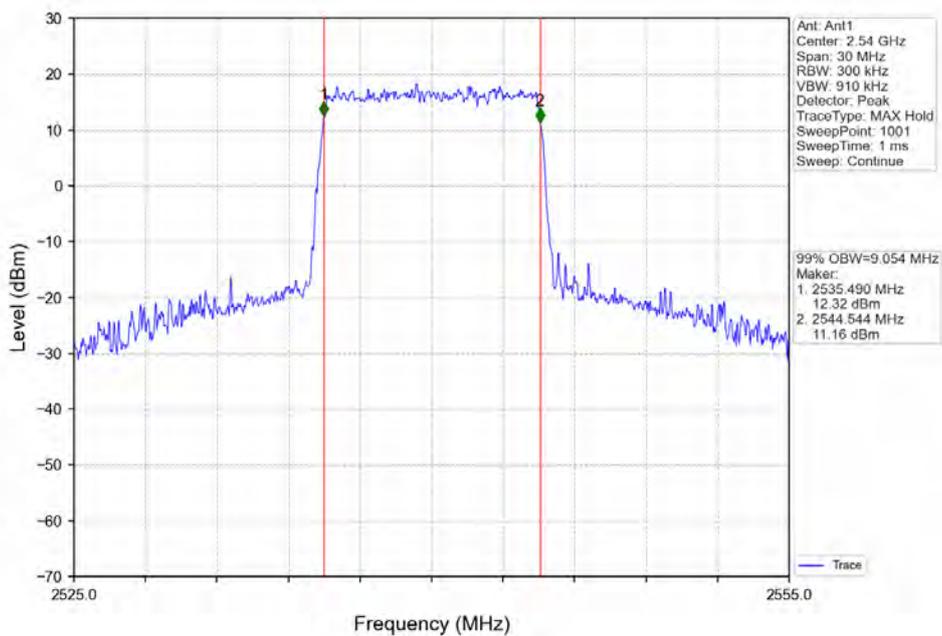
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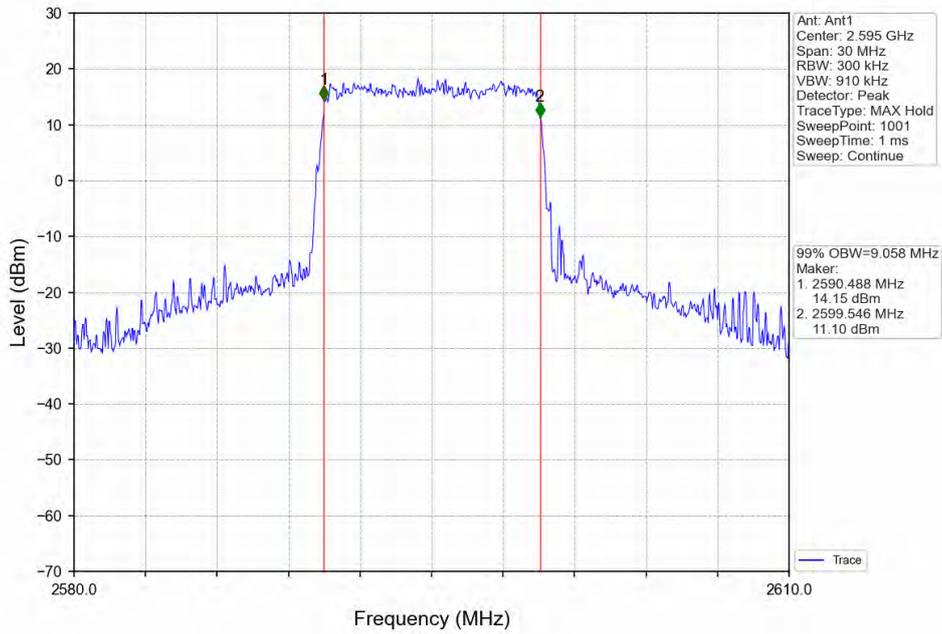
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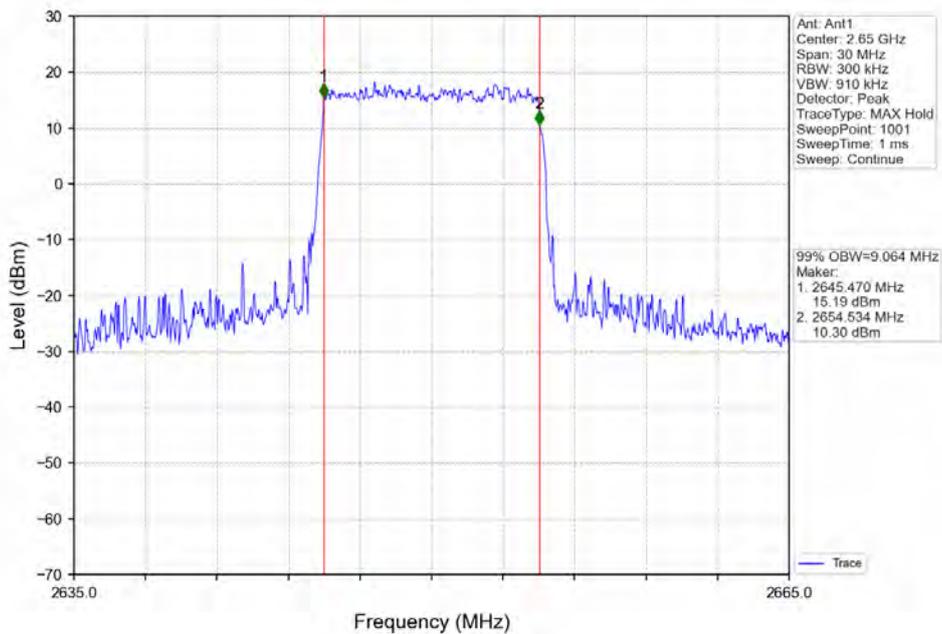
