



Appendix B.10 for KSEM2108001480CR-LTE-Band 12

1. Effective (Isotropic) Radiated Power Output Data

1.1 B12_1.4MHz_ERP

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	24.20	-1.60	20.45	<=34.77	Pass
			2	24.44	-1.60	20.69	<=34.77	Pass
			5	23.91	-1.60	20.16	<=34.77	Pass
		3	0	23.95	-1.60	20.20	<=34.77	Pass
			2	23.94	-1.60	20.19	<=34.77	Pass
			3	23.83	-1.60	20.08	<=34.77	Pass
		6	0	22.83	-1.60	19.08	<=34.77	Pass
	707.5	1	0	24.15	-1.60	20.40	<=34.77	Pass
			2	24.35	-1.60	20.60	<=34.77	Pass
			5	24.26	-1.60	20.51	<=34.77	Pass
		3	0	24.16	-1.60	20.41	<=34.77	Pass
			2	24.33	-1.60	20.58	<=34.77	Pass
			3	24.24	-1.60	20.49	<=34.77	Pass
		6	0	23.20	-1.60	19.45	<=34.77	Pass
	715.3	1	0	23.96	-1.60	20.21	<=34.77	Pass
			2	23.97	-1.60	20.22	<=34.77	Pass
			5	23.86	-1.60	20.11	<=34.77	Pass
		3	0	23.93	-1.60	20.18	<=34.77	Pass
			2	23.88	-1.60	20.13	<=34.77	Pass
			3	23.86	-1.60	20.11	<=34.77	Pass
		6	0	22.88	-1.60	19.13	<=34.77	Pass
16QAM	699.7	1	0	22.82	-1.60	19.07	<=34.77	Pass
			2	22.84	-1.60	19.09	<=34.77	Pass
			5	22.82	-1.60	19.07	<=34.77	Pass
		3	0	22.99	-1.60	19.24	<=34.77	Pass
			2	23.07	-1.60	19.32	<=34.77	Pass
			3	23.03	-1.60	19.28	<=34.77	Pass
		6	0	21.86	-1.60	18.11	<=34.77	Pass
	707.5	1	0	22.81	-1.60	19.06	<=34.77	Pass
			2	22.91	-1.60	19.16	<=34.77	Pass
			5	22.91	-1.60	19.16	<=34.77	Pass
		3	0	23.09	-1.60	19.34	<=34.77	Pass
			2	23.17	-1.60	19.42	<=34.77	Pass
			3	23.14	-1.60	19.39	<=34.77	Pass
		6	0	21.91	-1.60	18.16	<=34.77	Pass



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	715.3	1	0	23.02	-1.60	19.27	<=34.77	Pass
			2	23.03	-1.60	19.28	<=34.77	Pass
			5	22.98	-1.60	19.23	<=34.77	Pass
		3	0	23.22	-1.60	19.47	<=34.77	Pass
			2	23.19	-1.60	19.44	<=34.77	Pass
			3	23.17	-1.60	19.42	<=34.77	Pass
		6	0	21.96	-1.60	18.21	<=34.77	Pass

Note1: ERP=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		Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	24.17	-1.60	20.42	<=34.77	Pass
			7	23.89	-1.60	20.14	<=34.77	Pass
			14	23.85	-1.60	20.10	<=34.77	Pass
		8	0	22.90	-1.60	19.15	<=34.77	Pass
			4	22.85	-1.60	19.10	<=34.77	Pass
			7	22.82	-1.60	19.07	<=34.77	Pass
		15	0	22.85	-1.60	19.10	<=34.77	Pass
	707.5	1	0	24.19	-1.60	20.44	<=34.77	Pass
			7	24.36	-1.60	20.61	<=34.77	Pass
			14	24.34	-1.60	20.59	<=34.77	Pass
		8	0	23.22	-1.60	19.47	<=34.77	Pass
			4	23.26	-1.60	19.51	<=34.77	Pass
			7	23.25	-1.60	19.50	<=34.77	Pass
		15	0	23.20	-1.60	19.45	<=34.77	Pass
	714.5	1	0	24.01	-1.60	20.26	<=34.77	Pass
			7	23.94	-1.60	20.19	<=34.77	Pass
			14	23.68	-1.60	19.93	<=34.77	Pass
		8	0	23.09	-1.60	19.34	<=34.77	Pass
			4	23.03	-1.60	19.28	<=34.77	Pass
			7	23.01	-1.60	19.26	<=34.77	Pass
		15	0	23.01	-1.60	19.26	<=34.77	Pass
16QAM	700.5	1	0	22.93	-1.60	19.18	<=34.77	Pass
			7	22.87	-1.60	19.12	<=34.77	Pass
			14	22.82	-1.60	19.07	<=34.77	Pass
		8	0	21.97	-1.60	18.22	<=34.77	Pass
			4	21.92	-1.60	18.17	<=34.77	Pass
			7	21.94	-1.60	18.19	<=34.77	Pass
		15	0	21.92	-1.60	18.17	<=34.77	Pass
	707.5	1	0	22.88	-1.60	19.13	<=34.77	Pass
			7	22.88	-1.60	19.13	<=34.77	Pass
			14	22.92	-1.60	19.17	<=34.77	Pass
		8	0	21.89	-1.60	18.14	<=34.77	Pass



