

Appendix N for KSCR220400050308

1. Effective (Isotropic) Radiated Power Output Data

1.1 B12\_1.4MHz\_ERP

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	699.7	1	0	23.60	1.40	22.85	<=34.77	Pass	
			2	23.73	1.40	22.98	<=34.77	Pass	
			5	23.67	1.40	22.92	<=34.77	Pass	
		3	0	23.80	1.40	23.05	<=34.77	Pass	
			2	23.82	1.40	23.07	<=34.77	Pass	
			3	23.80	1.40	23.05	<=34.77	Pass	
	6	0	22.73	1.40	21.98	<=34.77	Pass		
	707.5	1	0	23.92	1.40	23.17	<=34.77	Pass	
			2	23.99	1.40	23.24	<=34.77	Pass	
			5	24.05	1.40	23.30	<=34.77	Pass	
		3	0	23.81	1.40	23.06	<=34.77	Pass	
			2	24.03	1.40	23.28	<=34.77	Pass	
			3	23.89	1.40	23.14	<=34.77	Pass	
	6	0	23.03	1.40	22.28	<=34.77	Pass		
	715.3	1	0	23.95	1.40	23.20	<=34.77	Pass	
			2	23.87	1.40	23.12	<=34.77	Pass	
			5	23.87	1.40	23.12	<=34.77	Pass	
		3	0	23.66	1.40	22.91	<=34.77	Pass	
			2	23.80	1.40	23.05	<=34.77	Pass	
			3	23.70	1.40	22.95	<=34.77	Pass	
	6	0	22.60	1.40	21.85	<=34.77	Pass		
	16QAM	699.7	1	0	23.20	1.40	22.45	<=34.77	Pass
				2	23.47	1.40	22.72	<=34.77	Pass
				5	23.51	1.40	22.76	<=34.77	Pass
3			0	22.63	1.40	21.88	<=34.77	Pass	
			2	22.80	1.40	22.05	<=34.77	Pass	
			3	22.68	1.40	21.93	<=34.77	Pass	
6		0	21.72	1.40	20.97	<=34.77	Pass		
707.5		1	0	23.07	1.40	22.32	<=34.77	Pass	
			2	23.11	1.40	22.36	<=34.77	Pass	
			5	22.79	1.40	22.04	<=34.77	Pass	
		3	0	22.80	1.40	22.05	<=34.77	Pass	
			2	22.95	1.40	22.20	<=34.77	Pass	
			3	22.89	1.40	22.14	<=34.77	Pass	
6		0	21.68	1.40	20.93	<=34.77	Pass		
715.3		1	0	22.98	1.40	22.23	<=34.77	Pass	
			2	22.84	1.40	22.09	<=34.77	Pass	
			5	22.95	1.40	22.20	<=34.77	Pass	

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64QAM	699.7	3	0	22.60	1.40	21.85	<=34.77	Pass
			2	22.81	1.40	22.06	<=34.77	Pass
			3	22.74	1.40	21.99	<=34.77	Pass
		6	0	21.61	1.40	20.86	<=34.77	Pass
			0	21.40	1.40	20.65	<=34.77	Pass
			2	21.57	1.40	20.82	<=34.77	Pass
	707.5	1	5	21.39	1.40	20.64	<=34.77	Pass
			0	21.90	1.40	21.15	<=34.77	Pass
			2	21.93	1.40	21.18	<=34.77	Pass
		3	3	21.94	1.40	21.19	<=34.77	Pass
			0	20.75	1.40	20.00	<=34.77	Pass
			0	21.52	1.40	20.77	<=34.77	Pass
	715.3	1	2	21.62	1.40	20.87	<=34.77	Pass
			5	21.66	1.40	20.91	<=34.77	Pass
			0	21.80	1.40	21.05	<=34.77	Pass
		3	2	21.79	1.40	21.04	<=34.77	Pass
			3	21.87	1.40	21.12	<=34.77	Pass
			0	20.87	1.40	20.12	<=34.77	Pass
	715.3	1	0	22.24	1.40	21.49	<=34.77	Pass
			2	22.16	1.40	21.41	<=34.77	Pass
			5	22.01	1.40	21.26	<=34.77	Pass
		3	0	21.54	1.40	20.79	<=34.77	Pass
			2	21.71	1.40	20.96	<=34.77	Pass
			3	21.89	1.40	21.14	<=34.77	Pass
	6	0	20.41	1.40	19.66	<=34.77	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B12\_3MHz\_ERP

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	24.13	1.40	23.38	<=34.77	Pass
			7	24.11	1.40	23.36	<=34.77	Pass
			14	23.65	1.40	22.90	<=34.77	Pass
		8	0	22.73	1.40	21.98	<=34.77	Pass
			4	22.79	1.40	22.04	<=34.77	Pass
			7	22.71	1.40	21.96	<=34.77	Pass
	15	0	22.66	1.40	21.91	<=34.77	Pass	
	707.5	1	0	23.55	1.40	22.80	<=34.77	Pass
			7	23.94	1.40	23.19	<=34.77	Pass
			14	23.70	1.40	22.95	<=34.77	Pass
		8	0	22.92	1.40	22.17	<=34.77	Pass
			4	22.99	1.40	22.24	<=34.77	Pass
			7	23.01	1.40	22.26	<=34.77	Pass
	15	0	22.90	1.40	22.15	<=34.77	Pass	
	714.5	1	0	23.91	1.40	23.16	<=34.77	Pass



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16QAM	700.5	8	7	24.11	1.40	23.36	<=34.77	Pass	
			14	23.90	1.40	23.15	<=34.77	Pass	
			0	22.85	1.40	22.10	<=34.77	Pass	
		4	22.87	1.40	22.12	<=34.77	Pass		
		7	22.71	1.40	21.96	<=34.77	Pass		
	15	0	22.83	1.40	22.08	<=34.77	Pass		
	707.5	1	0	23.19	1.40	22.44	<=34.77	Pass	
			7	23.32	1.40	22.57	<=34.77	Pass	
			14	22.94	1.40	22.19	<=34.77	Pass	
		8	0	21.90	1.40	21.15	<=34.77	Pass	
			4	21.90	1.40	21.15	<=34.77	Pass	
			7	21.88	1.40	21.13	<=34.77	Pass	
		15	0	21.70	1.40	20.95	<=34.77	Pass	
		714.5	1	0	23.20	1.40	22.45	<=34.77	Pass
				7	23.23	1.40	22.48	<=34.77	Pass
14	23.51			1.40	22.76	<=34.77	Pass		
8	0		22.06	1.40	21.31	<=34.77	Pass		
	4		21.86	1.40	21.11	<=34.77	Pass		
	7		21.67	1.40	20.92	<=34.77	Pass		
15	0		21.77	1.40	21.02	<=34.77	Pass		
64QAM	700.5		1	0	23.02	1.40	22.27	<=34.77	Pass
				7	22.81	1.40	22.06	<=34.77	Pass
		14		22.62	1.40	21.87	<=34.77	Pass	
		8	0	21.64	1.40	20.89	<=34.77	Pass	
			4	21.84	1.40	21.09	<=34.77	Pass	
			7	21.72	1.40	20.97	<=34.77	Pass	
		15	0	21.85	1.40	21.10	<=34.77	Pass	
		707.5	1	0	21.87	1.40	21.12	<=34.77	Pass
				7	22.60	1.40	21.85	<=34.77	Pass
14	22.25			1.40	21.50	<=34.77	Pass		
8	0		21.06	1.40	20.31	<=34.77	Pass		
	4		20.71	1.40	19.96	<=34.77	Pass		
	7		20.62	1.40	19.87	<=34.77	Pass		
15	0		20.61	1.40	19.86	<=34.77	Pass		
714.5	1		0	21.24	1.40	20.49	<=34.77	Pass	
			7	21.59	1.40	20.84	<=34.77	Pass	
		14	21.47	1.40	20.72	<=34.77	Pass		
	8	0	20.40	1.40	19.65	<=34.77	Pass		
		4	20.46	1.40	19.71	<=34.77	Pass		
		7	20.61	1.40	19.86	<=34.77	Pass		
	15	0	20.87	1.40	20.12	<=34.77	Pass		
	714.5	1	0	21.44	1.40	20.69	<=34.77	Pass	
			7	21.64	1.40	20.89	<=34.77	Pass	
14			21.50	1.40	20.75	<=34.77	Pass		
8		0	20.63	1.40	19.88	<=34.77	Pass		
		4	20.53	1.40	19.78	<=34.77	Pass		
		7	20.49	1.40	19.74	<=34.77	Pass		
15		0	20.59	1.40	19.84	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.3 B12\_5MHz\_ERP

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	701.5	1	0	23.77	1.40	23.02	<=34.77	Pass		
			13	23.81	1.40	23.06	<=34.77	Pass		
			24	23.53	1.40	22.78	<=34.77	Pass		
		12	0	22.69	1.40	21.94	<=34.77	Pass		
			6	22.80	1.40	22.05	<=34.77	Pass		
			13	22.59	1.40	21.84	<=34.77	Pass		
		25	0	22.63	1.40	21.88	<=34.77	Pass		
			1	0	23.48	1.40	22.73	<=34.77	Pass	
				13	23.90	1.40	23.15	<=34.77	Pass	
	24	23.40		1.40	22.65	<=34.77	Pass			
	707.5	12	0	22.82	1.40	22.07	<=34.77	Pass		
			6	22.87	1.40	22.12	<=34.77	Pass		
			13	22.87	1.40	22.12	<=34.77	Pass		
		25	0	22.86	1.40	22.11	<=34.77	Pass		
			1	0	23.42	1.40	22.67	<=34.77	Pass	
				13	23.88	1.40	23.13	<=34.77	Pass	
	24	23.67		1.40	22.92	<=34.77	Pass			
	713.5	12	0	22.54	1.40	21.79	<=34.77	Pass		
			6	22.72	1.40	21.97	<=34.77	Pass		
			13	22.78	1.40	22.03	<=34.77	Pass		
		25	0	22.66	1.40	21.91	<=34.77	Pass		
			1	0	22.35	1.40	21.60	<=34.77	Pass	
				13	22.47	1.40	21.72	<=34.77	Pass	
	24	21.98		1.40	21.23	<=34.77	Pass			
16QAM	701.5	12	0	21.79	1.40	21.04	<=34.77	Pass		
			6	21.83	1.40	21.08	<=34.77	Pass		
			13	21.59	1.40	20.84	<=34.77	Pass		
		25	0	21.68	1.40	20.93	<=34.77	Pass		
			1	0	22.94	1.40	22.19	<=34.77	Pass	
				13	23.48	1.40	22.73	<=34.77	Pass	
		24		22.86	1.40	22.11	<=34.77	Pass		
		707.5	12	0	21.72	1.40	20.97	<=34.77	Pass	
				6	21.67	1.40	20.92	<=34.77	Pass	
	13			21.69	1.40	20.94	<=34.77	Pass		
	25		0	21.90	1.40	21.15	<=34.77	Pass		
			1	0	22.54	1.40	21.79	<=34.77	Pass	
				13	22.92	1.40	22.17	<=34.77	Pass	
	24	22.51		1.40	21.76	<=34.77	Pass			
	713.5	12	0	21.57	1.40	20.82	<=34.77	Pass		
			6	21.65	1.40	20.90	<=34.77	Pass		
			13	21.54	1.40	20.79	<=34.77	Pass		
		25	0	21.57	1.40	20.82	<=34.77	Pass		
			1	0	21.28	1.40	20.53	<=34.77	Pass	
				64QAM	701.5	1	0	21.28	1.40	20.53

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	707.5	12	13	21.73	1.40	20.98	<=34.77	Pass	
			24	21.39	1.40	20.64	<=34.77	Pass	
			0	20.64	1.40	19.89	<=34.77	Pass	
		25	6	20.74	1.40	19.99	<=34.77	Pass	
			13	20.36	1.40	19.61	<=34.77	Pass	
			0	20.59	1.40	19.84	<=34.77	Pass	
	713.5	1	0	22.03	1.40	21.28	<=34.77	Pass	
			13	22.05	1.40	21.30	<=34.77	Pass	
			24	21.60	1.40	20.85	<=34.77	Pass	
		12	0	20.94	1.40	20.19	<=34.77	Pass	
			6	21.12	1.40	20.37	<=34.77	Pass	
			13	20.74	1.40	19.99	<=34.77	Pass	
	713.5	25	0	20.73	1.40	19.98	<=34.77	Pass	
			1	0	21.20	1.40	20.45	<=34.77	Pass
			13	21.37	1.40	20.62	<=34.77	Pass	
		12	24	20.49	1.40	19.74	<=34.77	Pass	
			0	20.44	1.40	19.69	<=34.77	Pass	
			6	20.65	1.40	19.90	<=34.77	Pass	
	25	13	20.61	1.40	19.86	<=34.77	Pass		
		0	20.18	1.40	19.43	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 1.4 B12\_10MHz\_ERP

### 1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	704	1	0	24.07	1.40	23.32	<=34.77	Pass	
			25	24.05	1.40	23.30	<=34.77	Pass	
			49	23.75	1.40	23.00	<=34.77	Pass	
		25	0	22.74	1.40	21.99	<=34.77	Pass	
			13	22.72	1.40	21.97	<=34.77	Pass	
			25	22.70	1.40	21.95	<=34.77	Pass	
	707.5	50	0	22.72	1.40	21.97	<=34.77	Pass	
			1	0	23.58	1.40	22.83	<=34.77	Pass
			25	23.76	1.40	23.01	<=34.77	Pass	
		25	49	23.52	1.40	22.77	<=34.77	Pass	
			0	22.80	1.40	22.05	<=34.77	Pass	
			13	22.90	1.40	22.15	<=34.77	Pass	
	711	50	25	22.86	1.40	22.11	<=34.77	Pass	
			0	22.76	1.40	22.01	<=34.77	Pass	
			1	0	23.92	1.40	23.17	<=34.77	Pass
		25	25	24.18	1.40	23.43	<=34.77	Pass	
			49	23.55	1.40	22.80	<=34.77	Pass	
			0	22.82	1.40	22.07	<=34.77	Pass	
	25	13	22.89	1.40	22.14	<=34.77	Pass		
		25	22.76	1.40	22.01	<=34.77	Pass		

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		50	0	22.85	1.40	22.10	<=34.77	Pass		
16QAM	704	1	0	23.18	1.40	22.43	<=34.77	Pass		
			25	23.54	1.40	22.79	<=34.77	Pass		
			49	23.09	1.40	22.34	<=34.77	Pass		
		25	0	21.85	1.40	21.10	<=34.77	Pass		
			13	21.87	1.40	21.12	<=34.77	Pass		
			25	21.70	1.40	20.95	<=34.77	Pass		
	50	0	21.71	1.40	20.96	<=34.77	Pass			
	707.5	1	0	23.10	1.40	22.35	<=34.77	Pass		
			25	23.32	1.40	22.57	<=34.77	Pass		
			49	23.25	1.40	22.50	<=34.77	Pass		
		25	0	21.87	1.40	21.12	<=34.77	Pass		
			13	22.02	1.40	21.27	<=34.77	Pass		
			25	21.68	1.40	20.93	<=34.77	Pass		
		50	0	21.77	1.40	21.02	<=34.77	Pass		
		711	1	0	22.91	1.40	22.16	<=34.77	Pass	
				25	22.83	1.40	22.08	<=34.77	Pass	
	49			22.49	1.40	21.74	<=34.77	Pass		
	25		0	21.79	1.40	21.04	<=34.77	Pass		
			13	22.01	1.40	21.26	<=34.77	Pass		
			25	22.08	1.40	21.33	<=34.77	Pass		
	50		0	21.85	1.40	21.10	<=34.77	Pass		
	64QAM		704	1	0	21.38	1.40	20.63	<=34.77	Pass
					25	22.42	1.40	21.67	<=34.77	Pass
		49			22.27	1.40	21.52	<=34.77	Pass	
25		0		21.05	1.40	20.30	<=34.77	Pass		
		13		21.09	1.40	20.34	<=34.77	Pass		
		25		20.71	1.40	19.96	<=34.77	Pass		
50		0	20.78	1.40	20.03	<=34.77	Pass			
707.5		1	0	21.95	1.40	21.20	<=34.77	Pass		
			25	21.70	1.40	20.95	<=34.77	Pass		
			49	21.36	1.40	20.61	<=34.77	Pass		
		25	0	20.58	1.40	19.83	<=34.77	Pass		
			13	20.56	1.40	19.81	<=34.77	Pass		
			25	20.52	1.40	19.77	<=34.77	Pass		
		50	0	20.60	1.40	19.85	<=34.77	Pass		
		711	1	0	21.32	1.40	20.57	<=34.77	Pass	
				25	21.63	1.40	20.88	<=34.77	Pass	
49				21.11	1.40	20.36	<=34.77	Pass		
25			0	20.82	1.40	20.07	<=34.77	Pass		
			13	20.86	1.40	20.11	<=34.77	Pass		
			25	20.61	1.40	19.86	<=34.77	Pass		
50			0	20.80	1.40	20.05	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15



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## 2. Frequency Stability

### 2.1 B12\_1.4MHz

#### 2.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	6.12	15.580	0.0223	-2.5 to 2.5	Pass
					7.2	14.674	0.0210	-2.5 to 2.5	Pass
					8.28	12.109	0.0173	-2.5 to 2.5	Pass
				-30	7.2	9.231	0.0132	-2.5 to 2.5	Pass
				-20	7.2	6.774	0.0097	-2.5 to 2.5	Pass
				-10	7.2	5.030	0.0072	-2.5 to 2.5	Pass
				0	7.2	2.846	0.0041	-2.5 to 2.5	Pass
				10	7.2	2.211	0.0032	-2.5 to 2.5	Pass
				30	7.2	1.179	0.0017	-2.5 to 2.5	Pass
				40	7.2	0.108	0.0002	-2.5 to 2.5	Pass
				50	7.2	-0.058	-0.0001	-2.5 to 2.5	Pass
				707.5	6	0	20	6.12	5.719
	7.2	3.362	0.0048					-2.5 to 2.5	Pass
	8.28	1.367	0.0019					-2.5 to 2.5	Pass
	-30	7.2	1.296				0.0018	-2.5 to 2.5	Pass
	-20	7.2	0.453				0.0006	-2.5 to 2.5	Pass
	-10	7.2	1.108				0.0016	-2.5 to 2.5	Pass
	0	7.2	-0.405				-0.0006	-2.5 to 2.5	Pass
	10	7.2	0.557				0.0008	-2.5 to 2.5	Pass
	30	7.2	0.412				0.0006	-2.5 to 2.5	Pass
	40	7.2	-0.275				-0.0004	-2.5 to 2.5	Pass
	50	7.2	0.007				0.0000	-2.5 to 2.5	Pass
	715.3	6	0				20	6.12	0.335
				7.2	-0.100	-0.0001		-2.5 to 2.5	Pass
				8.28	0.134	0.0002		-2.5 to 2.5	Pass
				-30	7.2	-0.710	-0.0010	-2.5 to 2.5	Pass
				-20	7.2	-1.682	-0.0024	-2.5 to 2.5	Pass
				-10	7.2	-1.360	-0.0019	-2.5 to 2.5	Pass
				0	7.2	-1.324	-0.0019	-2.5 to 2.5	Pass
				10	7.2	0.585	0.0008	-2.5 to 2.5	Pass
30				7.2	-0.486	-0.0007	-2.5 to 2.5	Pass	
40				7.2	0.290	0.0004	-2.5 to 2.5	Pass	
50				7.2	-0.886	-0.0012	-2.5 to 2.5	Pass	
16QAM				699.7	6	0	20	6.12	-0.405
	7.2	-0.236	-0.0003					-2.5 to 2.5	Pass
	8.28	-0.360	-0.0005					-2.5 to 2.5	Pass
	-30	7.2	-1.227				-0.0018	-2.5 to 2.5	Pass
	-20	7.2	-0.639				-0.0009	-2.5 to 2.5	Pass
	-10	7.2	-1.666				-0.0024	-2.5 to 2.5	Pass
	0	7.2	-0.869				-0.0012	-2.5 to 2.5	Pass



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	707.5	6	0	10	7.2	-1.187	-0.0017	-2.5 to 2.5	Pass
				30	7.2	0.410	0.0006	-2.5 to 2.5	Pass
				40	7.2	-0.938	-0.0013	-2.5 to 2.5	Pass
				50	7.2	-0.912	-0.0013	-2.5 to 2.5	Pass
				20	6.12	-1.687	-0.0024	-2.5 to 2.5	Pass
					7.2	-1.545	-0.0022	-2.5 to 2.5	Pass
					8.28	-1.663	-0.0024	-2.5 to 2.5	Pass
				-30	7.2	-1.321	-0.0019	-2.5 to 2.5	Pass
				-20	7.2	-1.889	-0.0027	-2.5 to 2.5	Pass
				-10	7.2	-1.491	-0.0021	-2.5 to 2.5	Pass
				0	7.2	-1.508	-0.0021	-2.5 to 2.5	Pass
				10	7.2	-2.084	-0.0029	-2.5 to 2.5	Pass
	30	7.2	-1.315	-0.0019	-2.5 to 2.5	Pass			
	40	7.2	-1.913	-0.0027	-2.5 to 2.5	Pass			
	50	7.2	-2.623	-0.0037	-2.5 to 2.5	Pass			
	715.3	6	0	20	6.12	-0.631	-0.0009	-2.5 to 2.5	Pass
					7.2	-0.927	-0.0013	-2.5 to 2.5	Pass
					8.28	-0.083	-0.0001	-2.5 to 2.5	Pass
				-30	7.2	-1.382	-0.0019	-2.5 to 2.5	Pass
				-20	7.2	-1.741	-0.0024	-2.5 to 2.5	Pass
				-10	7.2	-0.623	-0.0009	-2.5 to 2.5	Pass
				0	7.2	-0.406	-0.0006	-2.5 to 2.5	Pass
				10	7.2	-1.134	-0.0016	-2.5 to 2.5	Pass
				30	7.2	-0.711	-0.0010	-2.5 to 2.5	Pass
40				7.2	-0.946	-0.0013	-2.5 to 2.5	Pass	
50				7.2	-0.603	-0.0008	-2.5 to 2.5	Pass	
64QAM				699.7	6	0	20	6.12	-1.033
	7.2	-1.141	-0.0016					-2.5 to 2.5	Pass
	8.28	-0.552	-0.0008					-2.5 to 2.5	Pass
	-30	7.2	-0.812				-0.0012	-2.5 to 2.5	Pass
	-20	7.2	-0.091				-0.0001	-2.5 to 2.5	Pass
	-10	7.2	-0.826				-0.0012	-2.5 to 2.5	Pass
	0	7.2	-1.059				-0.0015	-2.5 to 2.5	Pass
	10	7.2	-1.428				-0.0020	-2.5 to 2.5	Pass
	30	7.2	-1.235				-0.0018	-2.5 to 2.5	Pass
	40	7.2	-0.980				-0.0014	-2.5 to 2.5	Pass
	50	7.2	-1.489				-0.0021	-2.5 to 2.5	Pass
	707.5	6	0				20	6.12	-0.382
				7.2	-1.349	-0.0019		-2.5 to 2.5	Pass
				8.28	-0.258	-0.0004		-2.5 to 2.5	Pass
				-30	7.2	-1.534	-0.0022	-2.5 to 2.5	Pass
				-20	7.2	-0.835	-0.0012	-2.5 to 2.5	Pass
				-10	7.2	-1.390	-0.0020	-2.5 to 2.5	Pass
				0	7.2	-2.045	-0.0029	-2.5 to 2.5	Pass
				10	7.2	-1.669	-0.0024	-2.5 to 2.5	Pass
				30	7.2	-0.983	-0.0014	-2.5 to 2.5	Pass
				40	7.2	-0.236	-0.0003	-2.5 to 2.5	Pass
				50	7.2	-1.295	-0.0018	-2.5 to 2.5	Pass
				715.3	6	0	20	6.12	-0.975
	7.2	-1.536	-0.0021					-2.5 to 2.5	Pass
8.28	-1.216	-0.0017	-2.5 to 2.5					Pass	



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				-30	7.2	-0.190	-0.0003	-2.5 to 2.5	Pass
				-20	7.2	-1.373	-0.0019	-2.5 to 2.5	Pass
				-10	7.2	-0.310	-0.0004	-2.5 to 2.5	Pass
				0	7.2	-0.154	-0.0002	-2.5 to 2.5	Pass
				10	7.2	-0.909	-0.0013	-2.5 to 2.5	Pass
				30	7.2	-1.767	-0.0025	-2.5 to 2.5	Pass
				40	7.2	-0.813	-0.0011	-2.5 to 2.5	Pass
				50	7.2	-1.427	-0.0020	-2.5 to 2.5	Pass

2.2 B12\_3MHz

2.2.1 Test Result

Band: 12 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	700.5	15	0	20	6.12	0.592	0.0008	-2.5 to 2.5	Pass	
					7.2	-0.033	0.0000	-2.5 to 2.5	Pass	
					8.28	0.578	0.0008	-2.5 to 2.5	Pass	
				-30	7.2	1.013	0.0014	-2.5 to 2.5	Pass	
					-20	7.2	0.390	0.0006	-2.5 to 2.5	Pass
						-10	7.2	0.979	0.0014	-2.5 to 2.5
				0	7.2	0.429	0.0006	-2.5 to 2.5	Pass	
					10	7.2	1.671	0.0024	-2.5 to 2.5	Pass
				30	7.2	0.876	0.0013	-2.5 to 2.5	Pass	
	40	7.2	1.143		0.0016	-2.5 to 2.5	Pass			
	50	7.2	1.561	0.0022	-2.5 to 2.5	Pass				
	707.5	15	0	20	6.12	2.510	0.0035	-2.5 to 2.5	Pass	
					7.2	2.774	0.0039	-2.5 to 2.5	Pass	
					8.28	2.787	0.0039	-2.5 to 2.5	Pass	
				-30	7.2	2.382	0.0034	-2.5 to 2.5	Pass	
					-20	7.2	2.212	0.0031	-2.5 to 2.5	Pass
						-10	7.2	1.760	0.0025	-2.5 to 2.5
				0	7.2	1.713	0.0024	-2.5 to 2.5	Pass	
					10	7.2	1.370	0.0019	-2.5 to 2.5	Pass
				30	7.2	2.158	0.0031	-2.5 to 2.5	Pass	
	40	7.2	1.919		0.0027	-2.5 to 2.5	Pass			
	50	7.2	1.122	0.0016	-2.5 to 2.5	Pass				
	714.5	15	0	20	6.12	2.189	0.0031	-2.5 to 2.5	Pass	
					7.2	2.870	0.0040	-2.5 to 2.5	Pass	
					8.28	2.224	0.0031	-2.5 to 2.5	Pass	
				-30	7.2	2.445	0.0034	-2.5 to 2.5	Pass	
					-20	7.2	2.065	0.0029	-2.5 to 2.5	Pass
-10						7.2	2.138	0.0030	-2.5 to 2.5	Pass
0				7.2	1.815	0.0025	-2.5 to 2.5	Pass		
				10	7.2	1.681	0.0024	-2.5 to 2.5	Pass	
30				7.2	1.952	0.0027	-2.5 to 2.5	Pass		
40	7.2	2.100	0.0029	-2.5 to 2.5	Pass					
50	7.2	2.382	0.0033	-2.5 to 2.5	Pass					

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16QAM	700.5	15	0	20	6.12	0.035	0.0000	-2.5 to 2.5	Pass								
					7.2	0.975	0.0014	-2.5 to 2.5	Pass								
					8.28	0.672	0.0010	-2.5 to 2.5	Pass								
				707.5	15	0	-30	7.2	1.388	0.0020	-2.5 to 2.5	Pass					
								-20	7.2	2.356	0.0034	-2.5 to 2.5	Pass				
								-10	7.2	1.951	0.0028	-2.5 to 2.5	Pass				
							714.5	15	0	0	7.2	2.219	0.0032	-2.5 to 2.5	Pass		
											10	7.2	2.319	0.0033	-2.5 to 2.5	Pass	
											30	7.2	2.793	0.0040	-2.5 to 2.5	Pass	
	700.5	15	0							40	7.2	2.690	0.0038	-2.5 to 2.5	Pass		
											50	7.2	2.540	0.0036	-2.5 to 2.5	Pass	
											20	6.12	1.897	0.0027	-2.5 to 2.5	Pass	
				7.2	1.094	0.0015				-2.5 to 2.5		Pass					
				8.28	0.497	0.0007				-2.5 to 2.5		Pass					
				707.5	15	0				-30	7.2	0.314	0.0004	-2.5 to 2.5	Pass		
							-20	7.2	0.518		0.0007	-2.5 to 2.5	Pass				
							-10	7.2	0.328		0.0005	-2.5 to 2.5	Pass				
							64QAM	700.5	15	0	0	7.2	1.133	0.0016	-2.5 to 2.5	Pass	
	10	7.2	1.032									0.0015	-2.5 to 2.5	Pass			
	30	7.2	1.447									0.0020	-2.5 to 2.5	Pass			
	707.5	15	0								40	7.2	2.209	0.0031	-2.5 to 2.5	Pass	
												50	7.2	2.127	0.0030	-2.5 to 2.5	Pass
												20	6.12	1.822	0.0026	-2.5 to 2.5	Pass
				7.2	1.833	0.0026					-2.5 to 2.5		Pass				
				8.28	1.550	0.0022					-2.5 to 2.5		Pass				
				700.5	15	0					-30	7.2	0.404	0.0006	-2.5 to 2.5	Pass	
							-20	7.2	2.004	0.0028		-2.5 to 2.5	Pass				
-10							7.2	1.869	0.0026	-2.5 to 2.5		Pass					
707.5							15	0	0	7.2	2.109	0.0030	-2.5 to 2.5	Pass			
	10	7.2	2.331							0.0033	-2.5 to 2.5	Pass					
	30	7.2	1.886							0.0026	-2.5 to 2.5	Pass					
	700.5	15	0						40	7.2	1.946	0.0027	-2.5 to 2.5	Pass			
										50	7.2	3.288	0.0046	-2.5 to 2.5	Pass		
										20	6.12	2.544	0.0036	-2.5 to 2.5	Pass		
				7.2	2.718	0.0039			-2.5 to 2.5		Pass						
				8.28	2.852	0.0041			-2.5 to 2.5		Pass						
				707.5	15	0			-30	7.2	2.453	0.0035	-2.5 to 2.5	Pass			
-20							7.2	2.064		0.0029	-2.5 to 2.5	Pass					
-10							7.2	2.219		0.0032	-2.5 to 2.5	Pass					
700.5							15	0	0	7.2	2.200	0.0031	-2.5 to 2.5	Pass			
	10	7.2	2.769							0.0040	-2.5 to 2.5	Pass					
	30	7.2	2.782							0.0040	-2.5 to 2.5	Pass					
	707.5	15	0						40	7.2	1.637	0.0023	-2.5 to 2.5	Pass			
										50	7.2	1.968	0.0028	-2.5 to 2.5	Pass		
										20	6.12	1.602	0.0023	-2.5 to 2.5	Pass		
				7.2	3.001	0.0042			-2.5 to 2.5		Pass						
				8.28	1.931	0.0027			-2.5 to 2.5		Pass						
				700.5	15	0			-30	7.2	2.411	0.0034	-2.5 to 2.5	Pass			
-20							7.2	1.581		0.0022	-2.5 to 2.5	Pass					
-10							7.2	0.815		0.0012	-2.5 to 2.5	Pass					
707.5							15	0	0	7.2	1.314	0.0019	-2.5 to 2.5	Pass			

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	714.5	15	0	10	7.2	1.507	0.0021	-2.5 to 2.5	Pass
				30	7.2	1.853	0.0026	-2.5 to 2.5	Pass
				40	7.2	1.772	0.0025	-2.5 to 2.5	Pass
				50	7.2	1.663	0.0024	-2.5 to 2.5	Pass
				20	6.12	2.345	0.0033	-2.5 to 2.5	Pass
					7.2	3.158	0.0044	-2.5 to 2.5	Pass
					8.28	2.510	0.0035	-2.5 to 2.5	Pass
				-30	7.2	2.699	0.0038	-2.5 to 2.5	Pass
				-20	7.2	1.938	0.0027	-2.5 to 2.5	Pass
				-10	7.2	2.511	0.0035	-2.5 to 2.5	Pass
				0	7.2	2.557	0.0036	-2.5 to 2.5	Pass
				10	7.2	3.066	0.0043	-2.5 to 2.5	Pass
				30	7.2	2.859	0.0040	-2.5 to 2.5	Pass
				40	7.2	3.210	0.0045	-2.5 to 2.5	Pass
				50	7.2	4.177	0.0058	-2.5 to 2.5	Pass

2.3 B12\_5MHz

2.3.1 Test Result

Band: 12 / Bandwidth: 5MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	701.5	25	0	20	6.12	1.062	0.0015	-2.5 to 2.5	Pass			
					7.2	0.955	0.0014	-2.5 to 2.5	Pass			
					8.28	1.786	0.0025	-2.5 to 2.5	Pass			
				-30	7.2	1.079	0.0015	-2.5 to 2.5	Pass			
				-20	7.2	0.105	0.0001	-2.5 to 2.5	Pass			
				-10	7.2	0.718	0.0010	-2.5 to 2.5	Pass			
				0	7.2	1.311	0.0019	-2.5 to 2.5	Pass			
				10	7.2	0.911	0.0013	-2.5 to 2.5	Pass			
				30	7.2	1.574	0.0022	-2.5 to 2.5	Pass			
				40	7.2	0.134	0.0002	-2.5 to 2.5	Pass			
				50	7.2	0.806	0.0011	-2.5 to 2.5	Pass			
				707.5	25	0	20	6.12	1.023	0.0014	-2.5 to 2.5	Pass
								7.2	0.119	0.0002	-2.5 to 2.5	Pass
								8.28	1.847	0.0026	-2.5 to 2.5	Pass
							-30	7.2	0.583	0.0008	-2.5 to 2.5	Pass
	-20	7.2	0.757				0.0011	-2.5 to 2.5	Pass			
	-10	7.2	2.043				0.0029	-2.5 to 2.5	Pass			
	0	7.2	1.433				0.0020	-2.5 to 2.5	Pass			
	10	7.2	0.394				0.0006	-2.5 to 2.5	Pass			
	30	7.2	0.030				0.0000	-2.5 to 2.5	Pass			
	40	7.2	1.047				0.0015	-2.5 to 2.5	Pass			
	50	7.2	-0.020				0.0000	-2.5 to 2.5	Pass			
	713.5	25	0				20	6.12	2.595	0.0036	-2.5 to 2.5	Pass
								7.2	1.822	0.0026	-2.5 to 2.5	Pass
								8.28	1.903	0.0027	-2.5 to 2.5	Pass
							-30	7.2	1.134	0.0016	-2.5 to 2.5	Pass

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				-20	7.2	1.257	0.0018	-2.5 to 2.5	Pass				
				-10	7.2	0.120	0.0002	-2.5 to 2.5	Pass				
				0	7.2	1.026	0.0014	-2.5 to 2.5	Pass				
				10	7.2	1.053	0.0015	-2.5 to 2.5	Pass				
				30	7.2	0.270	0.0004	-2.5 to 2.5	Pass				
				40	7.2	0.382	0.0005	-2.5 to 2.5	Pass				
				50	7.2	0.907	0.0013	-2.5 to 2.5	Pass				
16QAM	701.5	25	0	20	6.12	0.856	0.0012	-2.5 to 2.5	Pass				
					7.2	0.678	0.0010	-2.5 to 2.5	Pass				
					8.28	0.423	0.0006	-2.5 to 2.5	Pass				
								-30	7.2	0.766	0.0011	-2.5 to 2.5	Pass
								-20	7.2	0.566	0.0008	-2.5 to 2.5	Pass
								-10	7.2	0.505	0.0007	-2.5 to 2.5	Pass
								0	7.2	0.770	0.0011	-2.5 to 2.5	Pass
								10	7.2	1.479	0.0021	-2.5 to 2.5	Pass
								30	7.2	1.800	0.0026	-2.5 to 2.5	Pass
								40	7.2	1.692	0.0024	-2.5 to 2.5	Pass
								50	7.2	0.974	0.0014	-2.5 to 2.5	Pass
					707.5	25	0	20	6.12	0.511	0.0007	-2.5 to 2.5	Pass
									7.2	0.958	0.0014	-2.5 to 2.5	Pass
									8.28	1.176	0.0017	-2.5 to 2.5	Pass
								-30	7.2	1.048	0.0015	-2.5 to 2.5	Pass
								-20	7.2	0.238	0.0003	-2.5 to 2.5	Pass
								-10	7.2	0.655	0.0009	-2.5 to 2.5	Pass
								0	7.2	1.388	0.0020	-2.5 to 2.5	Pass
								10	7.2	0.588	0.0008	-2.5 to 2.5	Pass
								30	7.2	0.186	0.0003	-2.5 to 2.5	Pass
								40	7.2	0.189	0.0003	-2.5 to 2.5	Pass
								50	7.2	0.044	0.0001	-2.5 to 2.5	Pass
	64QAM	701.5	25	0				20	6.12	1.474	0.0021	-2.5 to 2.5	Pass
										7.2	0.773	0.0011	-2.5 to 2.5
									8.28	1.211	0.0017	-2.5 to 2.5	Pass
								-30	7.2	1.454	0.0020	-2.5 to 2.5	Pass
								-20	7.2	1.142	0.0016	-2.5 to 2.5	Pass
								-10	7.2	1.377	0.0019	-2.5 to 2.5	Pass
								0	7.2	0.848	0.0012	-2.5 to 2.5	Pass
								10	7.2	0.718	0.0010	-2.5 to 2.5	Pass
								30	7.2	0.473	0.0007	-2.5 to 2.5	Pass
								40	7.2	0.532	0.0007	-2.5 to 2.5	Pass
								50	7.2	-0.396	-0.0006	-2.5 to 2.5	Pass
								20	6.12	1.702	0.0024	-2.5 to 2.5	Pass
									7.2	0.393	0.0006	-2.5 to 2.5	Pass
									8.28	0.708	0.0010	-2.5 to 2.5	Pass
								-30	7.2	0.261	0.0004	-2.5 to 2.5	Pass
								-20	7.2	2.039	0.0029	-2.5 to 2.5	Pass
				-10	7.2	1.419	0.0020	-2.5 to 2.5	Pass				
				0	7.2	1.919	0.0027	-2.5 to 2.5	Pass				
				10	7.2	1.204	0.0017	-2.5 to 2.5	Pass				
				30	7.2	2.202	0.0031	-2.5 to 2.5	Pass				
				40	7.2	2.509	0.0036	-2.5 to 2.5	Pass				
				50	7.2	2.828	0.0040	-2.5 to 2.5	Pass				



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	707.5	25	0	20	6.12	-0.302	-0.0004	-2.5 to 2.5	Pass	
					7.2	-0.235	-0.0003	-2.5 to 2.5	Pass	
					8.28	-0.036	-0.0001	-2.5 to 2.5	Pass	
				-30	7.2	-0.963	-0.0014	-2.5 to 2.5	Pass	
					-20	7.2	0.508	0.0007	-2.5 to 2.5	Pass
						-10	7.2	0.896	0.0013	-2.5 to 2.5
				0	7.2	-0.122	-0.0002	-2.5 to 2.5	Pass	
					10	7.2	0.368	0.0005	-2.5 to 2.5	Pass
					30	7.2	1.303	0.0018	-2.5 to 2.5	Pass
	40	7.2	-0.078		-0.0001	-2.5 to 2.5	Pass			
	50	7.2	0.306		0.0004	-2.5 to 2.5	Pass			
	713.5	25	0		20	6.12	-0.361	-0.0005	-2.5 to 2.5	Pass
				7.2		0.978	0.0014	-2.5 to 2.5	Pass	
				8.28		0.063	0.0001	-2.5 to 2.5	Pass	
				-30	7.2	0.046	0.0001	-2.5 to 2.5	Pass	
					-20	7.2	0.574	0.0008	-2.5 to 2.5	Pass
						-10	7.2	0.879	0.0012	-2.5 to 2.5
				0	7.2	0.064	0.0001	-2.5 to 2.5	Pass	
10					7.2	1.236	0.0017	-2.5 to 2.5	Pass	
30					7.2	1.386	0.0019	-2.5 to 2.5	Pass	
40	7.2	1.090	0.0015		-2.5 to 2.5	Pass				
50	7.2	1.361	0.0019		-2.5 to 2.5	Pass				

2.4 B12\_10MHz

2.4.1 Test Result

Band: 12 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	704	50	0	20	6.12	2.041	0.0029	-2.5 to 2.5	Pass	
					7.2	1.341	0.0019	-2.5 to 2.5	Pass	
					8.28	1.187	0.0017	-2.5 to 2.5	Pass	
				-30	7.2	0.482	0.0007	-2.5 to 2.5	Pass	
					-20	7.2	0.445	0.0006	-2.5 to 2.5	Pass
						-10	7.2	0.124	0.0002	-2.5 to 2.5
				0	7.2	-0.221	-0.0003	-2.5 to 2.5	Pass	
					10	7.2	1.013	0.0014	-2.5 to 2.5	Pass
					30	7.2	1.016	0.0014	-2.5 to 2.5	Pass
	40	7.2	0.496		0.0007	-2.5 to 2.5	Pass			
	50	7.2	0.071		0.0001	-2.5 to 2.5	Pass			
	707.5	50	0		20	6.12	0.618	0.0009	-2.5 to 2.5	Pass
				7.2		0.677	0.0010	-2.5 to 2.5	Pass	
				8.28		1.336	0.0019	-2.5 to 2.5	Pass	
				-30	7.2	0.237	0.0003	-2.5 to 2.5	Pass	
					-20	7.2	0.814	0.0012	-2.5 to 2.5	Pass
						-10	7.2	0.372	0.0005	-2.5 to 2.5
				0	7.2	1.250	0.0018	-2.5 to 2.5	Pass	
10					7.2	-0.079	-0.0001	-2.5 to 2.5	Pass	



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	711	50	0	30	7.2	0.526	0.0007	-2.5 to 2.5	Pass
				40	7.2	0.436	0.0006	-2.5 to 2.5	Pass
				50	7.2	0.754	0.0011	-2.5 to 2.5	Pass
				20	6.12	-0.140	-0.0002	-2.5 to 2.5	Pass
					7.2	-1.162	-0.0016	-2.5 to 2.5	Pass
					8.28	-0.803	-0.0011	-2.5 to 2.5	Pass
				-30	7.2	-0.275	-0.0004	-2.5 to 2.5	Pass
				-20	7.2	-0.449	-0.0006	-2.5 to 2.5	Pass
				-10	7.2	-0.312	-0.0004	-2.5 to 2.5	Pass
				0	7.2	-0.570	-0.0008	-2.5 to 2.5	Pass
				10	7.2	0.276	0.0004	-2.5 to 2.5	Pass
				30	7.2	0.737	0.0010	-2.5 to 2.5	Pass
				40	7.2	0.169	0.0002	-2.5 to 2.5	Pass
50	7.2	0.050	0.0001	-2.5 to 2.5	Pass				
16QAM	704	50	0	20	6.12	0.339	0.0005	-2.5 to 2.5	Pass
					7.2	0.308	0.0004	-2.5 to 2.5	Pass
					8.28	-0.123	-0.0002	-2.5 to 2.5	Pass
				-30	7.2	0.625	0.0009	-2.5 to 2.5	Pass
				-20	7.2	-0.133	-0.0002	-2.5 to 2.5	Pass
				-10	7.2	-0.092	-0.0001	-2.5 to 2.5	Pass
				0	7.2	-0.393	-0.0006	-2.5 to 2.5	Pass
				10	7.2	0.448	0.0006	-2.5 to 2.5	Pass
				30	7.2	-0.299	-0.0004	-2.5 to 2.5	Pass
				40	7.2	-0.610	-0.0009	-2.5 to 2.5	Pass
	50	7.2	0.095	0.0001	-2.5 to 2.5	Pass			
	707.5	50	0	20	6.12	0.129	0.0002	-2.5 to 2.5	Pass
					7.2	0.897	0.0013	-2.5 to 2.5	Pass
					8.28	0.804	0.0011	-2.5 to 2.5	Pass
				-30	7.2	0.481	0.0007	-2.5 to 2.5	Pass
				-20	7.2	0.287	0.0004	-2.5 to 2.5	Pass
				-10	7.2	0.868	0.0012	-2.5 to 2.5	Pass
				0	7.2	0.279	0.0004	-2.5 to 2.5	Pass
				10	7.2	-0.237	-0.0003	-2.5 to 2.5	Pass
				30	7.2	0.325	0.0005	-2.5 to 2.5	Pass
				40	7.2	0.635	0.0009	-2.5 to 2.5	Pass
50				7.2	1.218	0.0017	-2.5 to 2.5	Pass	
711	50	0	20	6.12	-0.973	-0.0014	-2.5 to 2.5	Pass	
				7.2	-0.249	-0.0004	-2.5 to 2.5	Pass	
				8.28	-0.186	-0.0003	-2.5 to 2.5	Pass	
			-30	7.2	-0.670	-0.0009	-2.5 to 2.5	Pass	
			-20	7.2	0.542	0.0008	-2.5 to 2.5	Pass	
			-10	7.2	0.540	0.0008	-2.5 to 2.5	Pass	
			0	7.2	0.345	0.0005	-2.5 to 2.5	Pass	
			10	7.2	-0.451	-0.0006	-2.5 to 2.5	Pass	
			30	7.2	-0.610	-0.0009	-2.5 to 2.5	Pass	
			40	7.2	-1.379	-0.0019	-2.5 to 2.5	Pass	
50	7.2	-1.038	-0.0015	-2.5 to 2.5	Pass				
64QAM	704	50	0	20	6.12	-0.363	-0.0005	-2.5 to 2.5	Pass
					7.2	1.212	0.0017	-2.5 to 2.5	Pass
					8.28	-0.455	-0.0006	-2.5 to 2.5	Pass
				-30	7.2	0.171	0.0002	-2.5 to 2.5	Pass

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				-20	7.2	-0.019	0.0000	-2.5 to 2.5	Pass
				-10	7.2	-0.375	-0.0005	-2.5 to 2.5	Pass
				0	7.2	-0.223	-0.0003	-2.5 to 2.5	Pass
				10	7.2	0.016	0.0000	-2.5 to 2.5	Pass
				30	7.2	0.127	0.0002	-2.5 to 2.5	Pass
				40	7.2	0.265	0.0004	-2.5 to 2.5	Pass
				50	7.2	0.293	0.0004	-2.5 to 2.5	Pass
	707.5	50	0	20	6.12	-0.417	-0.0006	-2.5 to 2.5	Pass
					7.2	0.139	0.0002	-2.5 to 2.5	Pass
					8.28	0.585	0.0008	-2.5 to 2.5	Pass
				-30	7.2	0.178	0.0003	-2.5 to 2.5	Pass
				-20	7.2	0.055	0.0001	-2.5 to 2.5	Pass
				-10	7.2	0.639	0.0009	-2.5 to 2.5	Pass
				0	7.2	-0.752	-0.0011	-2.5 to 2.5	Pass
				10	7.2	-0.862	-0.0012	-2.5 to 2.5	Pass
				30	7.2	-0.206	-0.0003	-2.5 to 2.5	Pass
				40	7.2	-0.419	-0.0006	-2.5 to 2.5	Pass
	50	7.2	-0.132	-0.0002	-2.5 to 2.5	Pass			
	711	50	0	20	6.12	-0.479	-0.0007	-2.5 to 2.5	Pass
					7.2	-0.847	-0.0012	-2.5 to 2.5	Pass
					8.28	-0.001	0.0000	-2.5 to 2.5	Pass
				-30	7.2	-0.754	-0.0011	-2.5 to 2.5	Pass
				-20	7.2	-0.933	-0.0013	-2.5 to 2.5	Pass
				-10	7.2	-0.793	-0.0011	-2.5 to 2.5	Pass
0				7.2	-0.603	-0.0008	-2.5 to 2.5	Pass	
10				7.2	-0.627	-0.0009	-2.5 to 2.5	Pass	
30				7.2	-0.641	-0.0009	-2.5 to 2.5	Pass	
40				7.2	-1.844	-0.0026	-2.5 to 2.5	Pass	
50	7.2	-0.943	-0.0013	-2.5 to 2.5	Pass				