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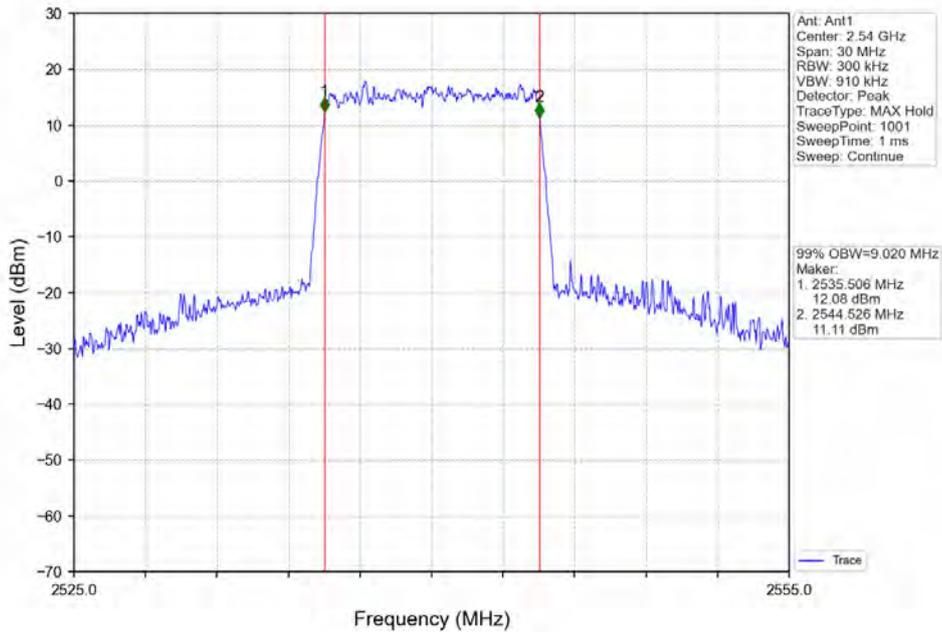
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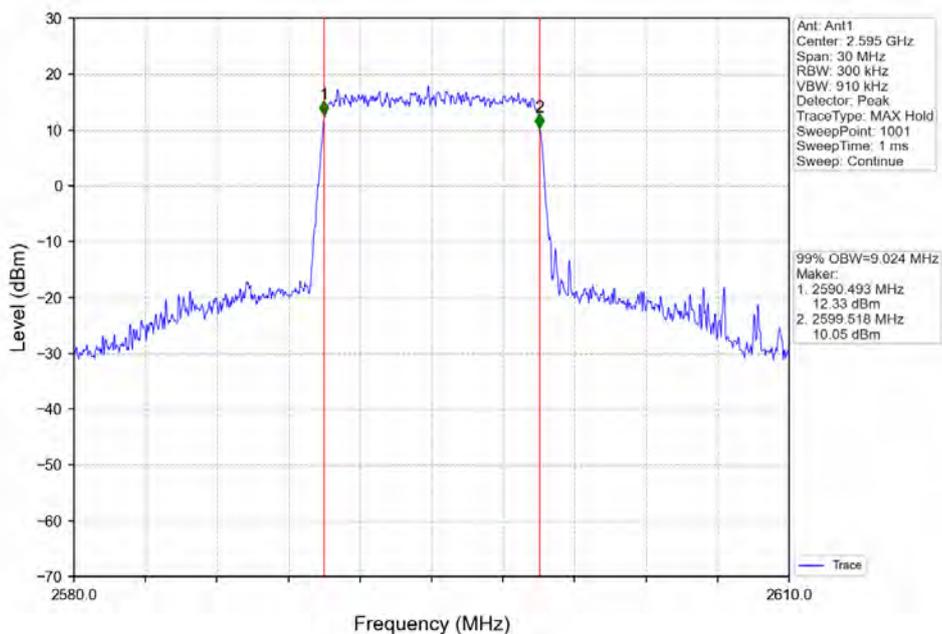