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		15	4	21.91	-1.60	18.16	<=34.77	Pass
			7	21.92	-1.60	18.17	<=34.77	Pass
			0	22.00	-1.60	18.25	<=34.77	Pass
	714.5	1	0	23.21	-1.60	19.46	<=34.77	Pass
			7	23.23	-1.60	19.48	<=34.77	Pass
			14	23.08	-1.60	19.33	<=34.77	Pass
		8	0	22.19	-1.60	18.44	<=34.77	Pass
			4	22.15	-1.60	18.40	<=34.77	Pass
			7	22.12	-1.60	18.37	<=34.77	Pass
		15	0	22.14	-1.60	18.39	<=34.77	Pass

Note1: ERP=Power+Antenna Gain-2.15

1.3 B12_5MHz_ERP

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	24.35	-1.60	20.60	<=34.77	Pass
			13	24.18	-1.60	20.43	<=34.77	Pass
			24	23.83	-1.60	20.08	<=34.77	Pass
		12	0	23.06	-1.60	19.31	<=34.77	Pass
			6	22.98	-1.60	19.23	<=34.77	Pass
			13	23.01	-1.60	19.26	<=34.77	Pass
	707.5	25	0	23.02	-1.60	19.27	<=34.77	Pass
			0	24.16	-1.60	20.41	<=34.77	Pass
			13	24.12	-1.60	20.37	<=34.77	Pass
		1	24	24.15	-1.60	20.40	<=34.77	Pass
			0	23.25	-1.60	19.50	<=34.77	Pass
			6	23.20	-1.60	19.45	<=34.77	Pass
		12	13	23.20	-1.60	19.45	<=34.77	Pass
			0	23.21	-1.60	19.46	<=34.77	Pass
			0	24.04	-1.60	20.29	<=34.77	Pass
	713.5	1	13	24.06	-1.60	20.31	<=34.77	Pass
			24	23.67	-1.60	19.92	<=34.77	Pass
			0	22.96	-1.60	19.21	<=34.77	Pass
		12	6	23.07	-1.60	19.32	<=34.77	Pass
			13	23.02	-1.60	19.27	<=34.77	Pass
			0	23.04	-1.60	19.29	<=34.77	Pass
		25	0	23.10	-1.60	19.35	<=34.77	Pass
			13	23.10	-1.60	19.35	<=34.77	Pass
			24	22.99	-1.60	19.24	<=34.77	Pass
16QAM	701.5	1	0	21.98	-1.60	18.23	<=34.77	Pass
			6	21.98	-1.60	18.23	<=34.77	Pass
			13	22.01	-1.60	18.26	<=34.77	Pass
		12	0	21.98	-1.60	18.23	<=34.77	Pass
			13	22.01	-1.60	18.26	<=34.77	Pass



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	707.5	25	0	22.06	-1.60	18.31	<=34.77	Pass
		1	0	23.13	-1.60	19.38	<=34.77	Pass
			13	23.15	-1.60	19.40	<=34.77	Pass
			24	23.14	-1.60	19.39	<=34.77	Pass
		12	0	21.96	-1.60	18.21	<=34.77	Pass
			6	21.94	-1.60	18.19	<=34.77	Pass
			13	21.90	-1.60	18.15	<=34.77	Pass
	713.5	25	0	21.88	-1.60	18.13	<=34.77	Pass
		1	0	22.98	-1.60	19.23	<=34.77	Pass
			13	23.02	-1.60	19.27	<=34.77	Pass
			24	22.66	-1.60	18.91	<=34.77	Pass
		12	0	22.16	-1.60	18.41	<=34.77	Pass
			6	22.28	-1.60	18.53	<=34.77	Pass
			13	22.14	-1.60	18.39	<=34.77	Pass
		25	0	22.22	-1.60	18.47	<=34.77	Pass