### 3. Modulation Characteristics

#### 3.1 B12\_1.4MHz

##### 3.1.1 Test Result

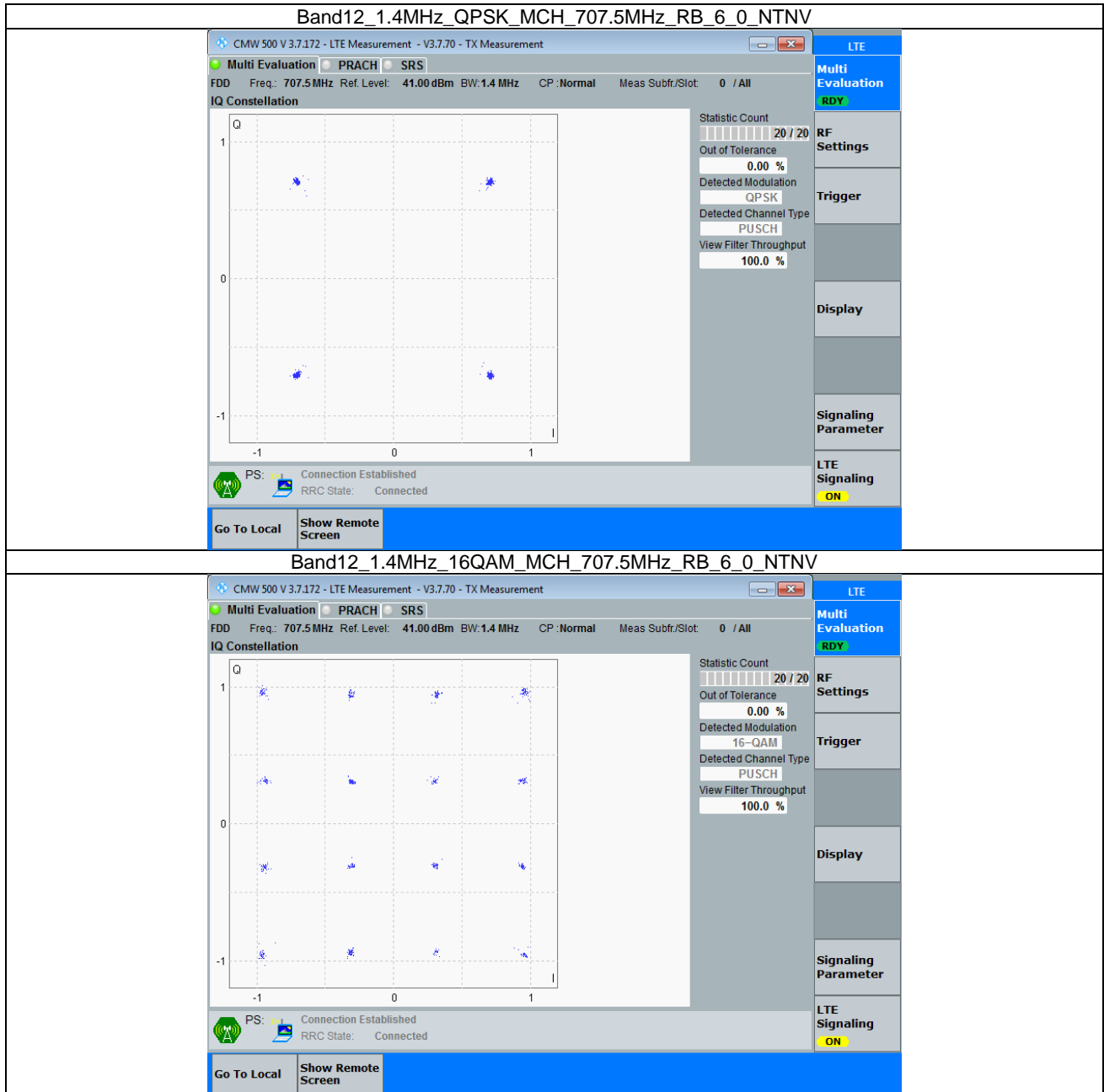
Band: 12 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass
64QAM	707.5	6	0	Refer To Test Graph		Pass



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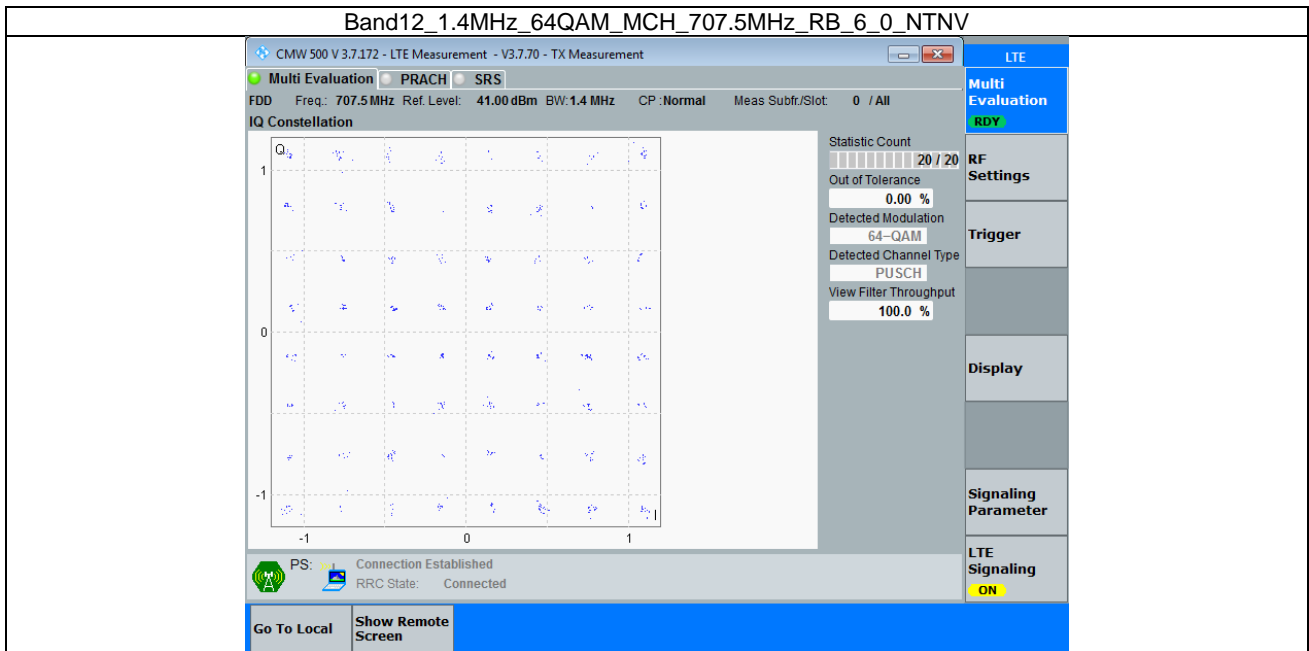
3.1.2 Test Graph



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3.2 B12\_3MHz

3.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass
64QAM	707.5	15	0	Refer To Test Graph		Pass



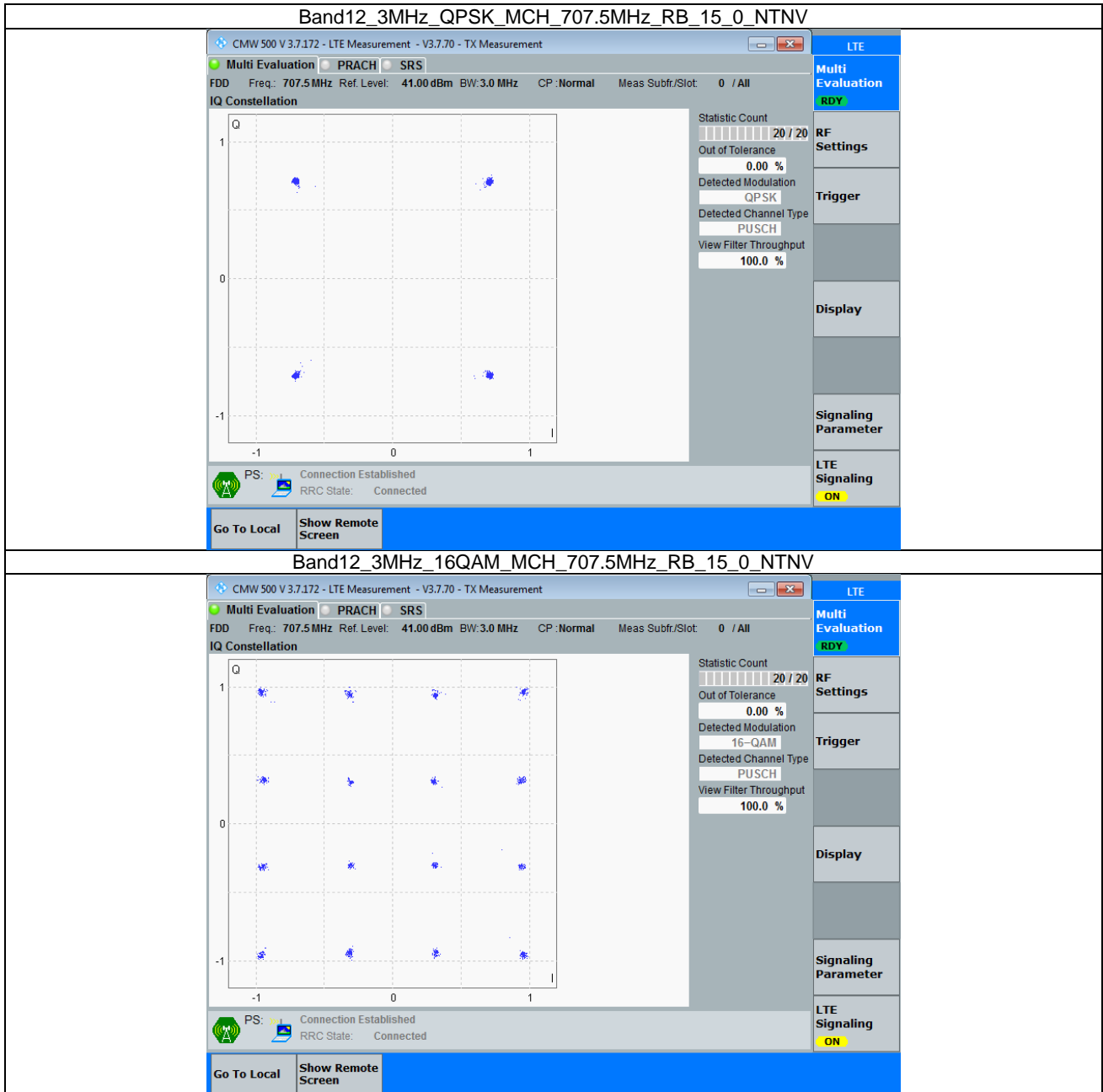
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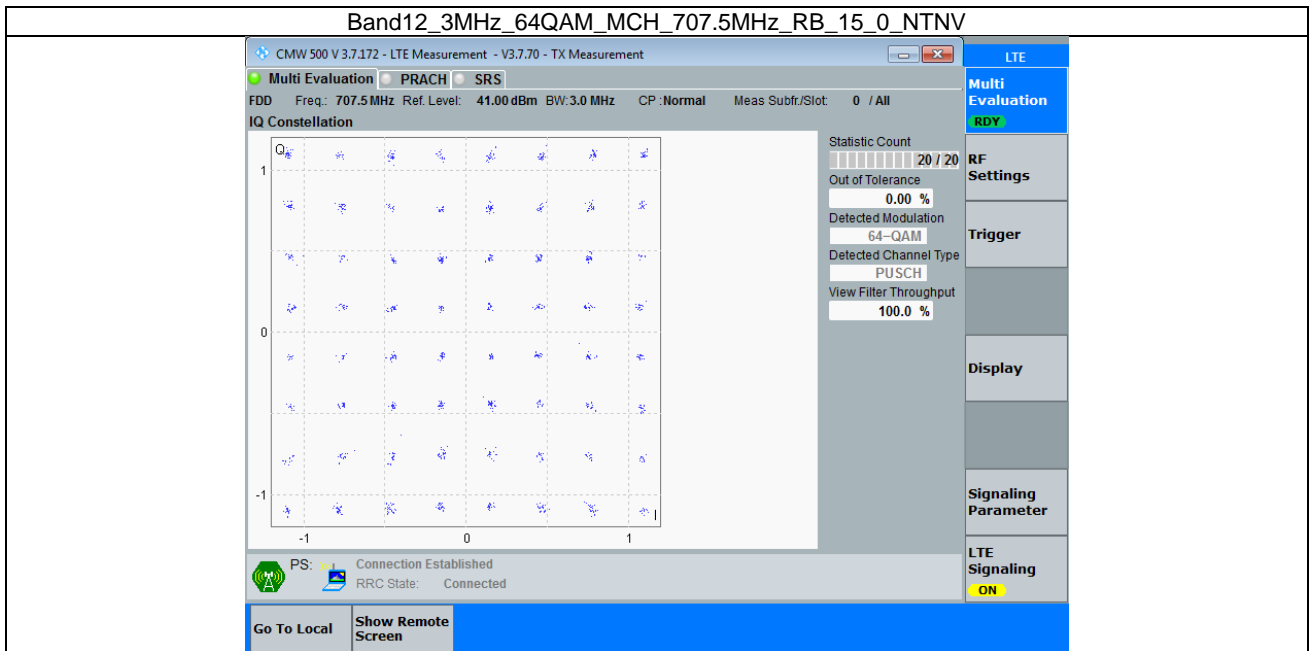
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3.2.2 Test Graph



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3.3 B12\_5MHz

3.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass
64QAM	707.5	25	0	Refer To Test Graph		Pass



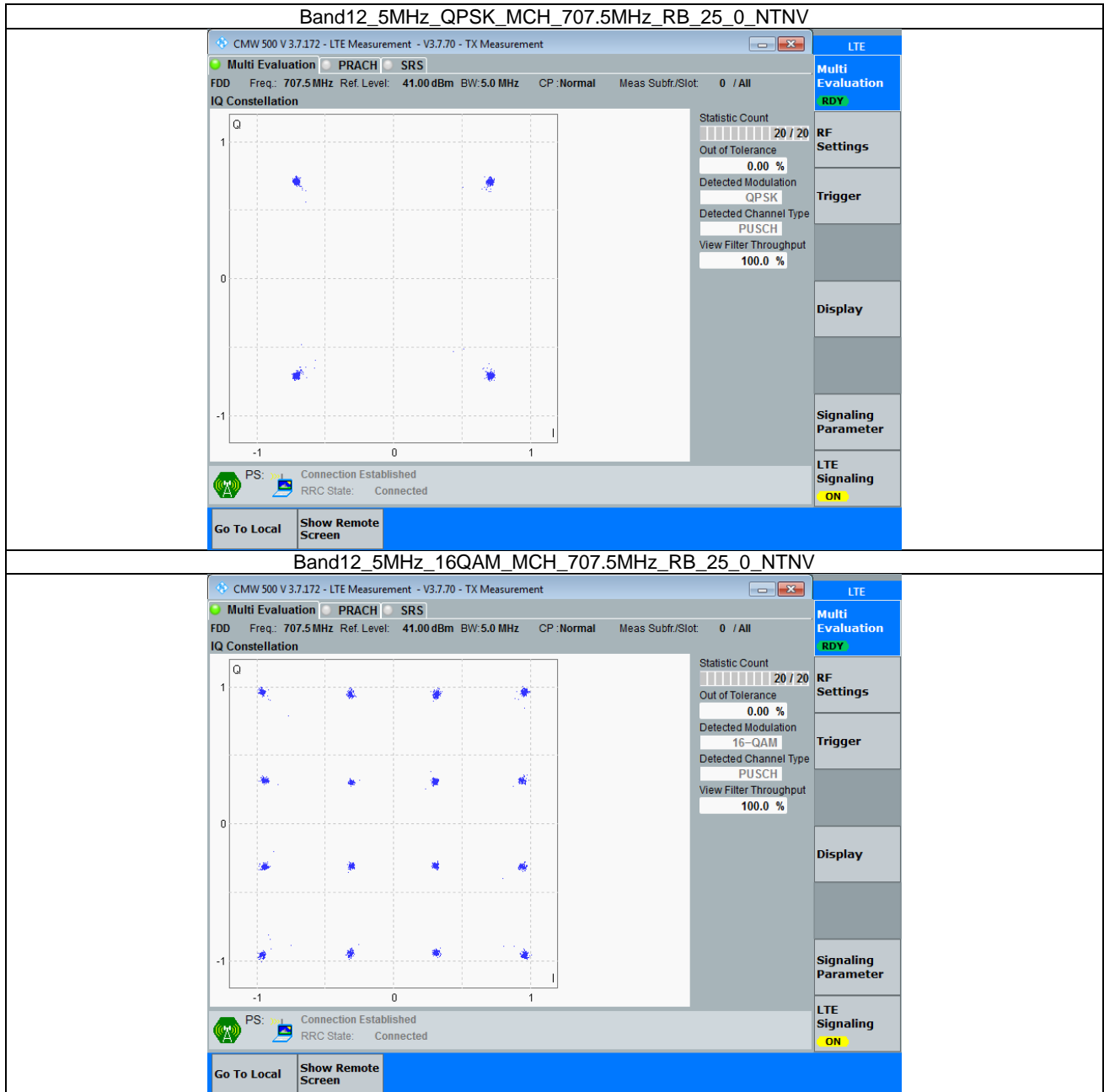
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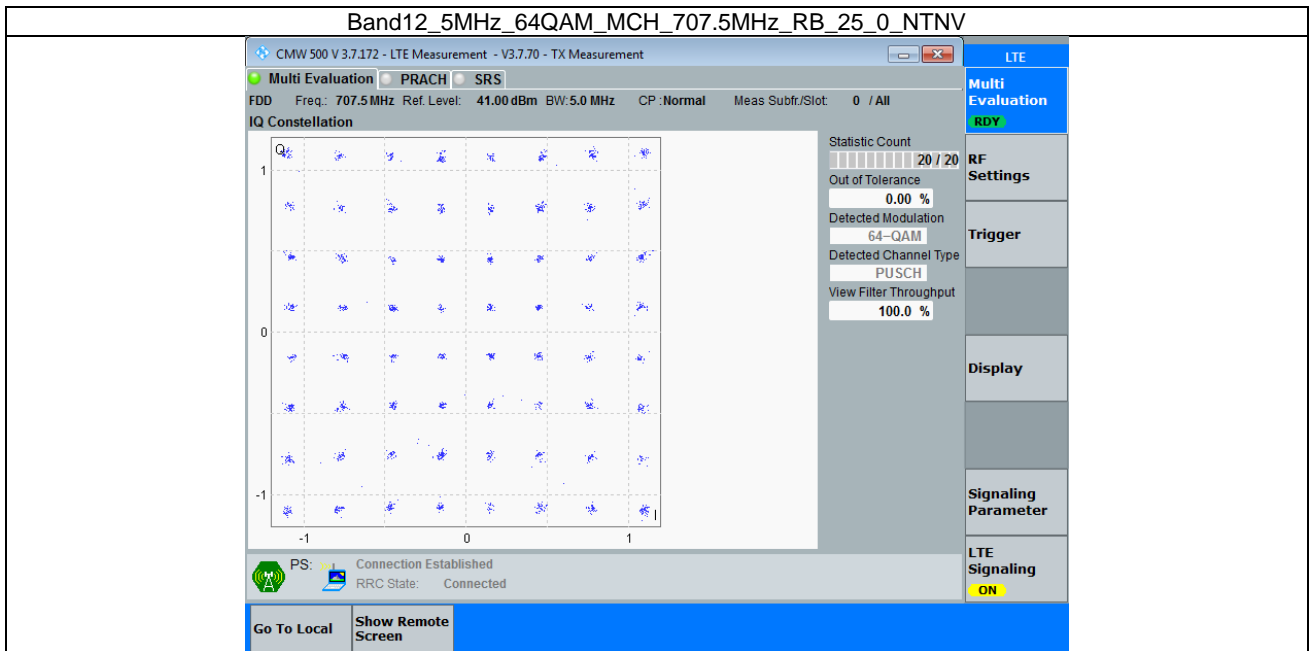
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3.4 B12\_10MHz

3.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass
64QAM	707.5	50	0	Refer To Test Graph		Pass



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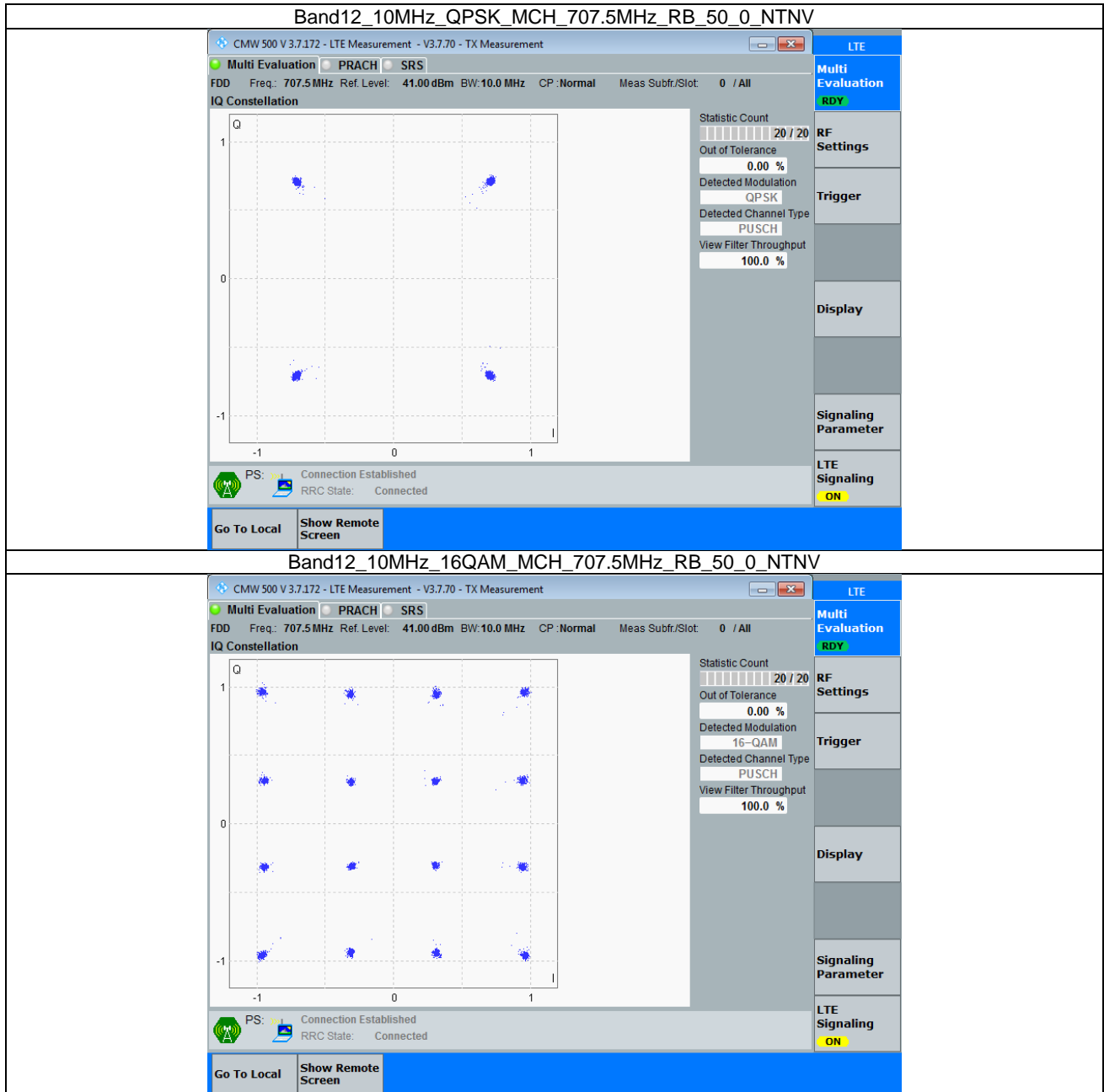
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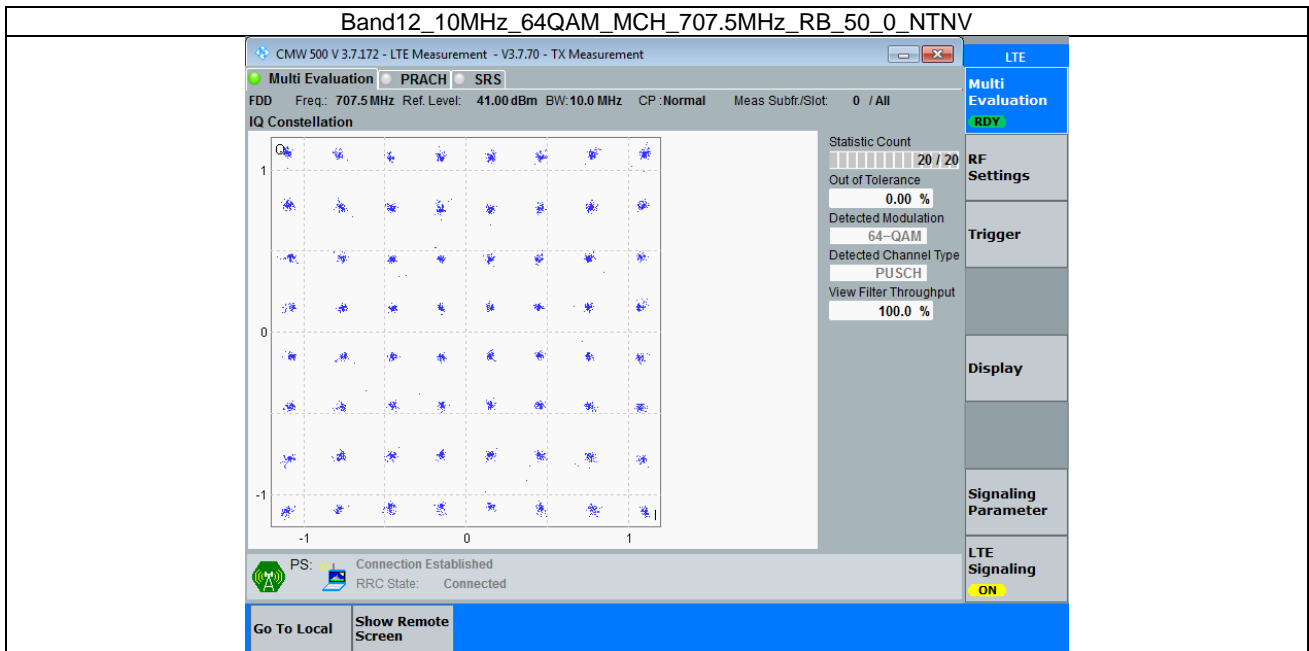


3.4.2 Test Graph



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4. 99% & 26dB Bandwidth

4.1 Band12\_OBW

4.1.1 Test Result

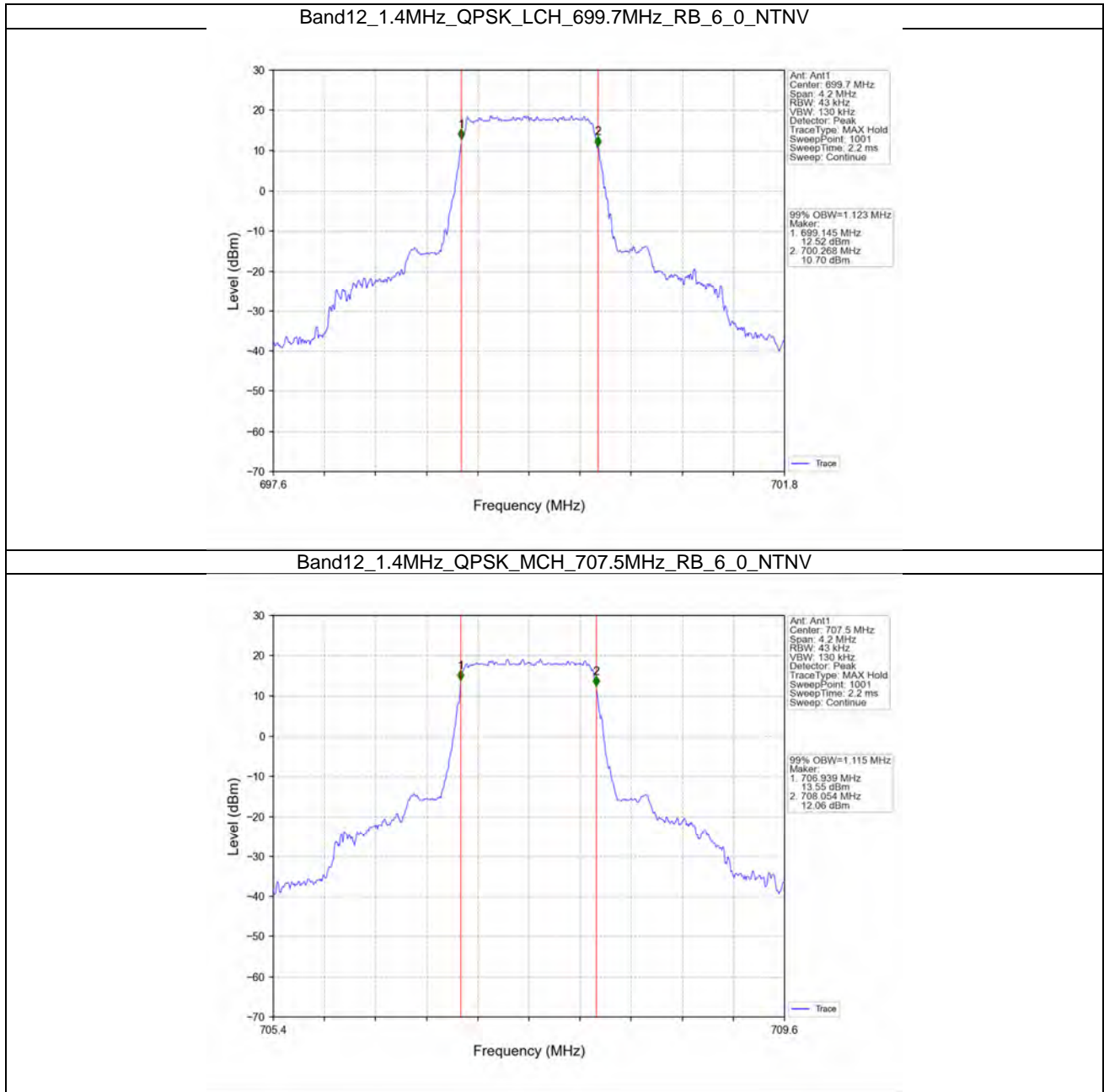
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset		
1.4	QPSK	699.7	6	0	1.123	Pass
		707.5	6	0	1.115	Pass
		715.3	6	0	1.115	Pass
	16QAM	699.7	6	0	1.118	Pass
		707.5	6	0	1.109	Pass
		715.3	6	0	1.120	Pass
	64QAM	699.7	6	0	1.121	Pass
		707.5	6	0	1.112	Pass
		715.3	6	0	1.114	Pass
3	QPSK	700.5	15	0	2.737	Pass
		707.5	15	0	2.738	Pass
		714.5	15	0	2.748	Pass
	16QAM	700.5	15	0	2.734	Pass
		707.5	15	0	2.733	Pass
		714.5	15	0	2.735	Pass
	64QAM	700.5	15	0	2.745	Pass
		707.5	15	0	2.727	Pass
		714.5	15	0	2.735	Pass
5	QPSK	701.5	25	0	4.540	Pass
		707.5	25	0	4.539	Pass
		713.5	25	0	4.536	Pass
	16QAM	701.5	25	0	4.529	Pass
		707.5	25	0	4.546	Pass
		713.5	25	0	4.548	Pass
	64QAM	701.5	25	0	4.528	Pass
		707.5	25	0	4.556	Pass
		713.5	25	0	4.544	Pass
10	QPSK	704	50	0	9.056	Pass
		707.5	50	0	9.029	Pass
		711	50	0	9.039	Pass
	16QAM	704	50	0	9.032	Pass
		707.5	50	0	9.045	Pass
		711	50	0	9.039	Pass
	64QAM	704	50	0	9.034	Pass
		707.5	50	0	9.065	Pass
		711	50	0	9.021	Pass



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4.1.2 Test Graph



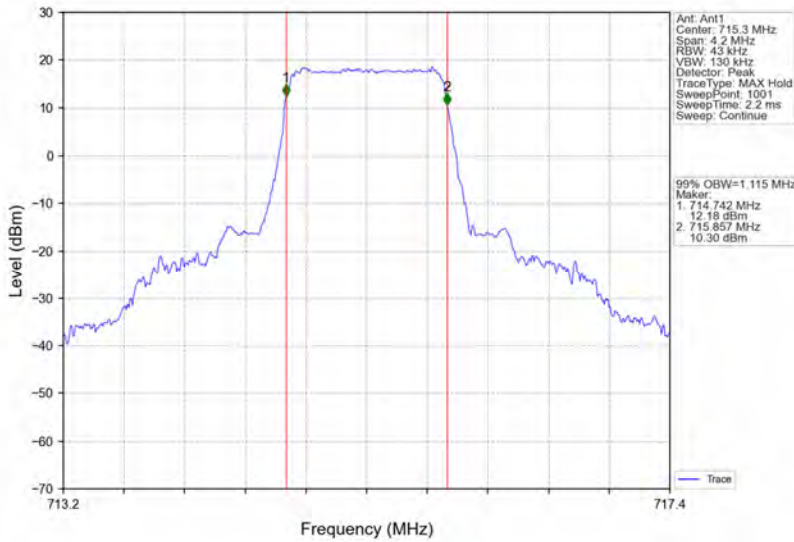
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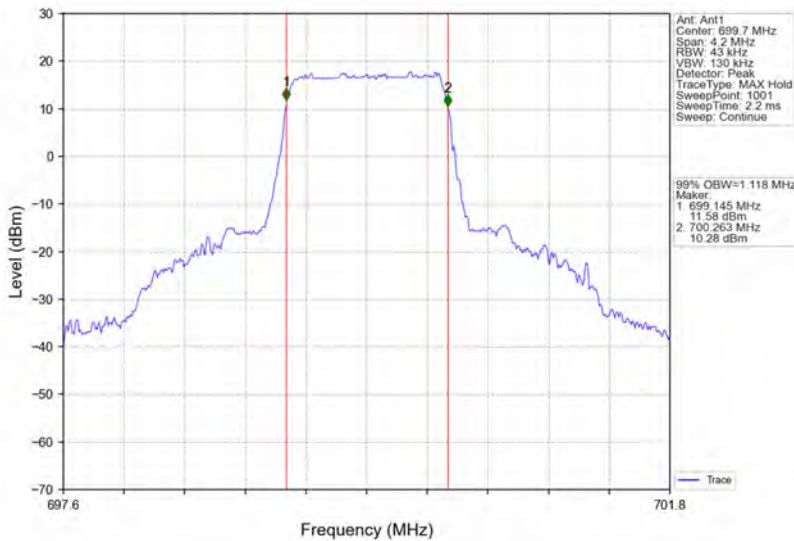
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Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



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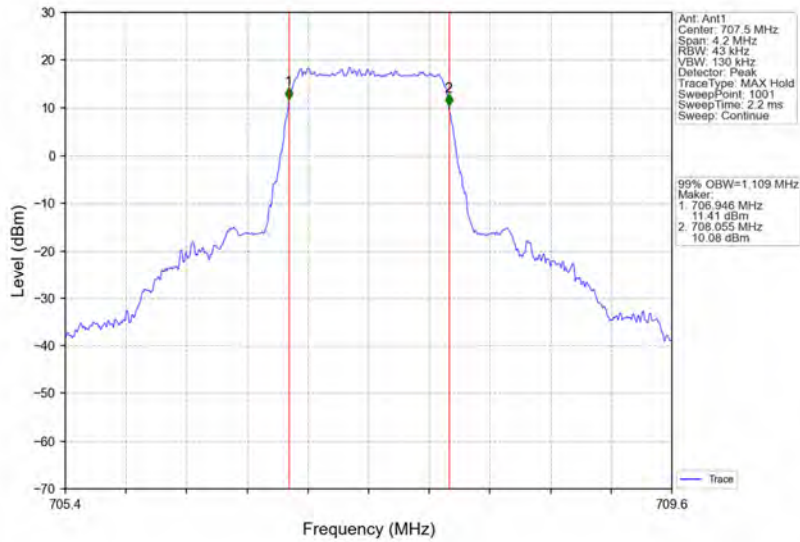
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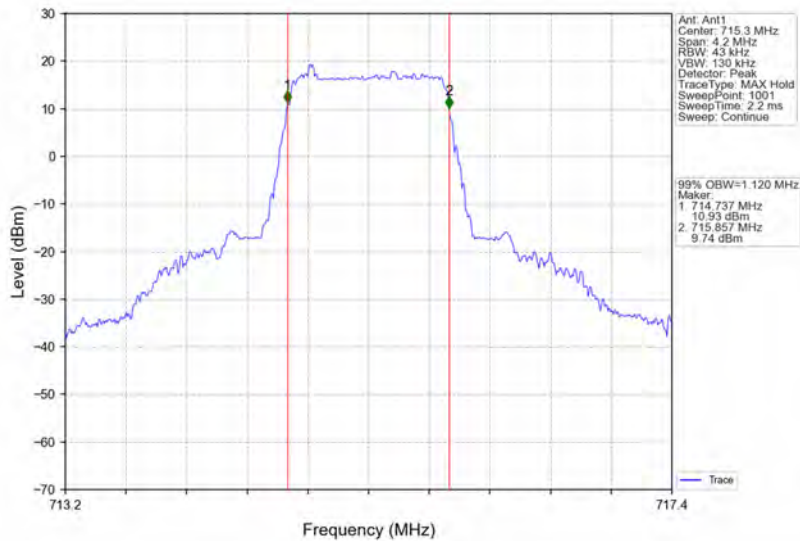
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Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



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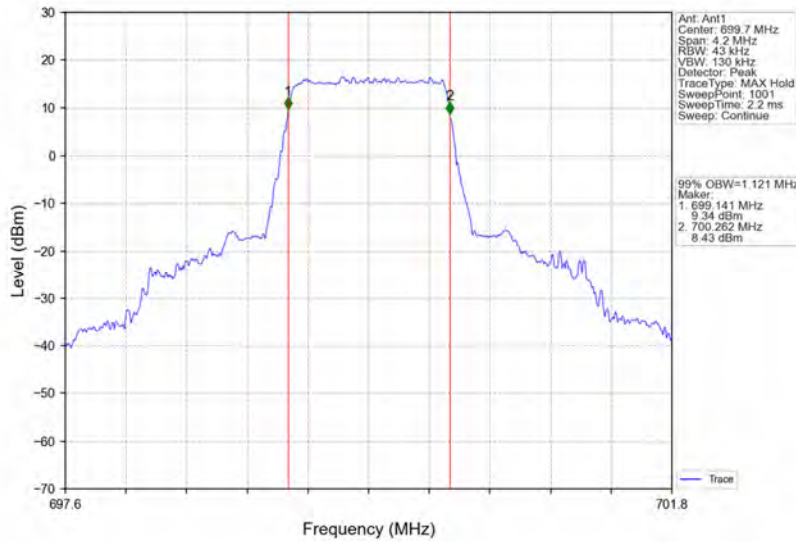
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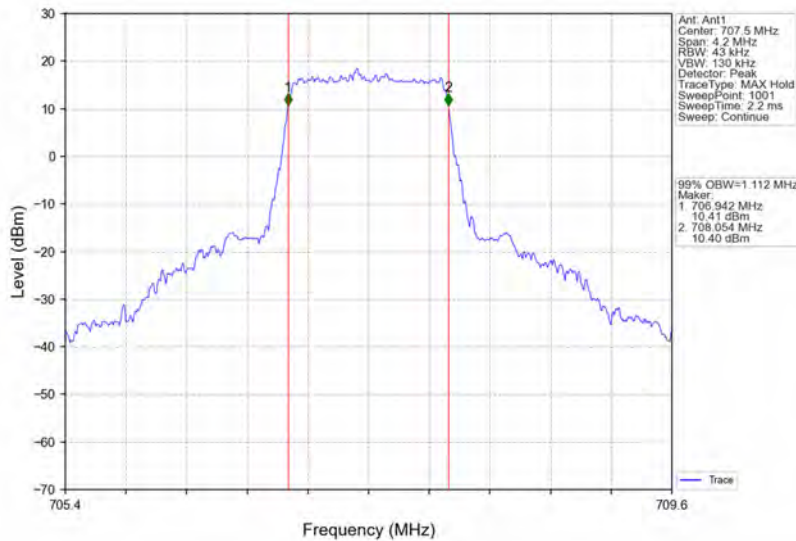


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Band12\_1.4MHz\_64QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



Band12\_1.4MHz\_64QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



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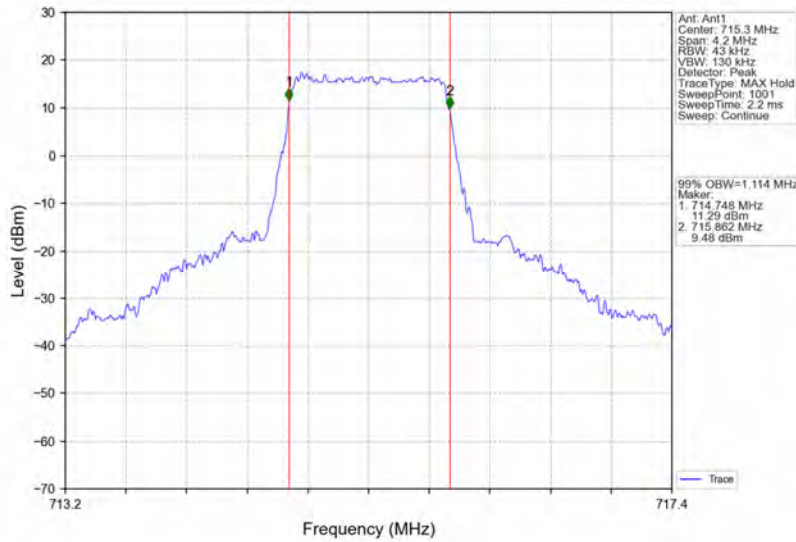
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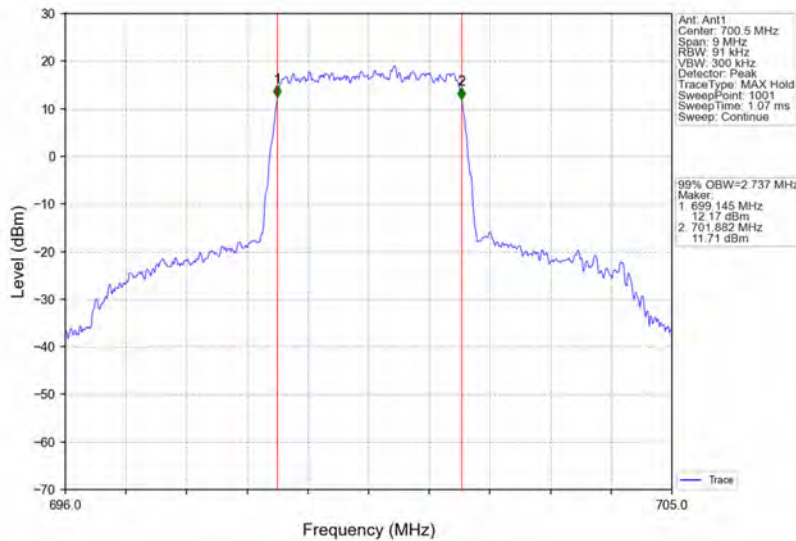
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Band12\_1.4MHz\_64QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



Band12\_3MHz\_QPSK\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



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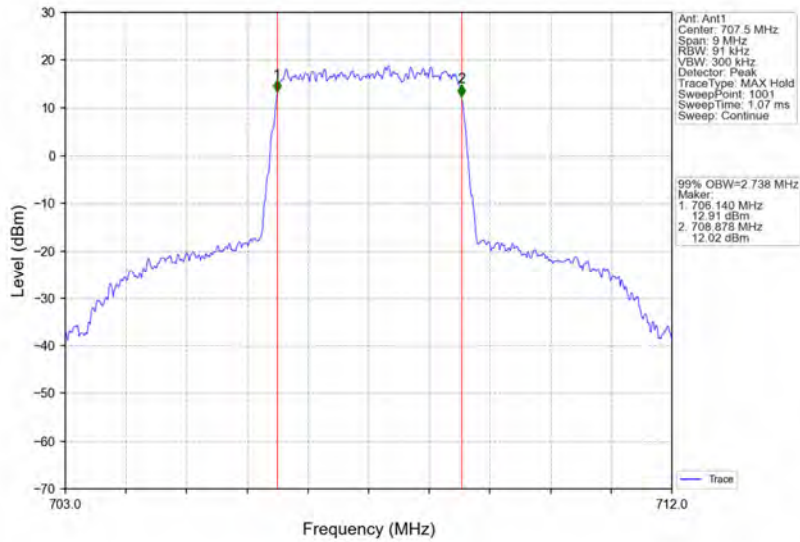
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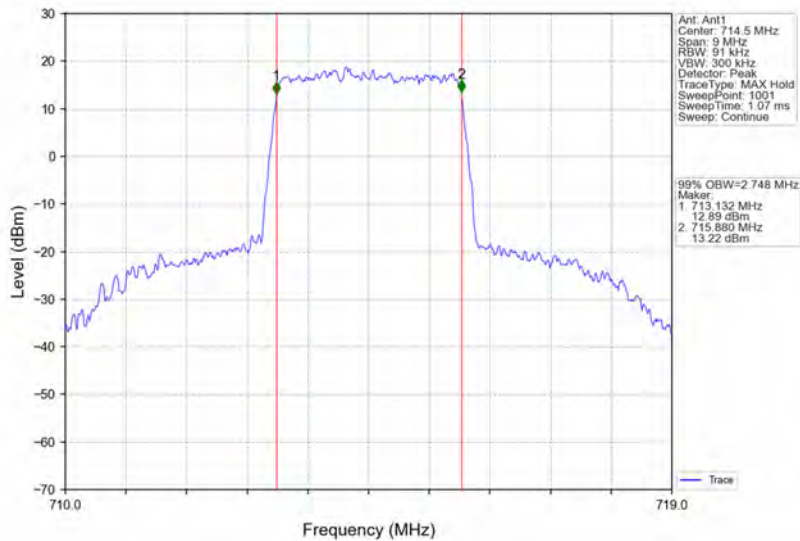
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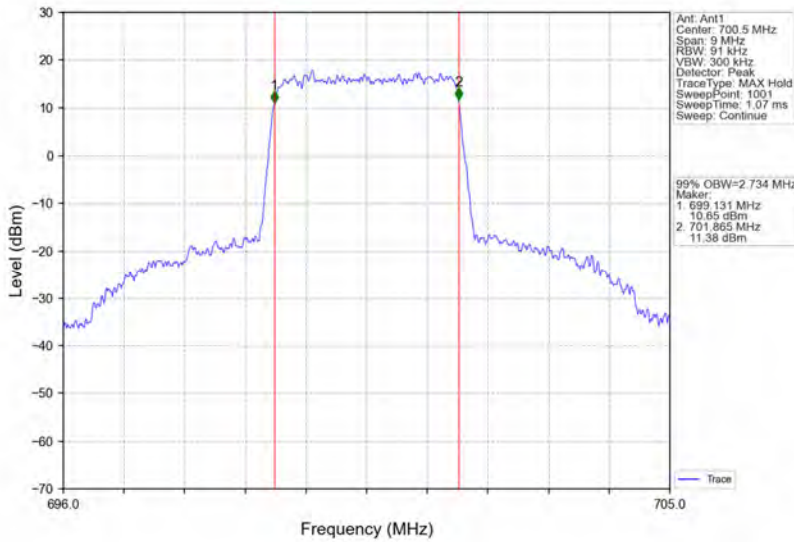
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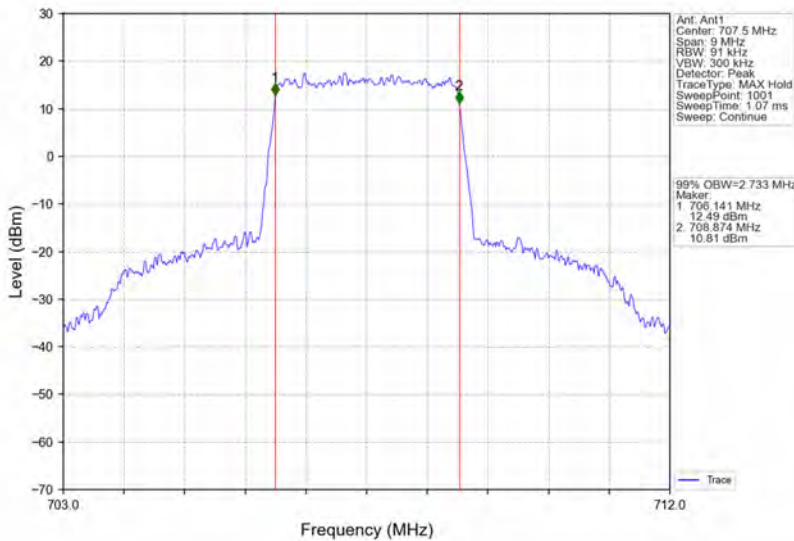