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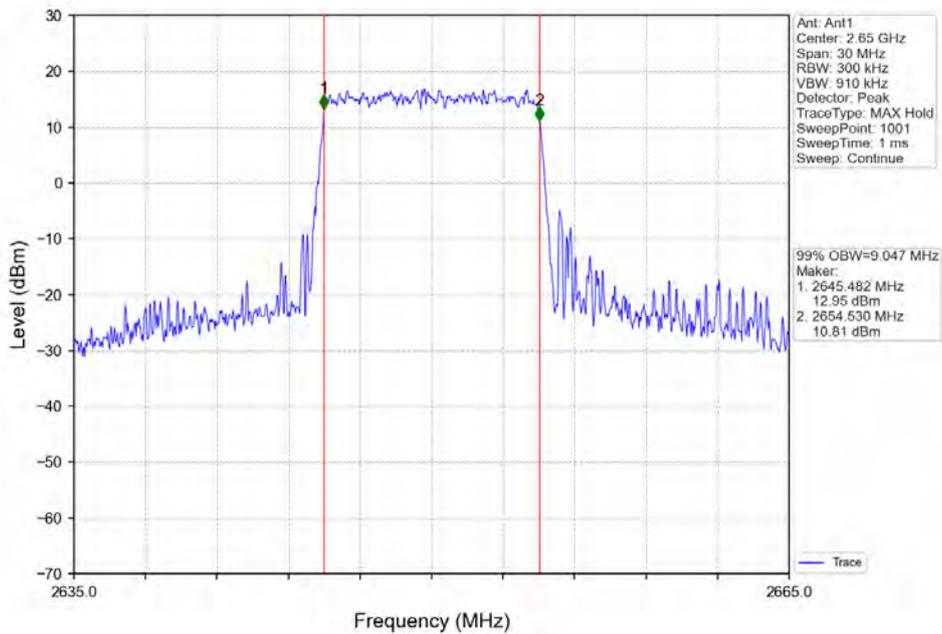
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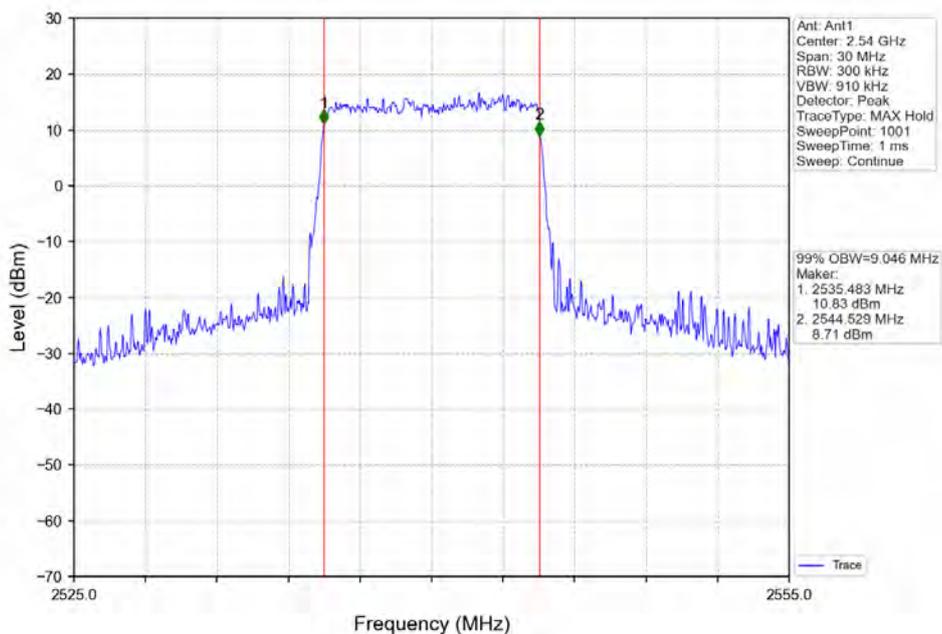
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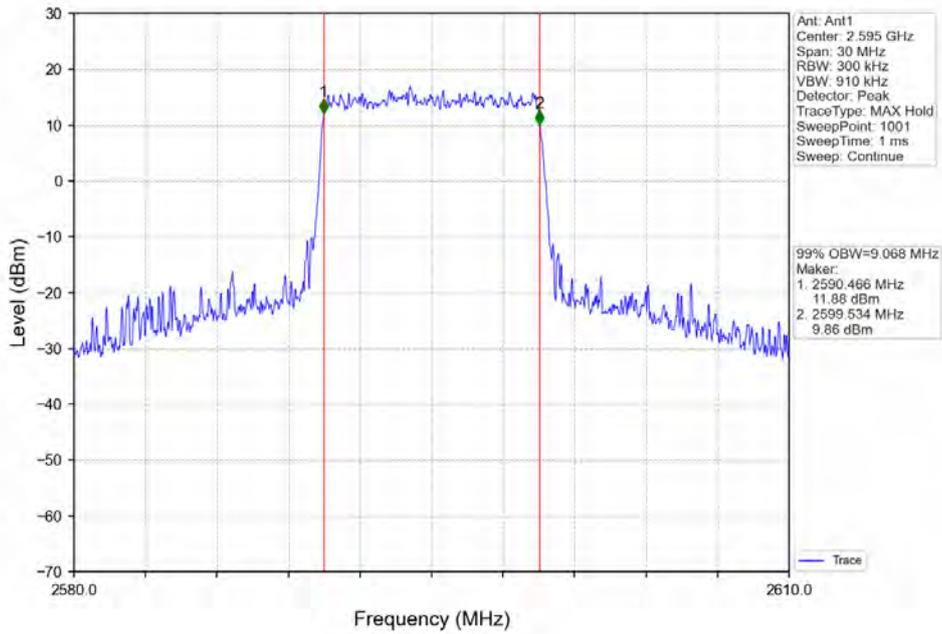