Note1: ERP=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		Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	24.16	-1.60	20.41	<=34.77	Pass
			25	24.09	-1.60	20.34	<=34.77	Pass
			49	24.10	-1.60	20.35	<=34.77	Pass
		25	0	23.12	-1.60	19.37	<=34.77	Pass
			13	23.17	-1.60	19.42	<=34.77	Pass
			25	23.21	-1.60	19.46	<=34.77	Pass
	707.5	50	0	23.12	-1.60	19.37	<=34.77	Pass
		1	0	24.11	-1.60	20.36	<=34.77	Pass
			25	24.06	-1.60	20.31	<=34.77	Pass
			49	24.15	-1.60	20.40	<=34.77	Pass
		25	0	23.01	-1.60	19.26	<=34.77	Pass
			13	23.10	-1.60	19.35	<=34.77	Pass
			25	22.99	-1.60	19.24	<=34.77	Pass
		50	0	23.04	-1.60	19.29	<=34.77	Pass
	711	1	0	24.15	-1.60	20.40	<=34.77	Pass
			25	24.19	-1.60	20.44	<=34.77	Pass
			49	23.66	-1.60	19.91	<=34.77	Pass
		25	0	23.03	-1.60	19.28	<=34.77	Pass
			13	23.01	-1.60	19.26	<=34.77	Pass
			25	22.98	-1.60	19.23	<=34.77	Pass
		50	0	23.03	-1.60	19.28	<=34.77	Pass
16QAM	704	1	0	23.00	-1.60	19.25	<=34.77	Pass



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		25	25	23.00	-1.60	19.25	<=34.77	Pass		
			49	23.09	-1.60	19.34	<=34.77	Pass		
			0	21.87	-1.60	18.12	<=34.77	Pass		
			13	21.93	-1.60	18.18	<=34.77	Pass		
			25	22.09	-1.60	18.34	<=34.77	Pass		
	707.5	50	0	21.97	-1.60	18.22	<=34.77	Pass		
			1	0	23.39	-1.60	19.64	<=34.77	Pass	
				25	23.44	-1.60	19.69	<=34.77	Pass	
		49		23.43	-1.60	19.68	<=34.77	Pass		
		25	0	21.90	-1.60	18.15	<=34.77	Pass		
			13	21.97	-1.60	18.22	<=34.77	Pass		
			25	21.92	-1.60	18.17	<=34.77	Pass		
		50	0	21.94	-1.60	18.19	<=34.77	Pass		
			711	1	0	22.97	-1.60	19.22	<=34.77	Pass
					25	23.03	-1.60	19.28	<=34.77	Pass
		49			22.65	-1.60	18.90	<=34.77	Pass	
		25	0	22.04	-1.60	18.29	<=34.77	Pass		
			13	22.00	-1.60	18.25	<=34.77	Pass		
			25	21.97	-1.60	18.22	<=34.77	Pass		
		50	0	22.02	-1.60	18.27	<=34.77	Pass		

Note1: ERP=Power+Antenna Gain-2.15

Note1: ERP=Power+Antenna Gain-2.15

For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Power [dBm] + Gain [dBd]

EIRP [dBm] = Power [dBm] + Gain [dBi]



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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	3.27	-1.83	-0.00	-2.5 to 2.5	Pass
					3.85	-2.09	-0.00	-2.5 to 2.5	Pass
					4.43	-0.97	-0.00	-2.5 to 2.5	Pass
				-30	3.85	0.23	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.67	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.09	0.00	-2.5 to 2.5	Pass
				0	3.85	0.93	0.00	-2.5 to 2.5	Pass
				10	3.85	0.86	0.00	-2.5 to 2.5	Pass
				30	3.85	-0.74	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.44	-0.00	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-0.51	-0.00	-2.5 to 2.5	Pass
					3.85	-1.02	-0.00	-2.5 to 2.5	Pass
					4.43	0.30	0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.59	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.76	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.33	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.36	-0.00	-2.5 to 2.5	Pass
				10	3.85	0.34	0.00	-2.5 to 2.5	Pass
				30	3.85	-1.17	-0.00	-2.5 to 2.5	Pass
				40	3.85	-2.83	-0.00	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	13.23	0.02	-2.5 to 2.5	Pass
					3.85	15.18	0.02	-2.5 to 2.5	Pass
					4.43	16.69	0.02	-2.5 to 2.5	Pass
				-30	3.85	18.12	0.03	-2.5 to 2.5	Pass
				-20	3.85	13.73	0.02	-2.5 to 2.5	Pass
				-10	3.85	10.43	0.01	-2.5 to 2.5	Pass
				0	3.85	10.43	0.01	-2.5 to 2.5	Pass
				10	3.85	7.52	0.01	-2.5 to 2.5	Pass
				30	3.85	5.36	0.01	-2.5 to 2.5	Pass
				40	3.85	4.88	0.01	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-1.97	-0.00	-2.5 to 2.5	Pass
					3.85	-2.39	-0.00	-2.5 to 2.5	Pass