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Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



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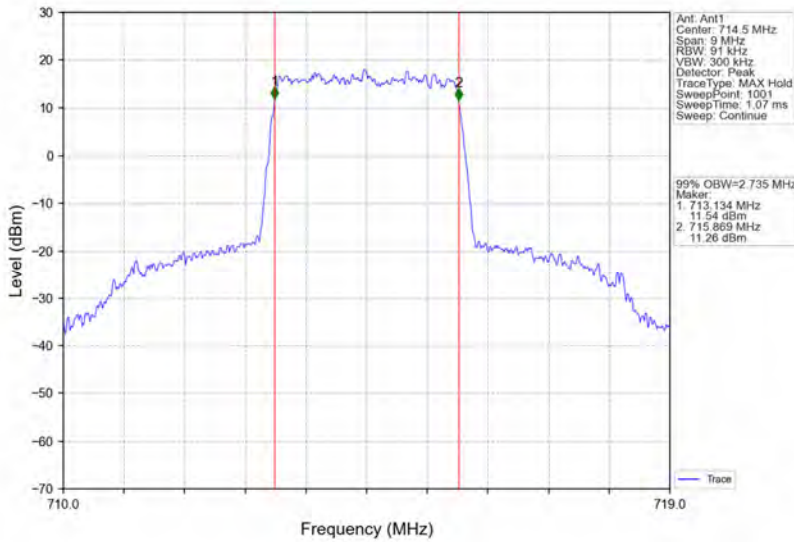
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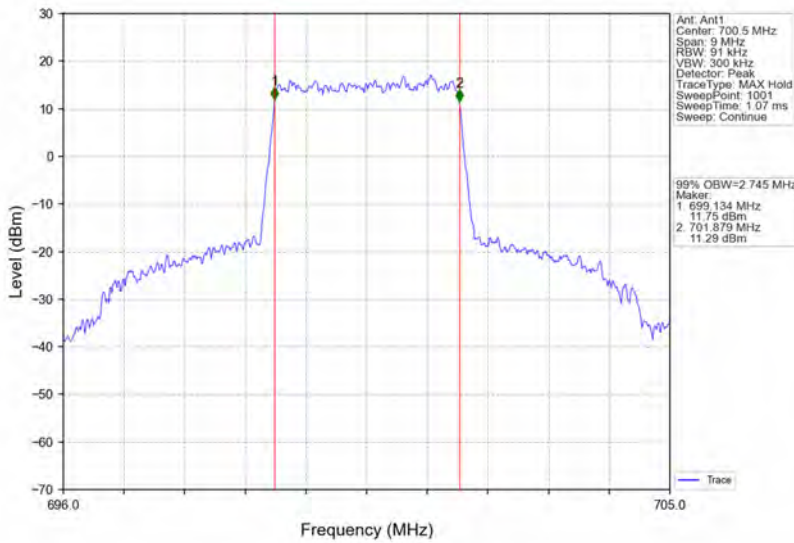


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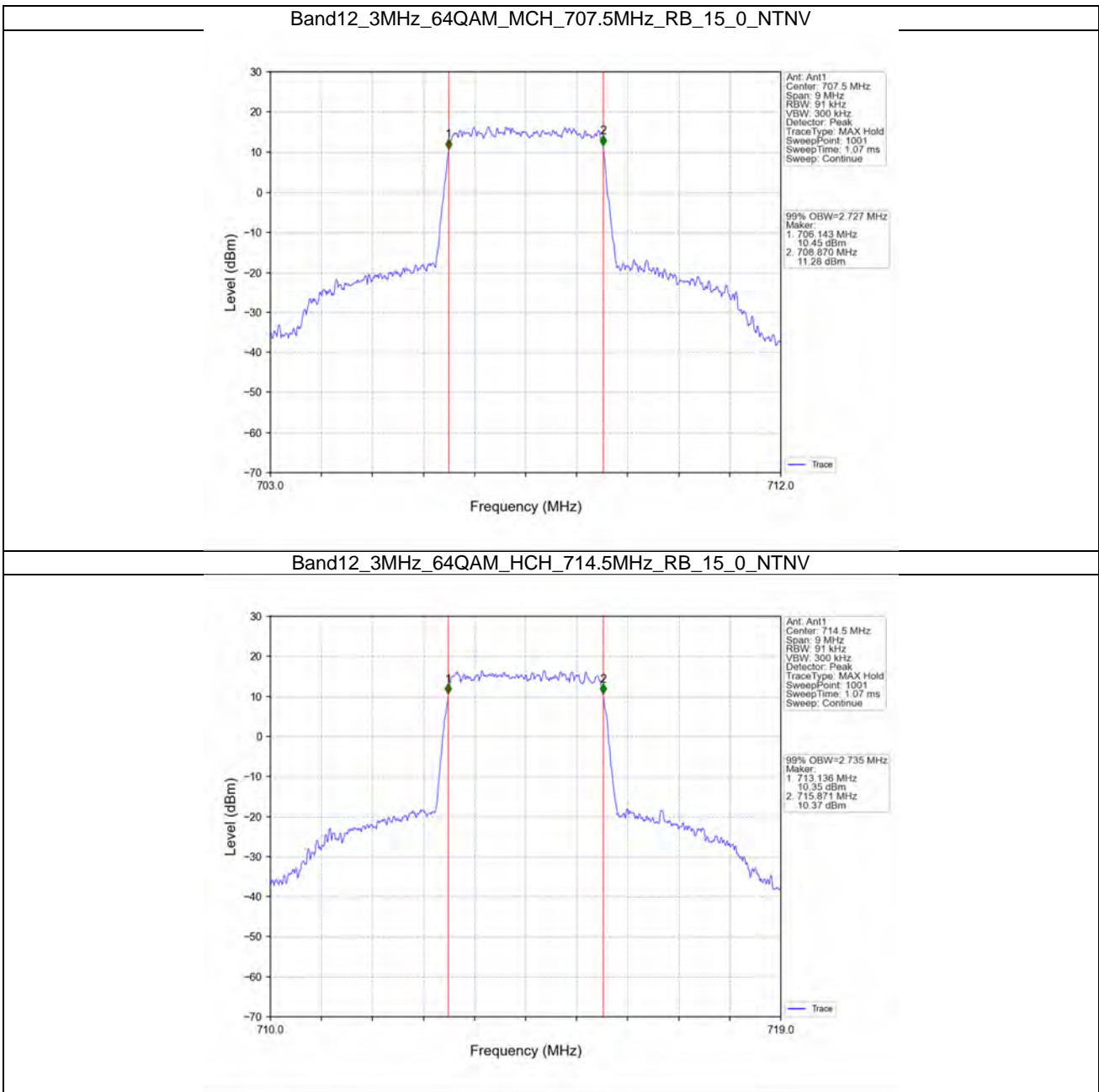
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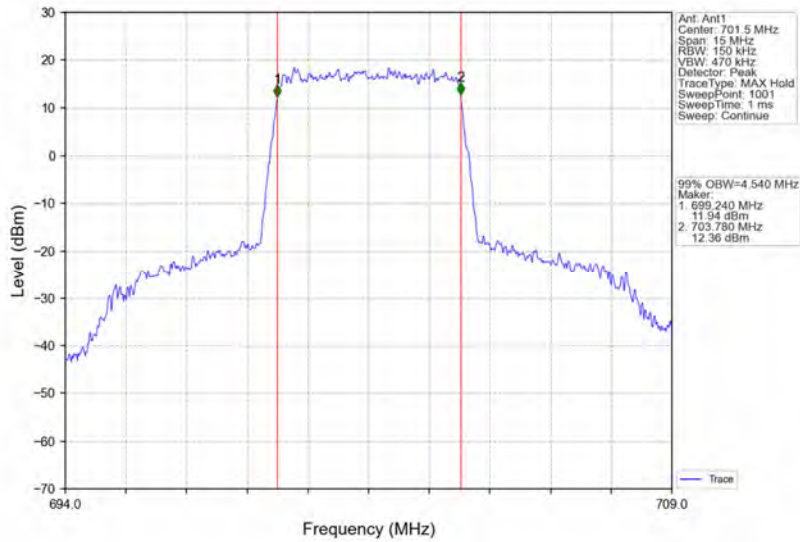
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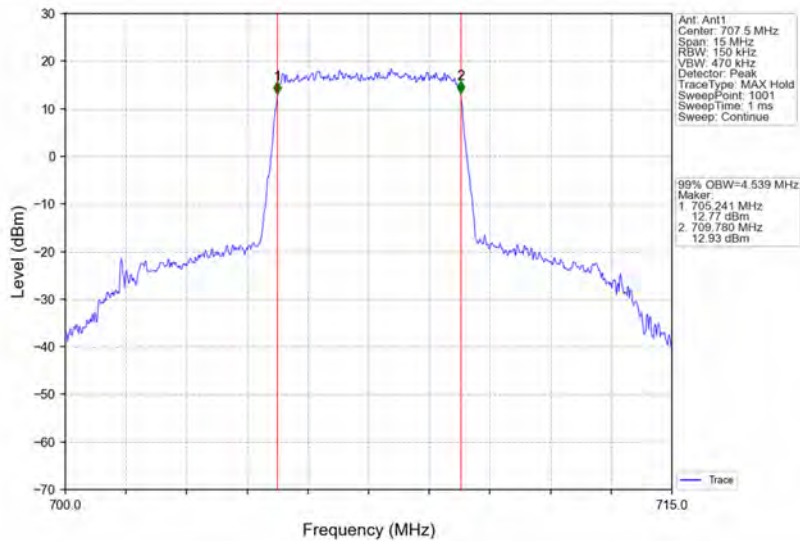
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Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



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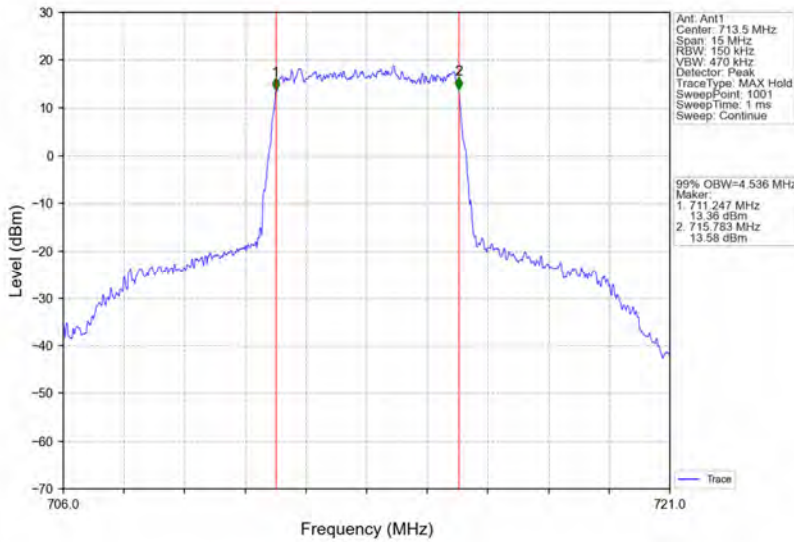
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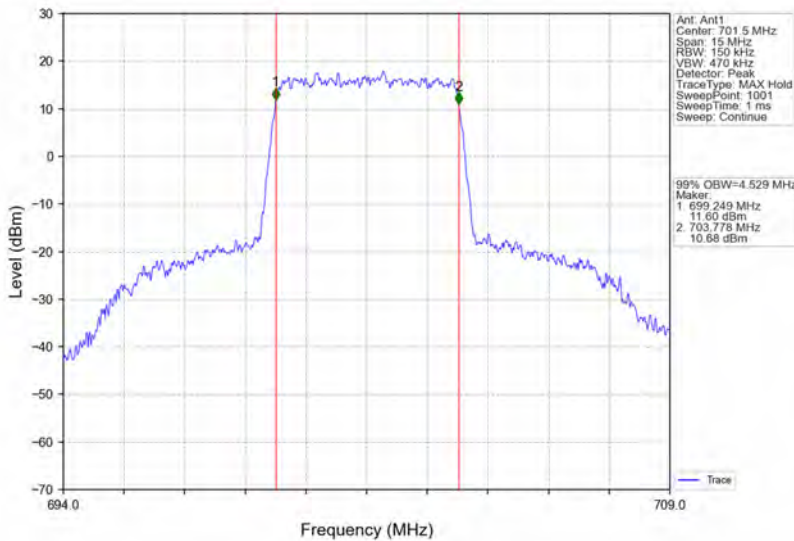
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Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV



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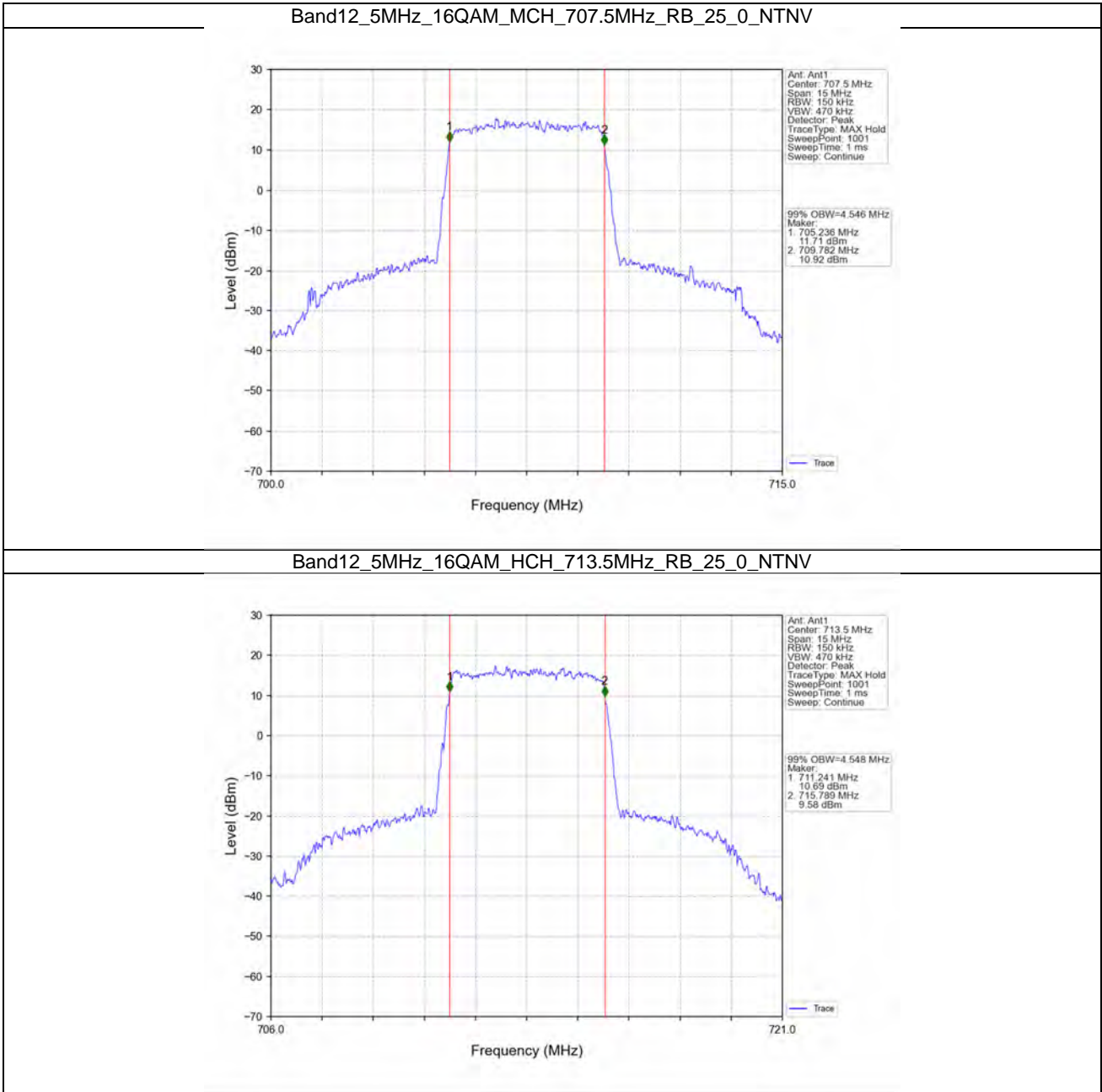
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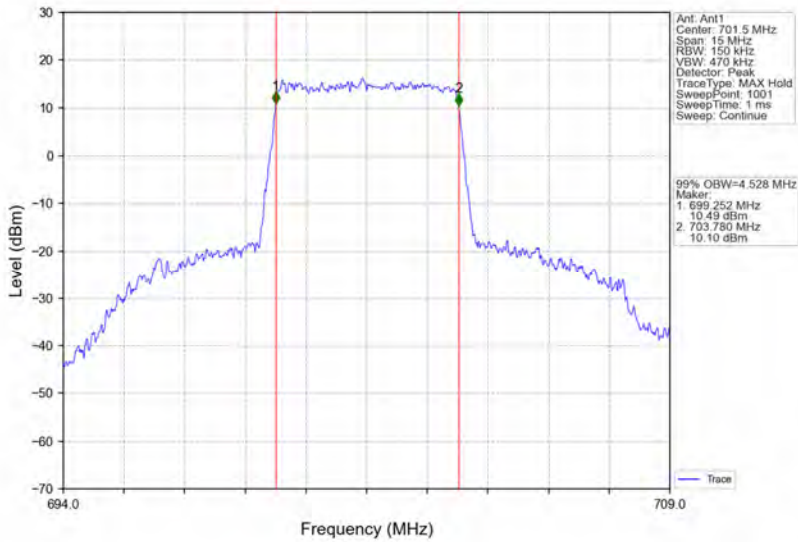
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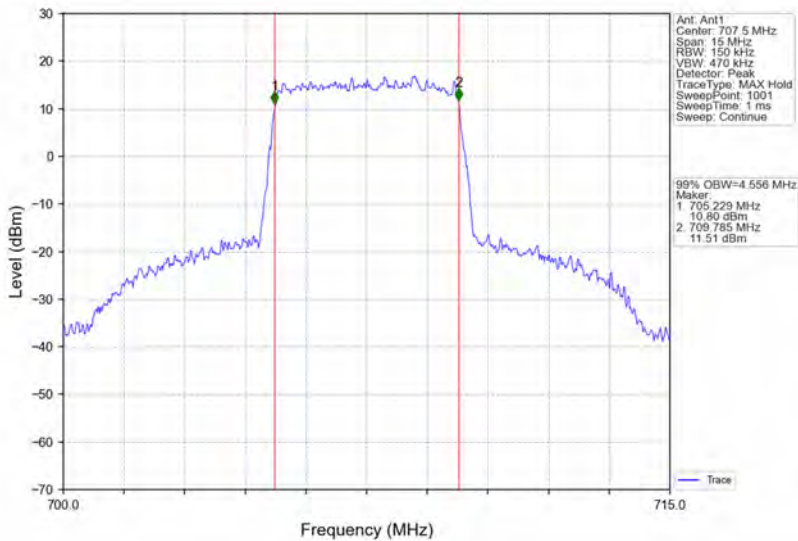
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Band12\_5MHz\_64QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV



Band12\_5MHz\_64QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



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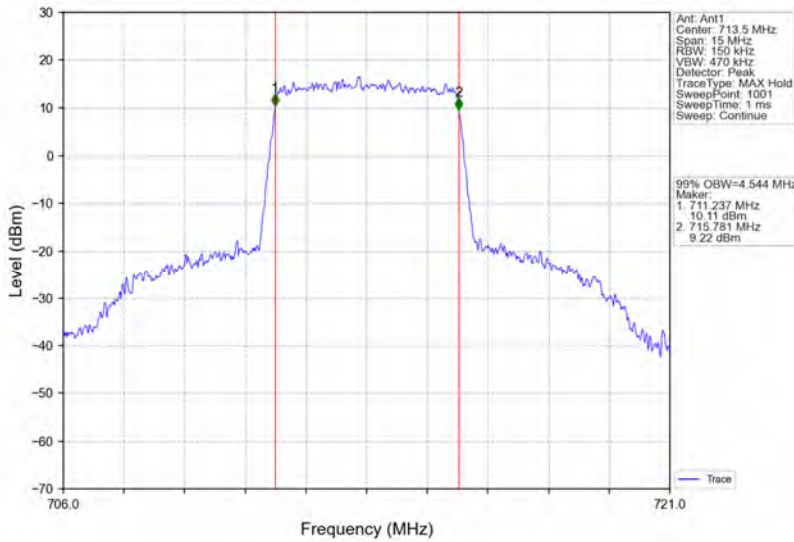
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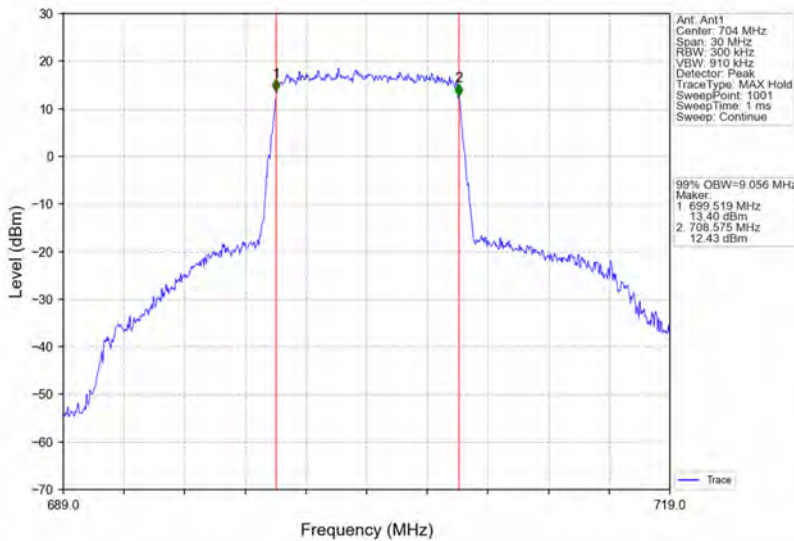
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Band12\_10MHz\_QPSK\_LCH\_704MHz\_RB\_50\_0\_NTNV



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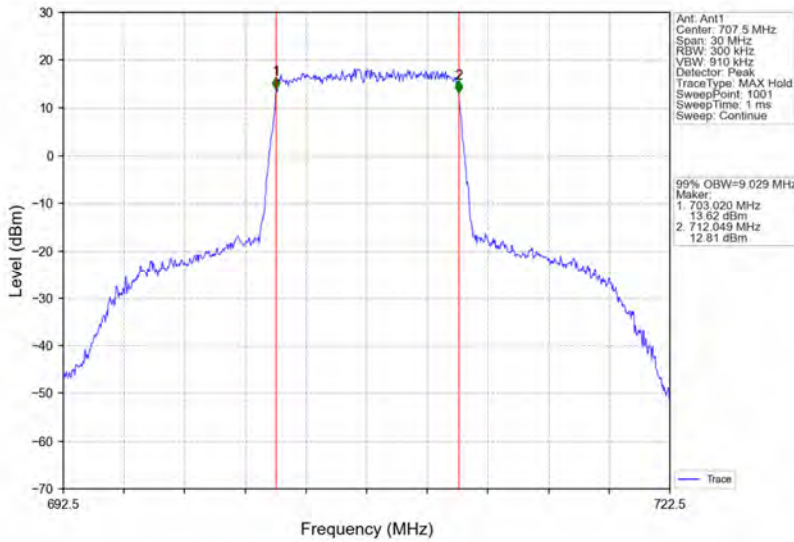
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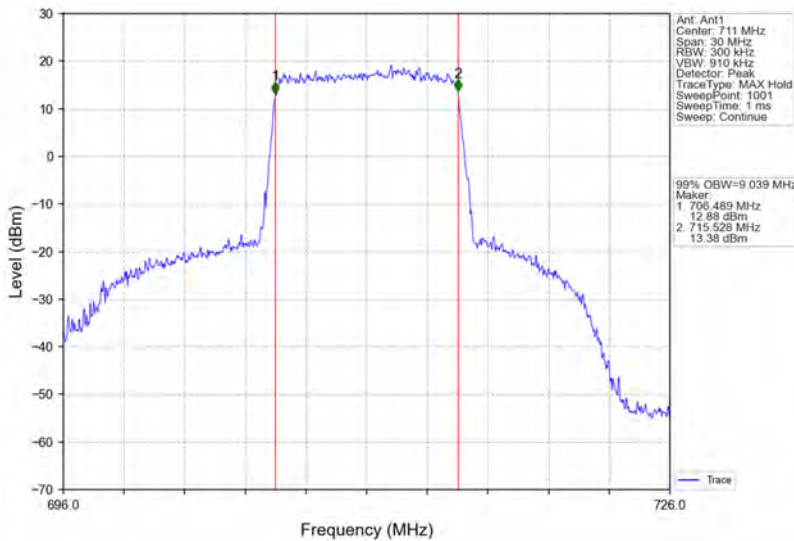
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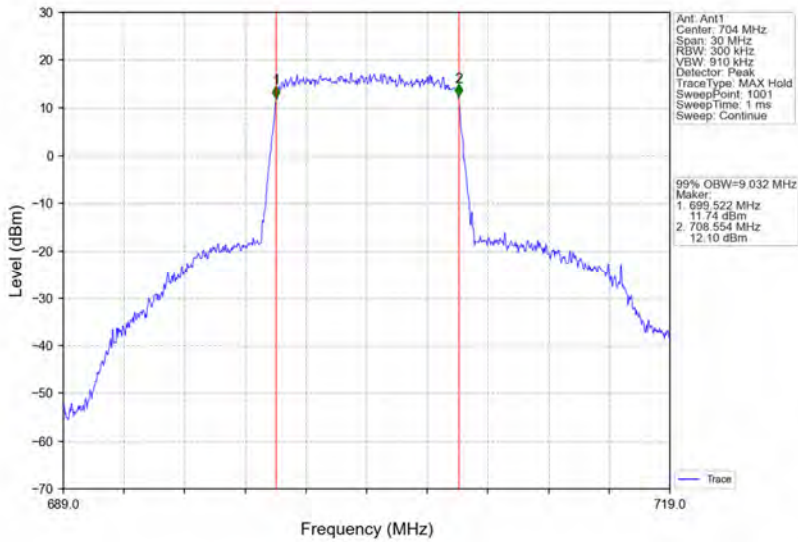
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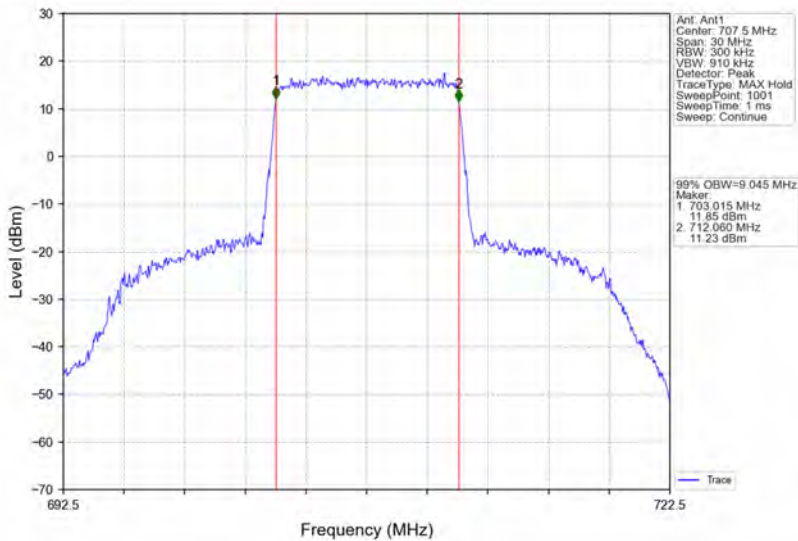


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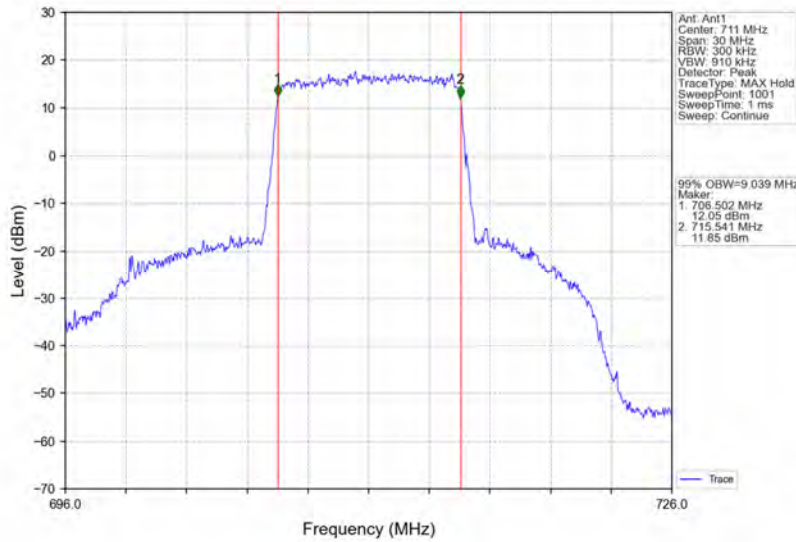
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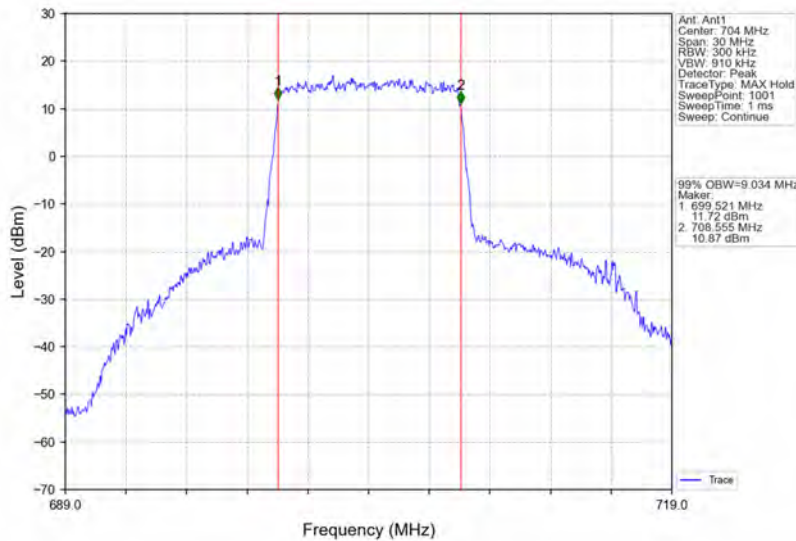
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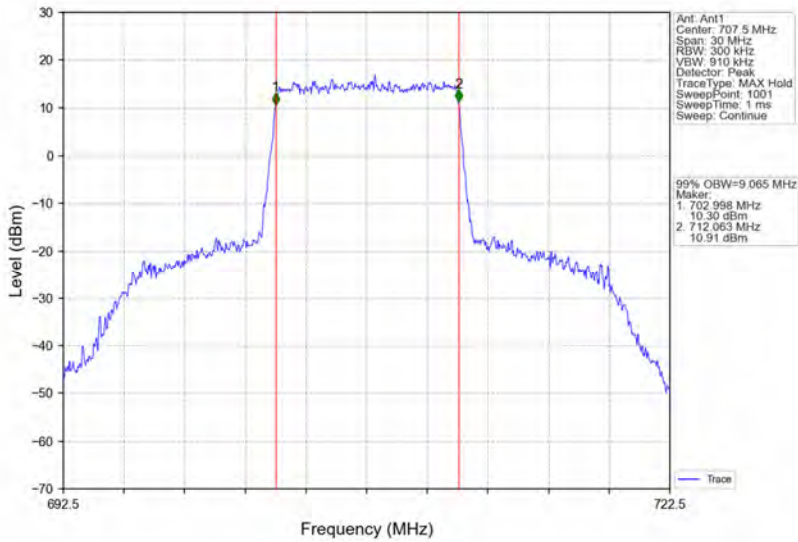
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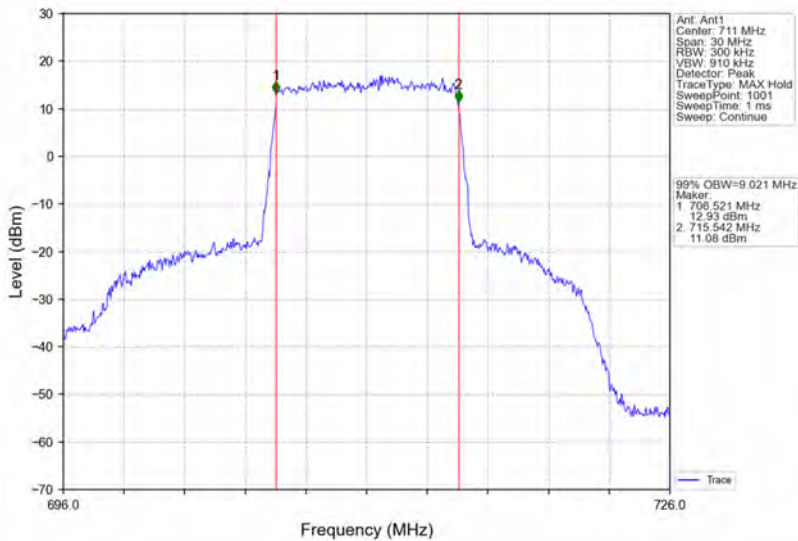
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4.2 Band12\_XDB

4.2.1 Test Result

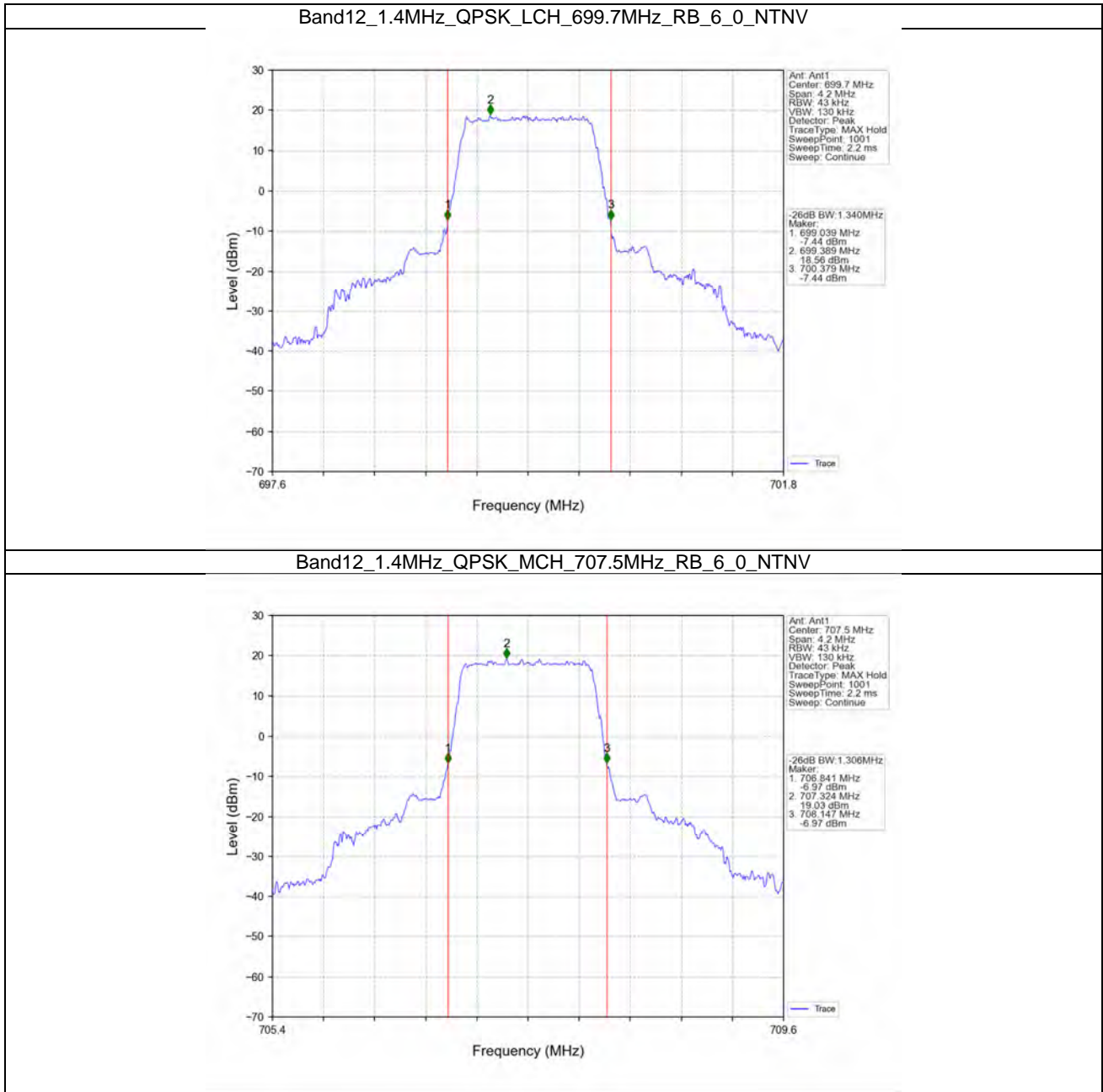
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.340	Pass
		707.5	6	0	1.306	Pass
		715.3	6	0	1.326	Pass
	16QAM	699.7	6	0	1.304	Pass
		707.5	6	0	1.326	Pass
		715.3	6	0	1.318	Pass
	64QAM	699.7	6	0	1.336	Pass
		707.5	6	0	1.300	Pass
		715.3	6	0	1.321	Pass
3	QPSK	700.5	15	0	3.048	Pass
		707.5	15	0	3.034	Pass
		714.5	15	0	3.058	Pass
	16QAM	700.5	15	0	3.039	Pass
		707.5	15	0	3.056	Pass
		714.5	15	0	3.035	Pass
	64QAM	700.5	15	0	3.033	Pass
		707.5	15	0	3.041	Pass
		714.5	15	0	3.049	Pass
5	QPSK	701.5	25	0	5.122	Pass
		707.5	25	0	5.064	Pass
		713.5	25	0	5.065	Pass
	16QAM	701.5	25	0	5.051	Pass
		707.5	25	0	5.091	Pass
		713.5	25	0	5.118	Pass
	64QAM	701.5	25	0	5.081	Pass
		707.5	25	0	5.089	Pass
		713.5	25	0	5.053	Pass
10	QPSK	704	50	0	10.062	Pass
		707.5	50	0	10.036	Pass
		711	50	0	10.013	Pass
	16QAM	704	50	0	10.023	Pass
		707.5	50	0	9.956	Pass
		711	50	0	10.029	Pass
	64QAM	704	50	0	9.964	Pass
		707.5	50	0	9.999	Pass
		711	50	0	9.991	Pass



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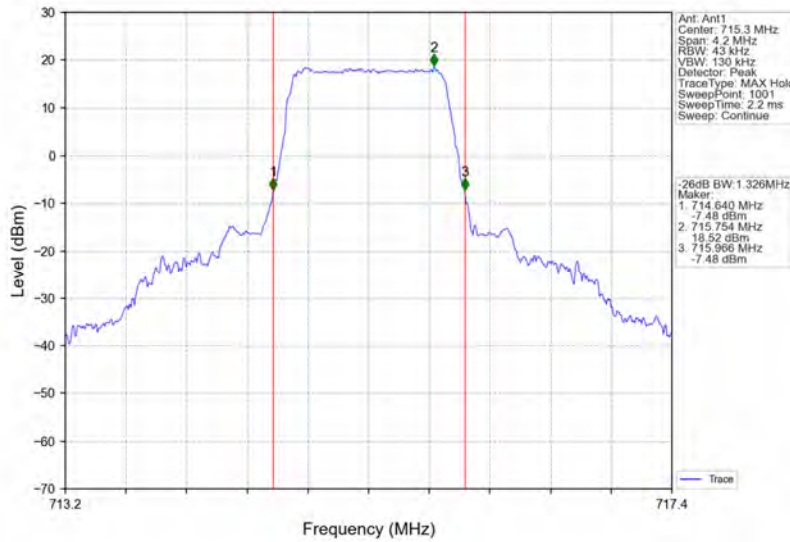
4.2.2 Test Graph



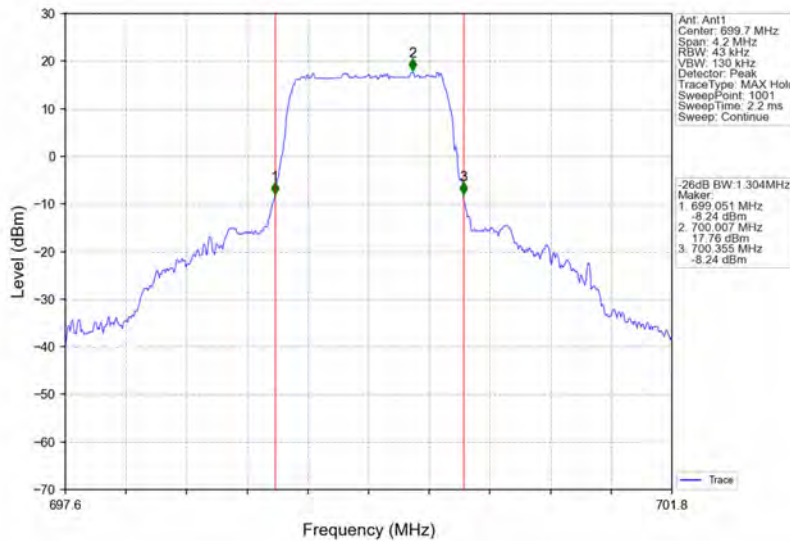
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Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



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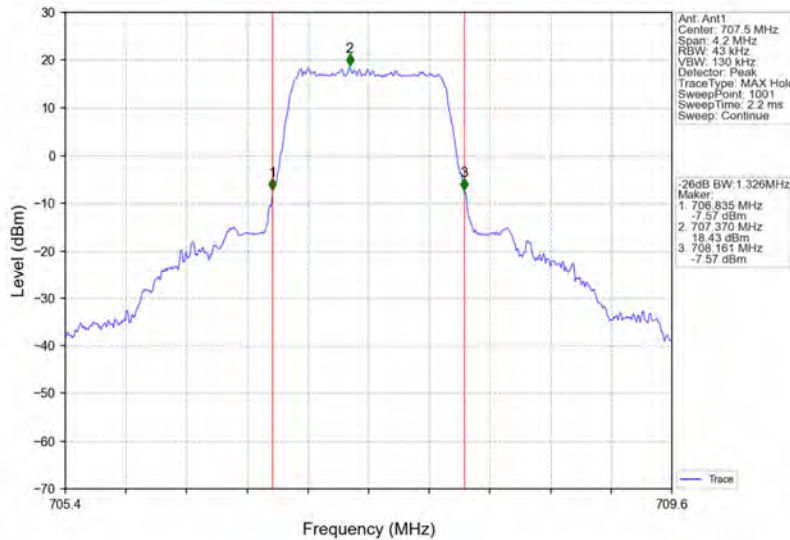
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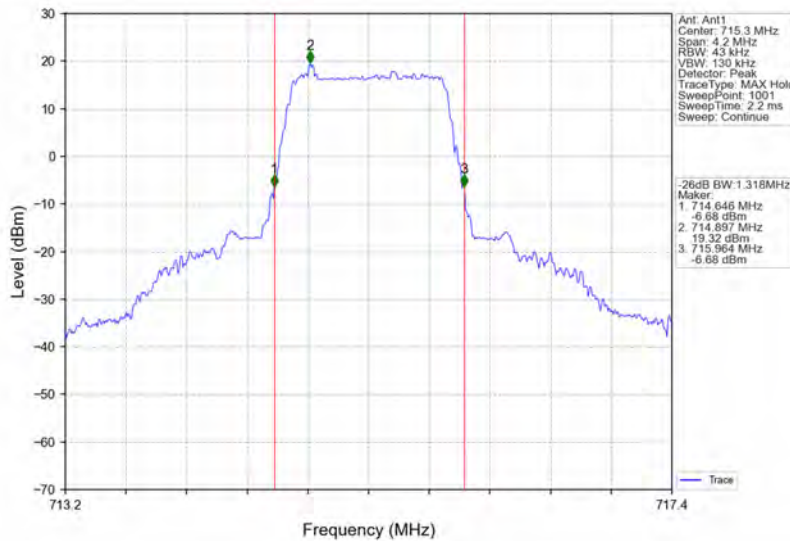




Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



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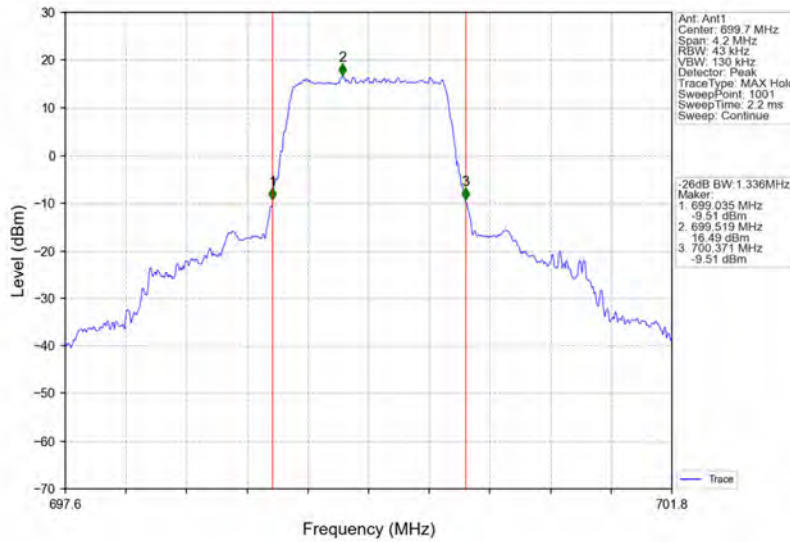
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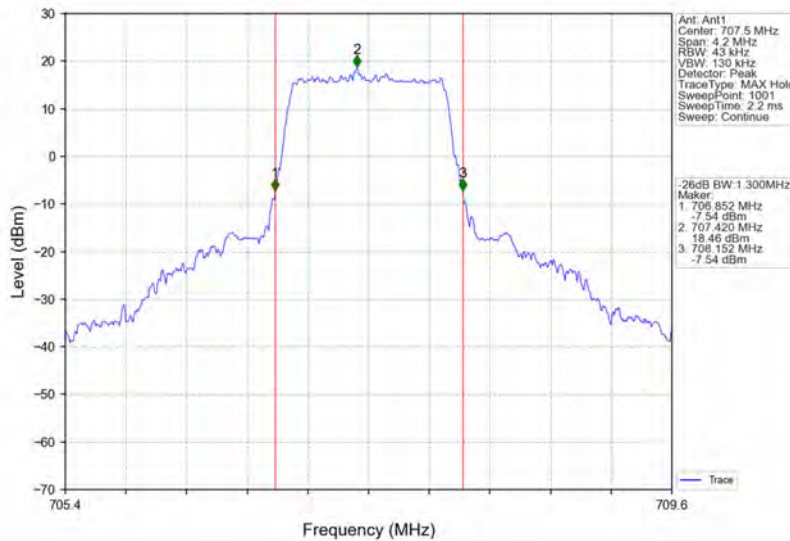
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Band12\_1.4MHz\_64QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