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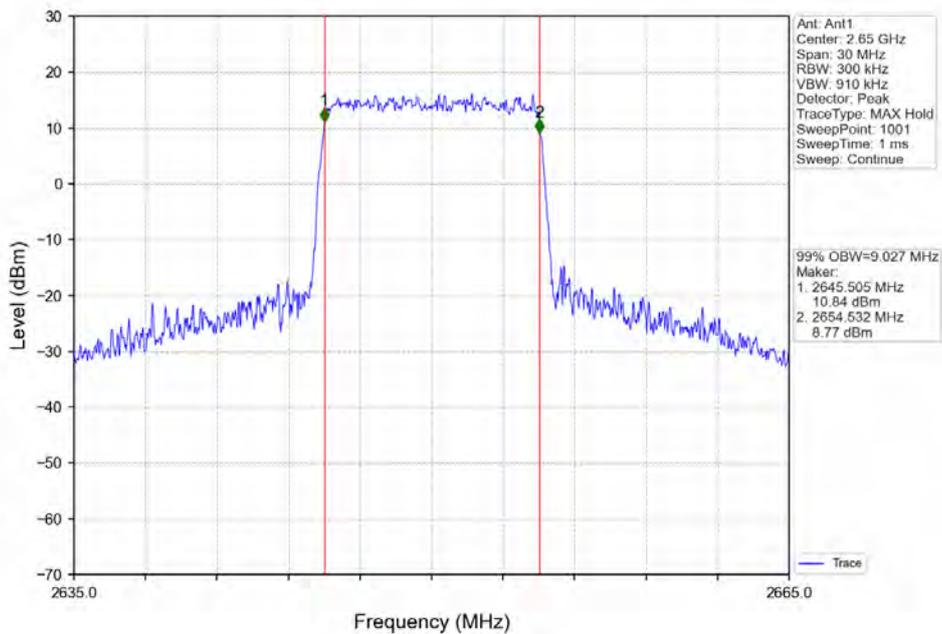
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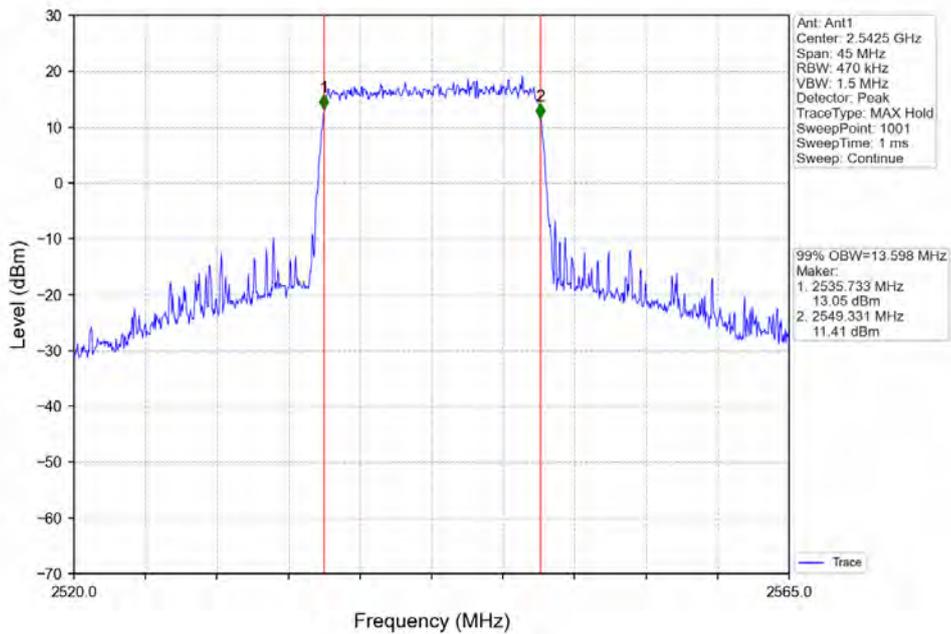