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					4.43	-2.05	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.42	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.43	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.62	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.64	-0.00	-2.5 to 2.5	Pass
				10	3.85	0.13	0.00	-2.5 to 2.5	Pass
				30	3.85	-1.77	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.02	-0.00	-2.5 to 2.5	Pass
	50	3.85	-2.73	-0.00	-2.5 to 2.5	Pass			
	707.5	6	0	20	3.27	0.37	0.00	-2.5 to 2.5	Pass
					3.85	1.16	0.00	-2.5 to 2.5	Pass
					4.43	-2.59	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.10	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.37	-0.00	-2.5 to 2.5	Pass
				-10	3.85	0.92	0.00	-2.5 to 2.5	Pass
				0	3.85	-2.40	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.35	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.05	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.27	-0.00	-2.5 to 2.5	Pass
				50	3.85	-1.22	-0.00	-2.5 to 2.5	Pass
				715.3	6	0	20	3.27	-2.68
	3.85	-0.09	-0.00					-2.5 to 2.5	Pass
	4.43	-2.78	-0.00					-2.5 to 2.5	Pass
	-30	3.85	-1.90				-0.00	-2.5 to 2.5	Pass
	-20	3.85	0.54				0.00	-2.5 to 2.5	Pass
	-10	3.85	0.14				0.00	-2.5 to 2.5	Pass
	0	3.85	-0.36				-0.00	-2.5 to 2.5	Pass
	10	3.85	-2.05				-0.00	-2.5 to 2.5	Pass
	30	3.85	1.34				0.00	-2.5 to 2.5	Pass
	40	3.85	1.10				0.00	-2.5 to 2.5	Pass
	50	3.85	1.30				0.00	-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	3.27	1.12	0.00	-2.5 to 2.5	Pass
					3.85	2.25	0.00	-2.5 to 2.5	Pass
					4.43	-0.89	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.69	-0.00	-2.5 to 2.5	Pass
				-20	3.85	0.50	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.72	0.00	-2.5 to 2.5	Pass
				0	3.85	1.66	0.00	-2.5 to 2.5	Pass



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16QAM	707.5	15	0	10	3.85	-0.49	-0.00	-2.5 to 2.5	Pass
				30	3.85	0.40	0.00	-2.5 to 2.5	Pass
				40	3.85	1.79	0.00	-2.5 to 2.5	Pass
				50	3.85	2.40	0.00	-2.5 to 2.5	Pass
				20	3.27	0.82	0.00	-2.5 to 2.5	Pass
					3.85	2.66	0.00	-2.5 to 2.5	Pass
					4.43	1.76	0.00	-2.5 to 2.5	Pass
				-30	3.85	0.76	0.00	-2.5 to 2.5	Pass
				-20	3.85	2.92	0.00	-2.5 to 2.5	Pass
				-10	3.85	0.84	0.00	-2.5 to 2.5	Pass
				0	3.85	1.86	0.00	-2.5 to 2.5	Pass
				10	3.85	0.20	0.00	-2.5 to 2.5	Pass
	714.5	15	0	30	3.85	2.33	0.00	-2.5 to 2.5	Pass
				40	3.85	1.82	0.00	-2.5 to 2.5	Pass
				50	3.85	0.64	0.00	-2.5 to 2.5	Pass
				20	3.27	0.57	0.00	-2.5 to 2.5	Pass
					3.85	1.95	0.00	-2.5 to 2.5	Pass
					4.43	4.52	0.01	-2.5 to 2.5	Pass
				-30	3.85	3.91	0.01	-2.5 to 2.5	Pass
				-20	3.85	4.29	0.01	-2.5 to 2.5	Pass
				-10	3.85	3.42	0.00	-2.5 to 2.5	Pass
				0	3.85	2.93	0.00	-2.5 to 2.5	Pass
				10	3.85	1.07	0.00	-2.5 to 2.5	Pass
16QAM	700.5	15	0	30	3.85	1.12	0.00	-2.5 to 2.5	Pass
				40	3.85	0.99	0.00	-2.5 to 2.5	Pass
				50	3.85	0.26	0.00	-2.5 to 2.5	Pass
				20	3.27	-0.63	-0.00	-2.5 to 2.5	Pass
					3.85	1.60	0.00	-2.5 to 2.5	Pass
					4.43	1.95	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.79	0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.56	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.09	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.62	-0.00	-2.5 to 2.5	Pass
				10	3.85	0.82	0.00	-2.5 to 2.5	Pass
				30	3.85	1.10	0.00	-2.5 to 2.5	Pass
	707.5	15	0	40	3.85	-0.72	-0.00	-2.5 to 2.5	Pass
				50	3.85	-1.03	-0.00	-2.5 to 2.5	Pass
				20	3.27	0.80	0.00	-2.5 to 2.5	Pass
					3.85	1.06	0.00	-2.5 to 2.5	Pass
					4.43	0.47	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.40	0.00	-2.5 to 2.5	Pass
				-20	3.85	2.70	0.00	-2.5 to 2.5	Pass
				-10	3.85	2.33	0.00	-2.5 to 2.5	Pass
				0	3.85	2.36	0.00	-2.5 to 2.5	Pass
				10	3.85	2.49	0.00	-2.5 to 2.5	Pass
				30	3.85	2.93	0.00	-2.5 to 2.5	Pass
				40	3.85	2.80	0.00	-2.5 to 2.5	Pass
				50	3.85	2.79	0.00	-2.5 to 2.5	Pass