Band12\_1.4MHz\_64QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



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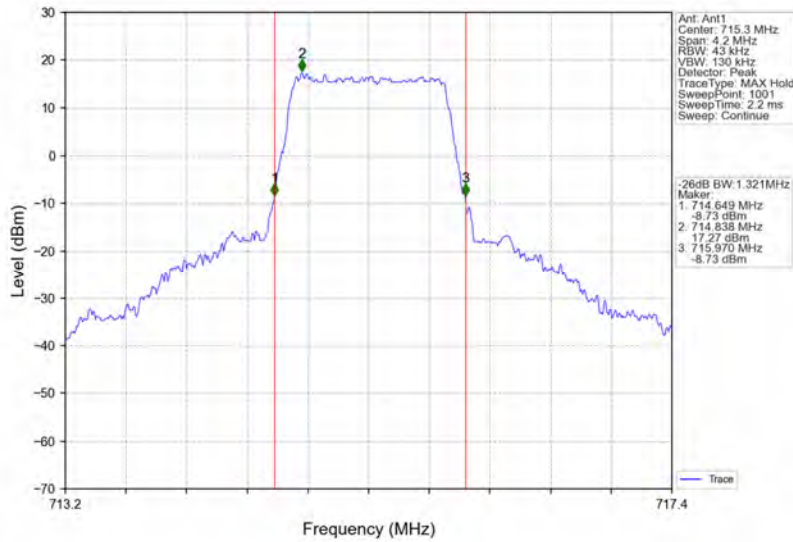
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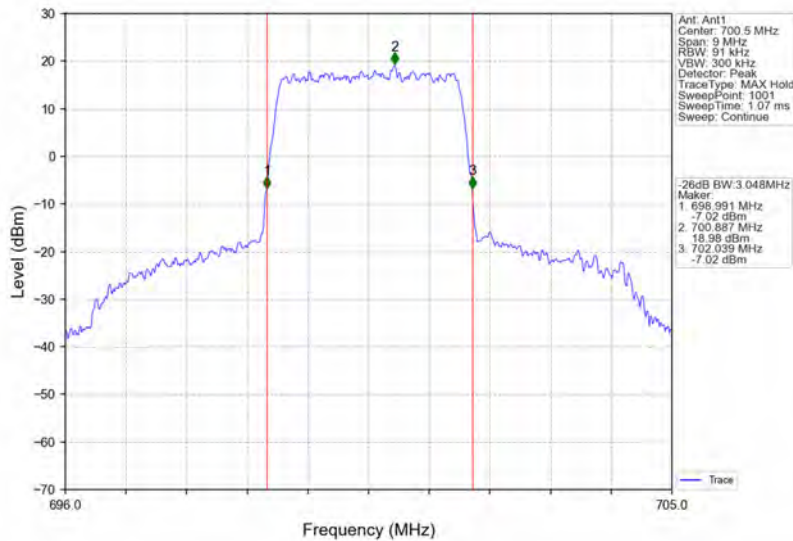
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Band12\_1.4MHz\_64QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



Band12\_3MHz\_QPSK\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



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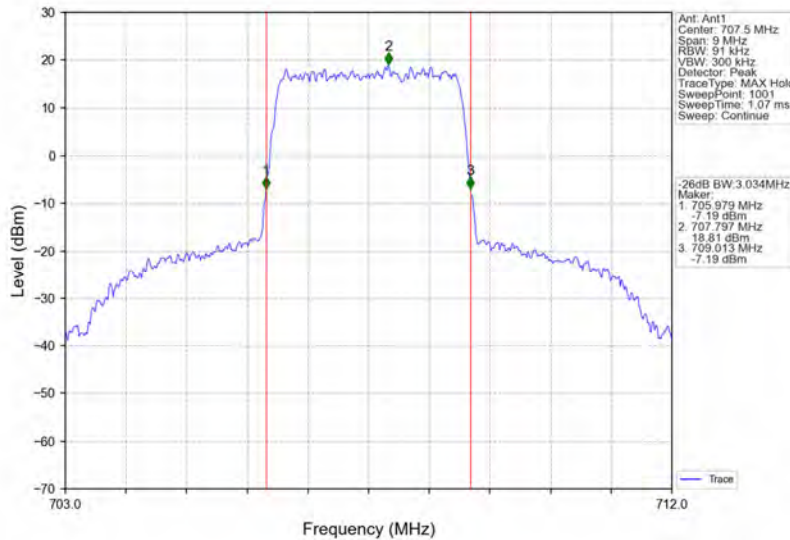
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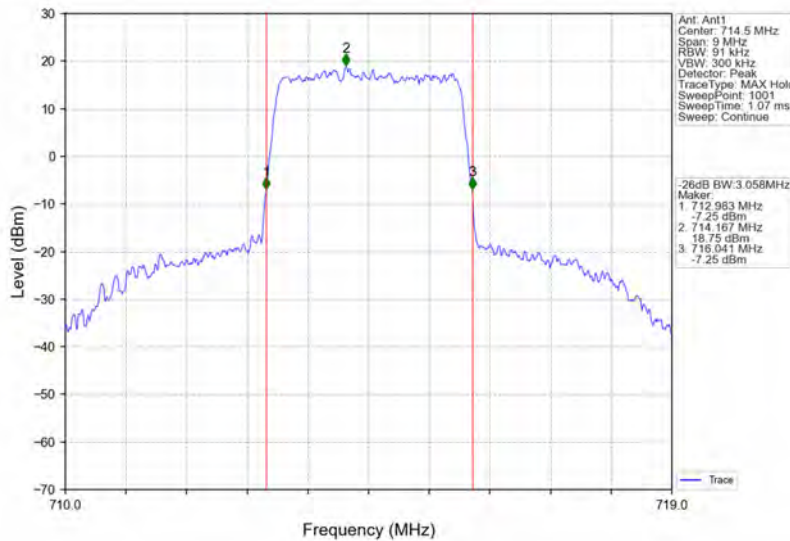
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Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



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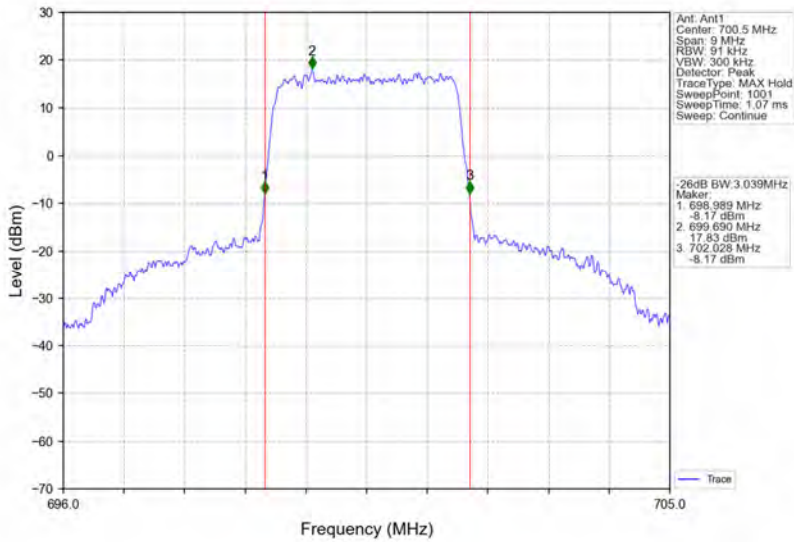
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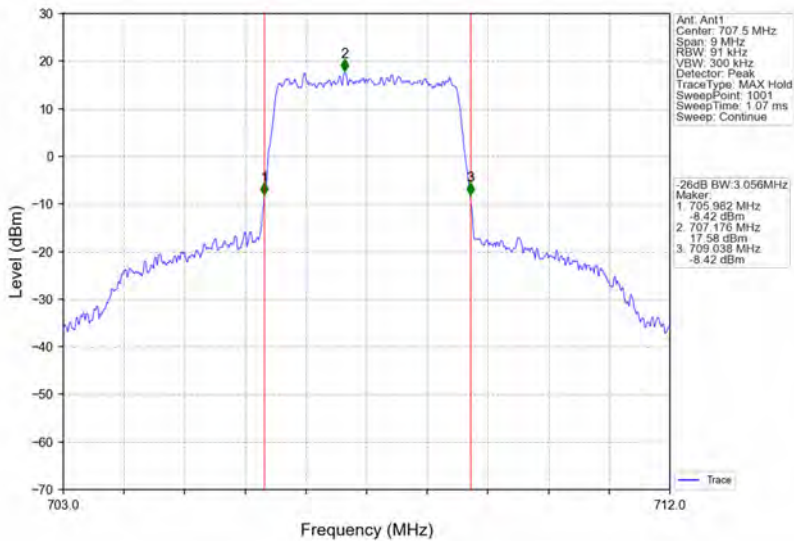


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Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



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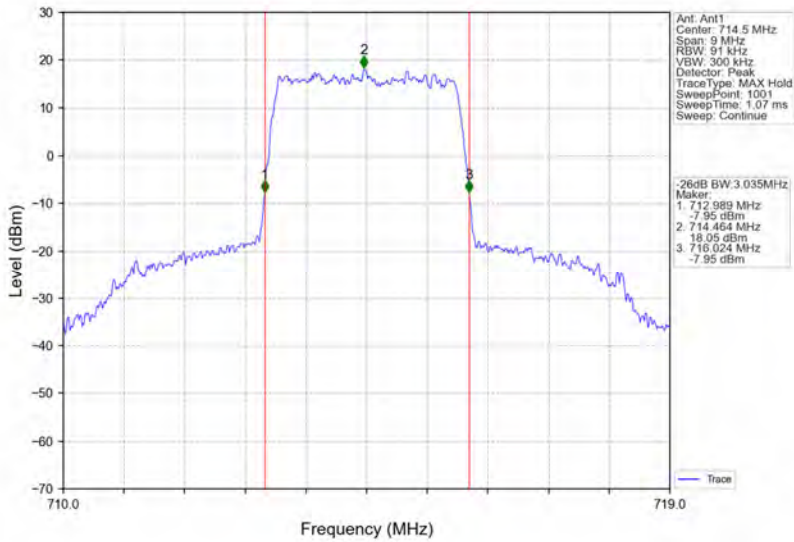
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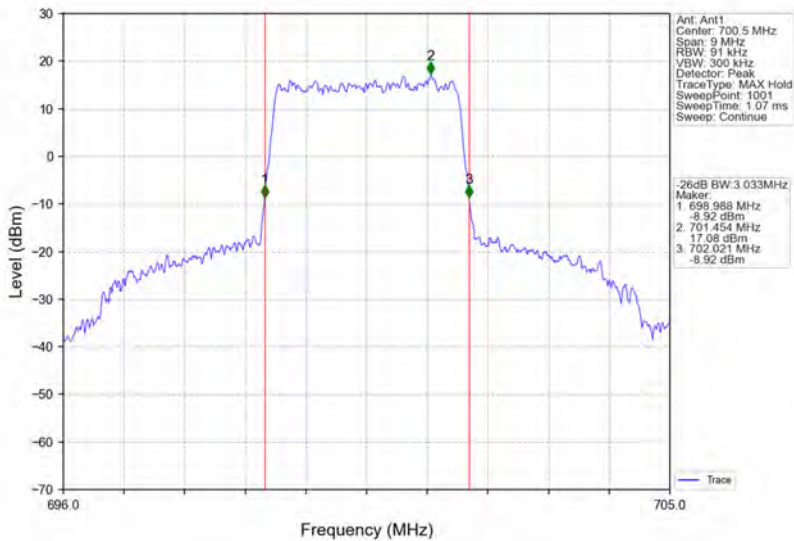
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Band12\_3MHz\_16QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



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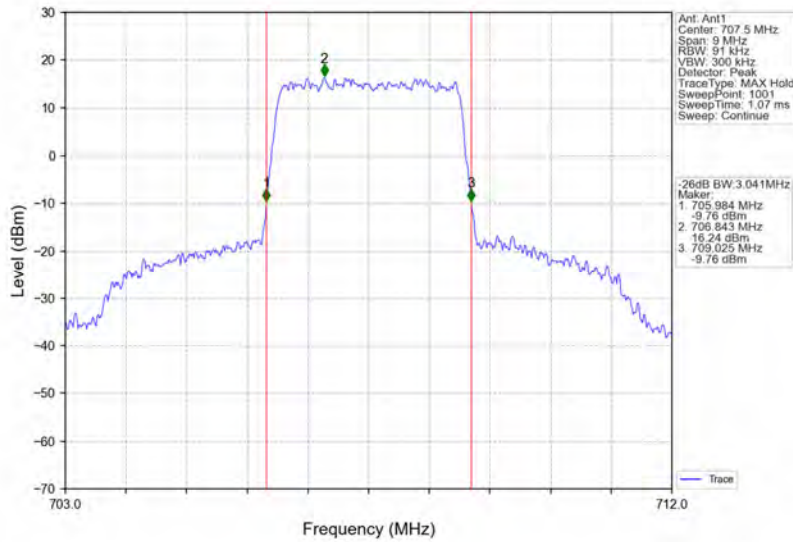
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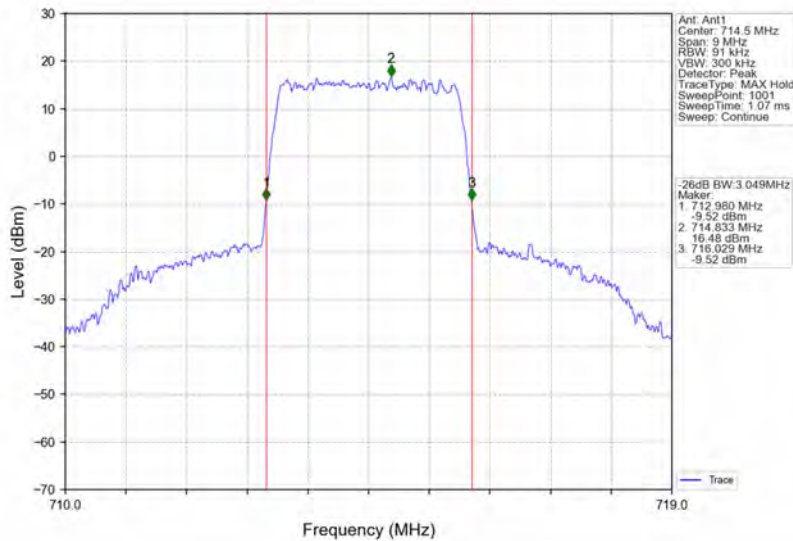


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Band12\_3MHz\_64QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



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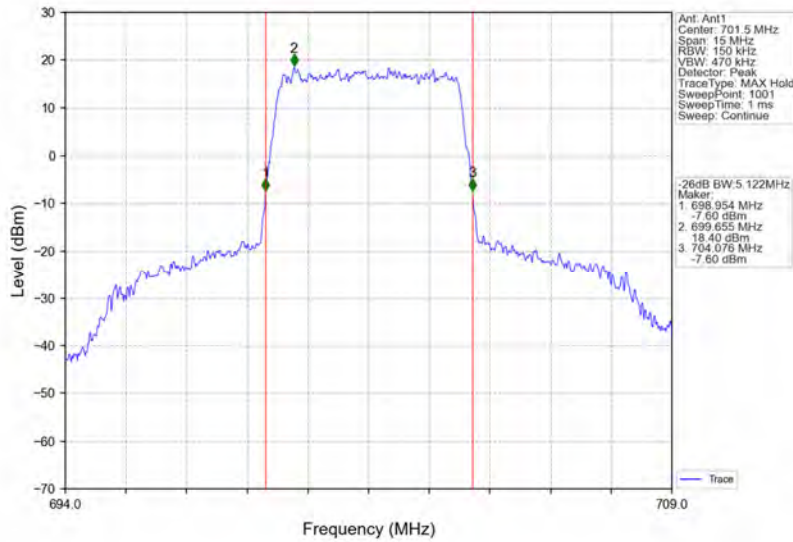
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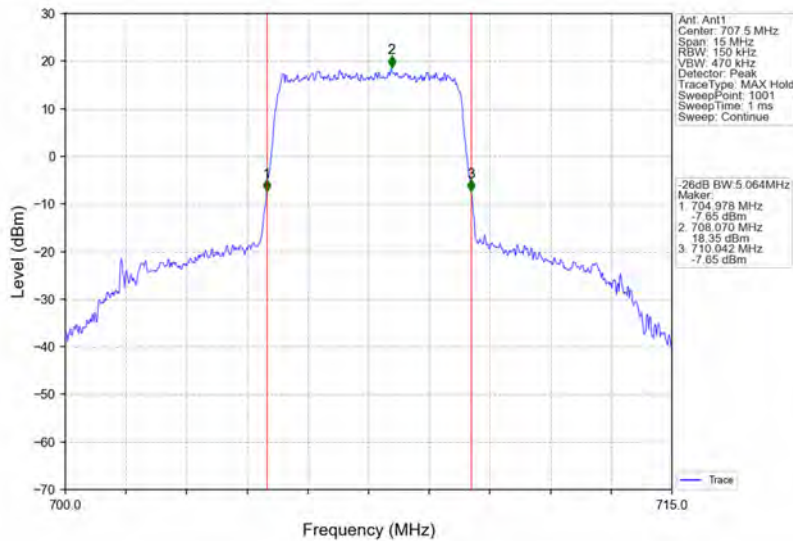
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Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



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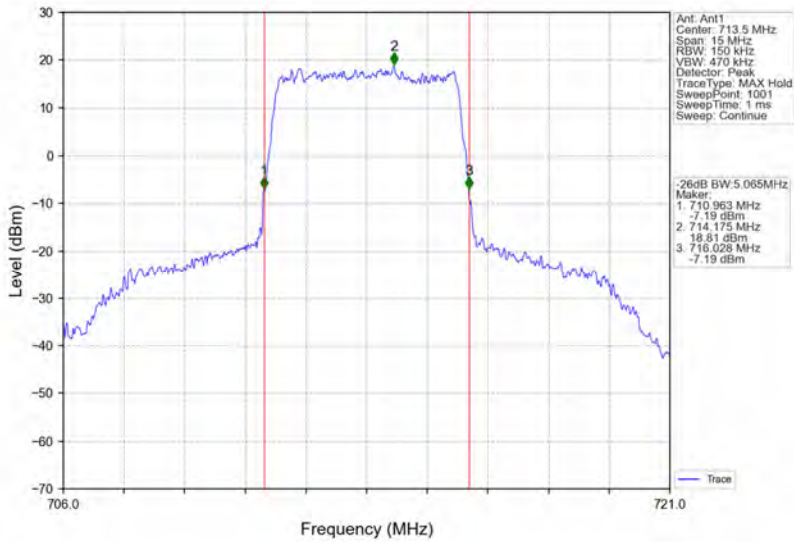
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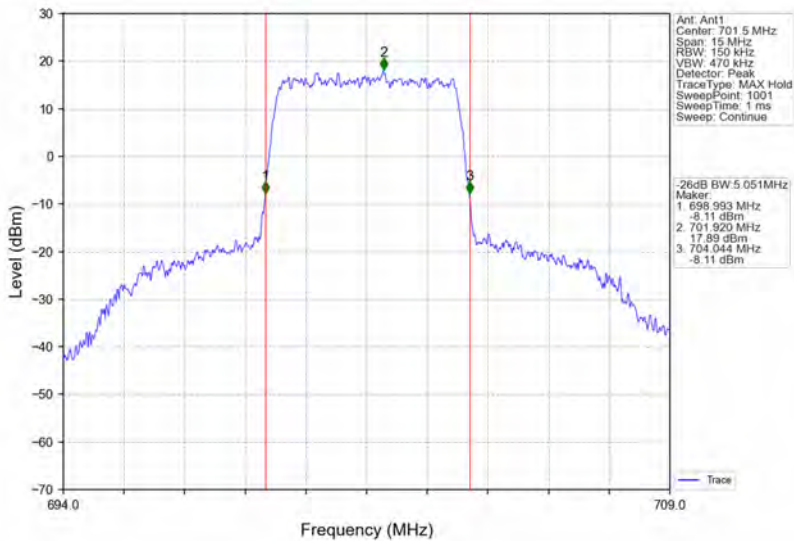




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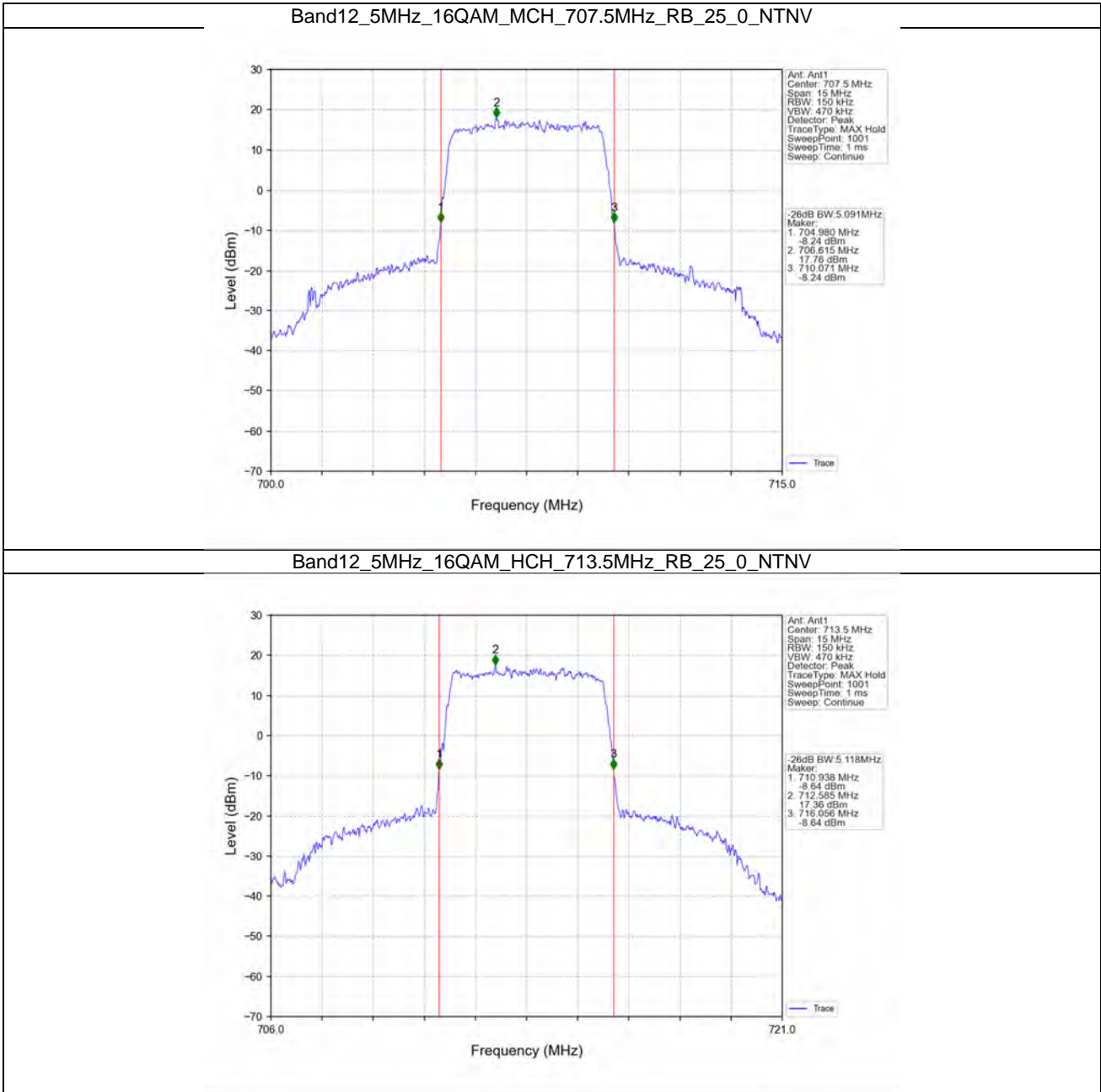
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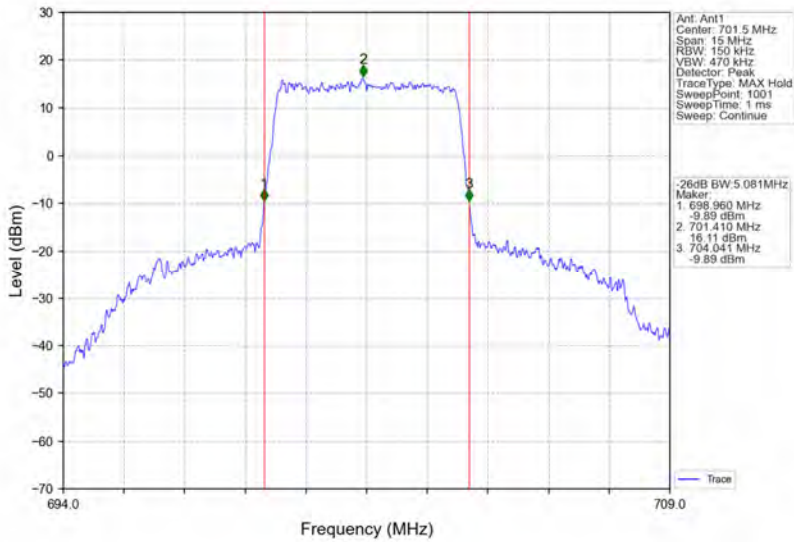
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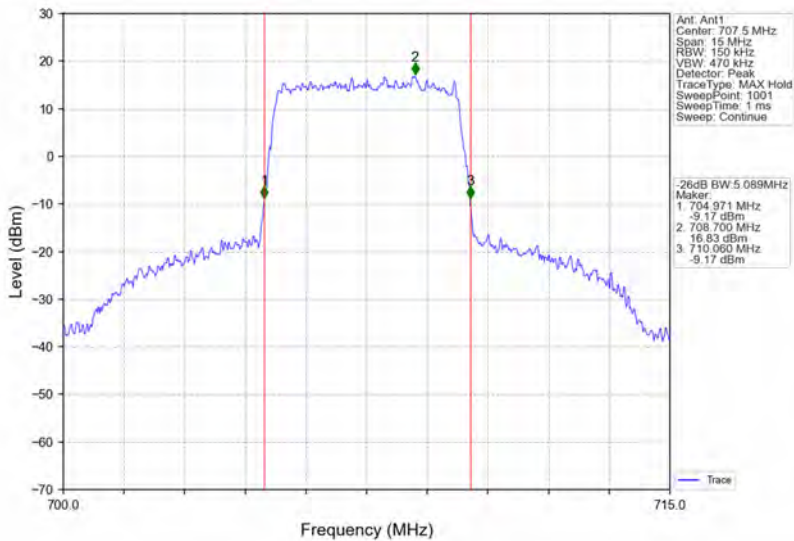
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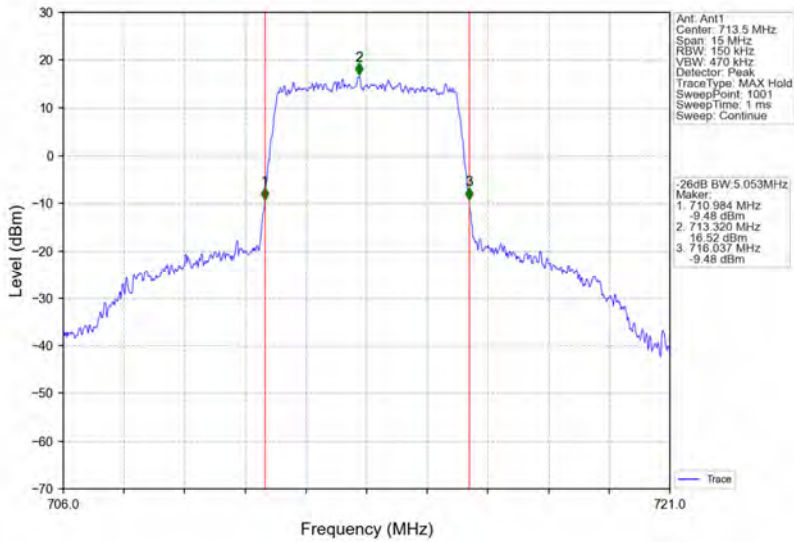
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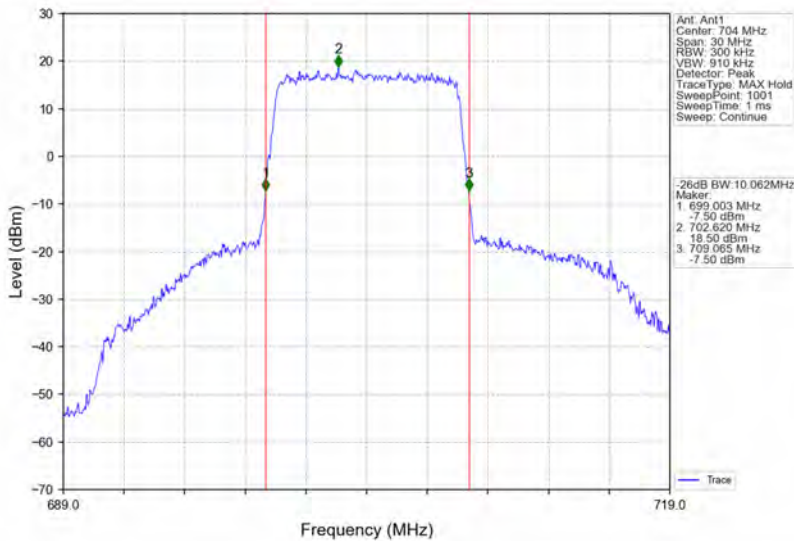
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Band12\_5MHz\_64QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



Band12\_10MHz\_QPSK\_LCH\_704MHz\_RB\_50\_0\_NTNV



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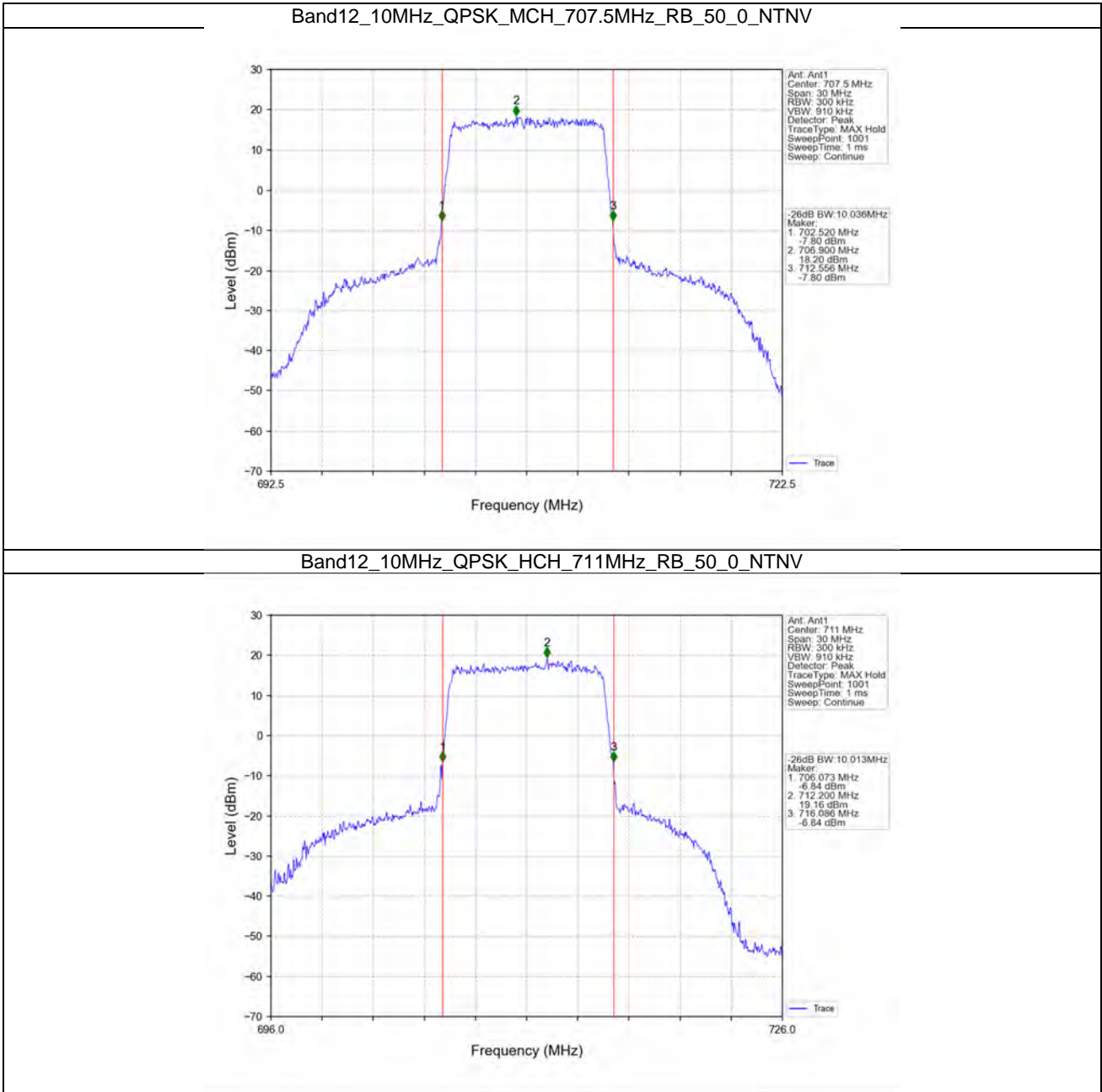
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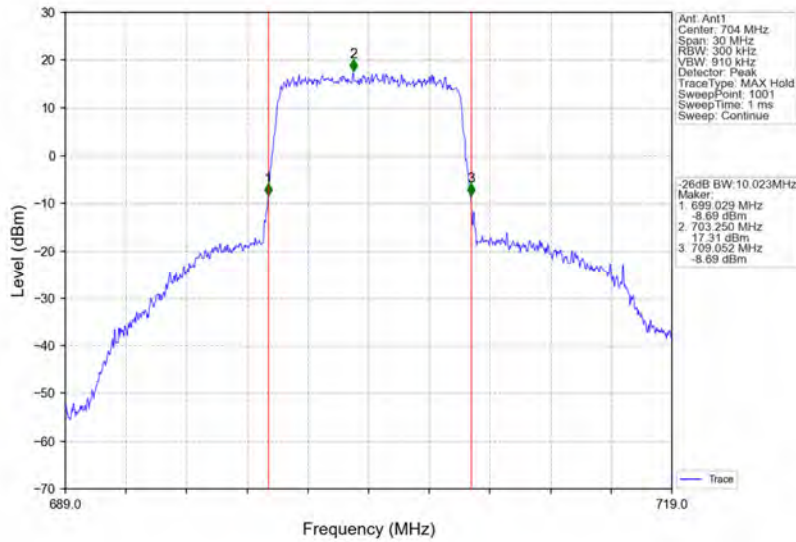




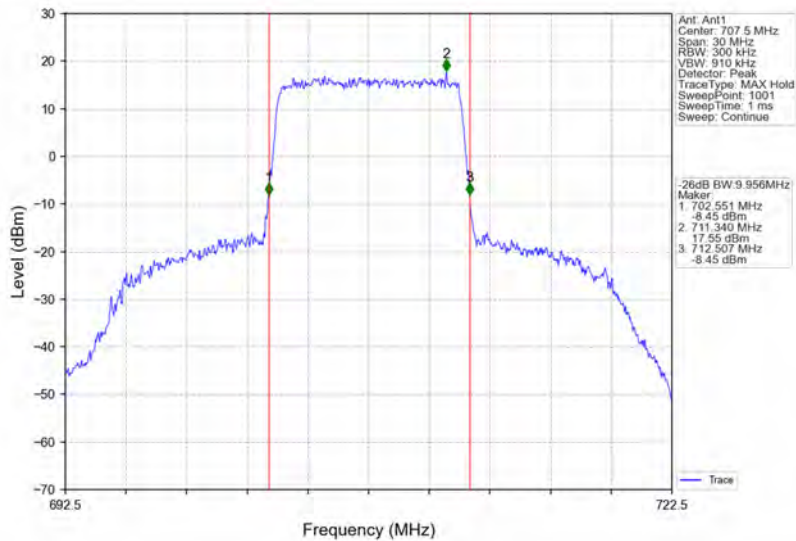
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Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



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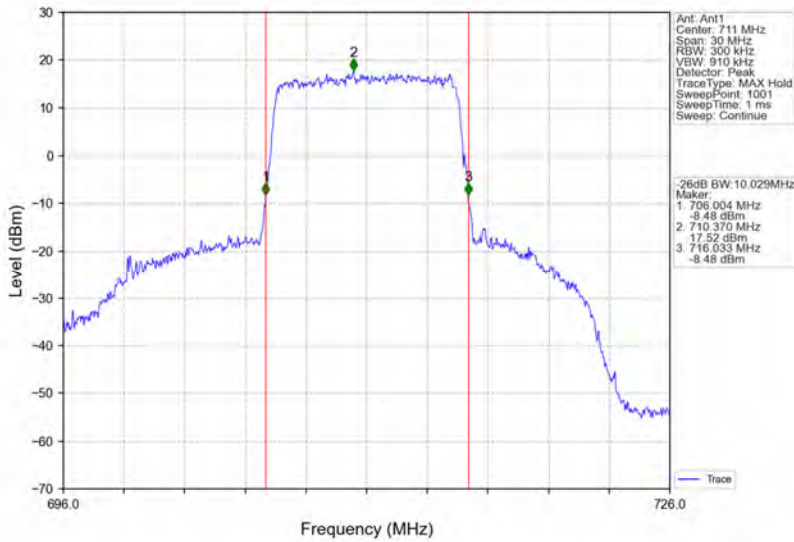
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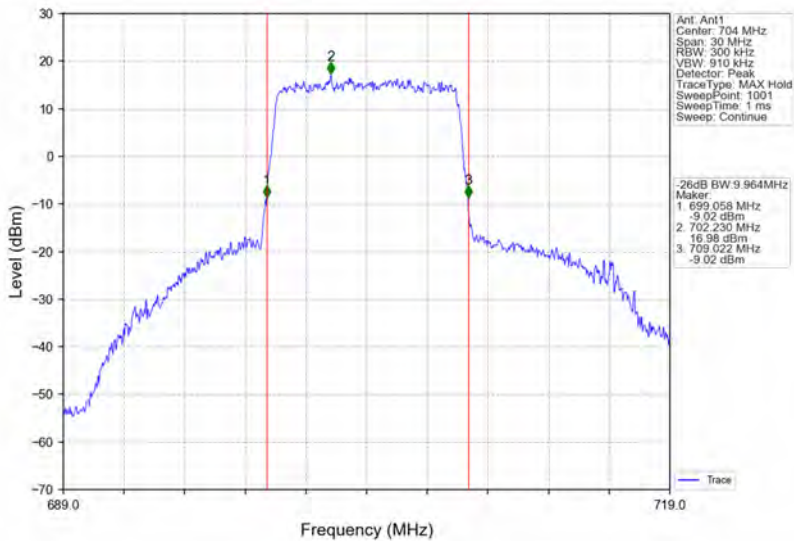
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Band12\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_64QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV



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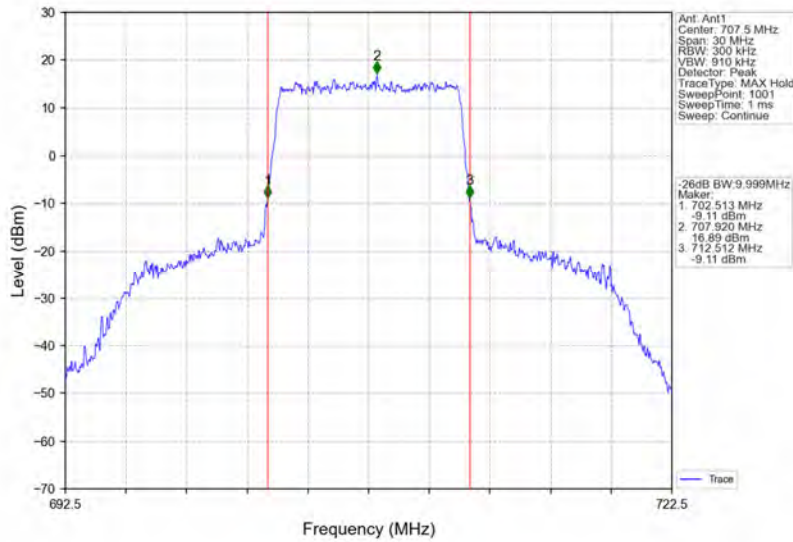
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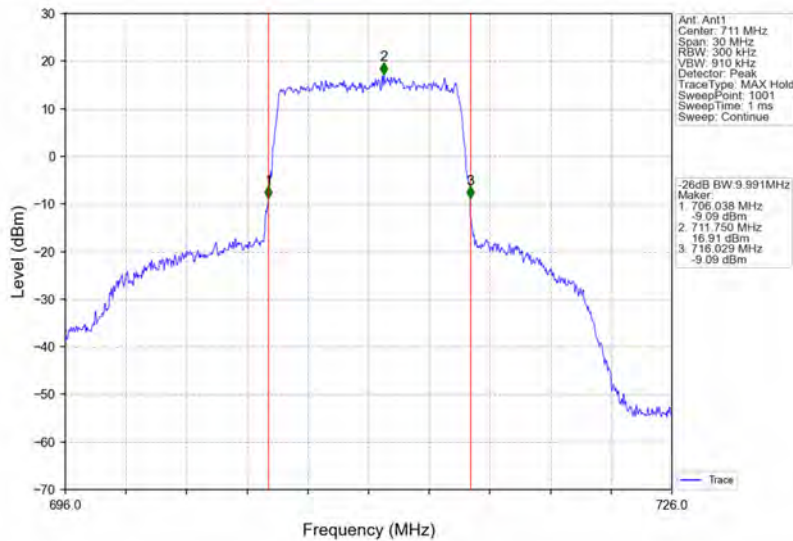
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Band12\_10MHz\_64QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_64QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



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EMC Laboratory



## 5. Peak-Average Ratio

### 5.1 B12\_1.4MHz

#### 5.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.63	<=13	Pass
	707.5	6	0	5.68	<=13	Pass
	715.3	6	0	5.56	<=13	Pass
16QAM	699.7	6	0	6.57	<=13	Pass
	707.5	6	0	6.59	<=13	Pass
	715.3	6	0	6.44	<=13	Pass
64QAM	699.7	6	0	6.94	<=13	Pass
	707.5	6	0	7.24	<=13	Pass
	715.3	6	0	7.08	<=13	Pass



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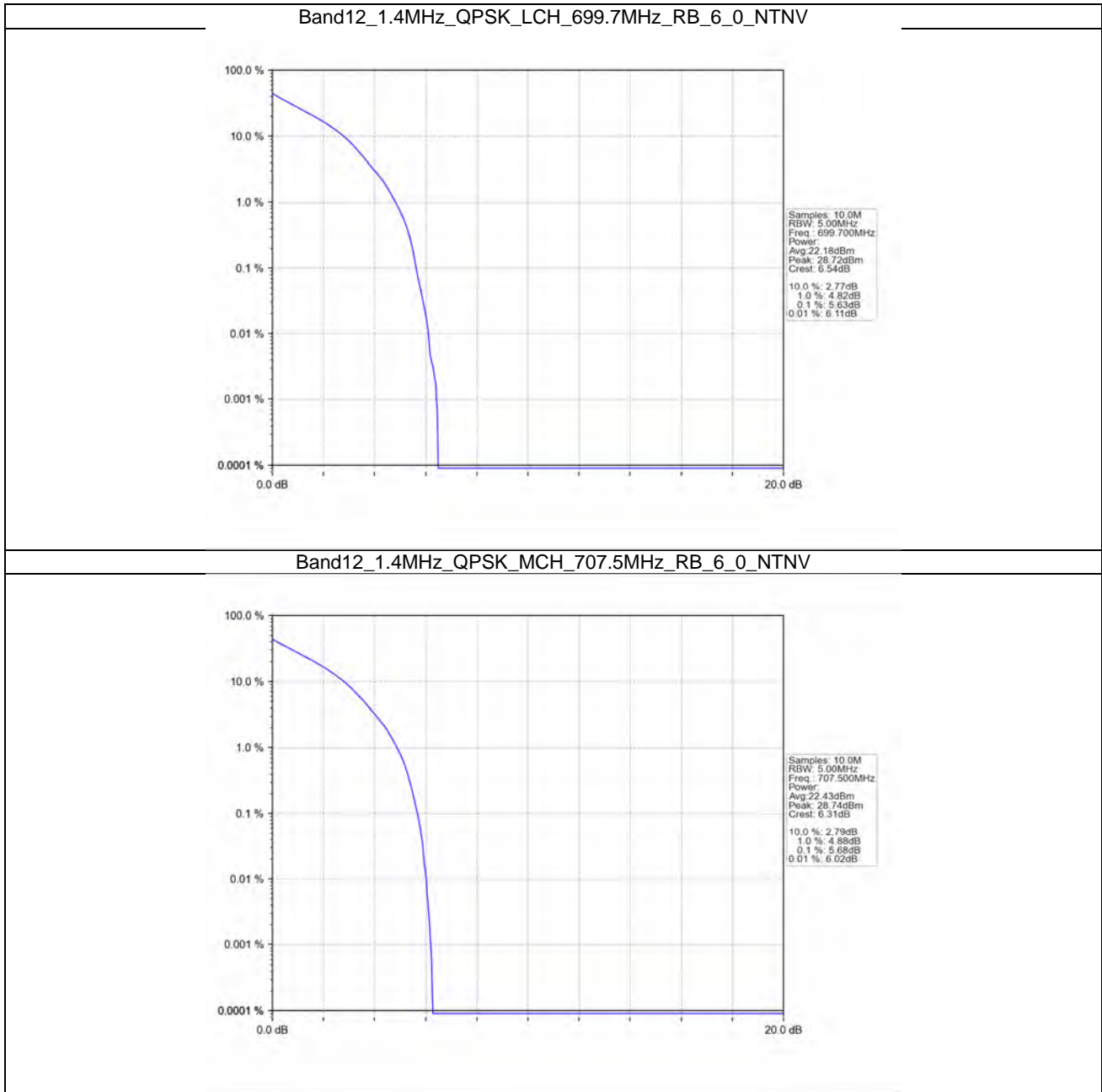
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5.1.2 Test Graph