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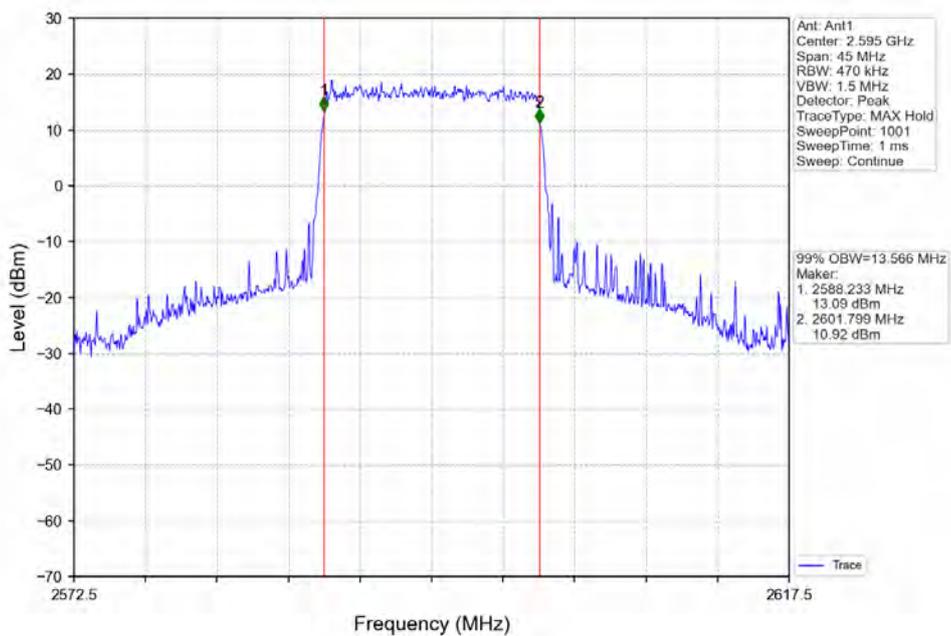
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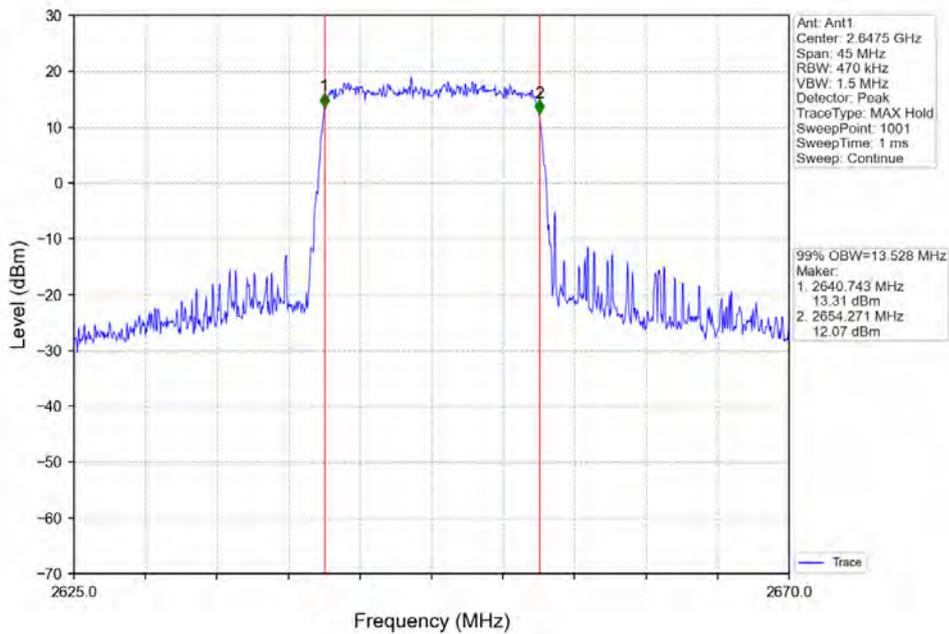
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