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	714.5	15	0	20	3.27	3.65	0.01	-2.5 to 2.5	Pass
					3.85	3.69	0.01	-2.5 to 2.5	Pass
					4.43	3.35	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.68	0.00	-2.5 to 2.5	Pass
				-20	3.85	4.51	0.01	-2.5 to 2.5	Pass
				-10	3.85	4.48	0.01	-2.5 to 2.5	Pass
				0	3.85	4.35	0.01	-2.5 to 2.5	Pass
				10	3.85	3.86	0.01	-2.5 to 2.5	Pass
				30	3.85	2.47	0.00	-2.5 to 2.5	Pass
				40	3.85	1.75	0.00	-2.5 to 2.5	Pass
				50	3.85	1.90	0.00	-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	3.27	0.43	0.00	-2.5 to 2.5	Pass
					3.85	0.63	0.00	-2.5 to 2.5	Pass
					4.43	0.24	0.00	-2.5 to 2.5	Pass
				-30	3.85	0.93	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.99	0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.44	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.22	-0.00	-2.5 to 2.5	Pass
				10	3.85	-0.56	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.07	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.89	0.00	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-1.80	-0.00	-2.5 to 2.5	Pass
					3.85	-0.92	-0.00	-2.5 to 2.5	Pass
					4.43	0.77	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.52	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.62	0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.32	-0.00	-2.5 to 2.5	Pass
				0	3.85	0.06	0.00	-2.5 to 2.5	Pass
				10	3.85	2.35	0.00	-2.5 to 2.5	Pass
				30	3.85	0.06	0.00	-2.5 to 2.5	Pass
				40	3.85	-0.03	0.00	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.73	-0.00	-2.5 to 2.5	Pass
					3.85	1.23	0.00	-2.5 to 2.5	Pass
					4.43	1.12	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.34	0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.50	-0.00	-2.5 to 2.5	Pass



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				-10	3.85	1.57	0.00	-2.5 to 2.5	Pass
				0	3.85	2.30	0.00	-2.5 to 2.5	Pass
				10	3.85	2.26	0.00	-2.5 to 2.5	Pass
				30	3.85	1.14	0.00	-2.5 to 2.5	Pass
				40	3.85	0.11	0.00	-2.5 to 2.5	Pass
				50	3.85	-0.16	-0.00	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	0.03	0.00	-2.5 to 2.5	Pass
					3.85	1.26	0.00	-2.5 to 2.5	Pass
					4.43	1.36	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.44	0.00	-2.5 to 2.5	Pass
				-20	3.85	1.06	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.60	0.00	-2.5 to 2.5	Pass
				0	3.85	2.19	0.00	-2.5 to 2.5	Pass
				10	3.85	1.63	0.00	-2.5 to 2.5	Pass
				30	3.85	1.09	0.00	-2.5 to 2.5	Pass
				40	3.85	-0.80	-0.00	-2.5 to 2.5	Pass
				50	3.85	-1.10	-0.00	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	1.60	0.00	-2.5 to 2.5	Pass
					3.85	1.37	0.00	-2.5 to 2.5	Pass
					4.43	2.76	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.26	0.00	-2.5 to 2.5	Pass
				-20	3.85	1.00	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.96	0.00	-2.5 to 2.5	Pass
				0	3.85	0.49	0.00	-2.5 to 2.5	Pass
				10	3.85	2.27	0.00	-2.5 to 2.5	Pass
				30	3.85	0.62	0.00	-2.5 to 2.5	Pass
				40	3.85	1.17	0.00	-2.5 to 2.5	Pass
				50	3.85	-0.40	-0.00	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.43	-0.00	-2.5 to 2.5	Pass
					3.85	-1.66	-0.00	-2.5 to 2.5	Pass
					4.43	1.59	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.66	0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.72	-0.00	-2.5 to 2.5	Pass
				-10	3.85	1.87	0.00	-2.5 to 2.5	Pass
				0	3.85	1.83	0.00	-2.5 to 2.5	Pass
				10	3.85	1.10	0.00	-2.5 to 2.5	Pass
				30	3.85	-0.43	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.99	-0.00	-2.5 to 2.5	Pass
				50	3.85	0.49	0.00	-2.5 to 2.5	Pass