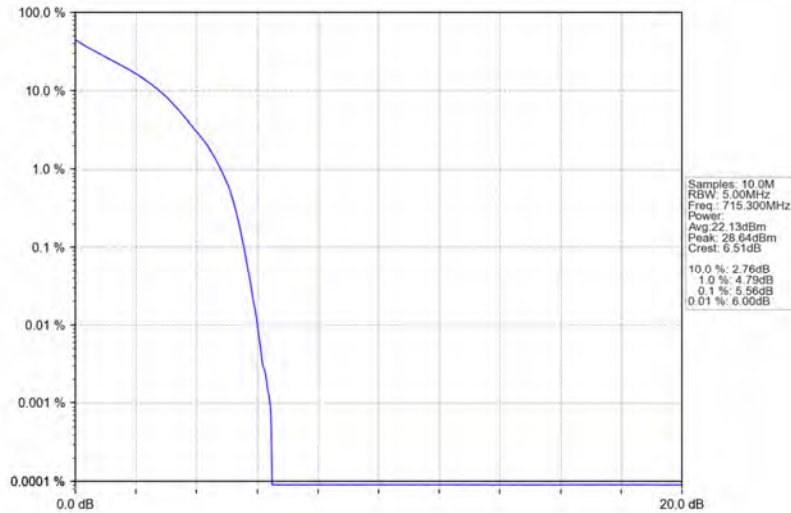


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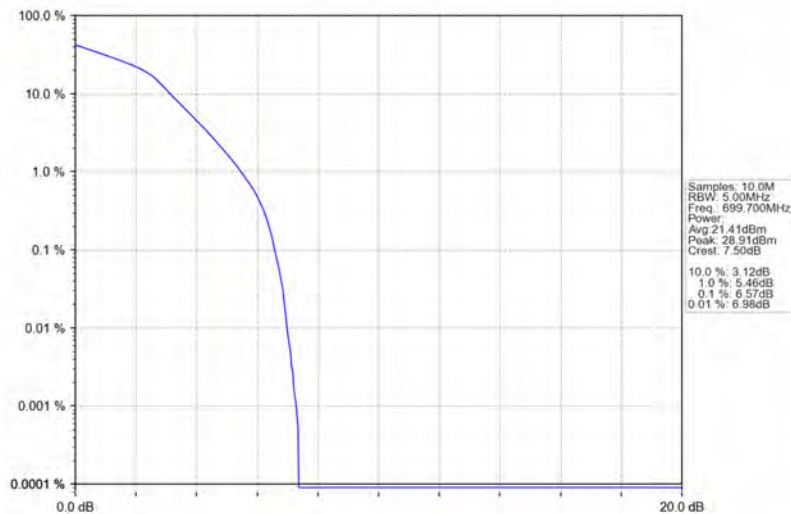
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Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



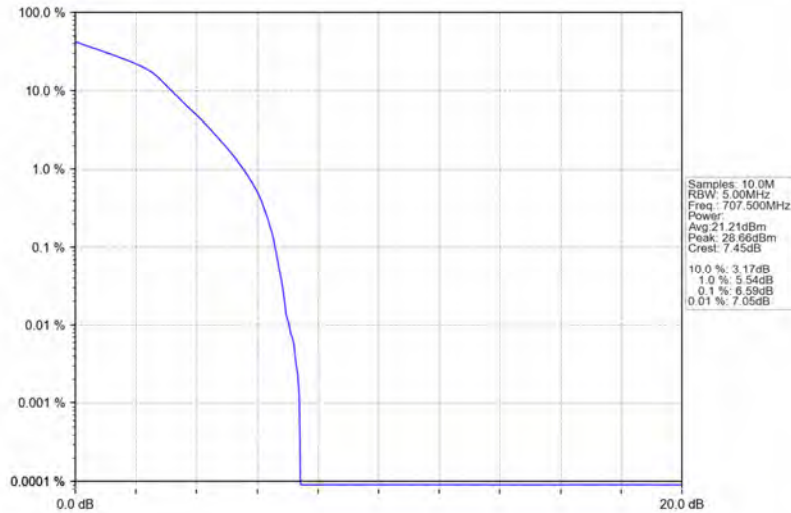
Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



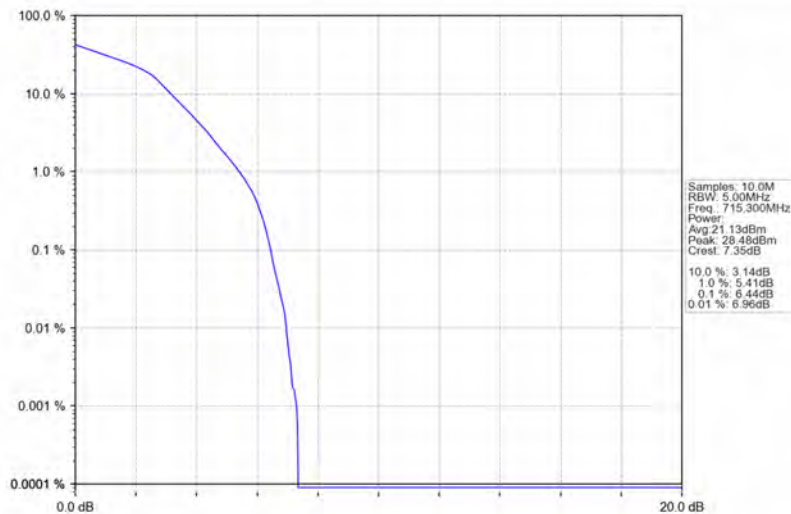
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Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



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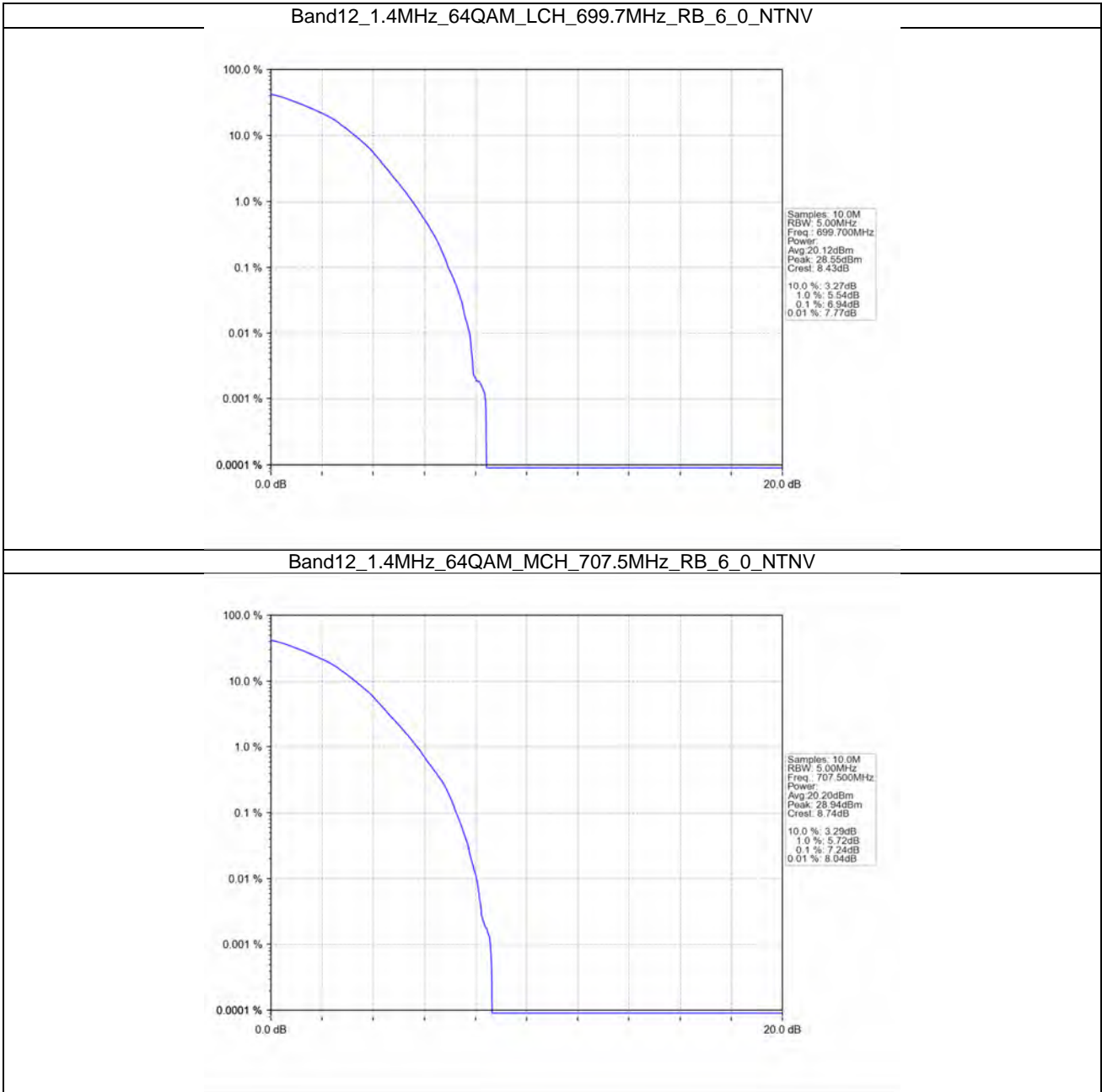
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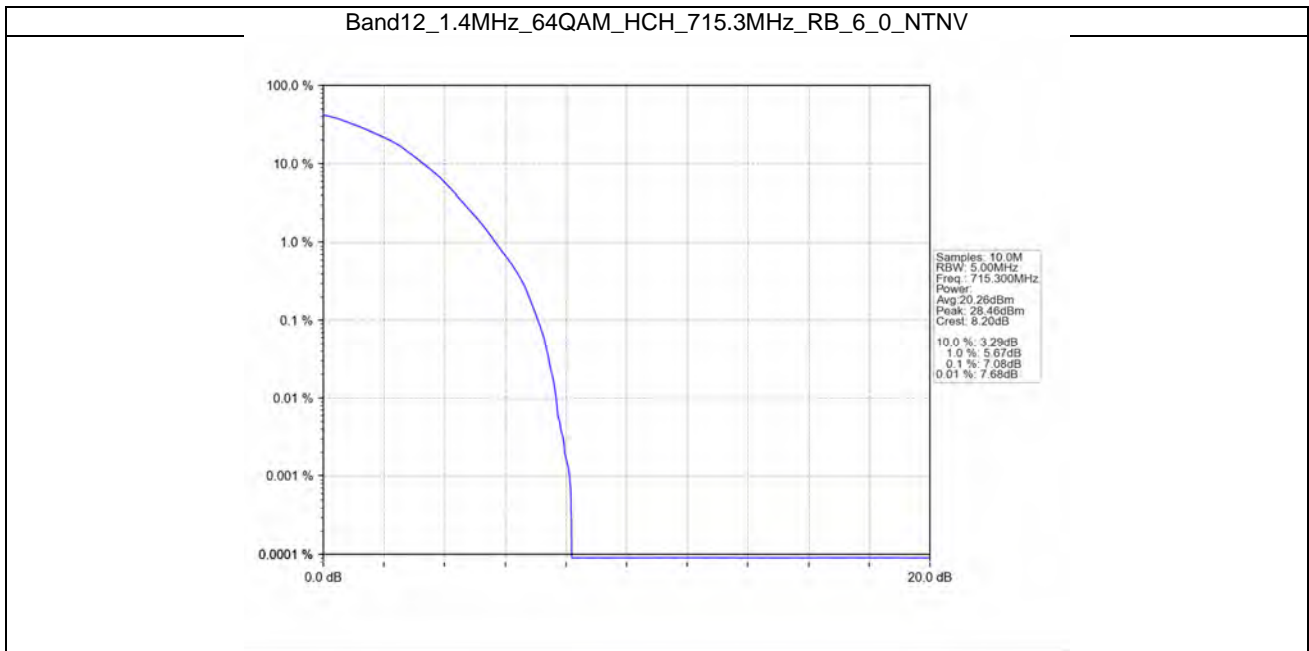
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5.2 B12\_3MHz

5.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.62	<=13	Pass
	707.5	15	0	5.62	<=13	Pass
	714.5	15	0	5.59	<=13	Pass
16QAM	700.5	15	0	6.55	<=13	Pass
	707.5	15	0	6.58	<=13	Pass
	714.5	15	0	6.50	<=13	Pass
64QAM	700.5	15	0	7.10	<=13	Pass
	707.5	15	0	7.07	<=13	Pass
	714.5	15	0	7.14	<=13	Pass



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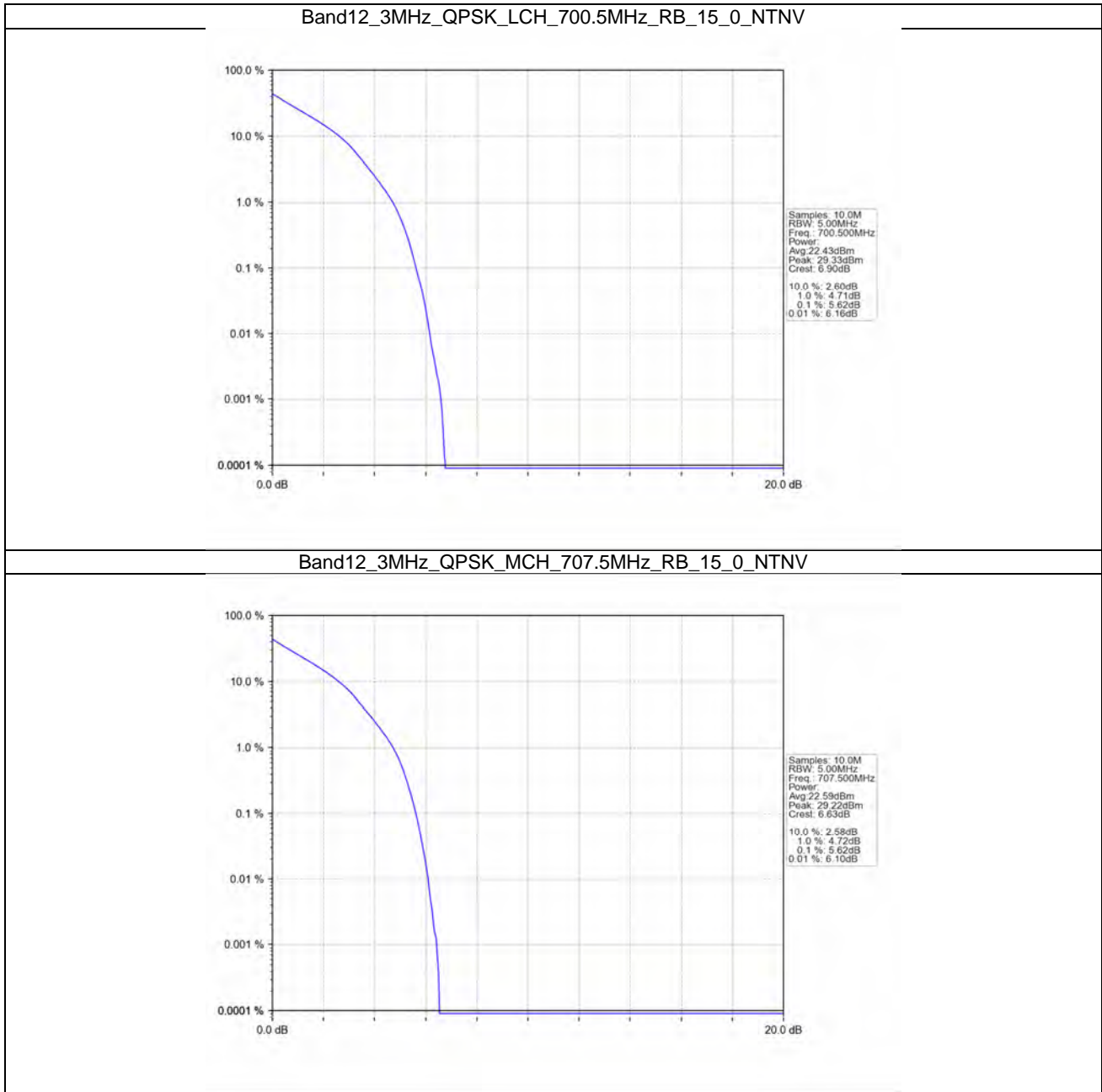
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5.2.2 Test Graph



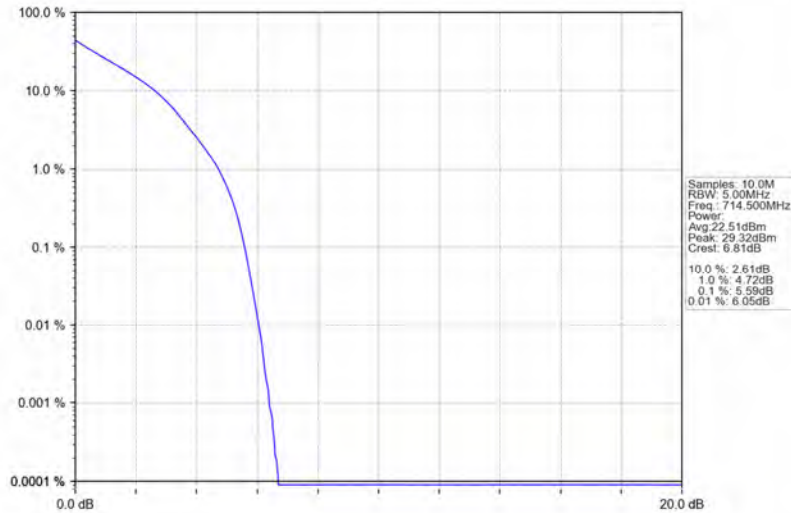
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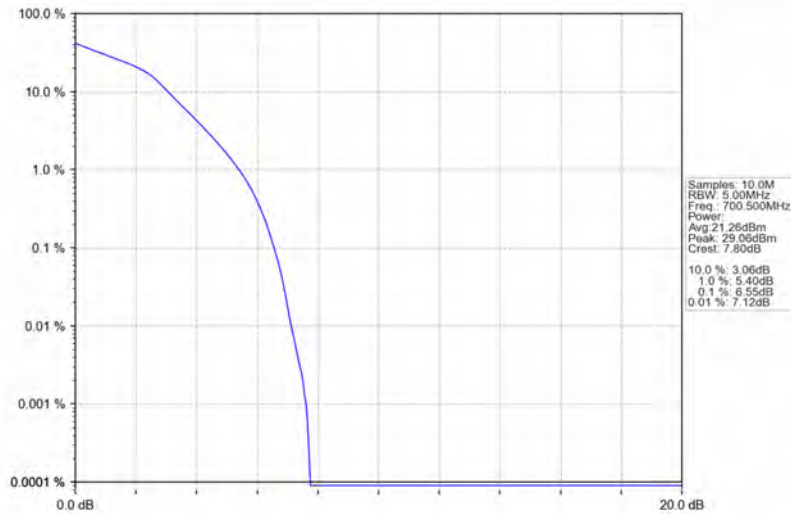
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Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



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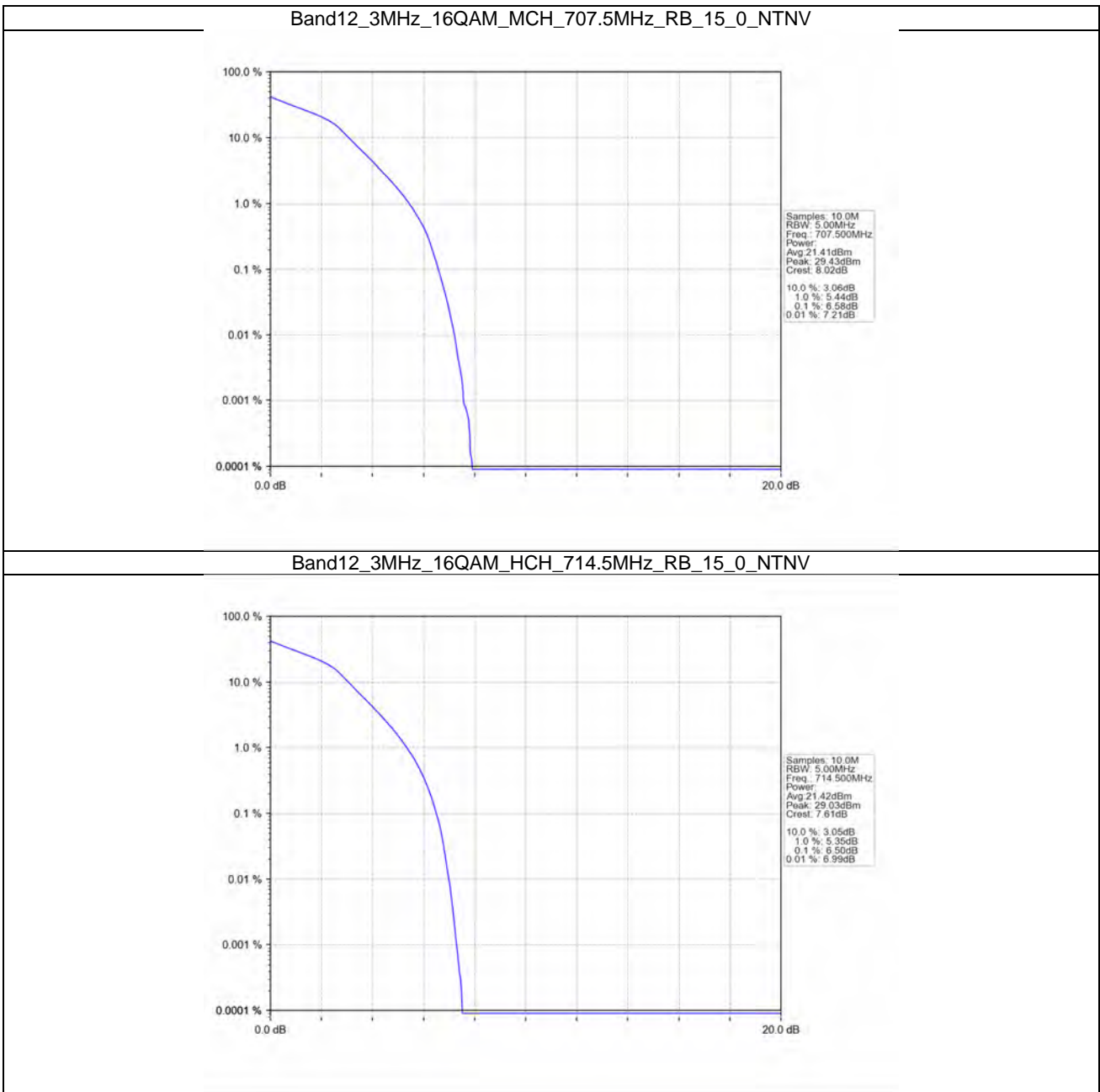
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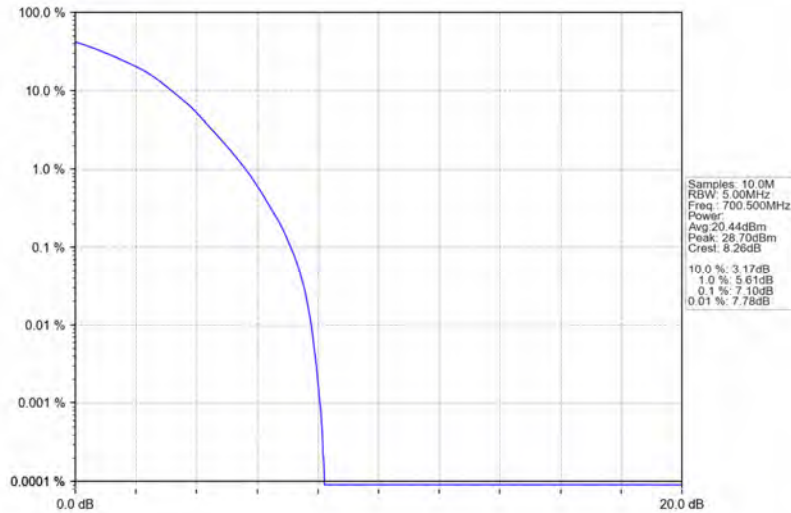
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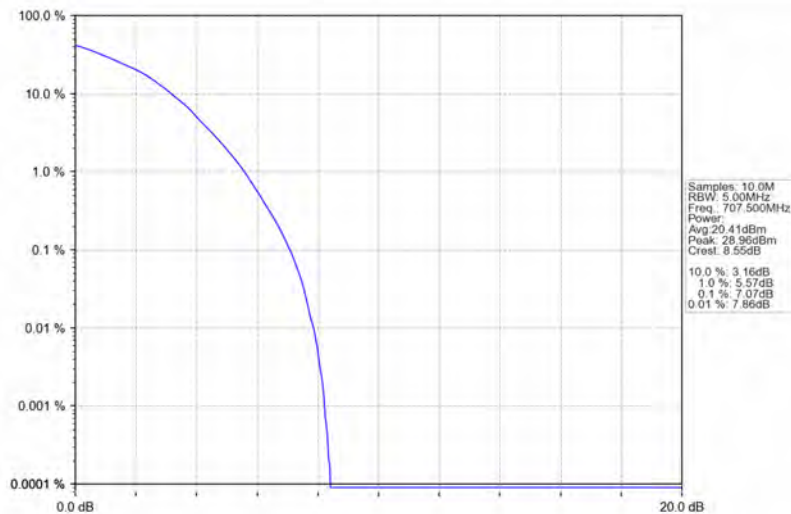
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Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_64QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



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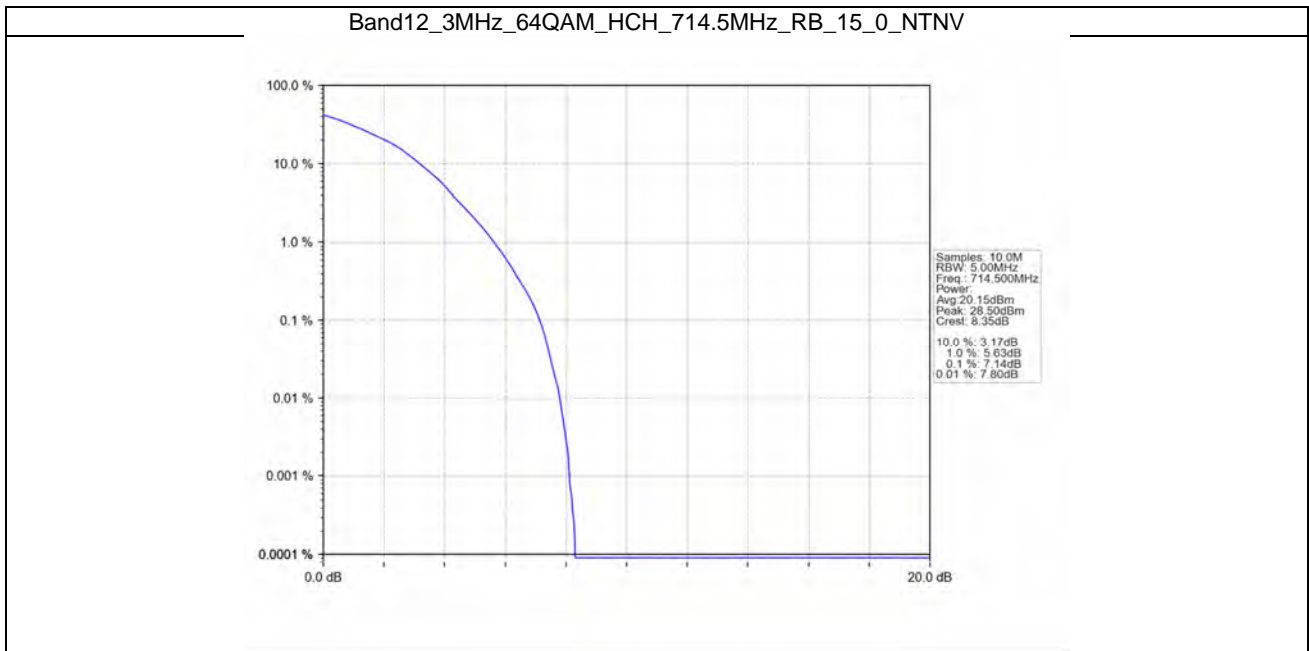
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5.3 B12\_5MHz

5.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.42	<=13	Pass
	707.5	25	0	5.46	<=13	Pass
	713.5	25	0	5.37	<=13	Pass
16QAM	701.5	25	0	6.34	<=13	Pass
	707.5	25	0	6.35	<=13	Pass
	713.5	25	0	6.27	<=13	Pass
64QAM	701.5	25	0	6.89	<=13	Pass
	707.5	25	0	6.89	<=13	Pass
	713.5	25	0	6.84	<=13	Pass



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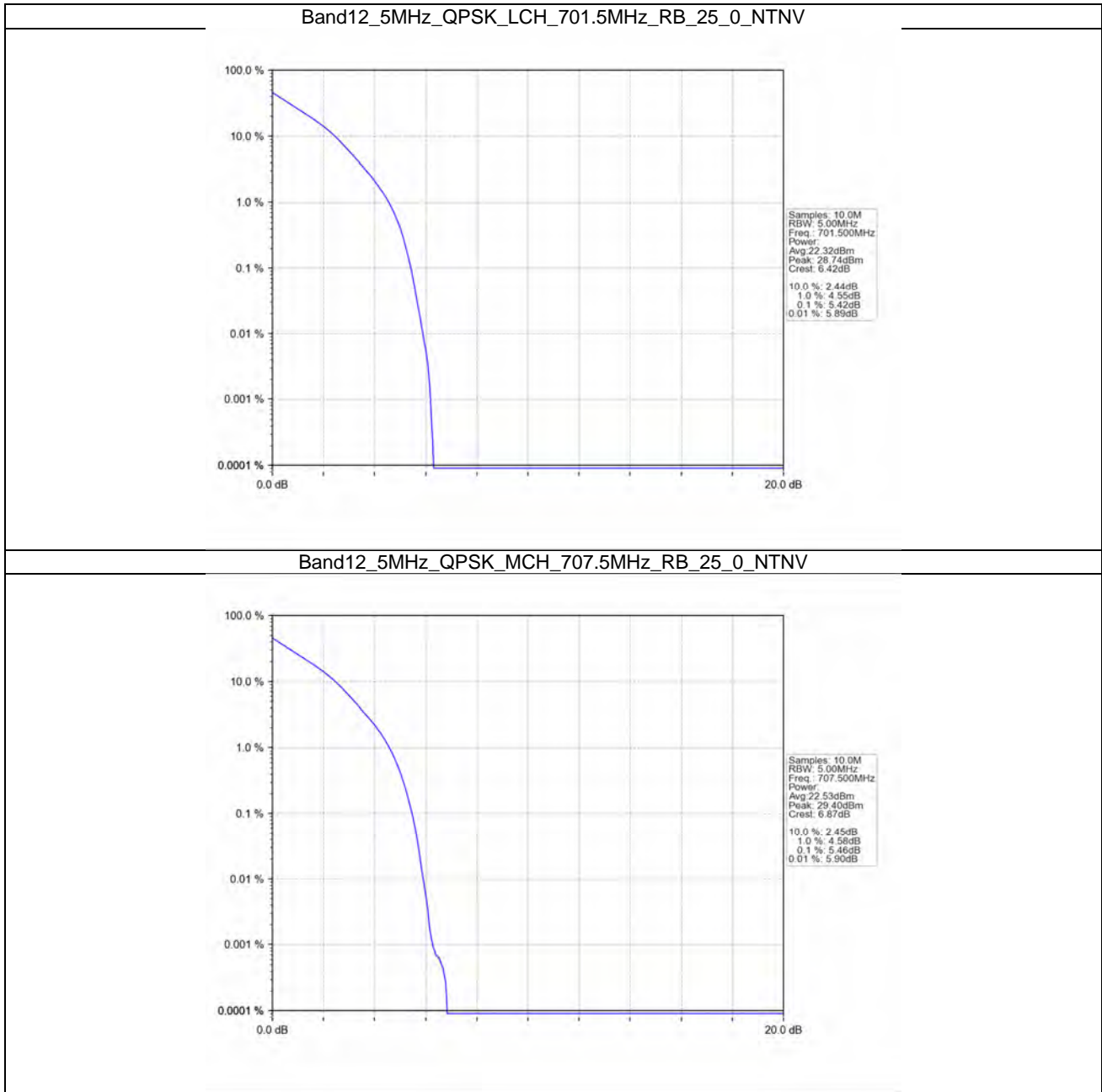
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5.3.2 Test Graph



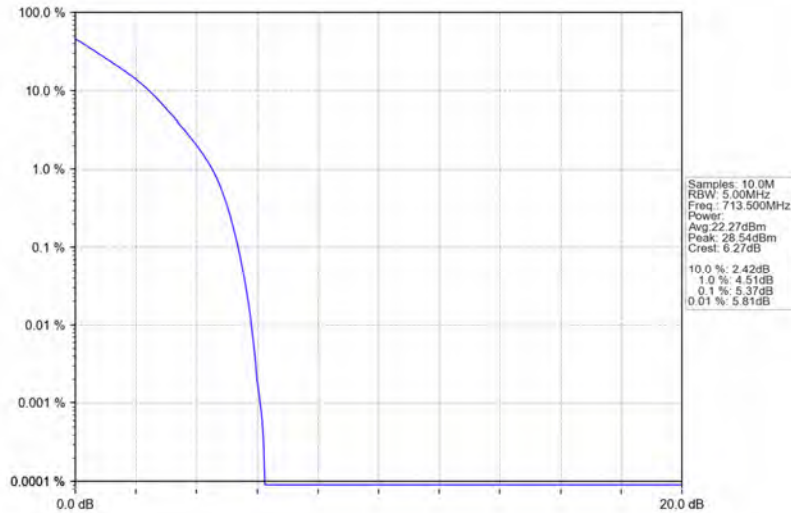
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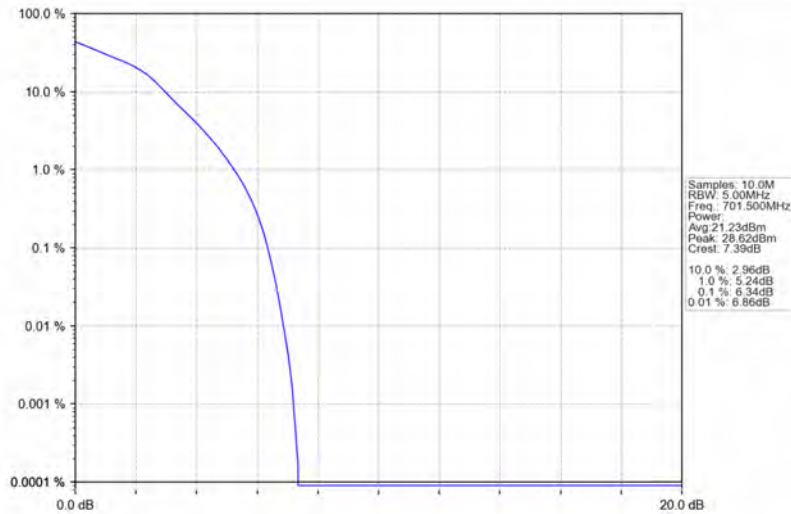
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Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

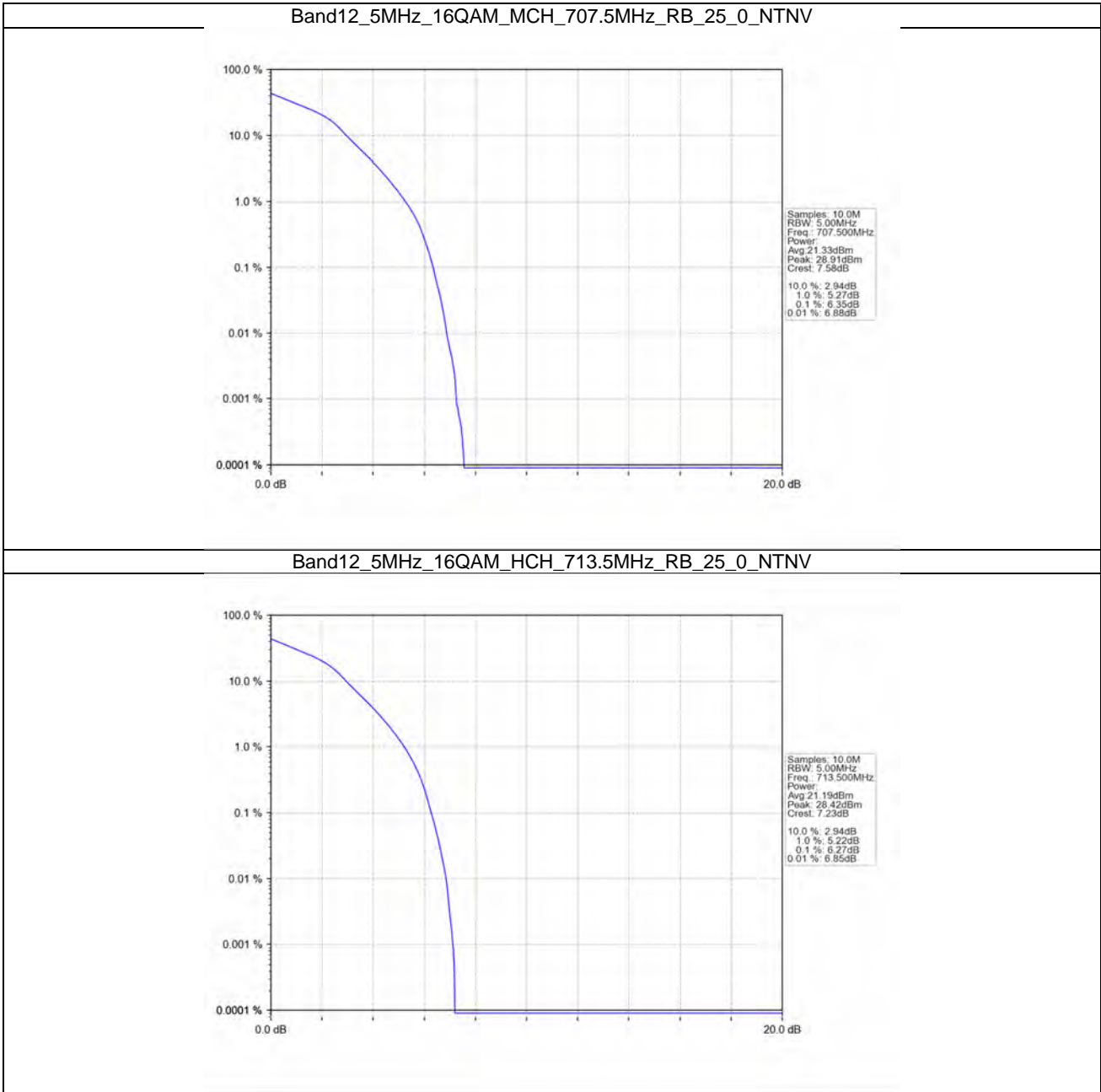


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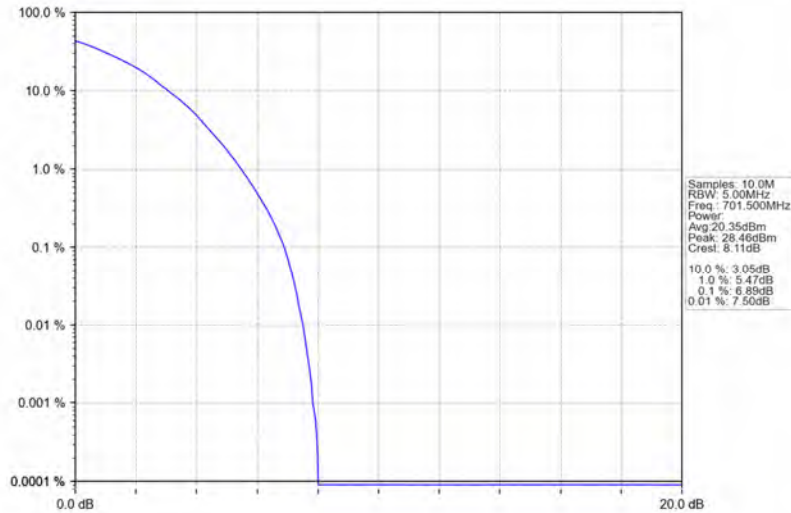
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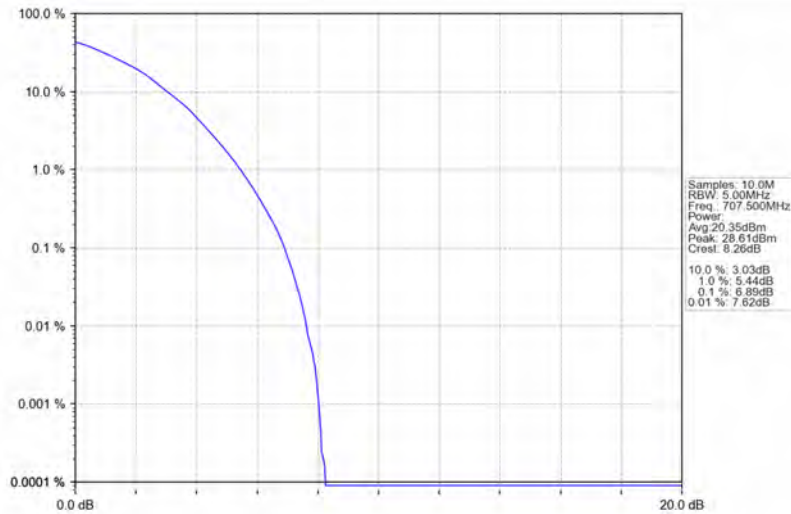
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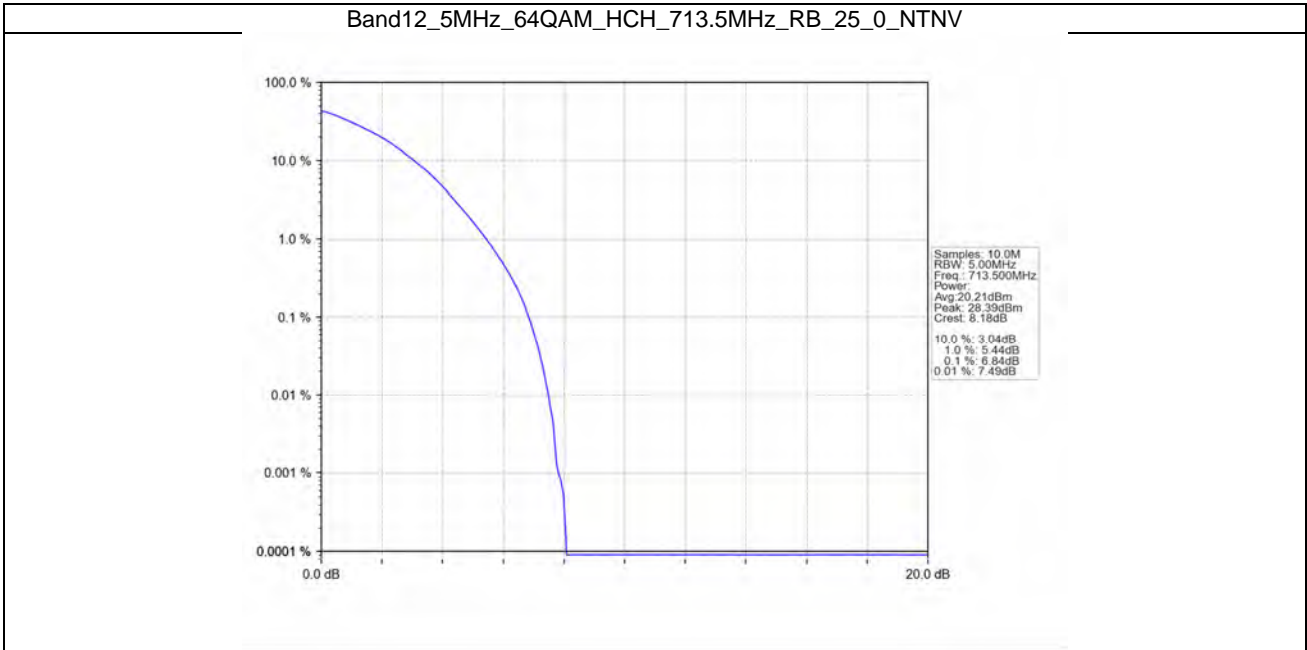
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5.4 B12\_10MHz

5.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.97	<=13	Pass
	707.5	50	0	6.00	<=13	Pass
	711	50	0	6.12	<=13	Pass
16QAM	704	50	0	6.97	<=13	Pass
	707.5	50	0	6.86	<=13	Pass
	711	50	0	6.93	<=13	Pass
64QAM	704	50	0	7.21	<=13	Pass
	707.5	50	0	7.18	<=13	Pass
	711	50	0	7.11	<=13	Pass



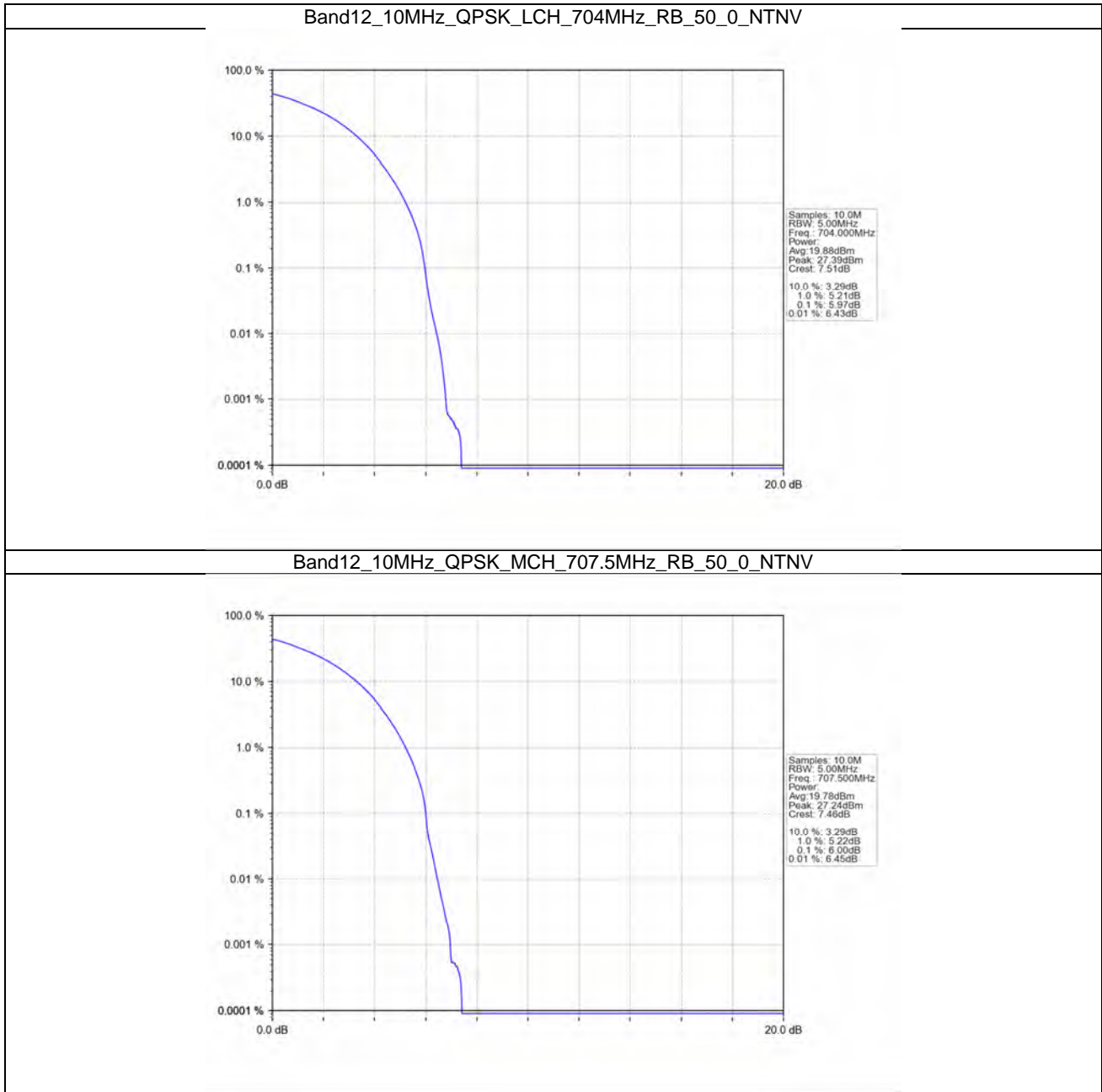
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5.4.2 Test Graph