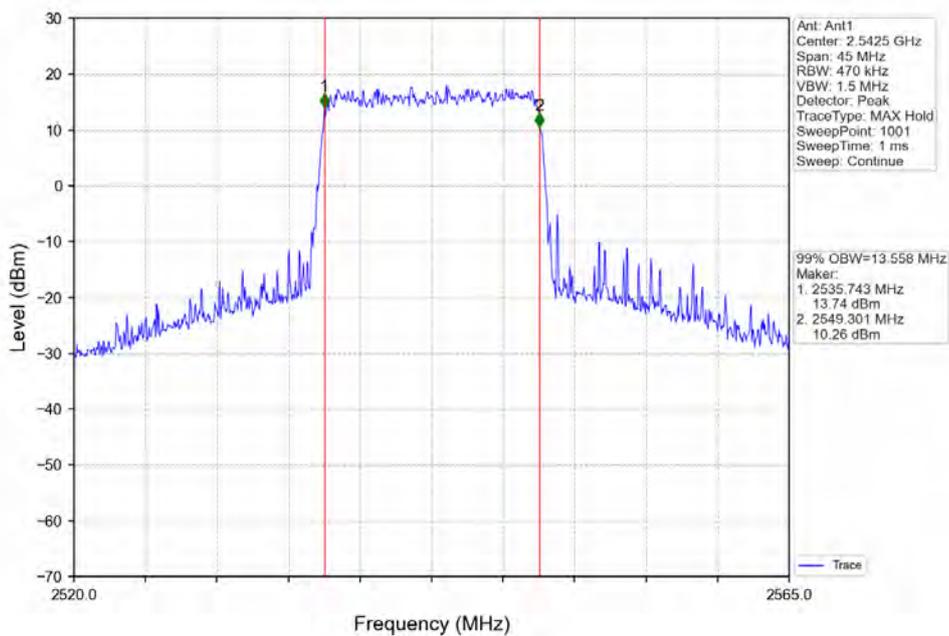
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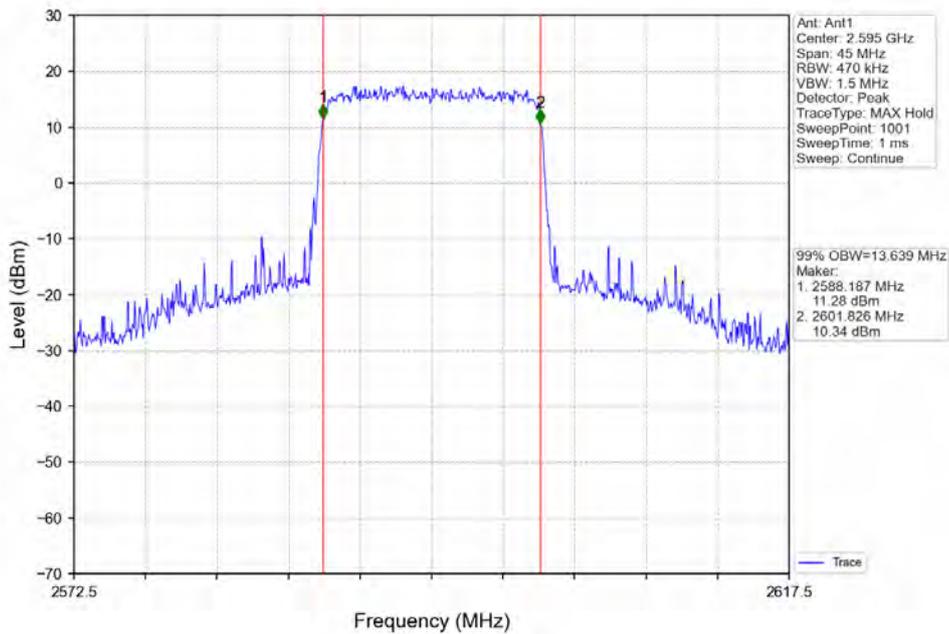
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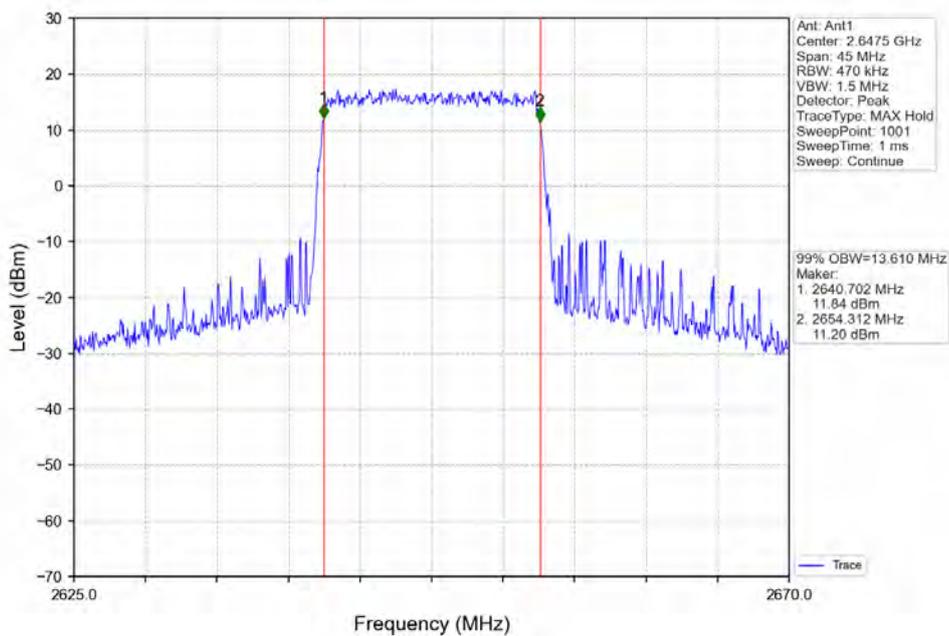