2.4 B12_10MHz

2.4.1 Test Result

Band: 12 / Bandwidth: 10MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict



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	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	704	50	0	20	3.27	1.70	0.00	-2.5 to 2.5	Pass
					3.85	-0.27	-0.00	-2.5 to 2.5	Pass
					4.43	0.13	0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.79	-0.00	-2.5 to 2.5	Pass
				-20	3.85	1.09	0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.49	-0.00	-2.5 to 2.5	Pass
				0	3.85	0.13	0.00	-2.5 to 2.5	Pass
				10	3.85	-0.96	-0.00	-2.5 to 2.5	Pass
				30	3.85	2.00	0.00	-2.5 to 2.5	Pass
				40	3.85	-0.46	-0.00	-2.5 to 2.5	Pass
				50	3.85	0.34	0.00	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	0.07	0.00	-2.5 to 2.5	Pass
					3.85	-1.16	-0.00	-2.5 to 2.5	Pass
					4.43	1.29	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.16	0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.83	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.09	-0.00	-2.5 to 2.5	Pass
				0	3.85	0.04	0.00	-2.5 to 2.5	Pass
				10	3.85	-1.54	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.47	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.34	-0.00	-2.5 to 2.5	Pass
				50	3.85	1.42	0.00	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-0.86	-0.00	-2.5 to 2.5	Pass
					3.85	-0.74	-0.00	-2.5 to 2.5	Pass
					4.43	-0.57	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.33	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.63	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.36	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.37	-0.00	-2.5 to 2.5	Pass
				10	3.85	-0.54	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.63	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.74	-0.00	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	2.02	0.00	-2.5 to 2.5	Pass
					3.85	2.45	0.00	-2.5 to 2.5	Pass
					4.43	1.96	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.46	0.00	-2.5 to 2.5	Pass
				-20	3.85	1.07	0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.03	0.00	-2.5 to 2.5	Pass
				0	3.85	3.08	0.00	-2.5 to 2.5	Pass
				10	3.85	2.65	0.00	-2.5 to 2.5	Pass
				30	3.85	2.05	0.00	-2.5 to 2.5	Pass
				40	3.85	1.62	0.00	-2.5 to 2.5	Pass
				50	3.85	0.44	0.00	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-1.93	-0.00	-2.5 to 2.5	Pass
					3.85	-2.05	-0.00	-2.5 to 2.5	Pass
					4.43	0.84	0.00	-2.5 to 2.5	Pass



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				-30	3.85	0.76	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.13	0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.72	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.72	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.26	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.96	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.43	0.00	-2.5 to 2.5	Pass
				50	3.85	-0.30	-0.00	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.49	0.00	-2.5 to 2.5	Pass
					3.85	0.03	0.00	-2.5 to 2.5	Pass
					4.43	-1.97	-0.00	-2.5 to 2.5	Pass
				-30	3.85	0.09	0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.31	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.76	-0.00	-2.5 to 2.5	Pass
				0	3.85	0.83	0.00	-2.5 to 2.5	Pass
				10	3.85	-0.23	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.56	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.89	-0.00	-2.5 to 2.5	Pass
				50	3.85	0.34	0.00	-2.5 to 2.5	Pass