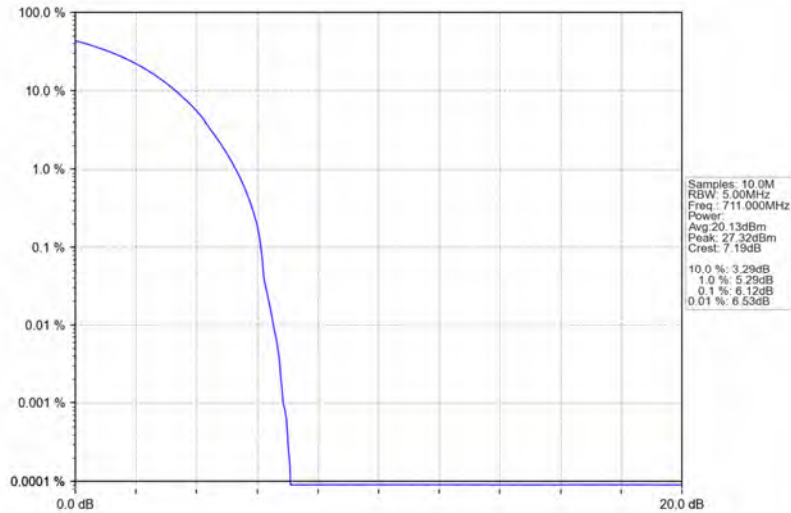


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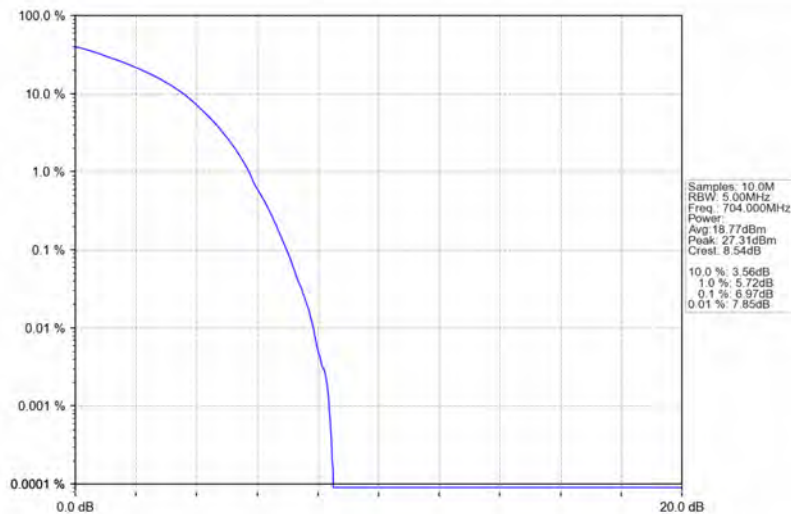
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Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV



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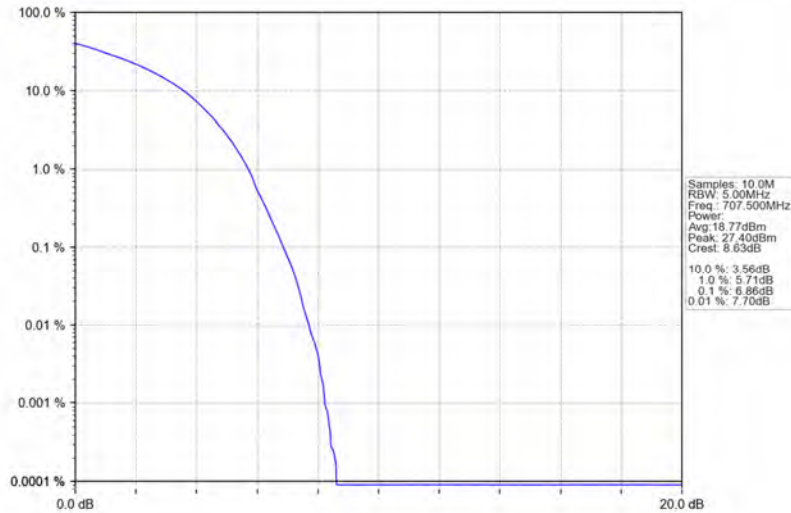
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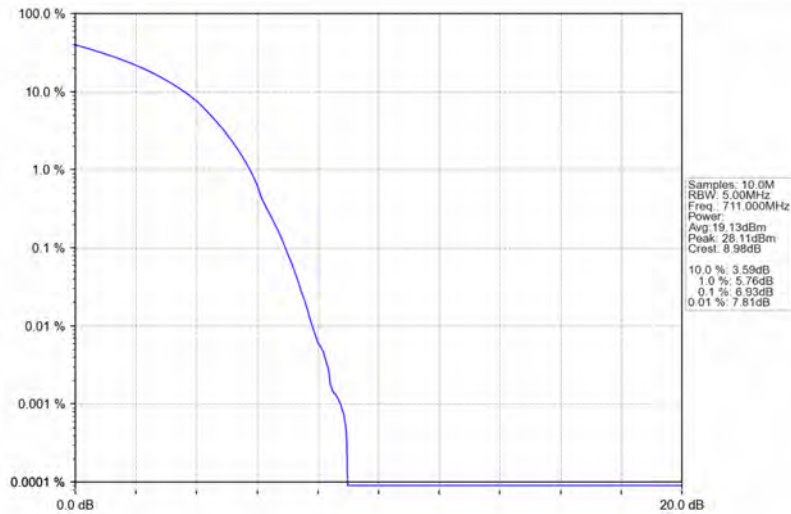
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Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



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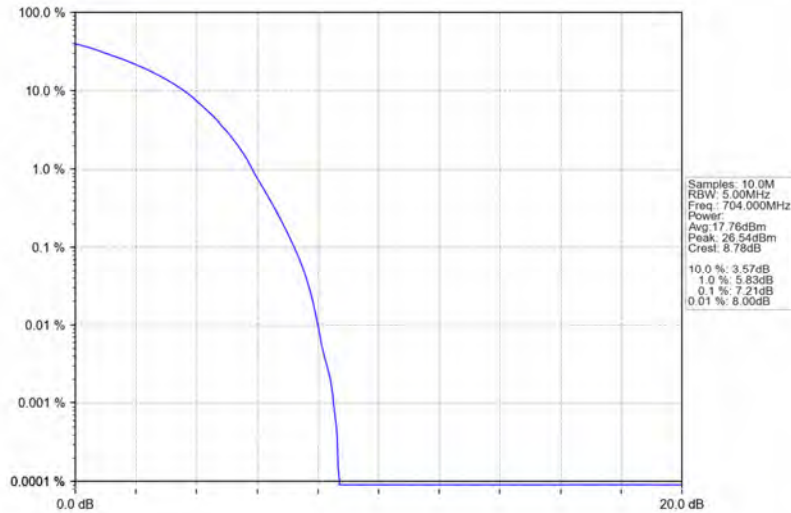
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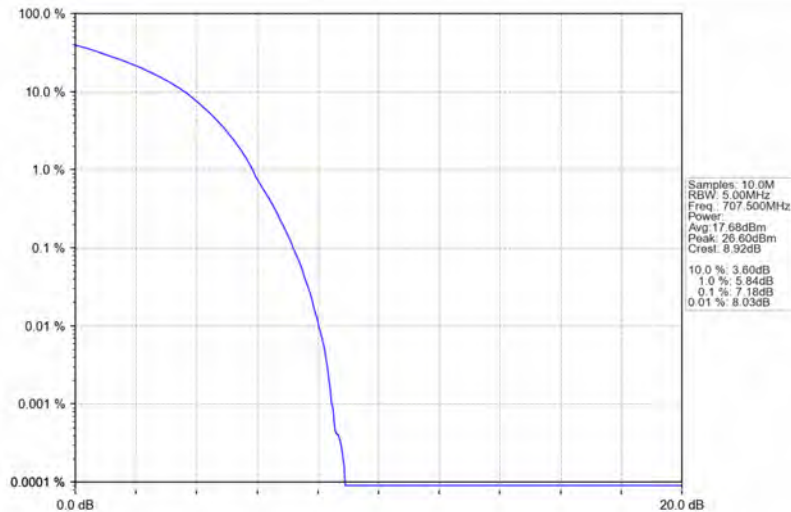
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Band12\_10MHz\_64QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_64QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



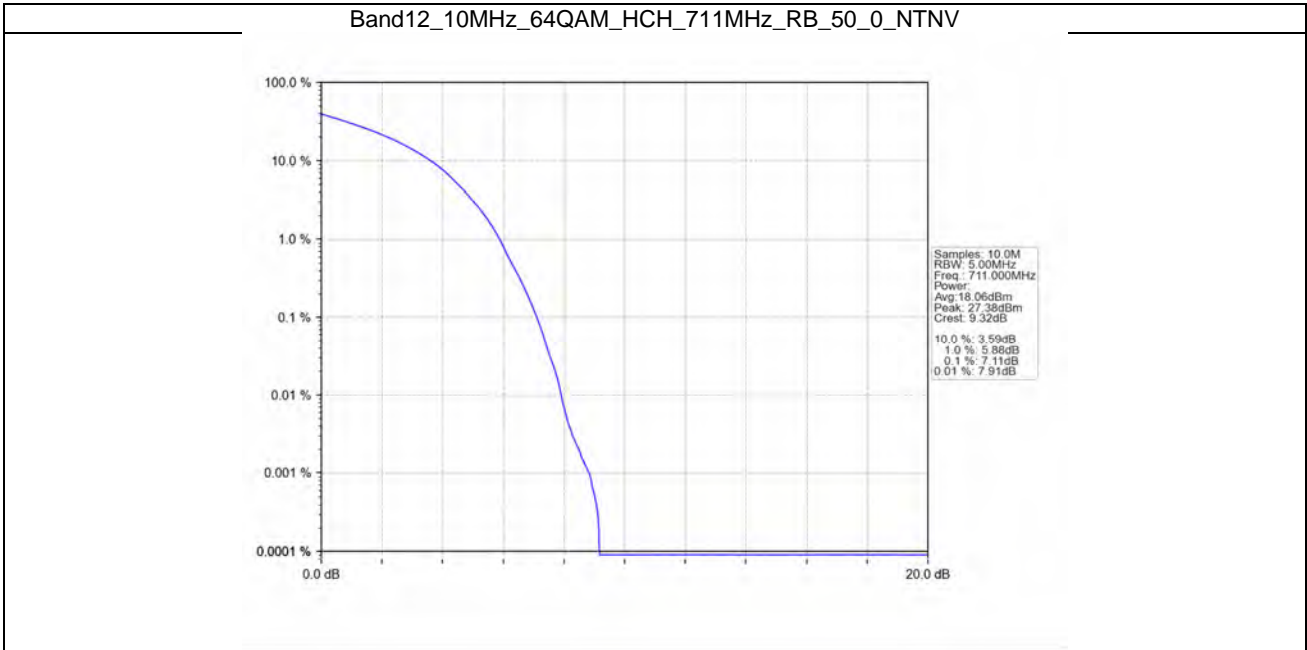
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## 6. Spurious Emission

### 6.1 B12\_1.4MHz

#### 6.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		715.3	1	0	Refer To Test Graph	
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		715.3	1	0	Refer To Test Graph	
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
64QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		715.3	1	0	Refer To Test Graph	
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



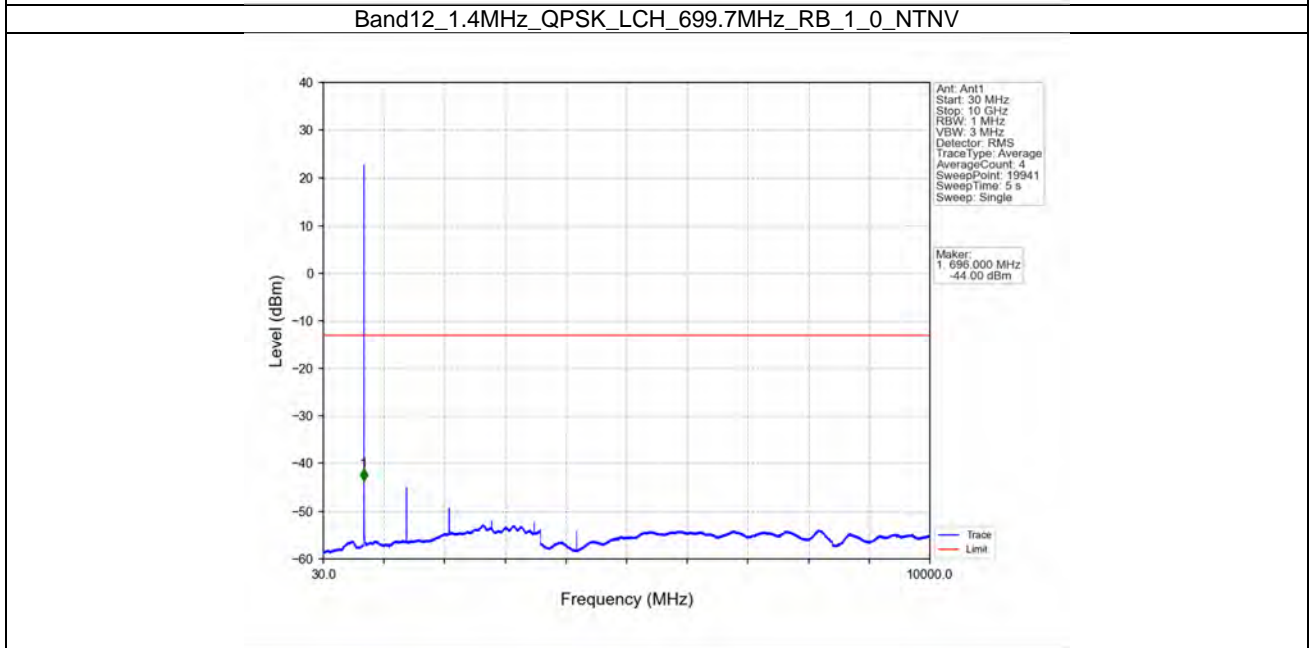
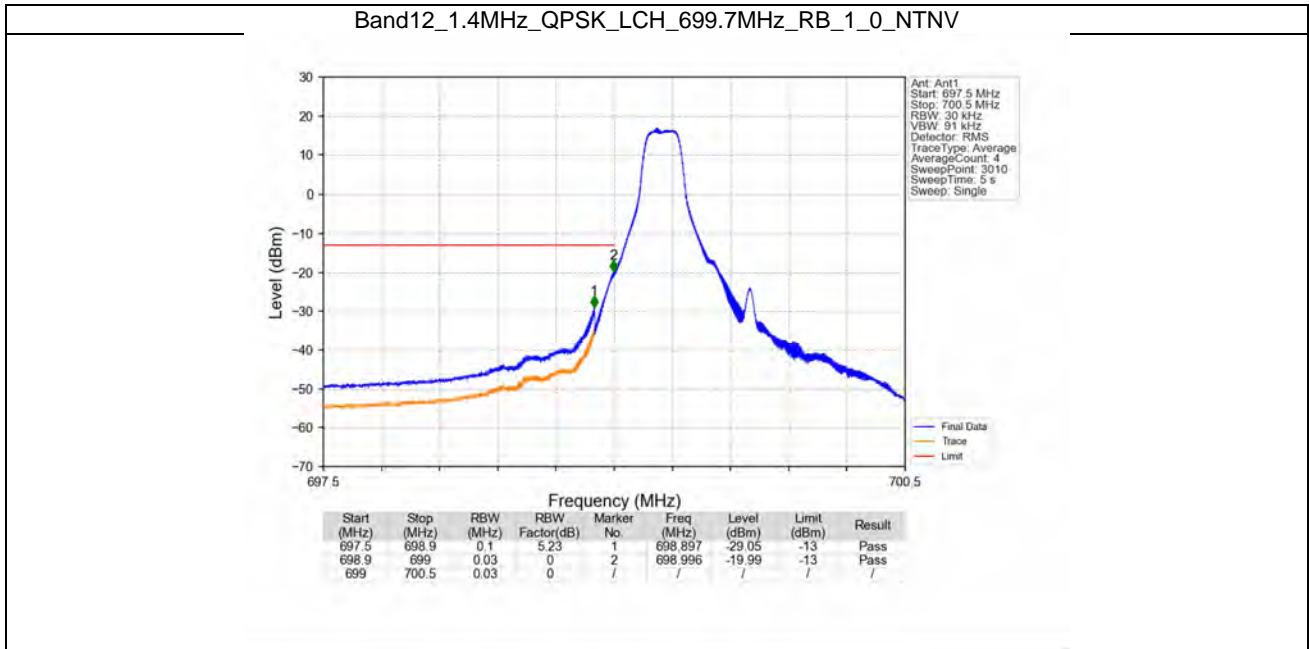
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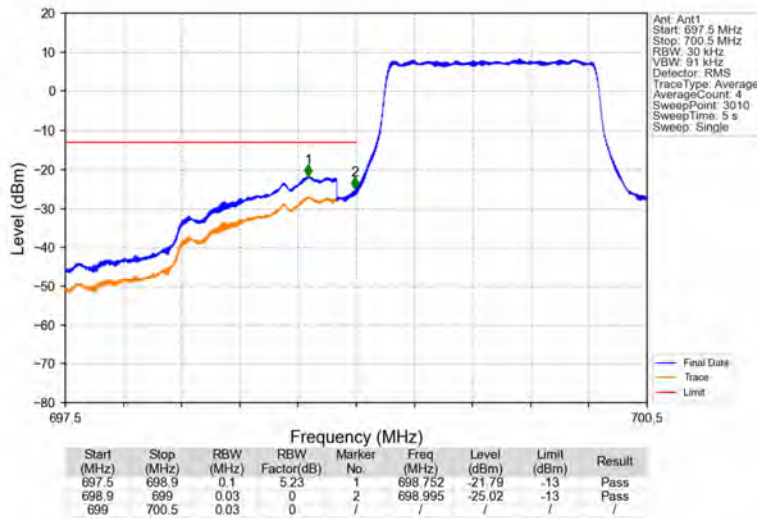
6.1.2 Test Graph



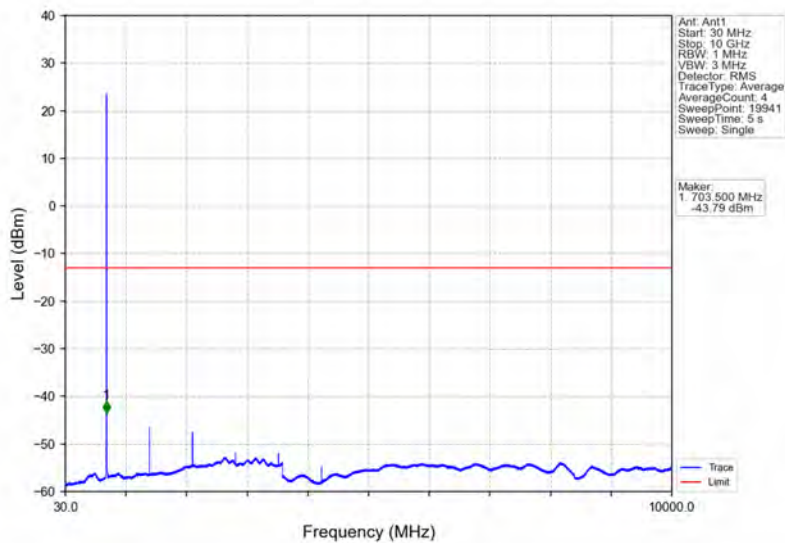
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Band12\_1.4MHz\_QPSK\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



Band12\_1.4MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



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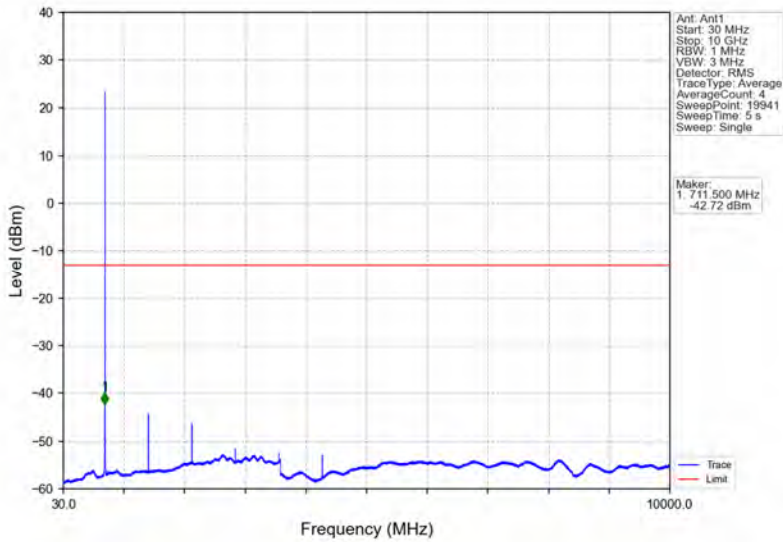
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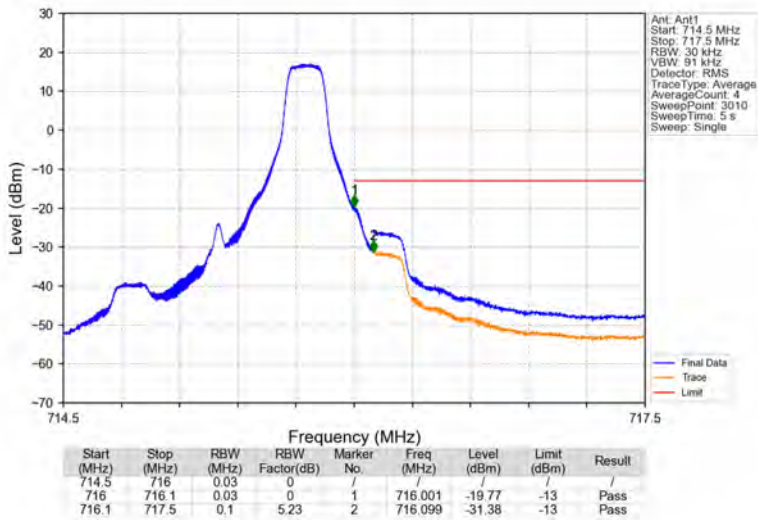
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Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_1\_0\_NTNV



Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_1\_5\_NTNV



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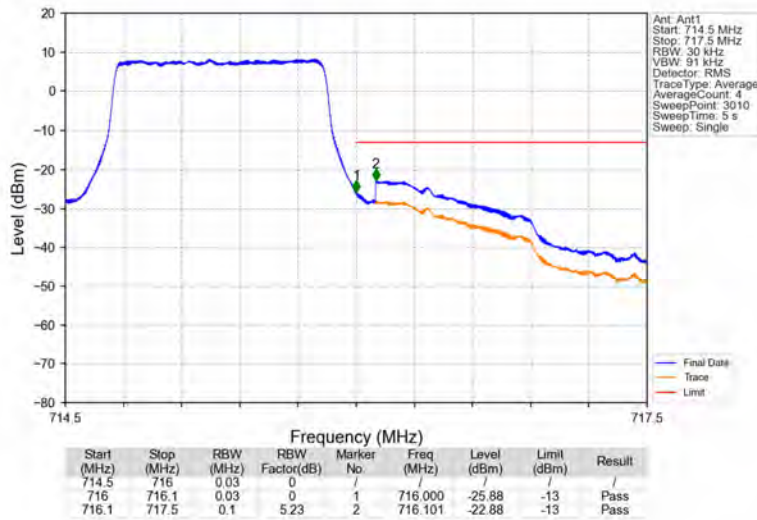
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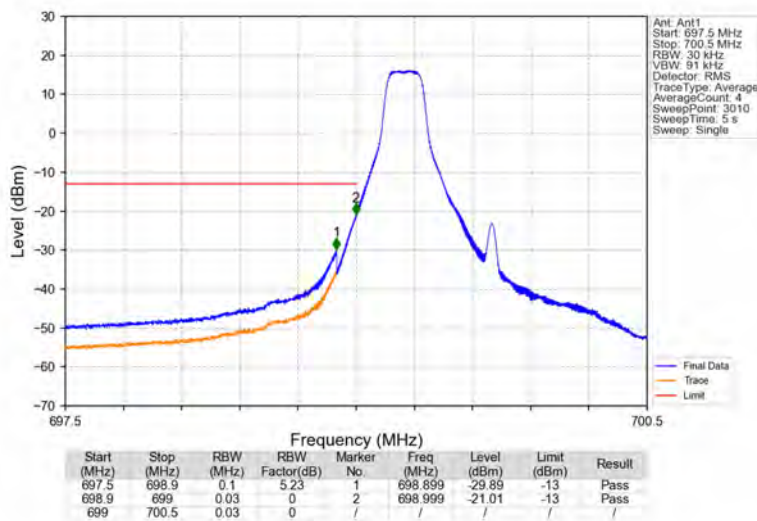
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Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_1\_0\_NTNV

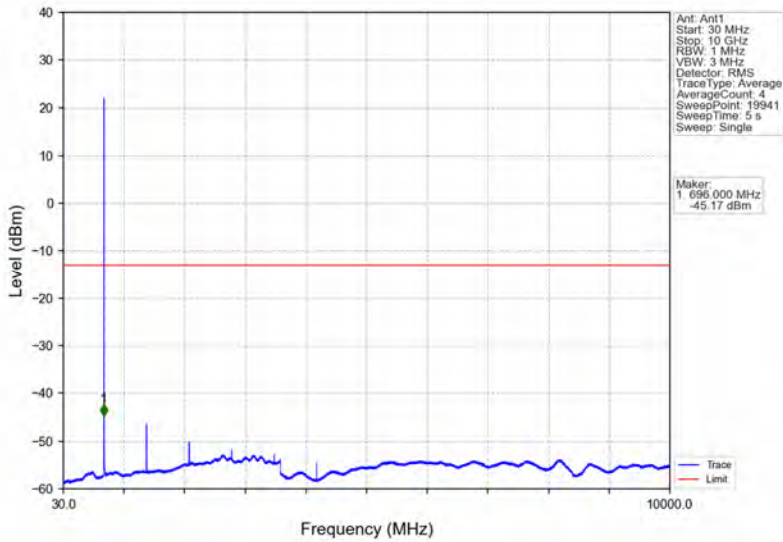


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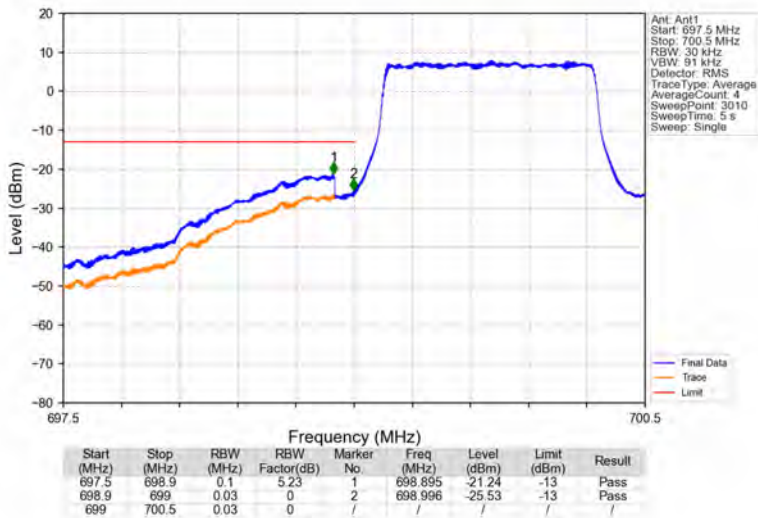
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Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



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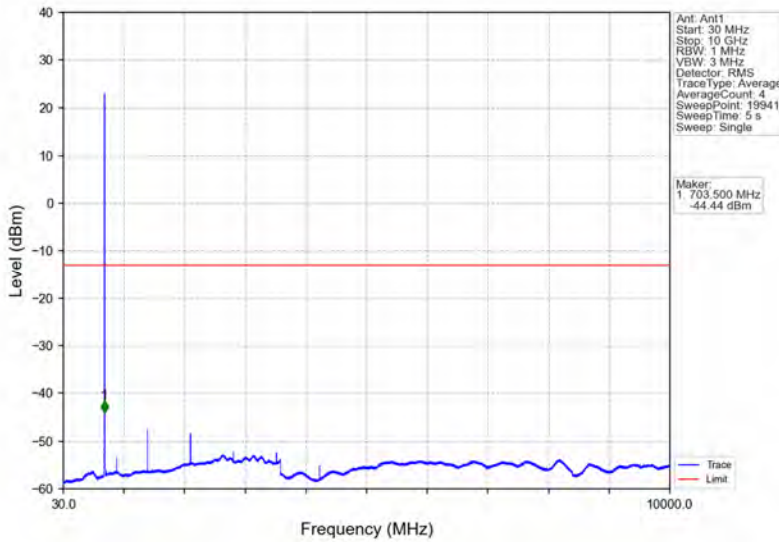
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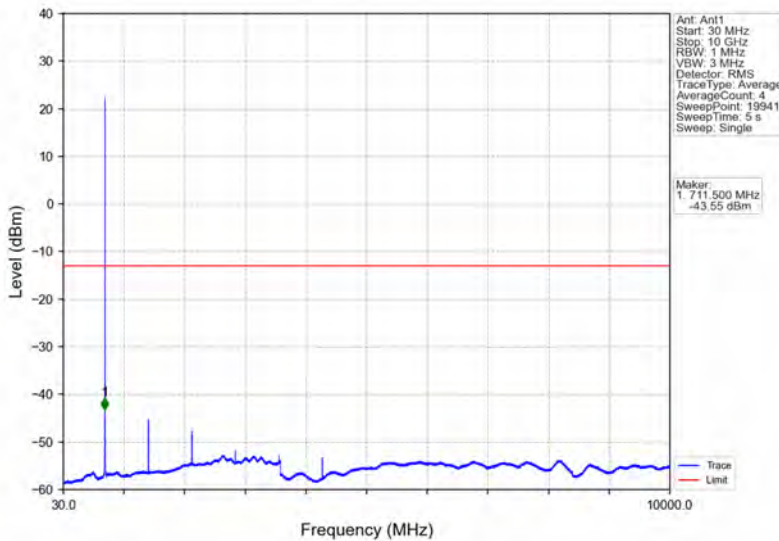
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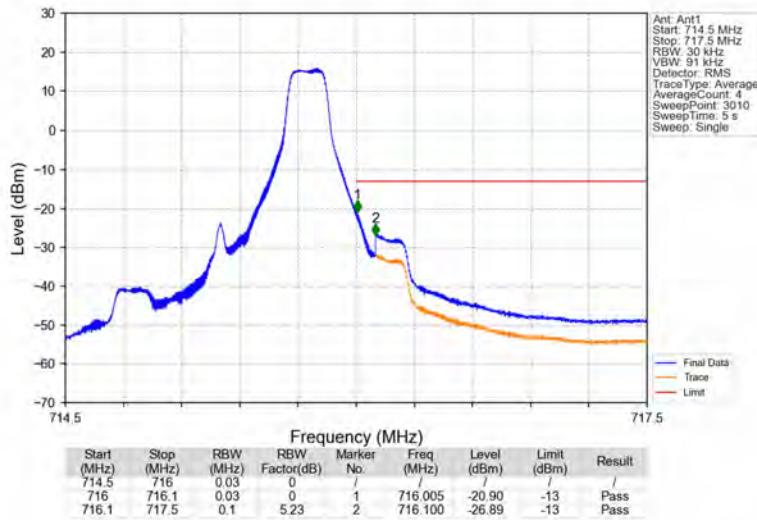
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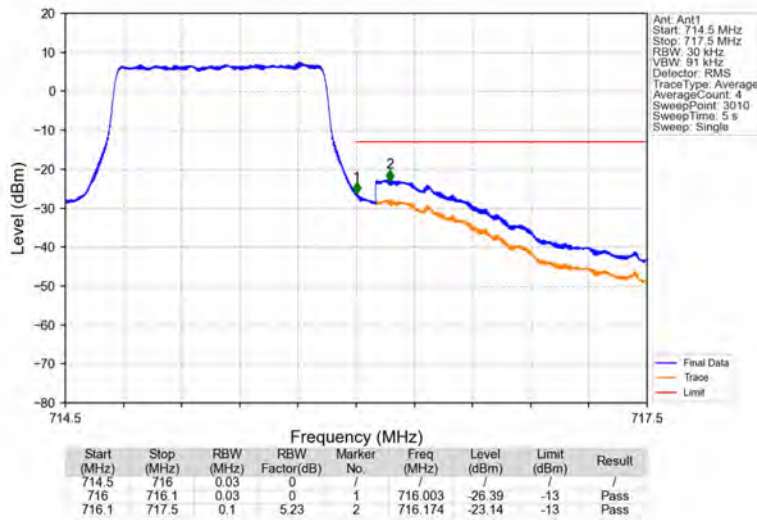


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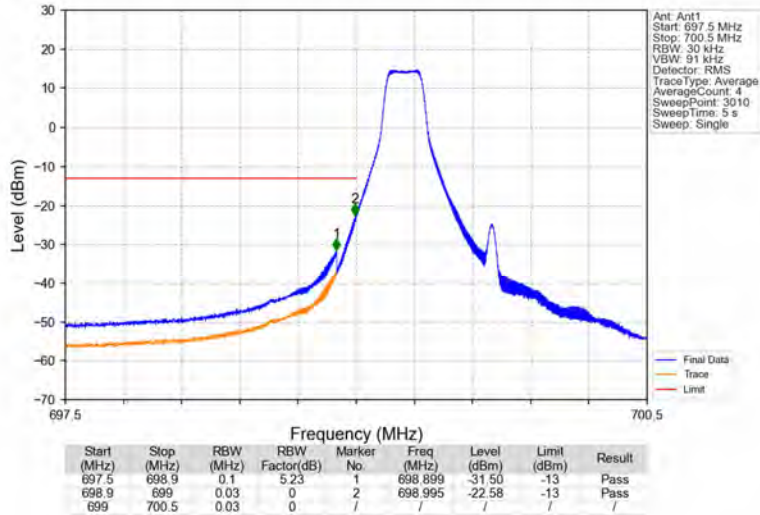
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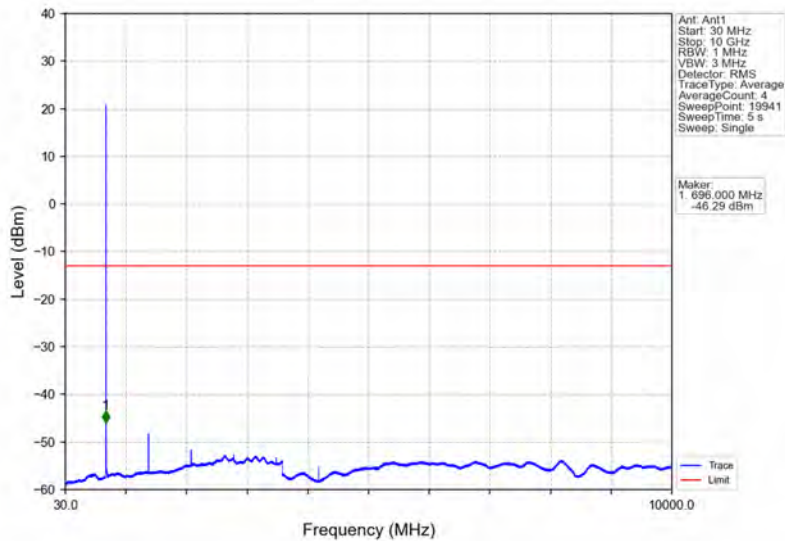
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Band12\_1.4MHz\_64QAM\_LCH\_699.7MHz\_RB\_1\_0\_NTNV



Band12\_1.4MHz\_64QAM\_LCH\_699.7MHz\_RB\_1\_0\_NTNV



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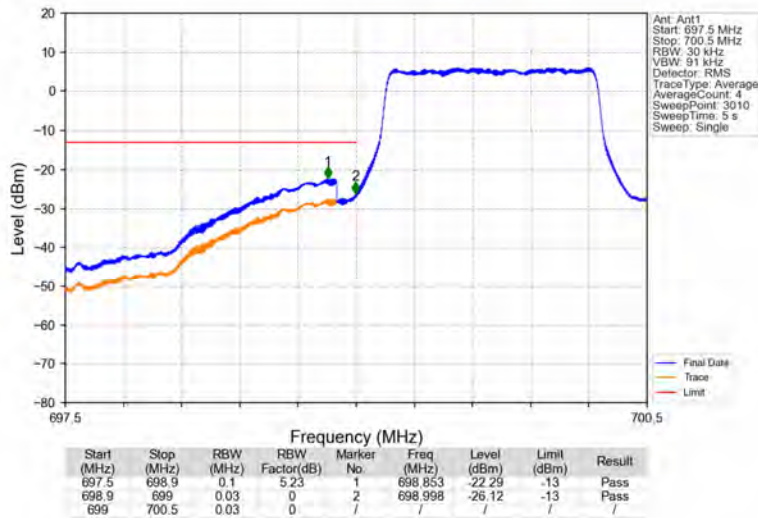
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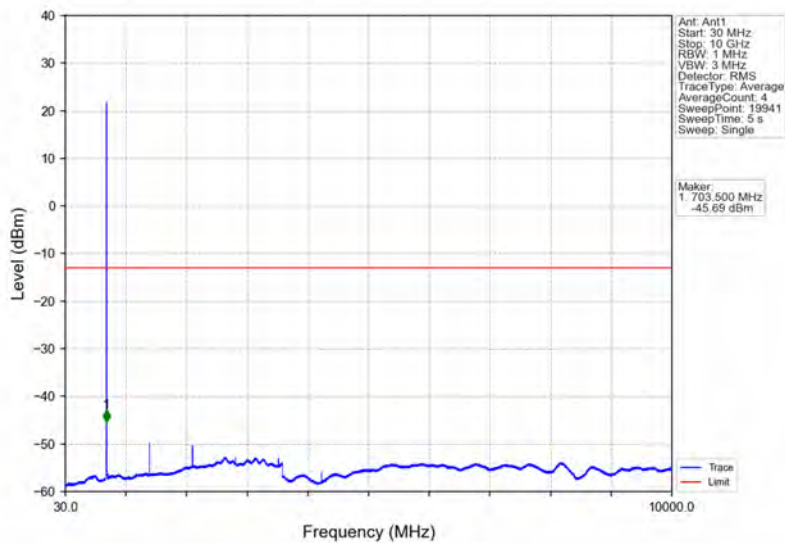
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Band12\_1.4MHz\_64QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



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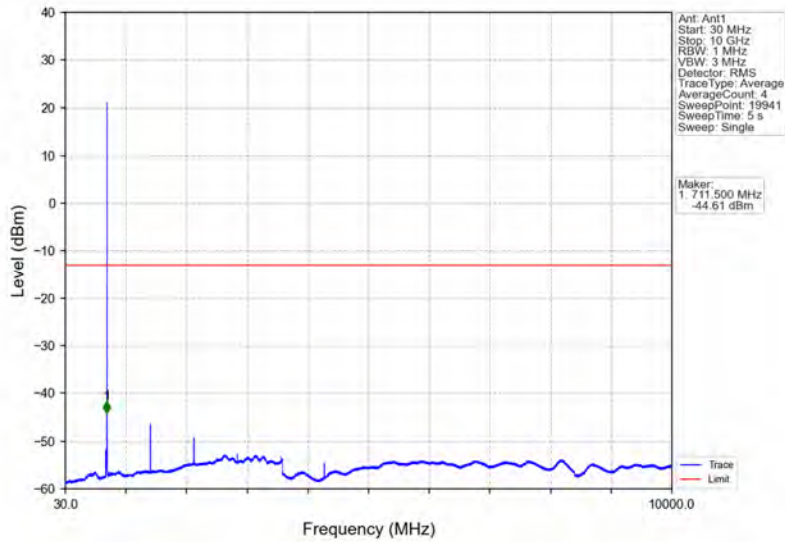
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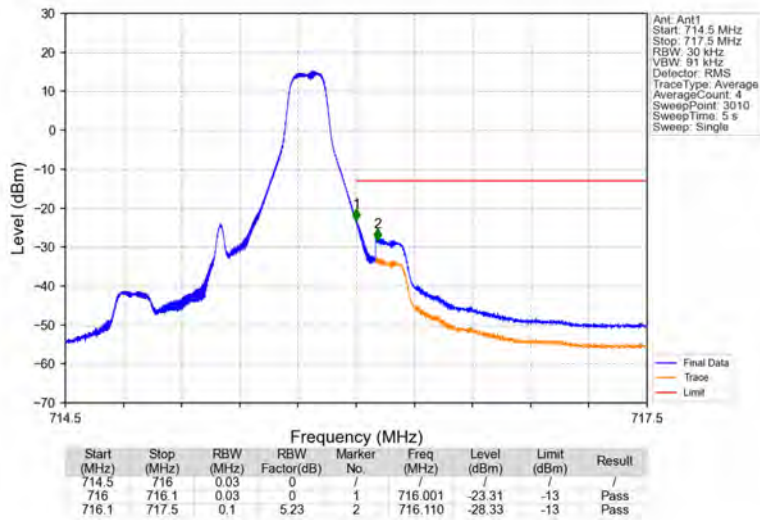
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Band12\_1.4MHz\_64QAM\_HCH\_715.3MHz\_RB\_1\_0\_NTNV



Band12\_1.4MHz\_64QAM\_HCH\_715.3MHz\_RB\_1\_5\_NTNV



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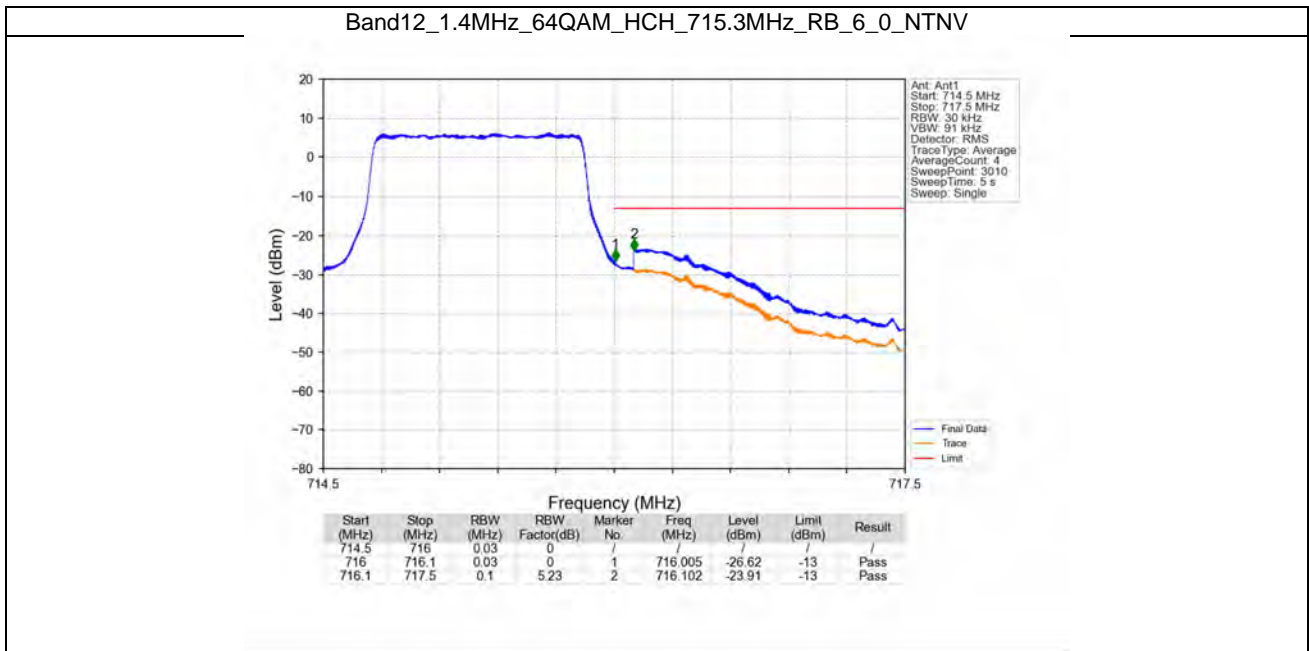
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6.2 B12\_3MHz

6.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
64QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

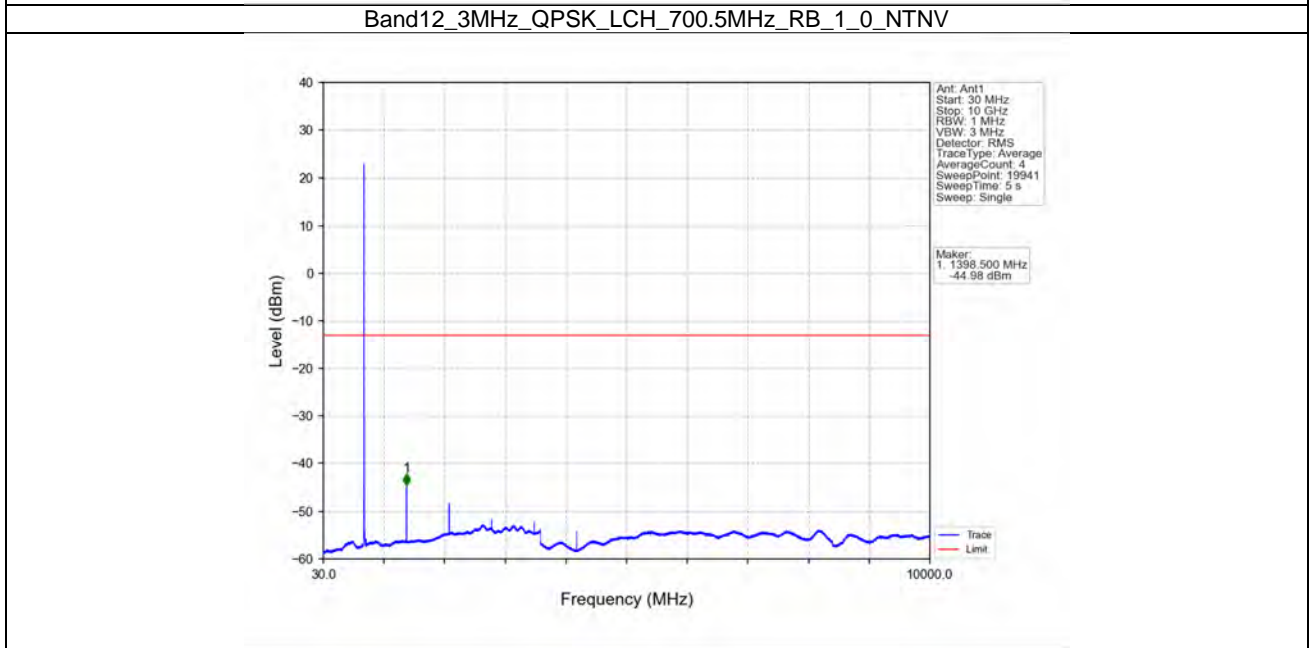
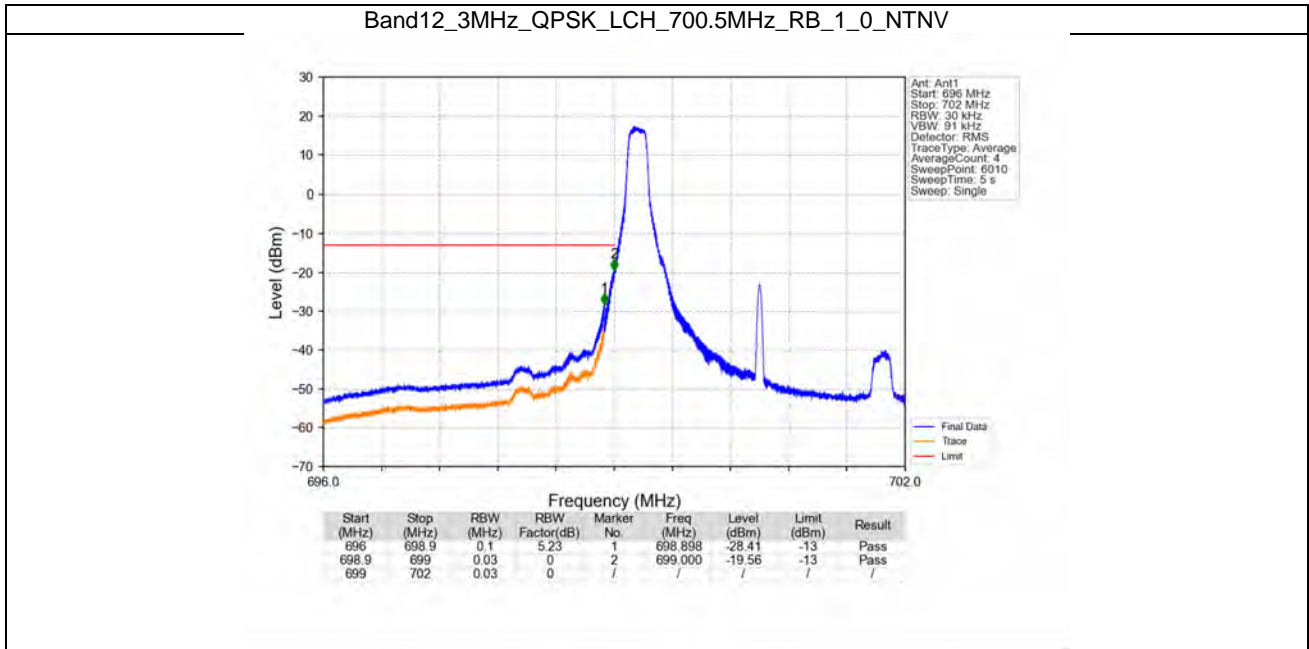