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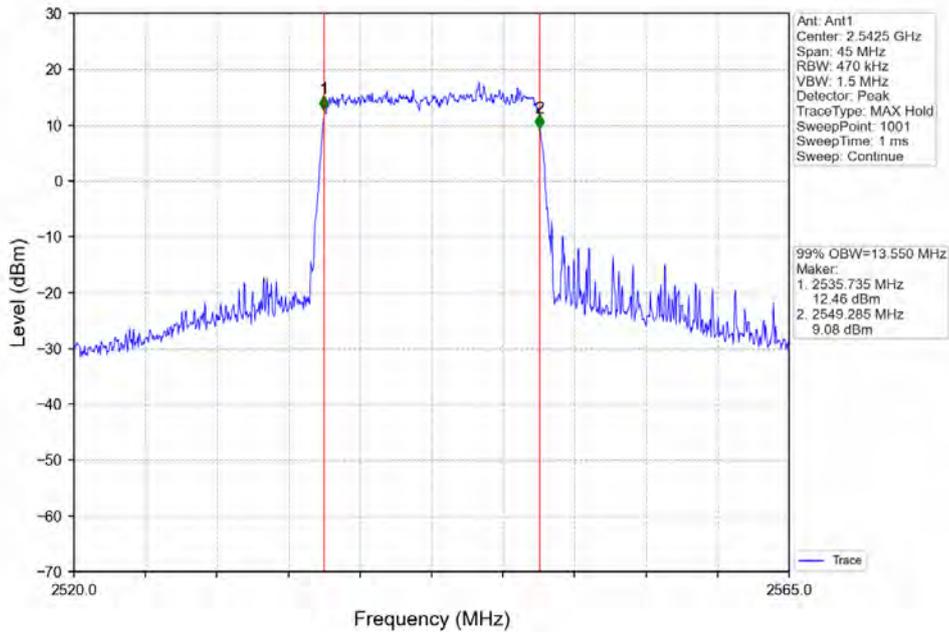
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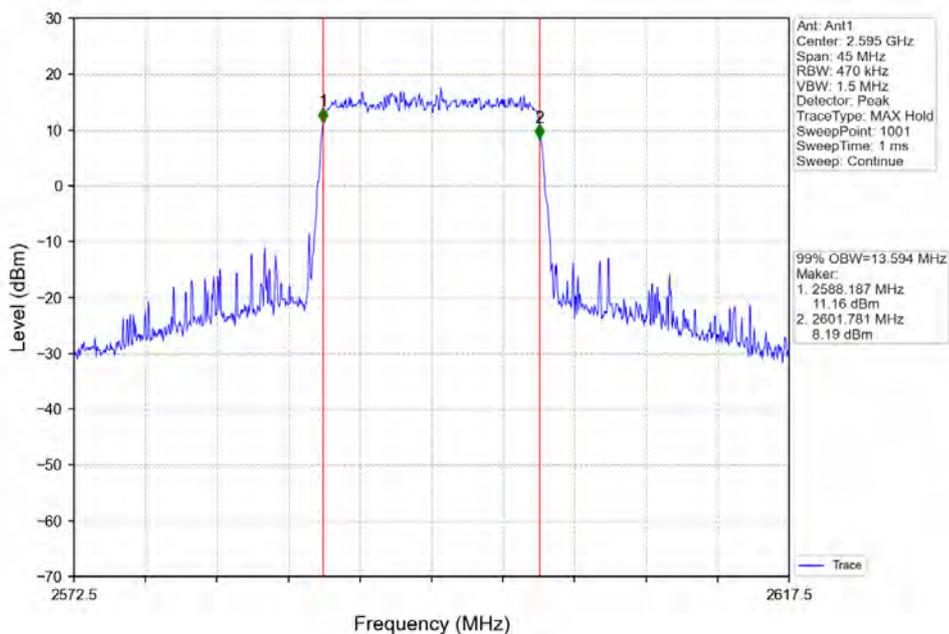