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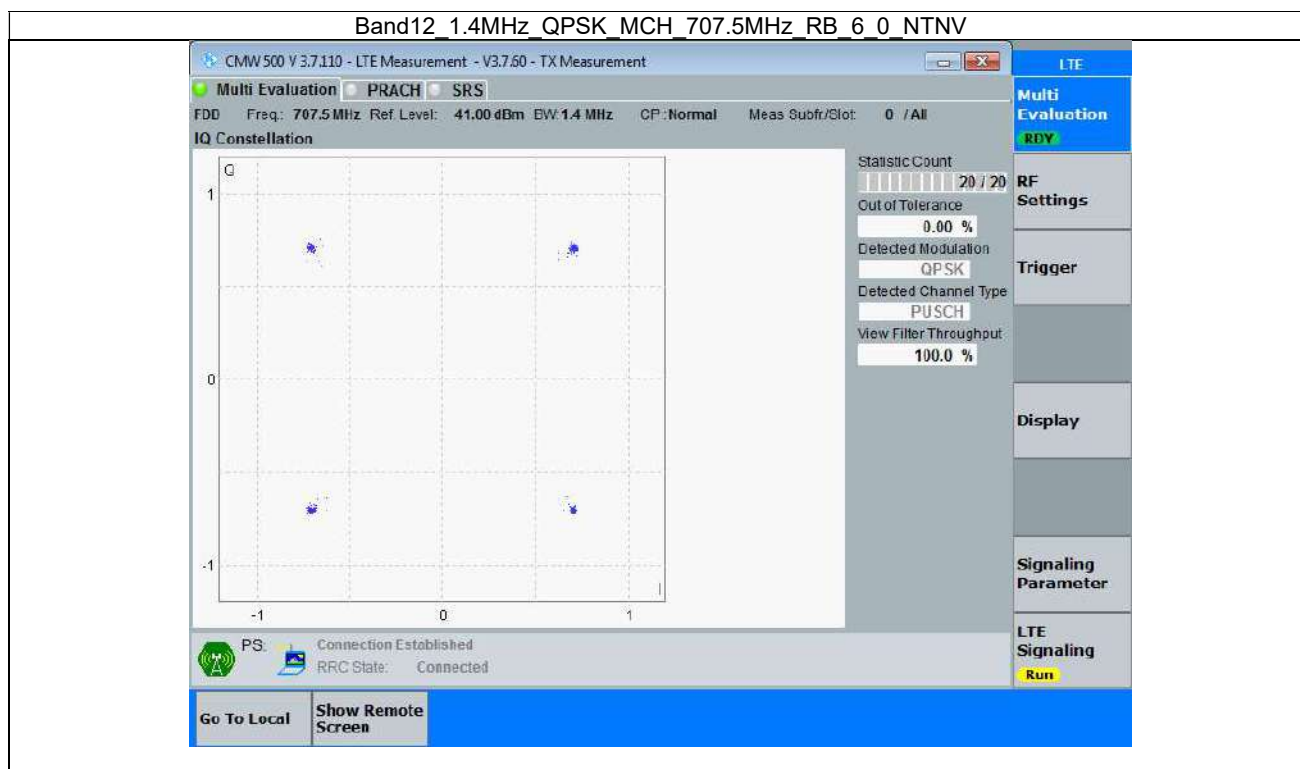
3. Modulation Characteristics