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6.2.2 Test Graph



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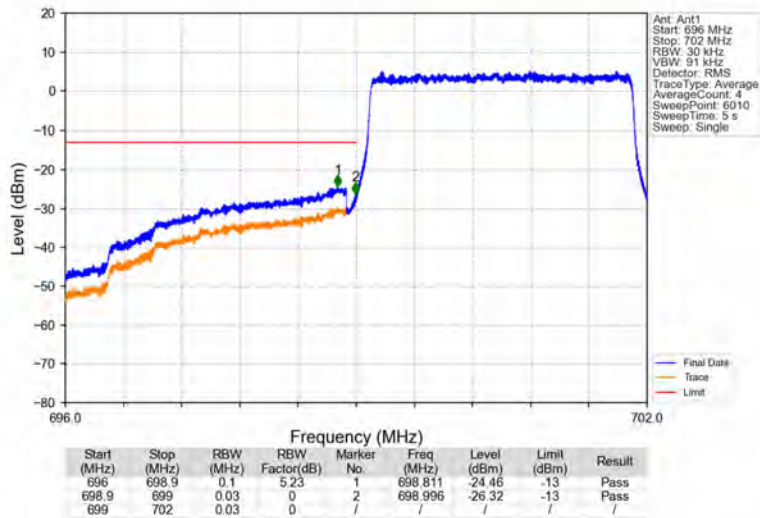
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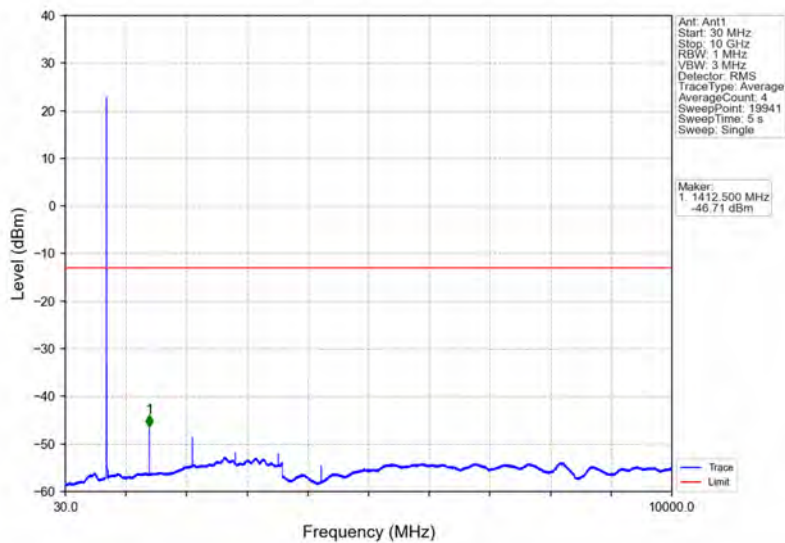
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Band12\_3MHz\_QPSK\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



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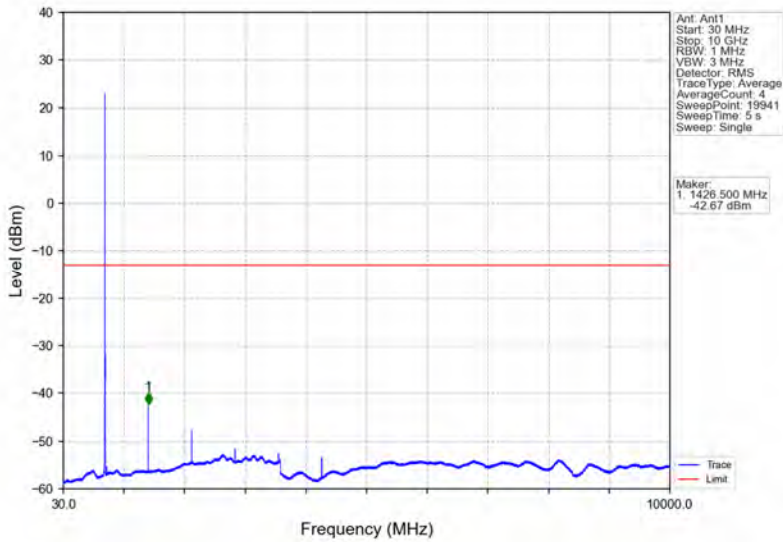
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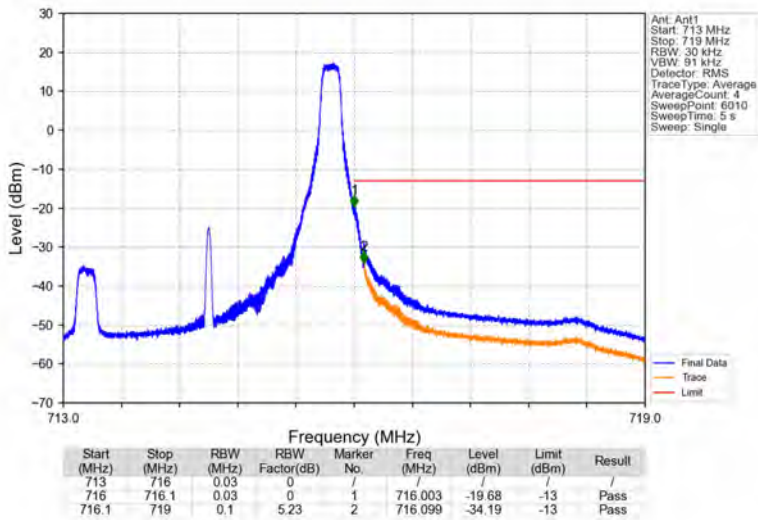
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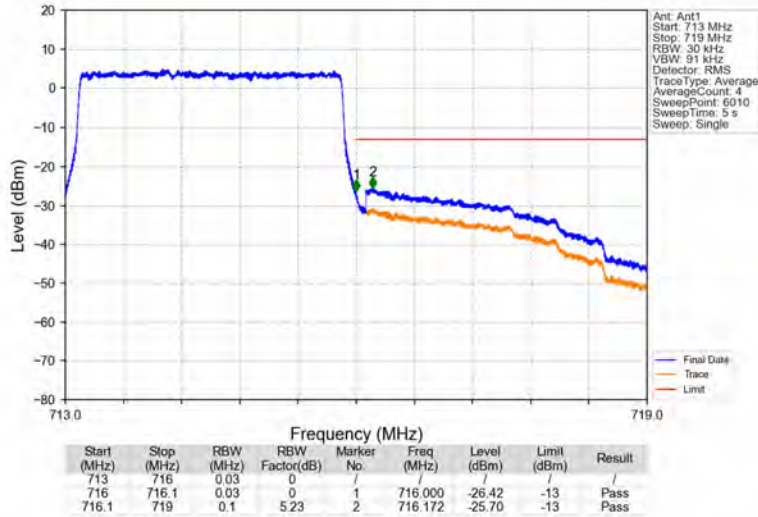
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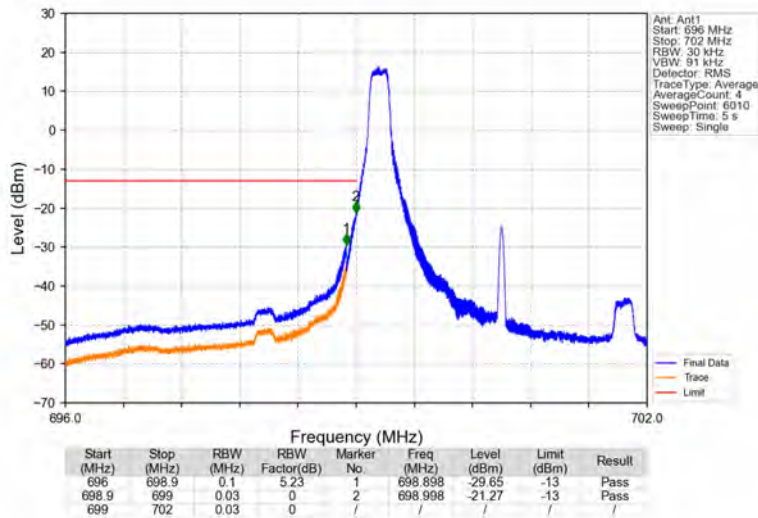




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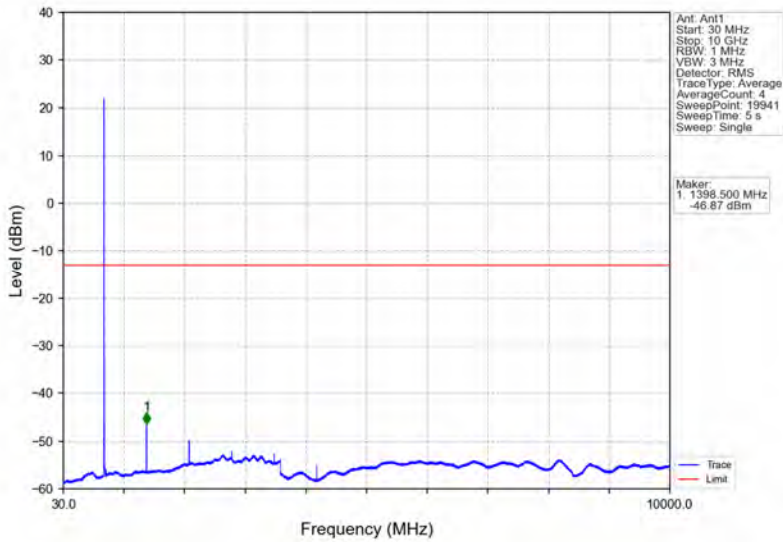
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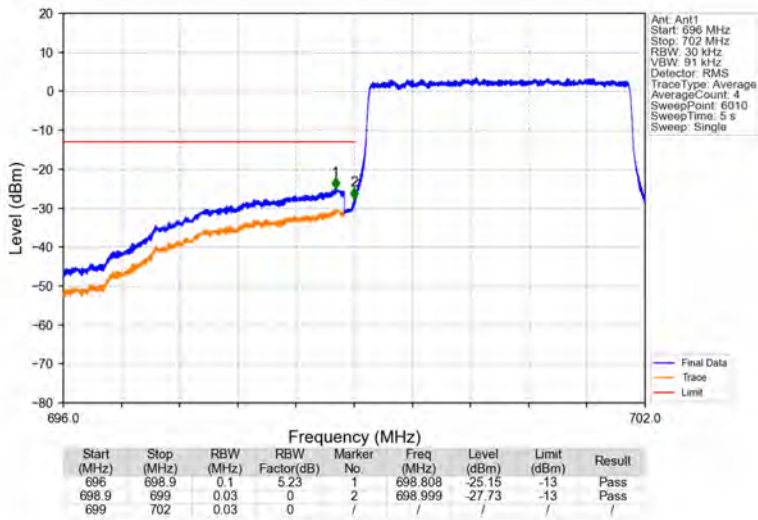
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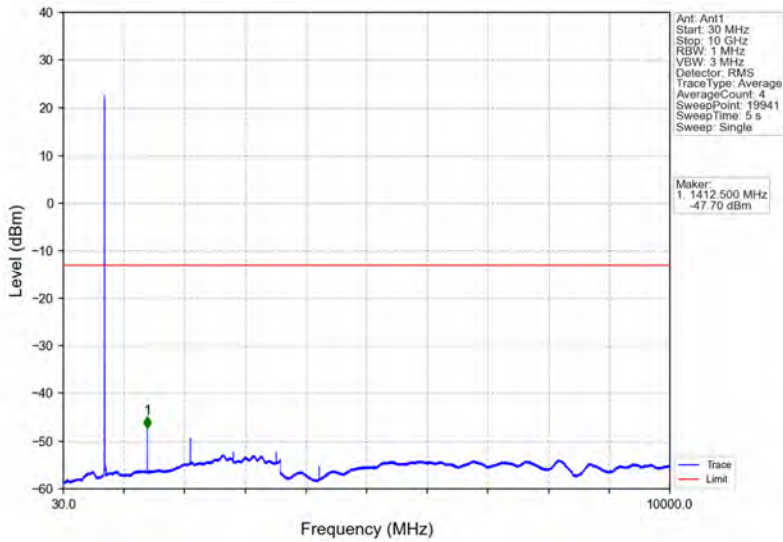
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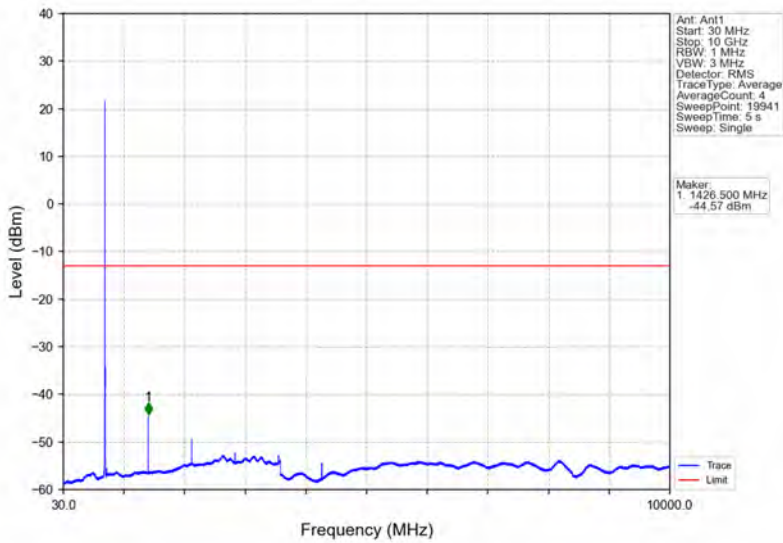
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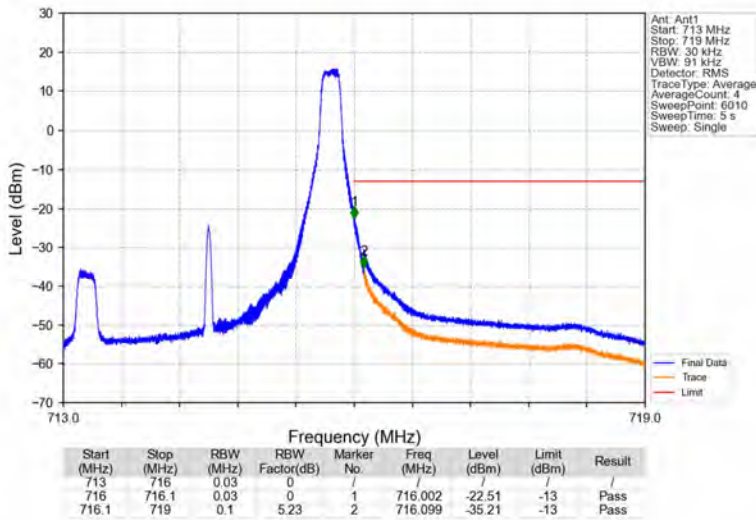
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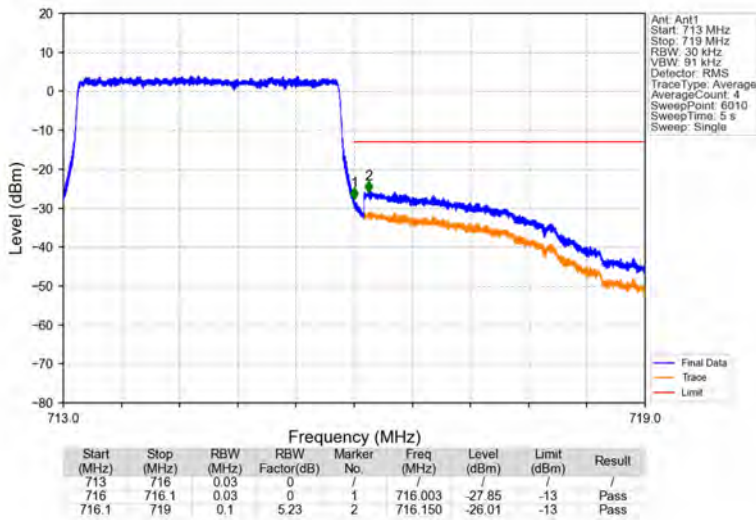


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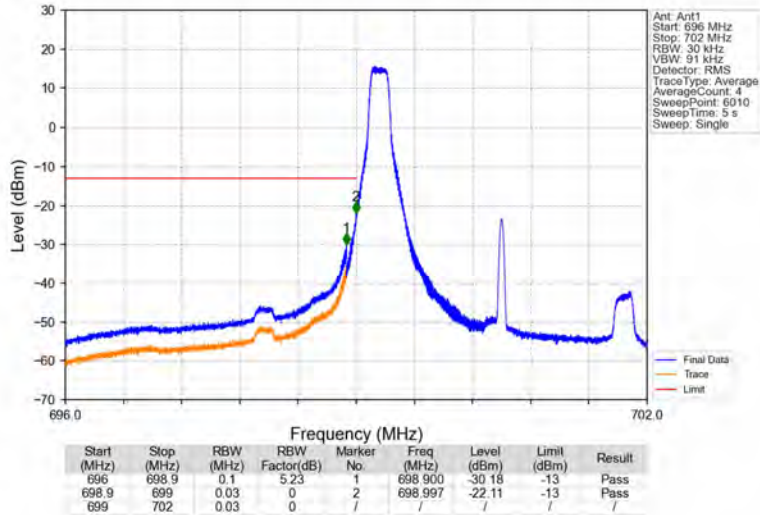
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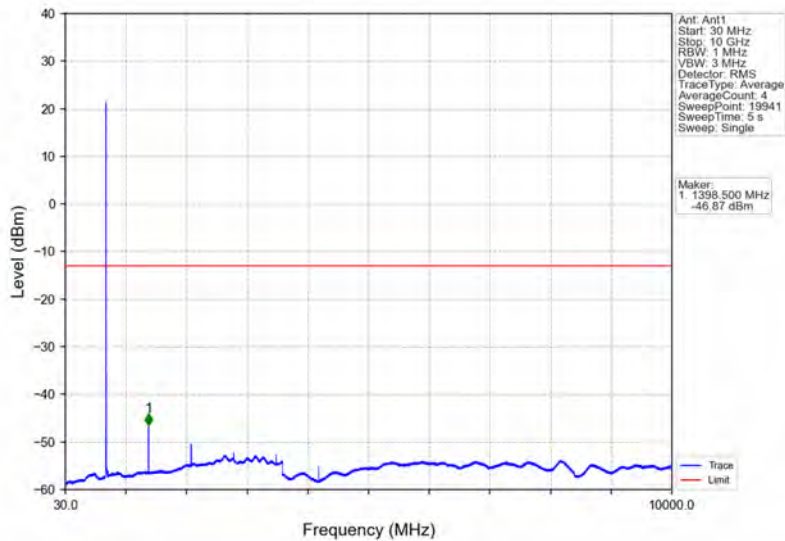
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Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_1\_0\_NTNV



Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_1\_0\_NTNV



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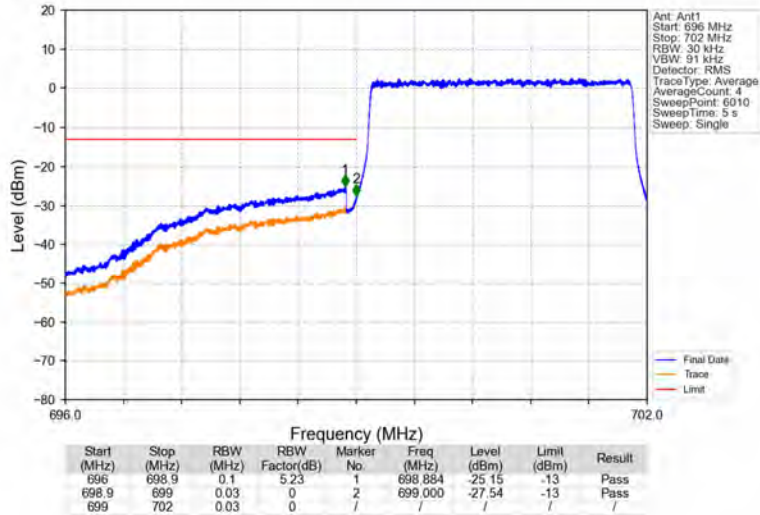
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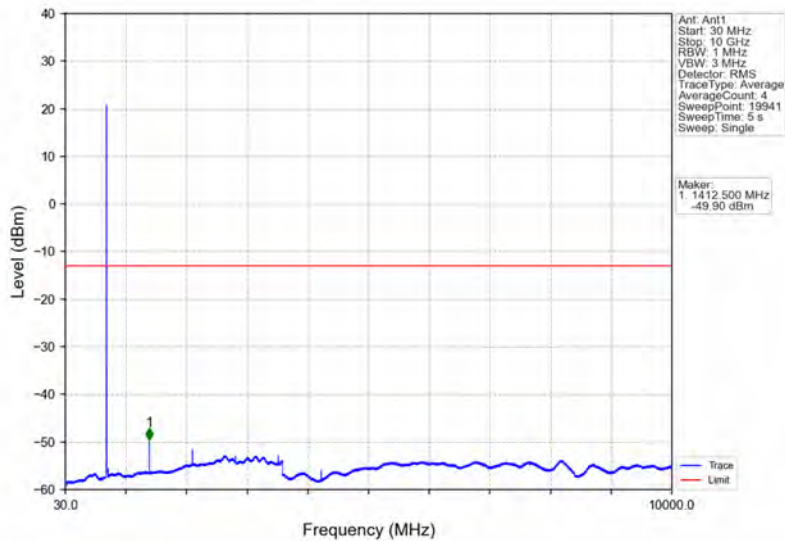
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Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_64QAM\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



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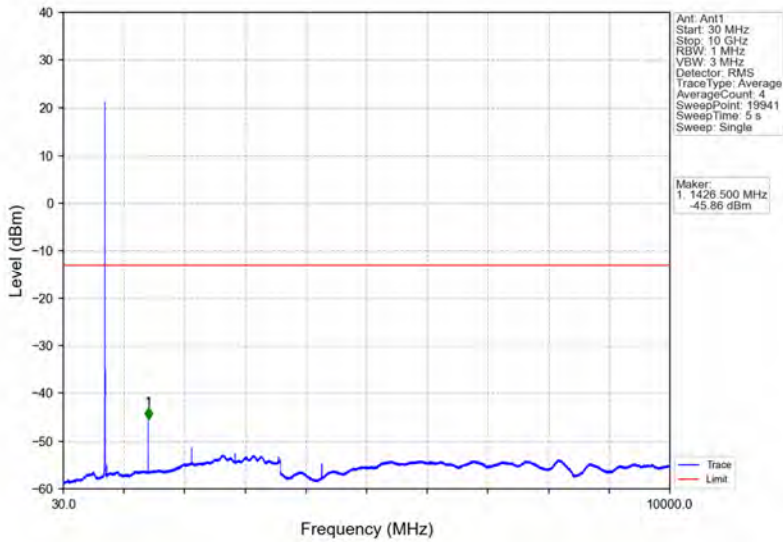
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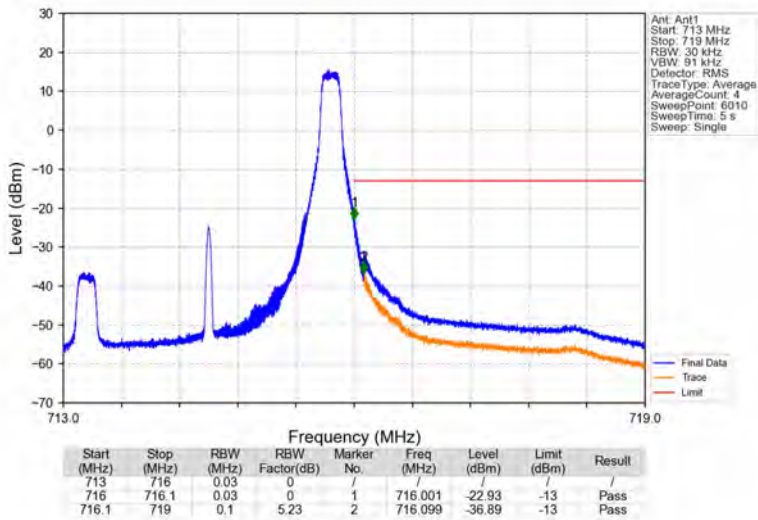
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Band12\_3MHz\_64QAM\_HCH\_714.5MHz\_RB\_1\_14\_NTNV



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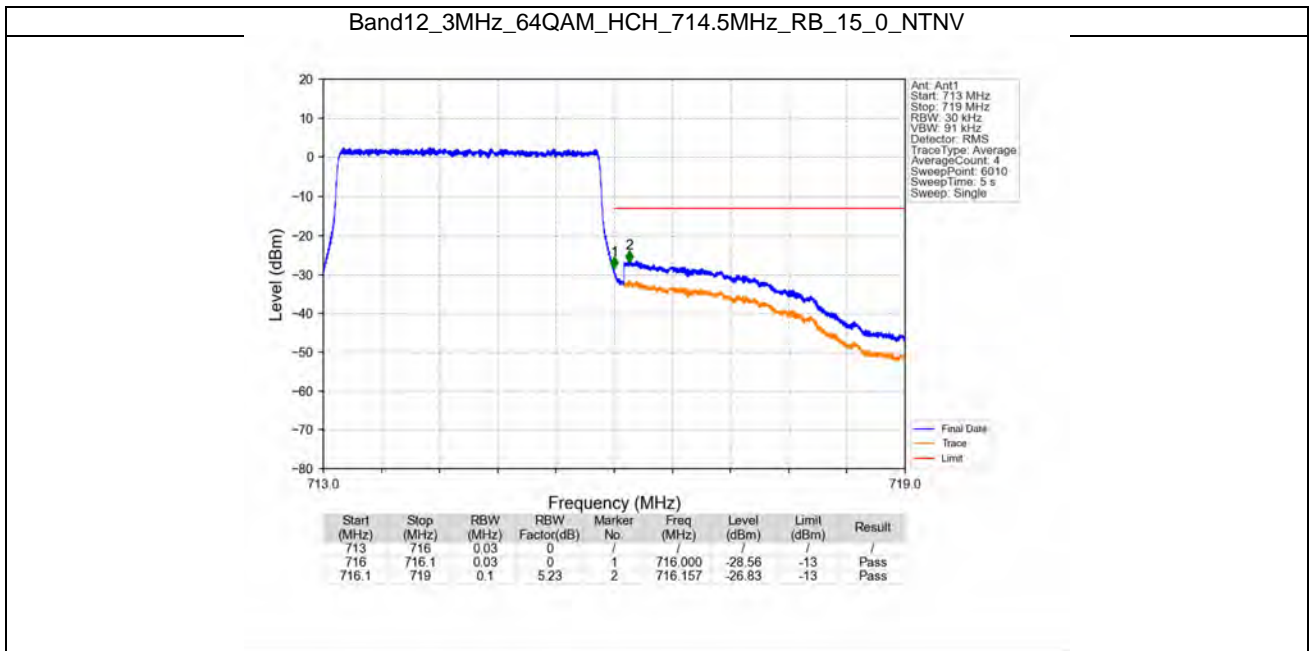
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6.3 B12\_5MHz

6.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	713.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	713.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	713.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

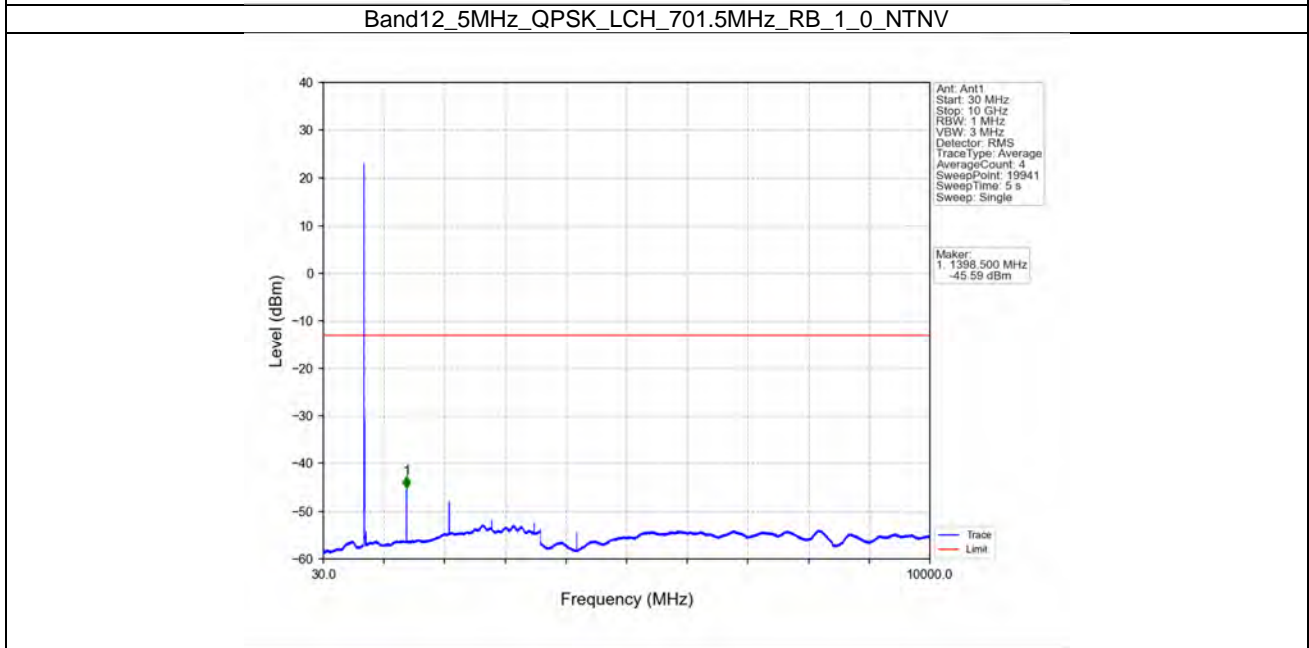
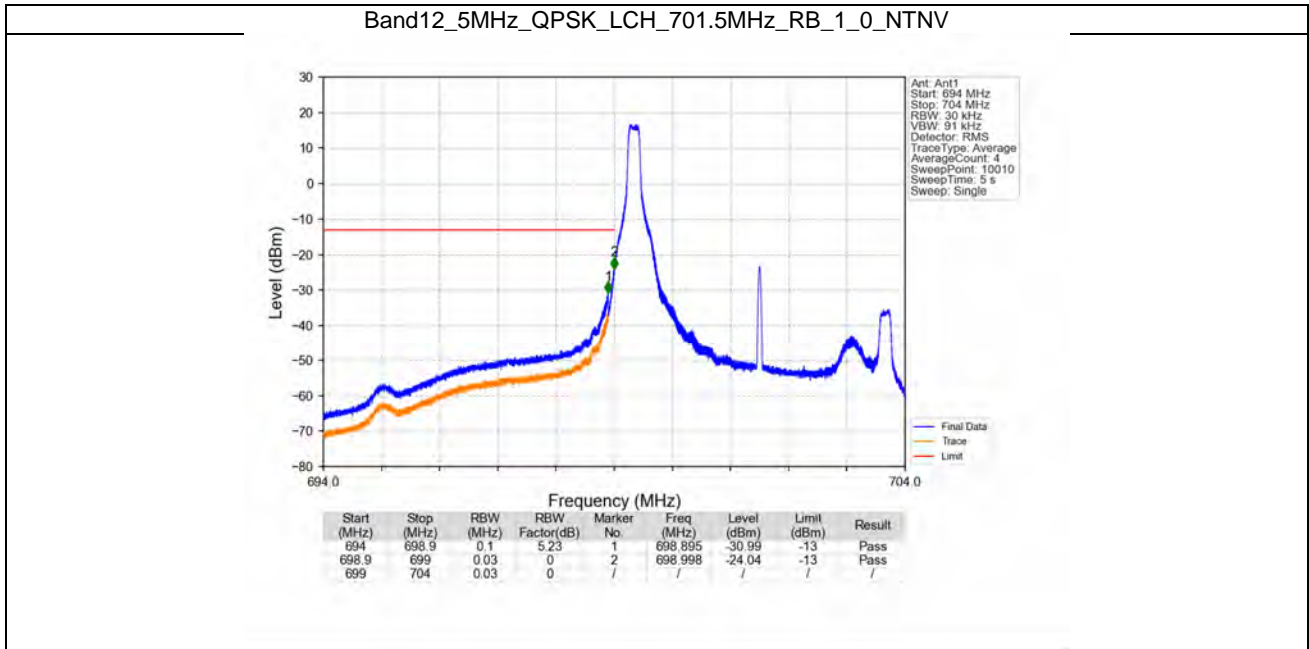


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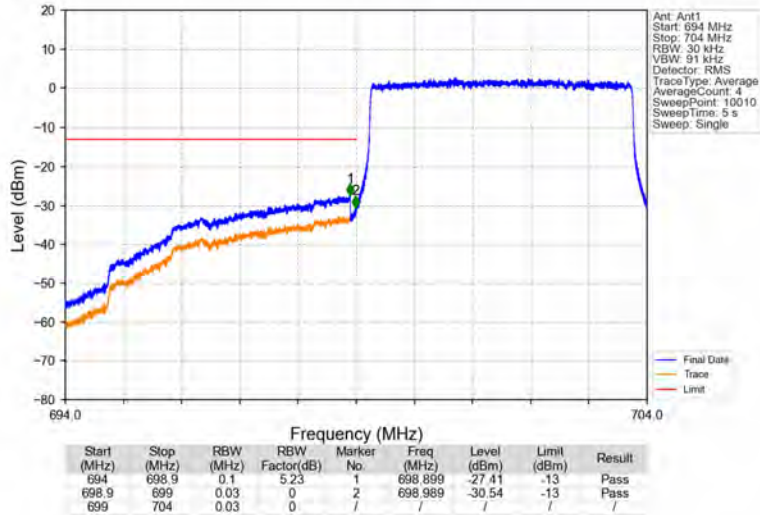
6.3.2 Test Graph



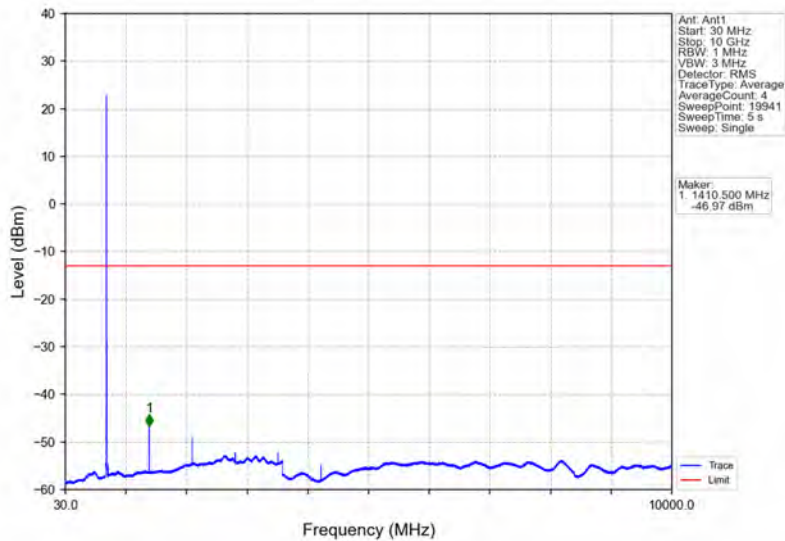
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Band12\_5MHz\_QPSK\_LCH\_701.5MHz\_RB\_25\_0\_NTNV



Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



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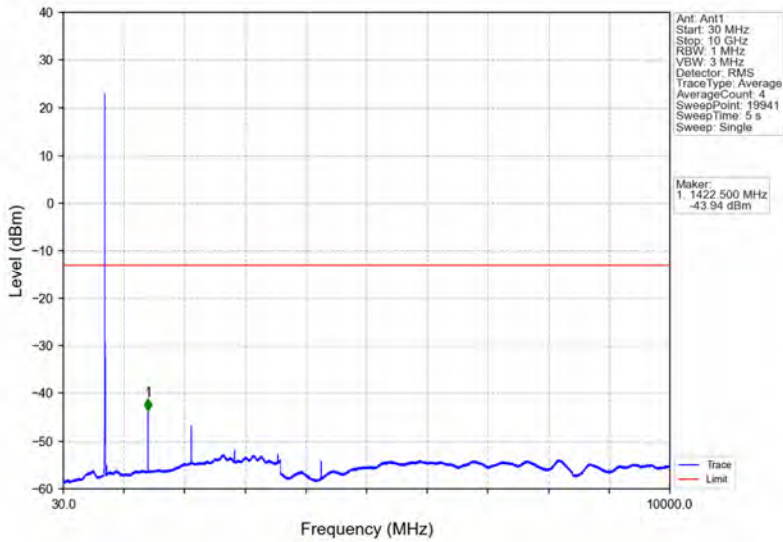
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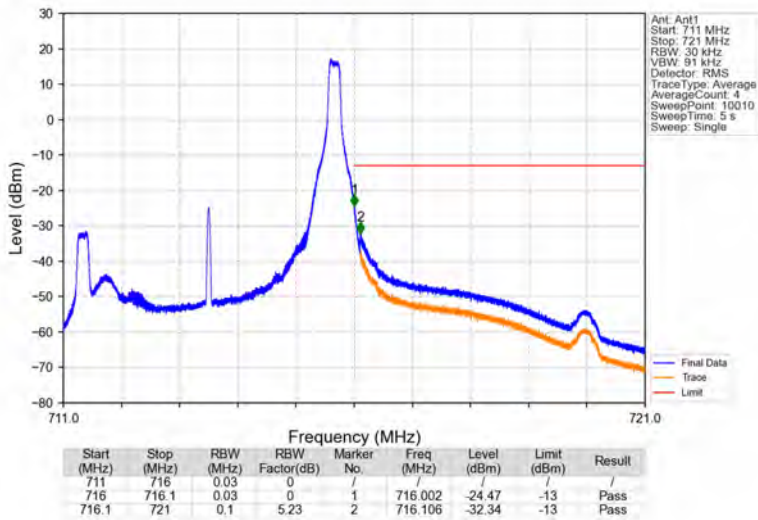
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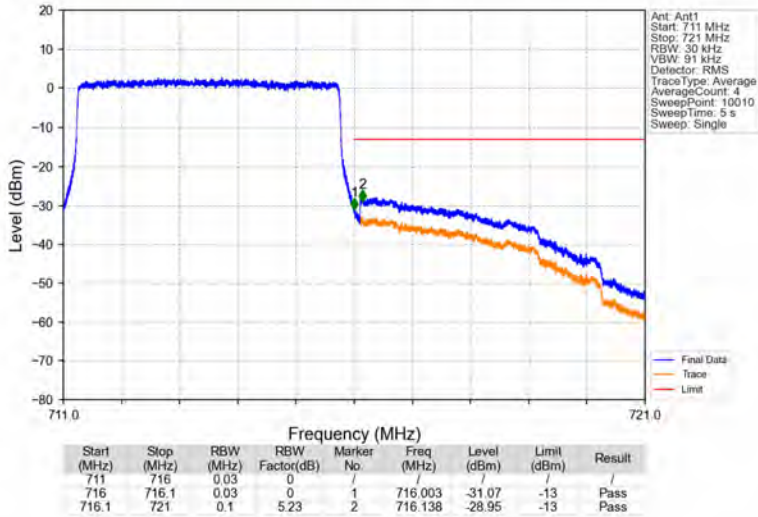


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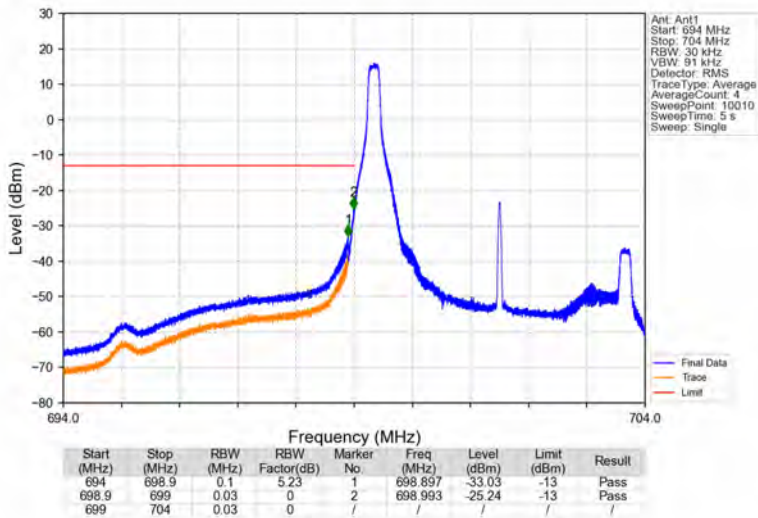
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Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_1\_0\_NTNV



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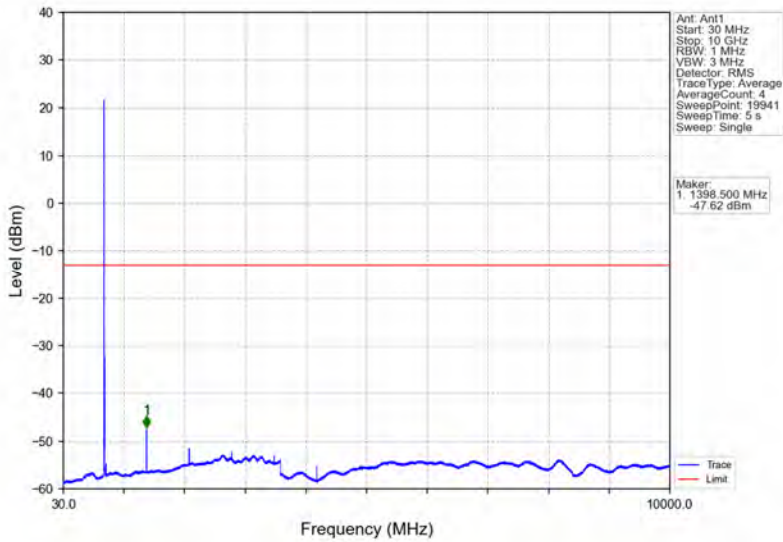
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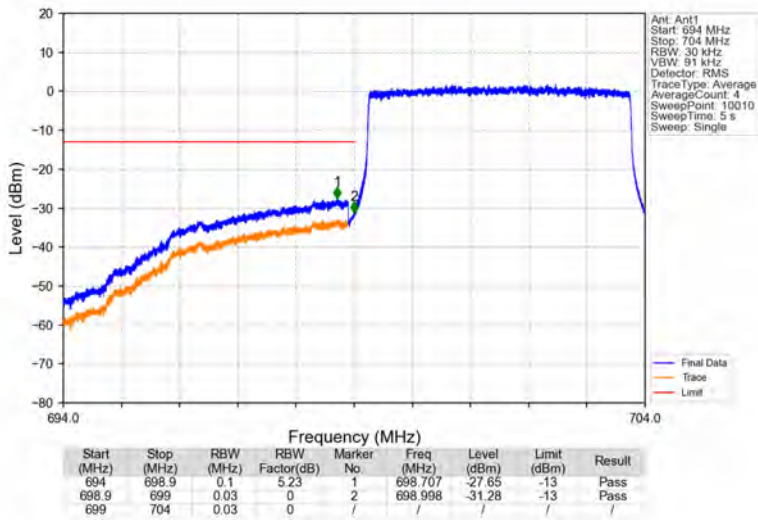
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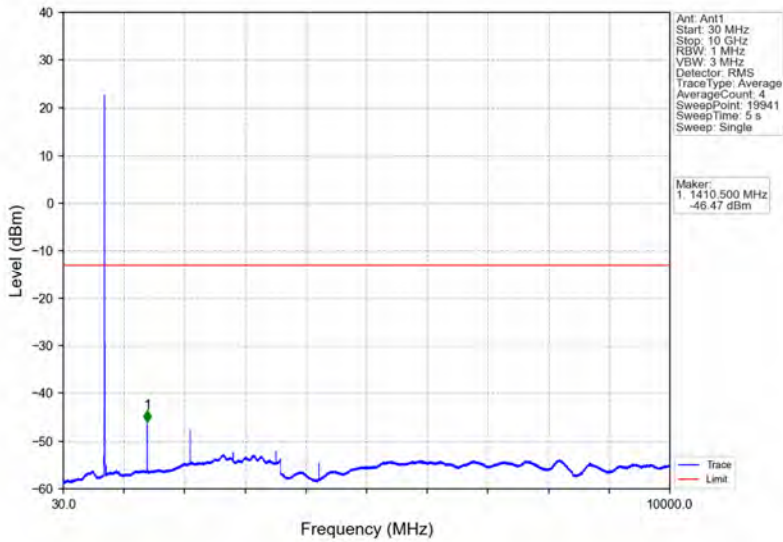