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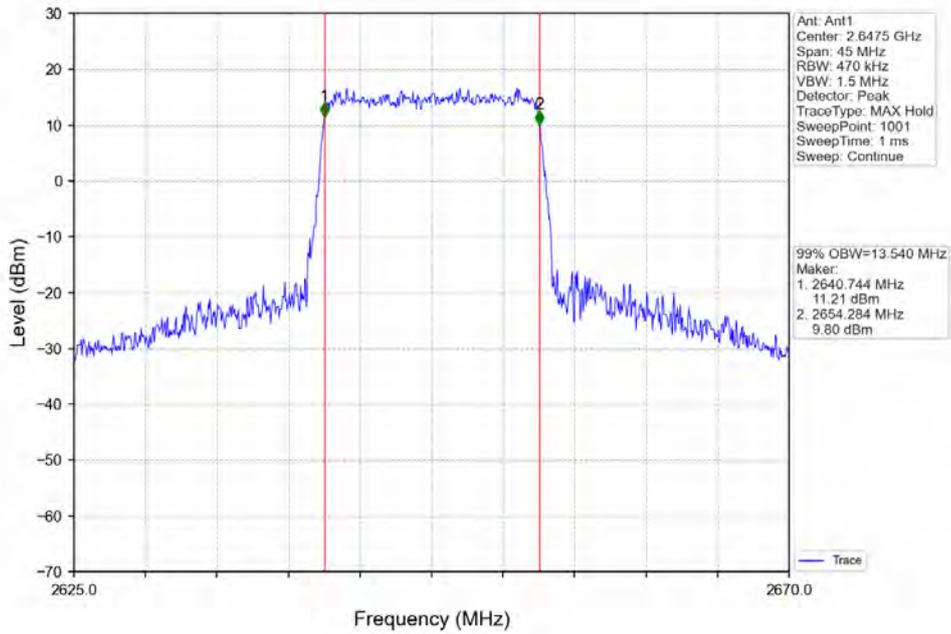
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Band41_15MHz_64QAM_HCH_2647.5MHz_RB_75_0_NTNV



Band41_20MHz_QPSK_LCH_2545MHz_RB_100_0_NTNV