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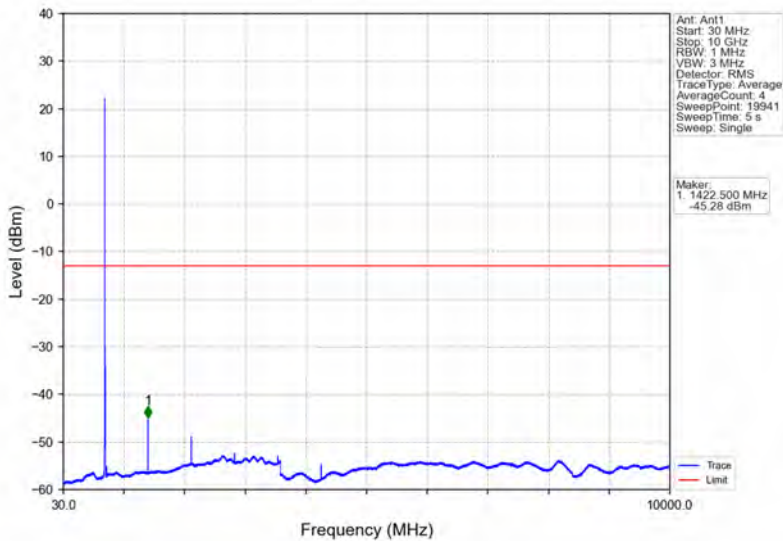
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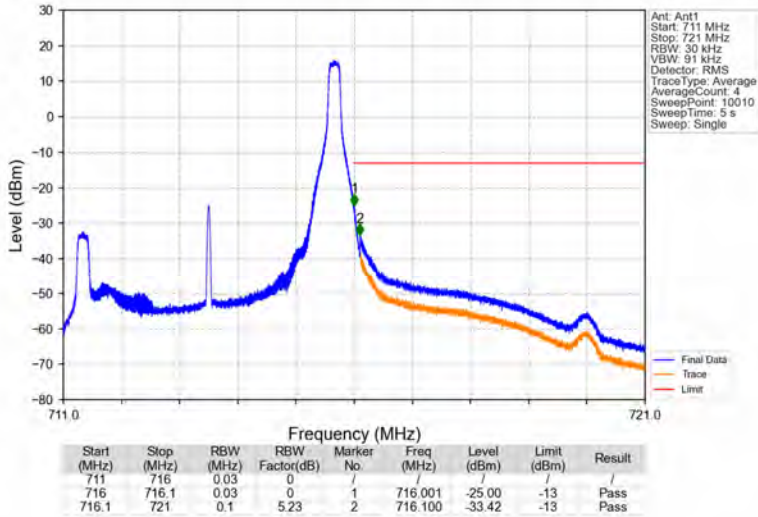
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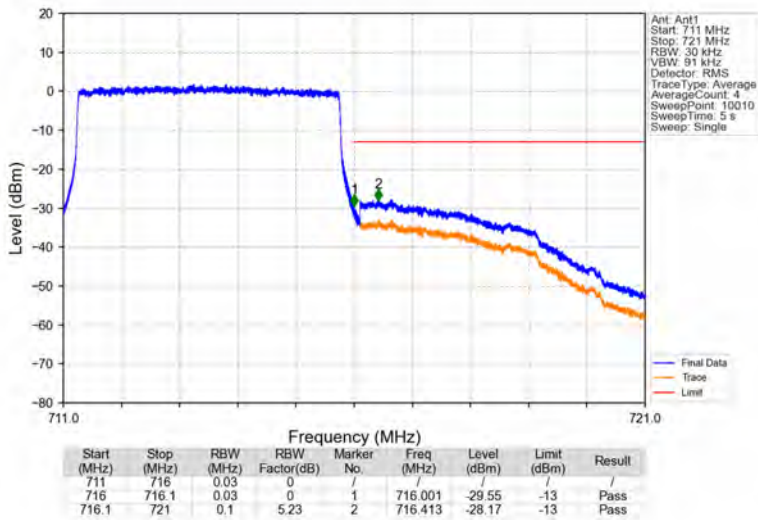


Compliance Certification Services (Kunshan) Inc.  
EMC Laboratory

Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_24\_NTNV



Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



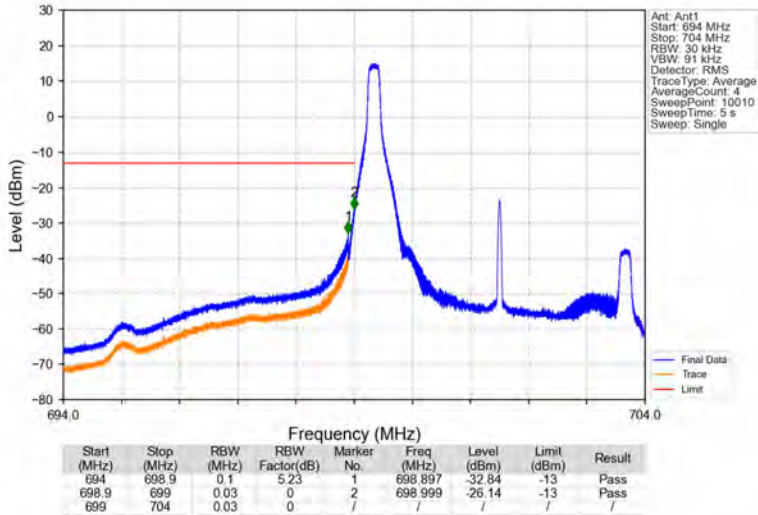
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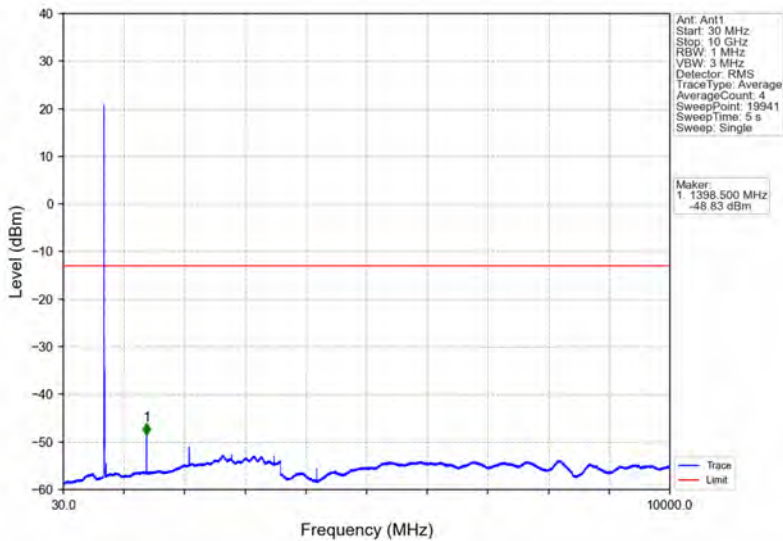
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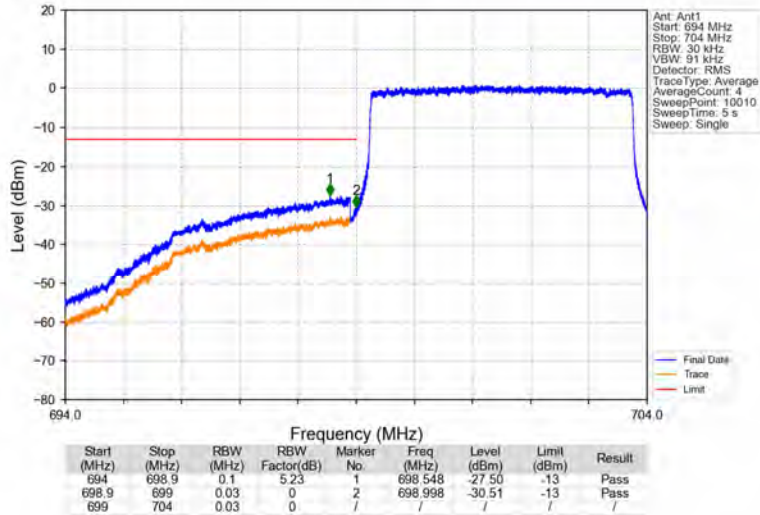
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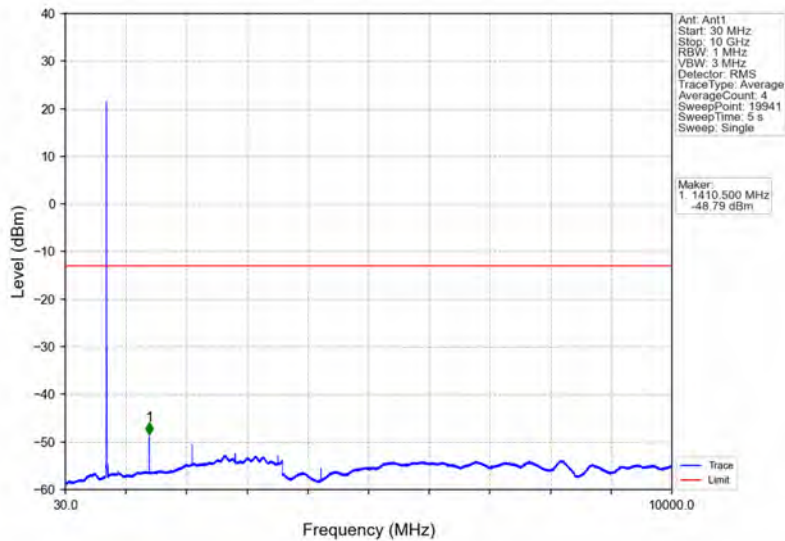
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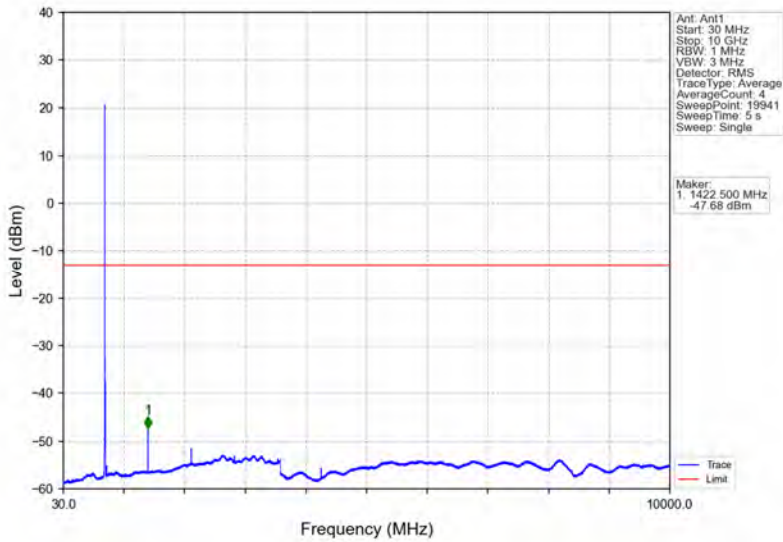
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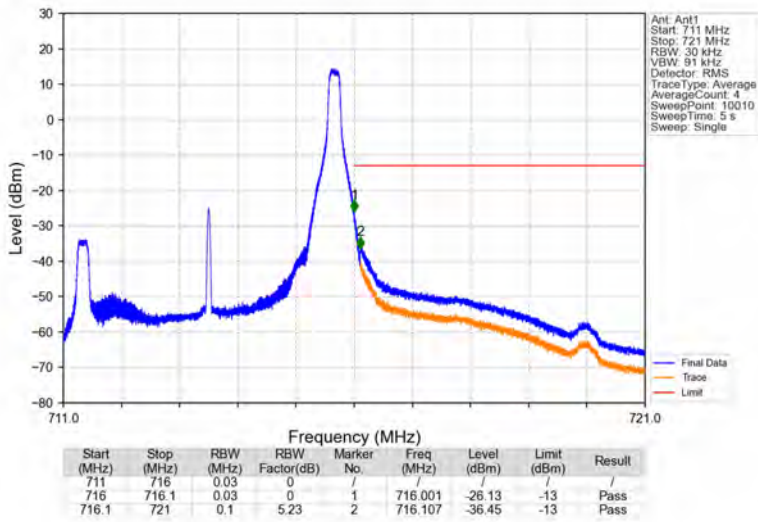
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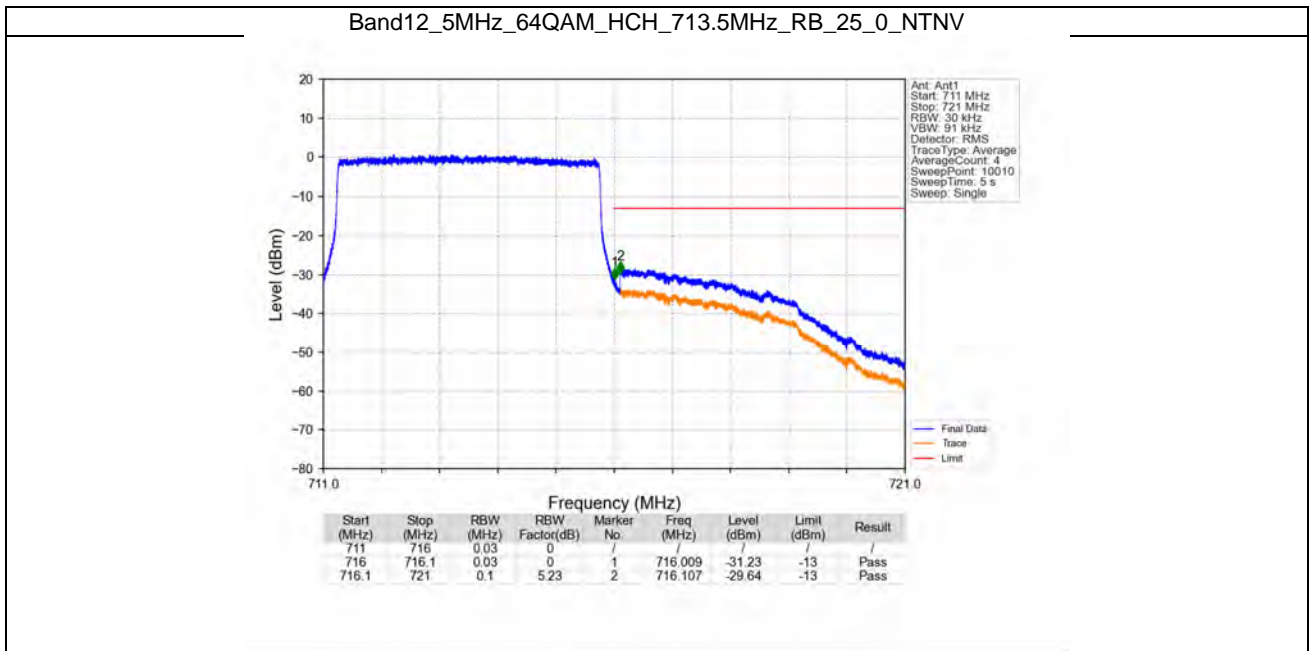
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6.4 B12\_10MHz

6.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	704	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	707.5	1	0	Refer To Test Graph		Pass	
		711	1	0	Refer To Test Graph		Pass
				49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass	
16QAM	704	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	707.5	1	0	Refer To Test Graph		Pass	
		711	1	0	Refer To Test Graph		Pass
				49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass	
64QAM	704	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	707.5	1	0	Refer To Test Graph		Pass	
		711	1	0	Refer To Test Graph		Pass
				49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass	

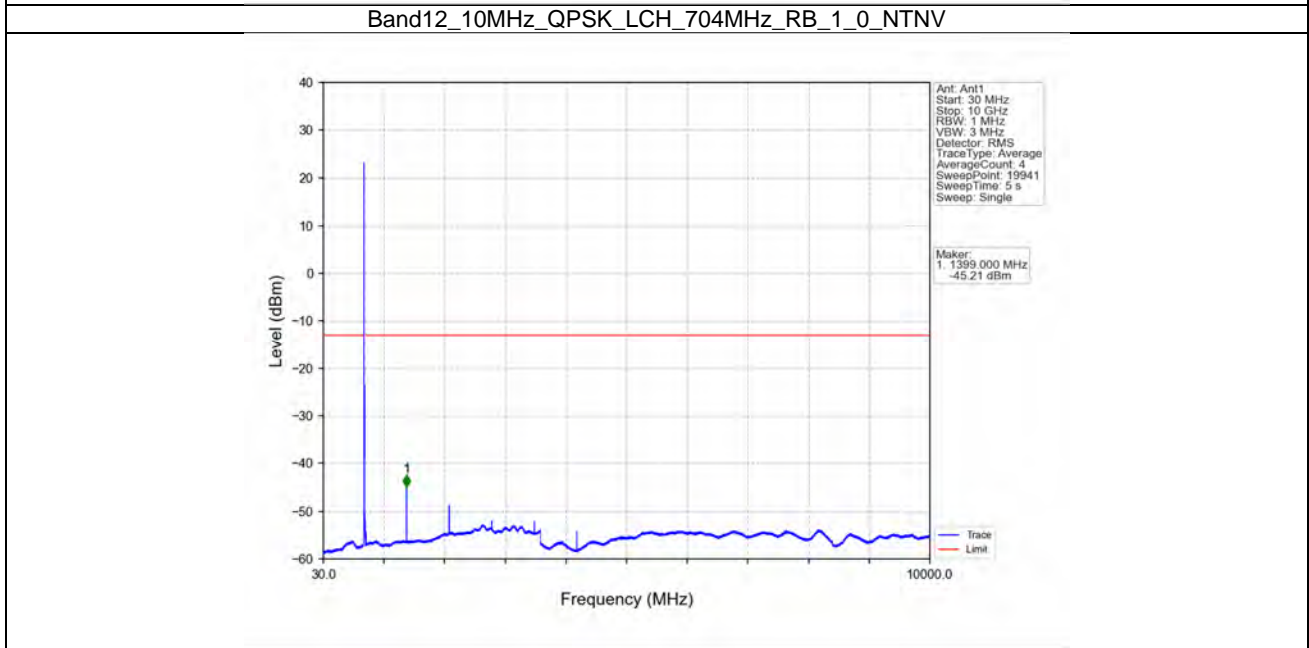
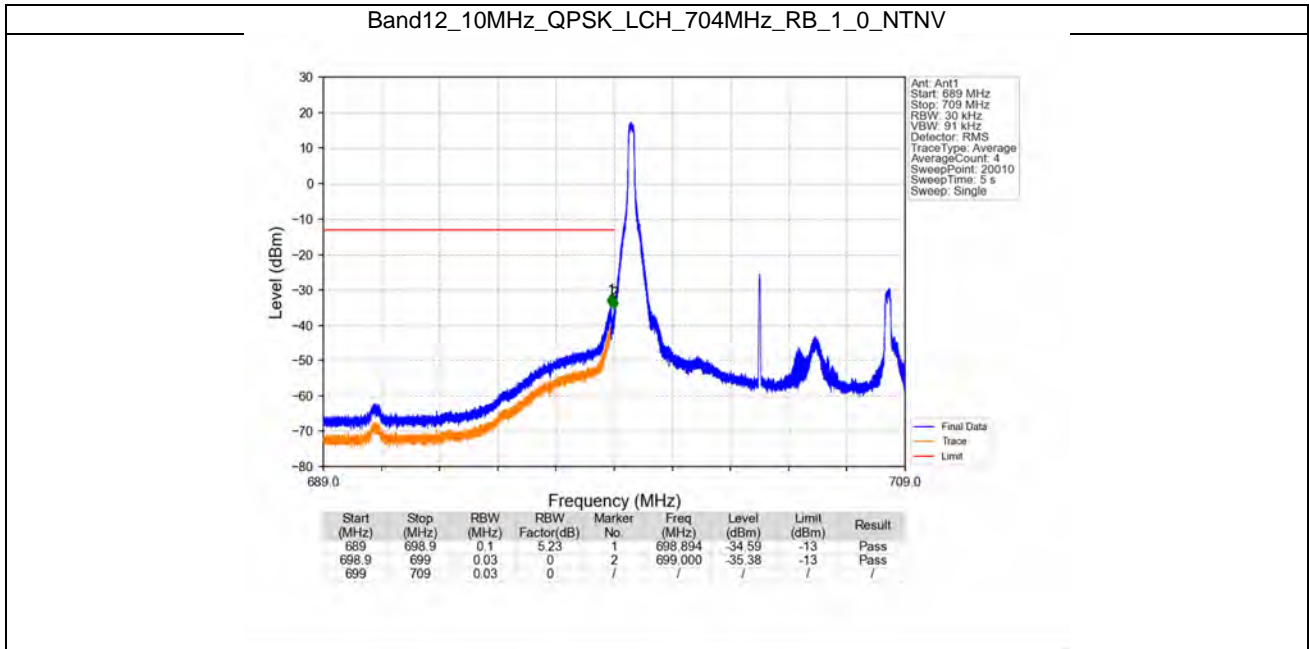


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6.4.2 Test Graph



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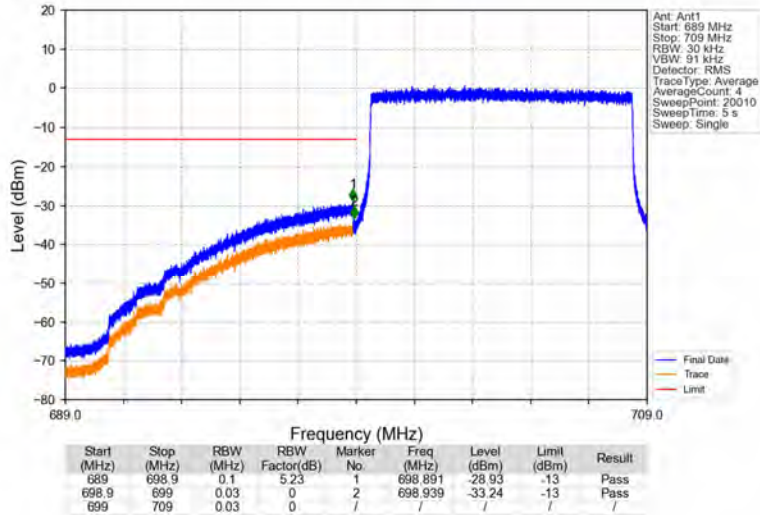
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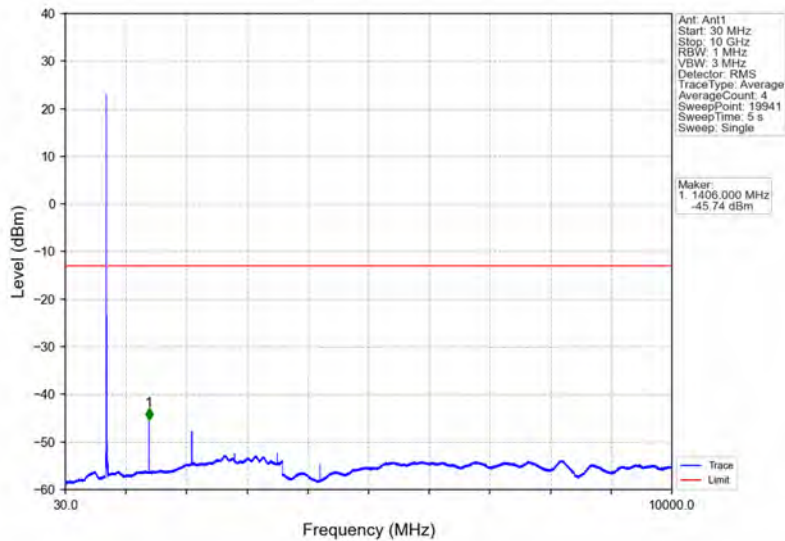
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Band12\_10MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



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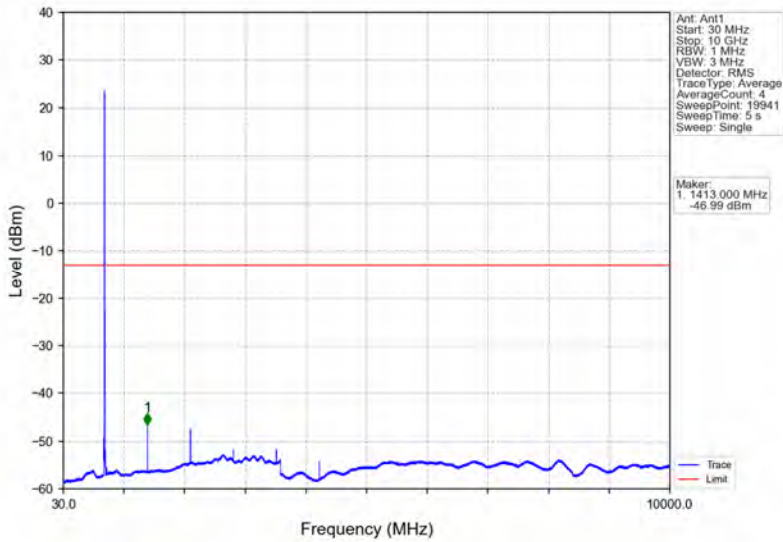
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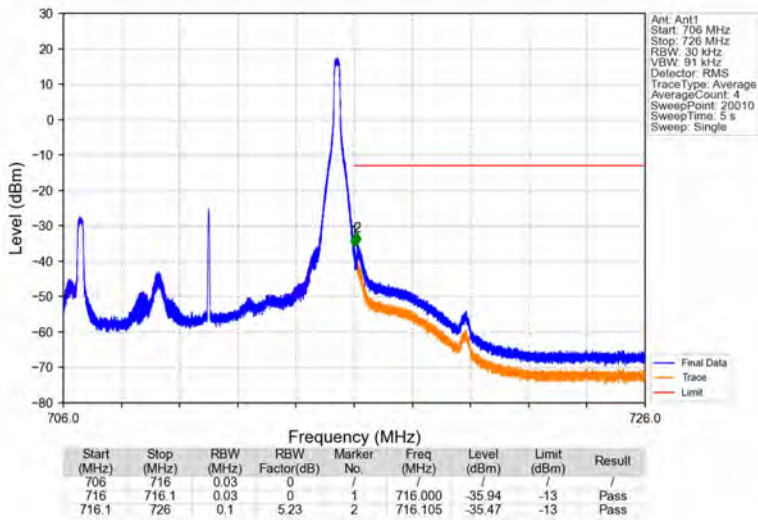
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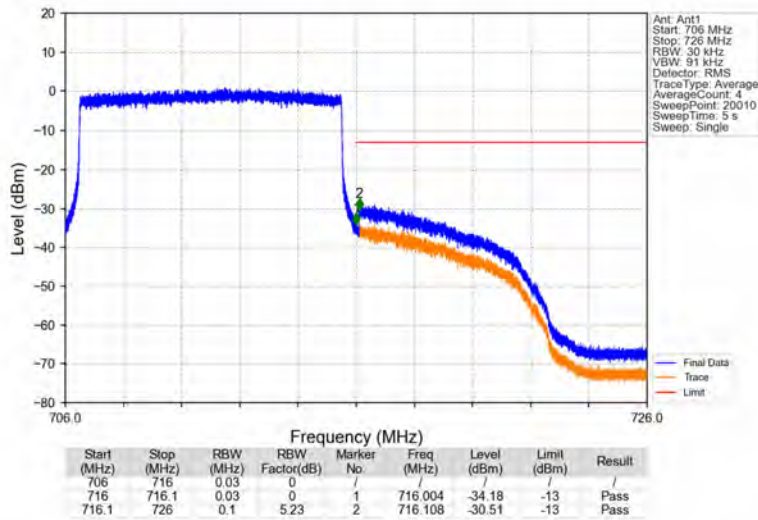
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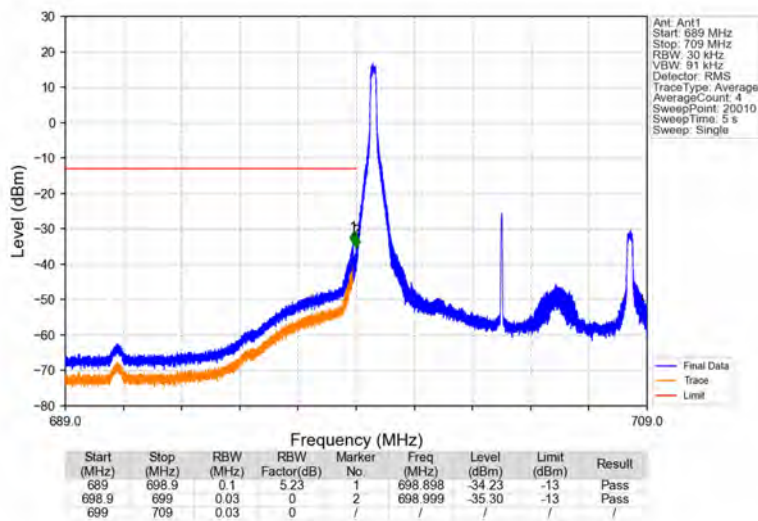
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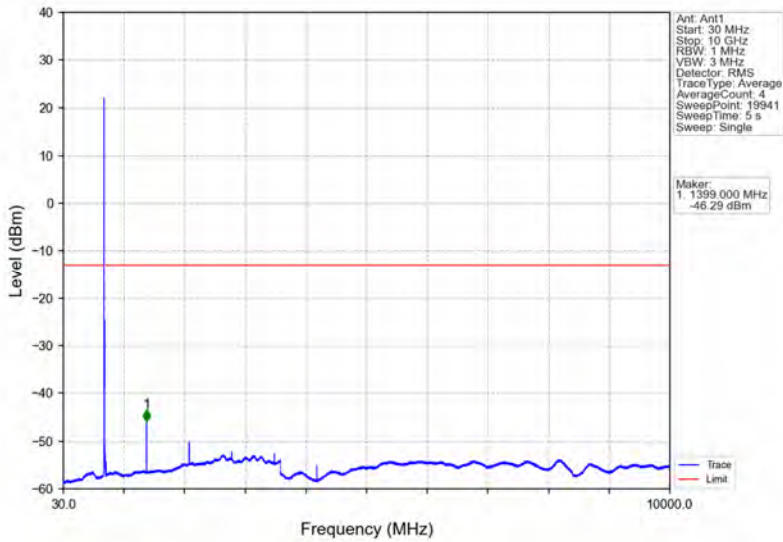
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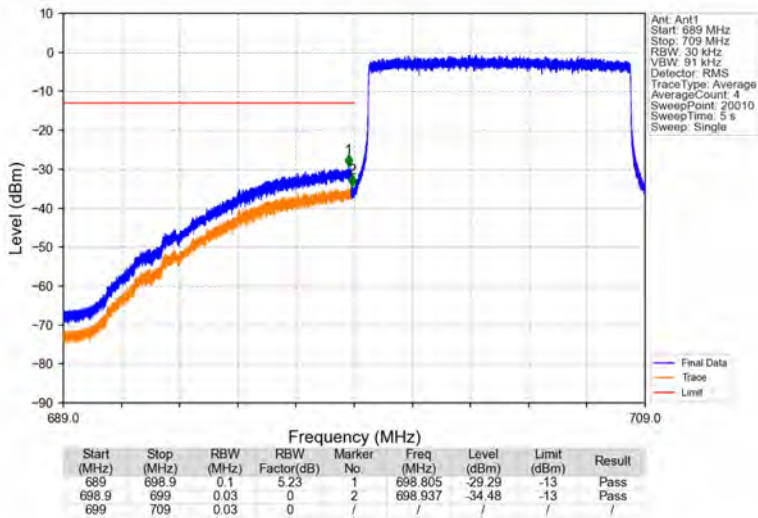
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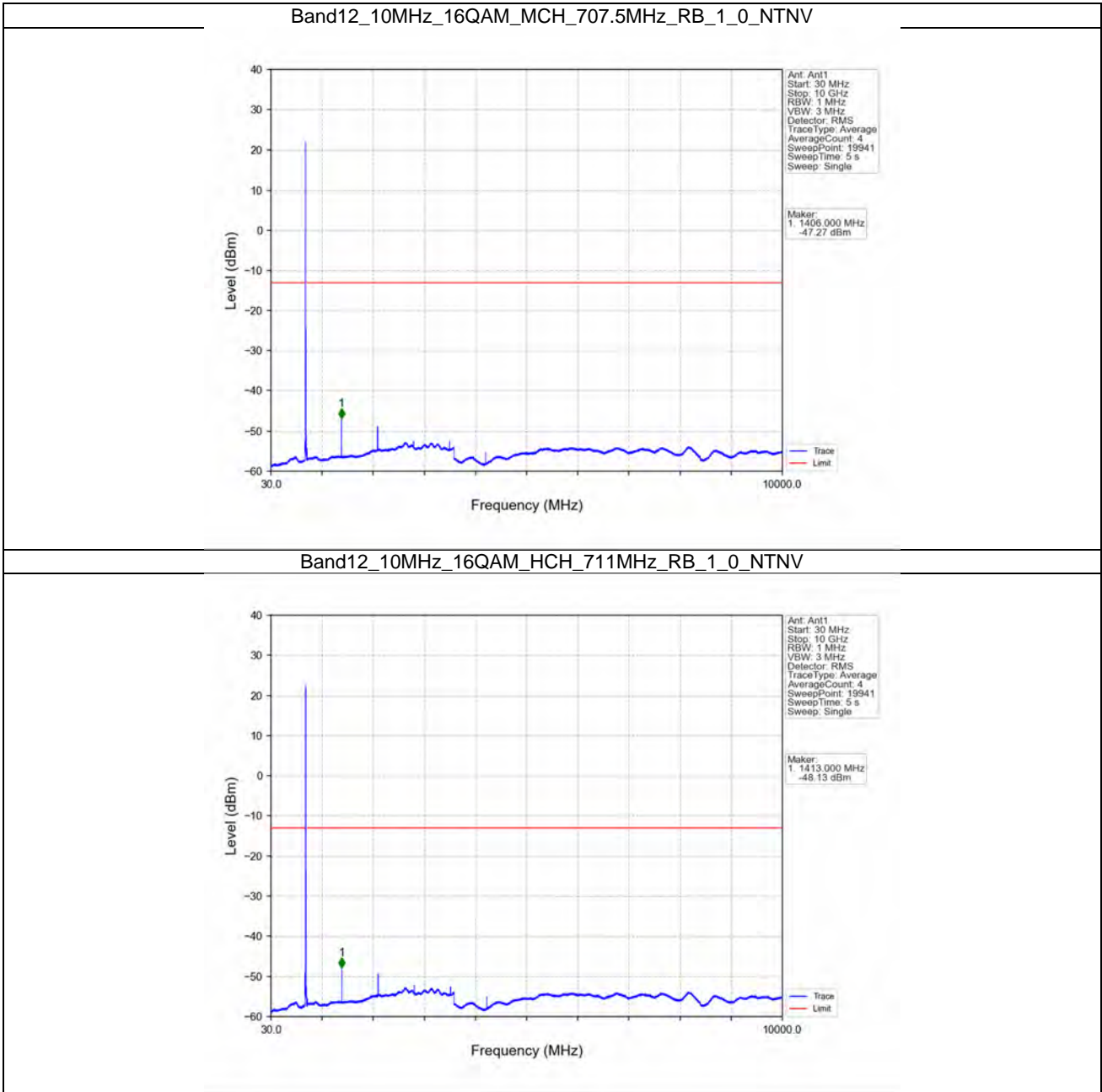
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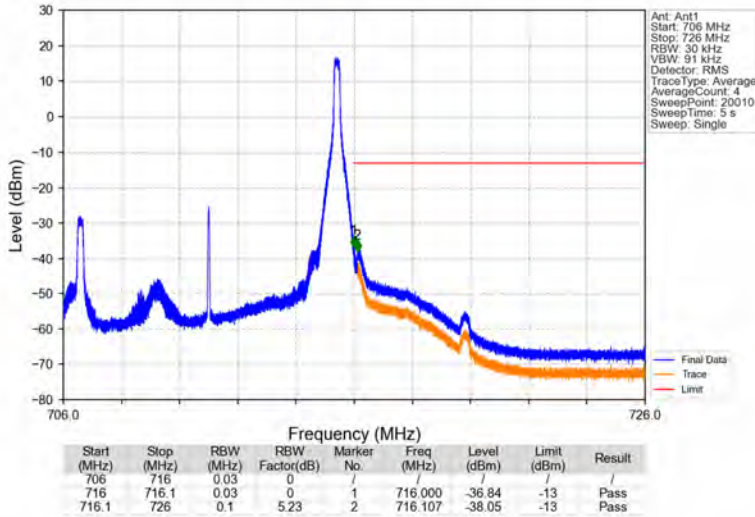


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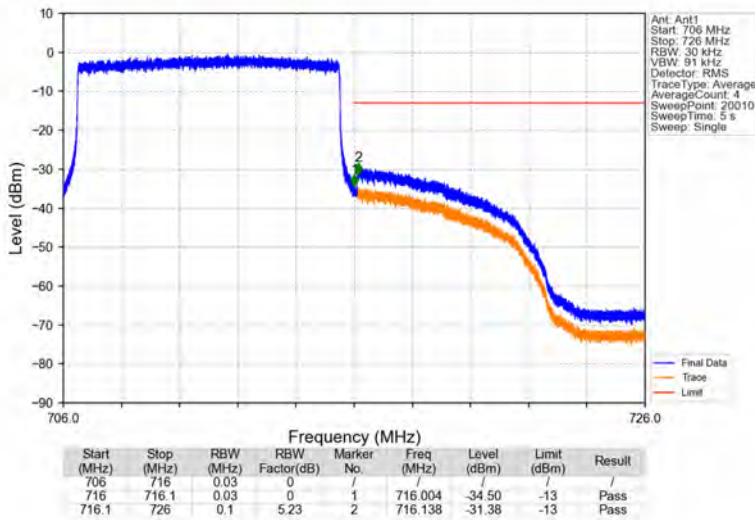
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Band12\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



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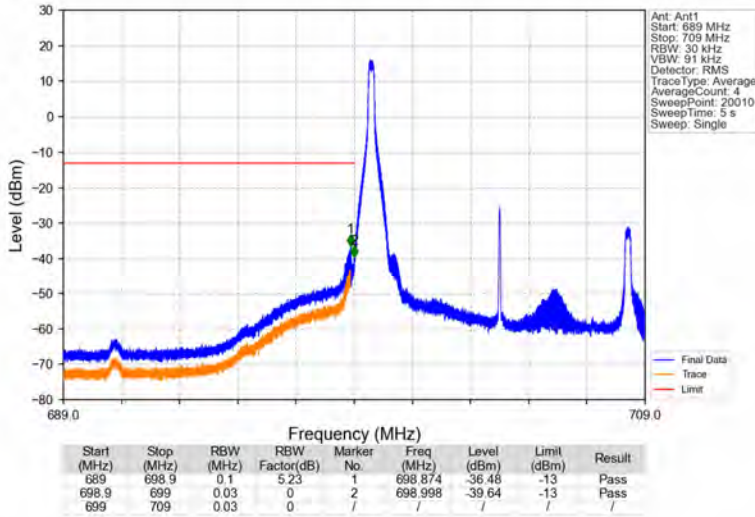
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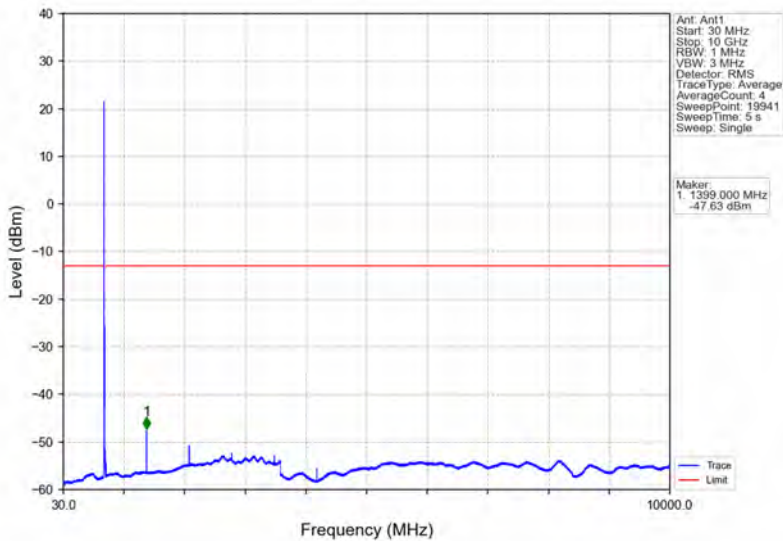
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Band12\_10MHz\_64QAM\_LCH\_704MHz\_RB\_1\_0\_NTNV



Band12\_10MHz\_64QAM\_LCH\_704MHz\_RB\_1\_0\_NTNV



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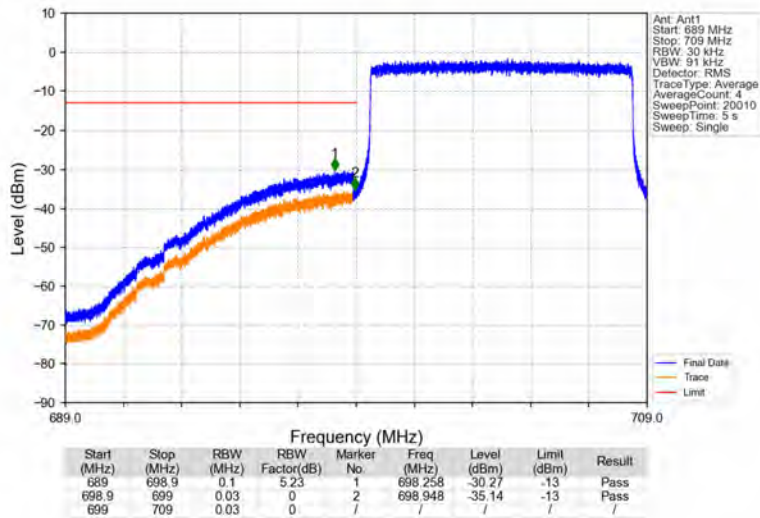
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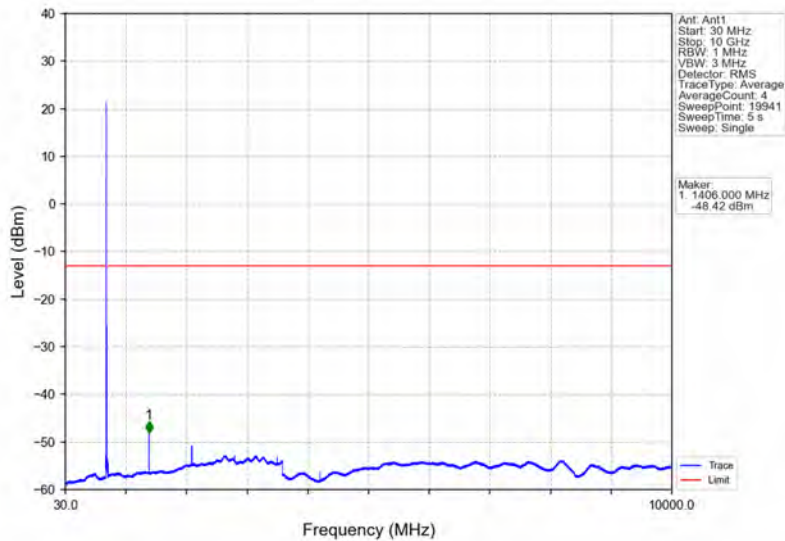
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Band12\_10MHz\_64QAM\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



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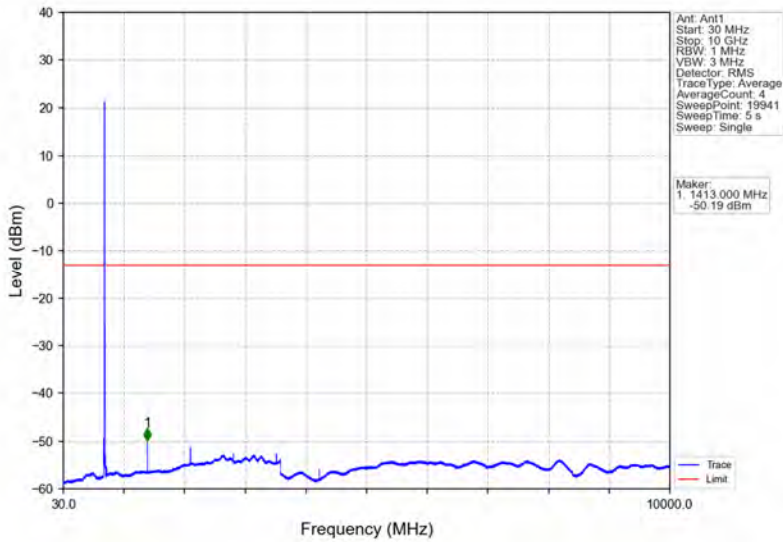
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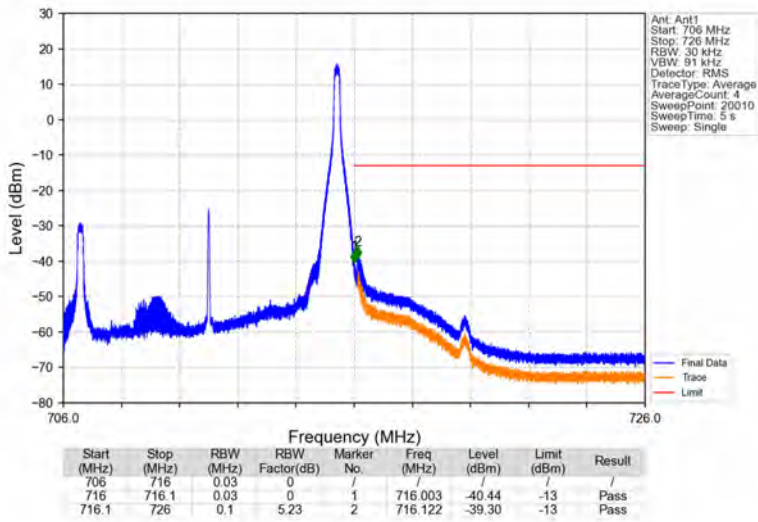
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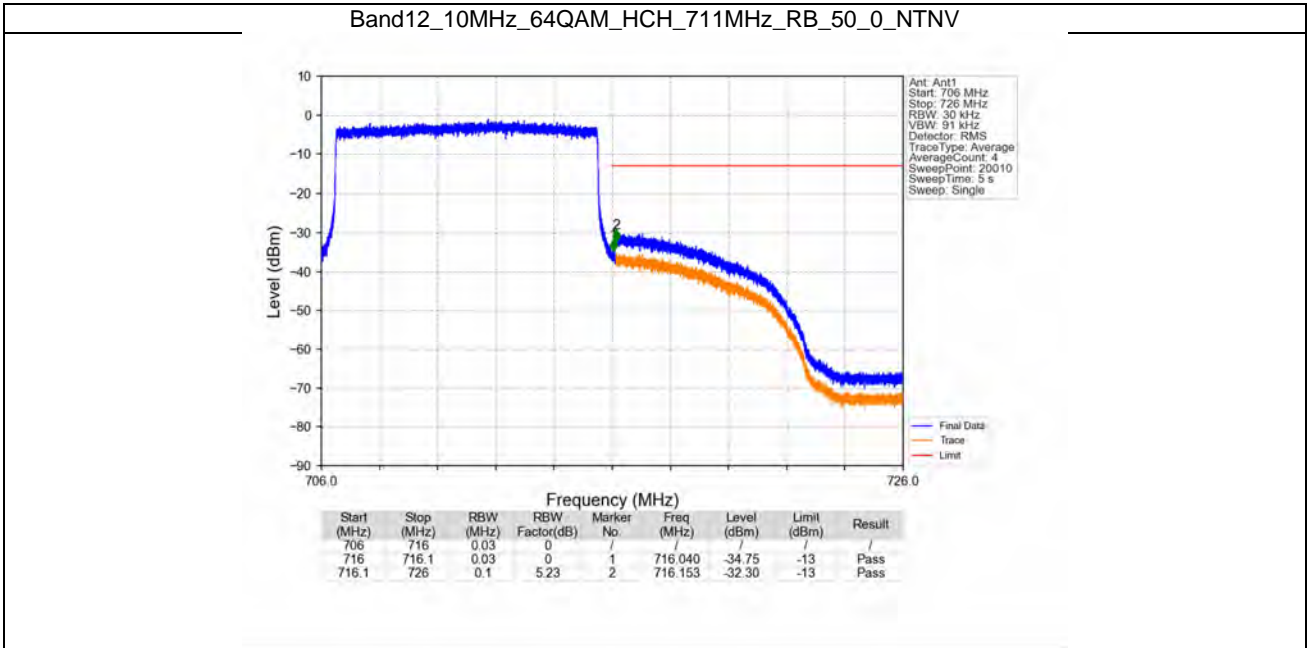
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