3.1 B12_1.4MHz

3.1.1 Test Result

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

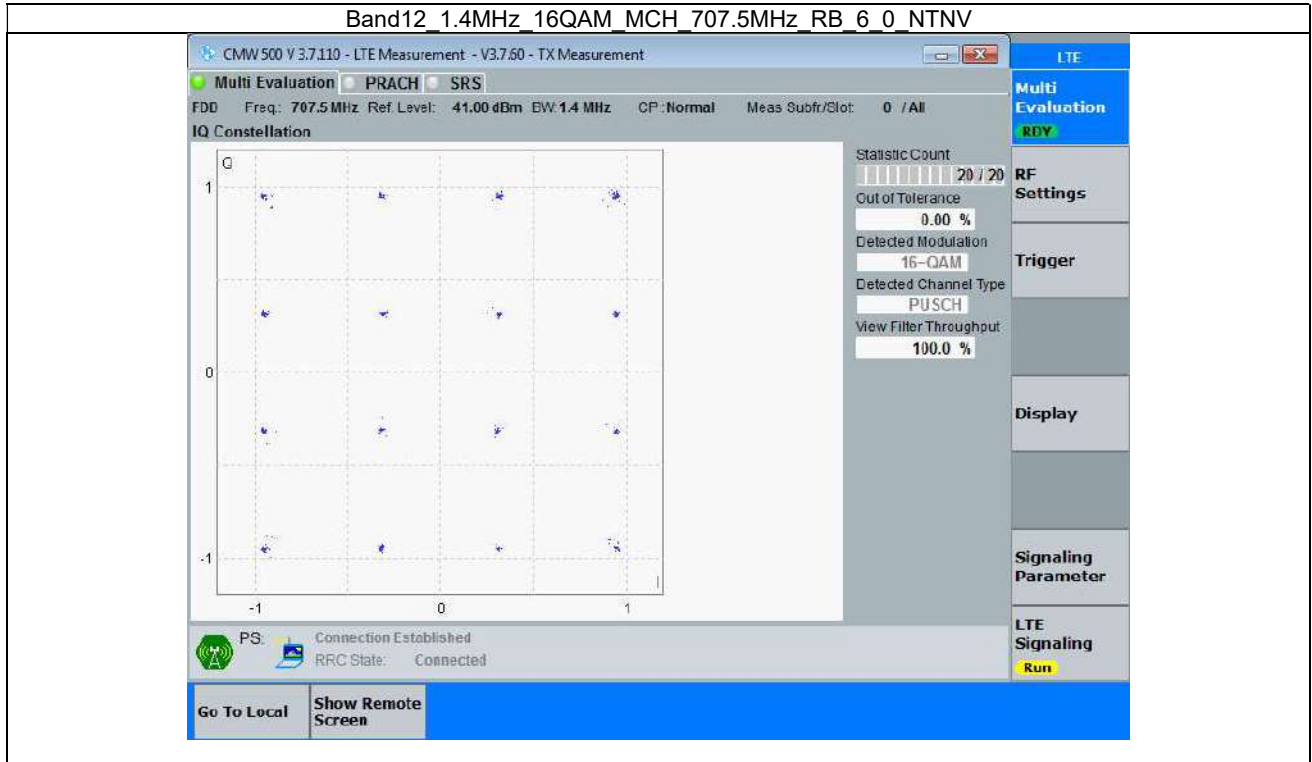
3.1.2 Test Graph



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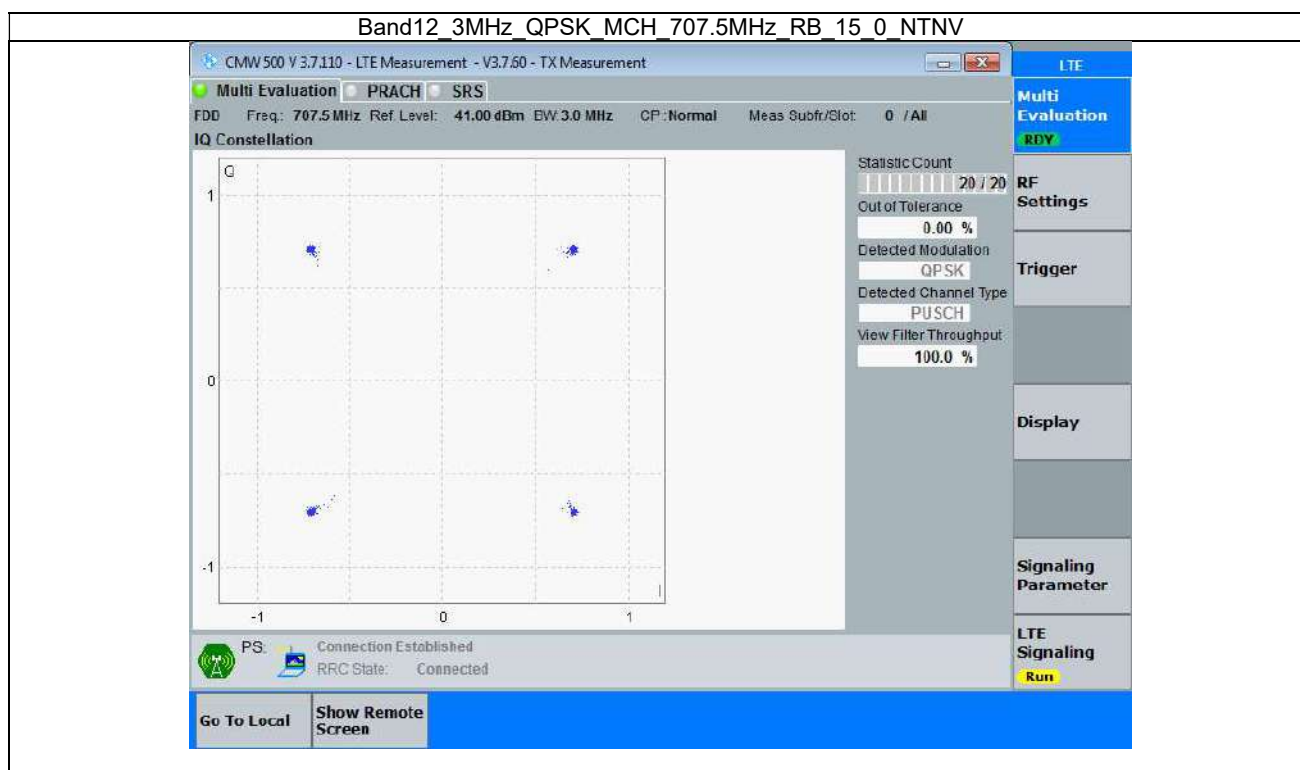
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3.2 B12_3MHz

3.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTN						
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

3.2.2 Test Graph

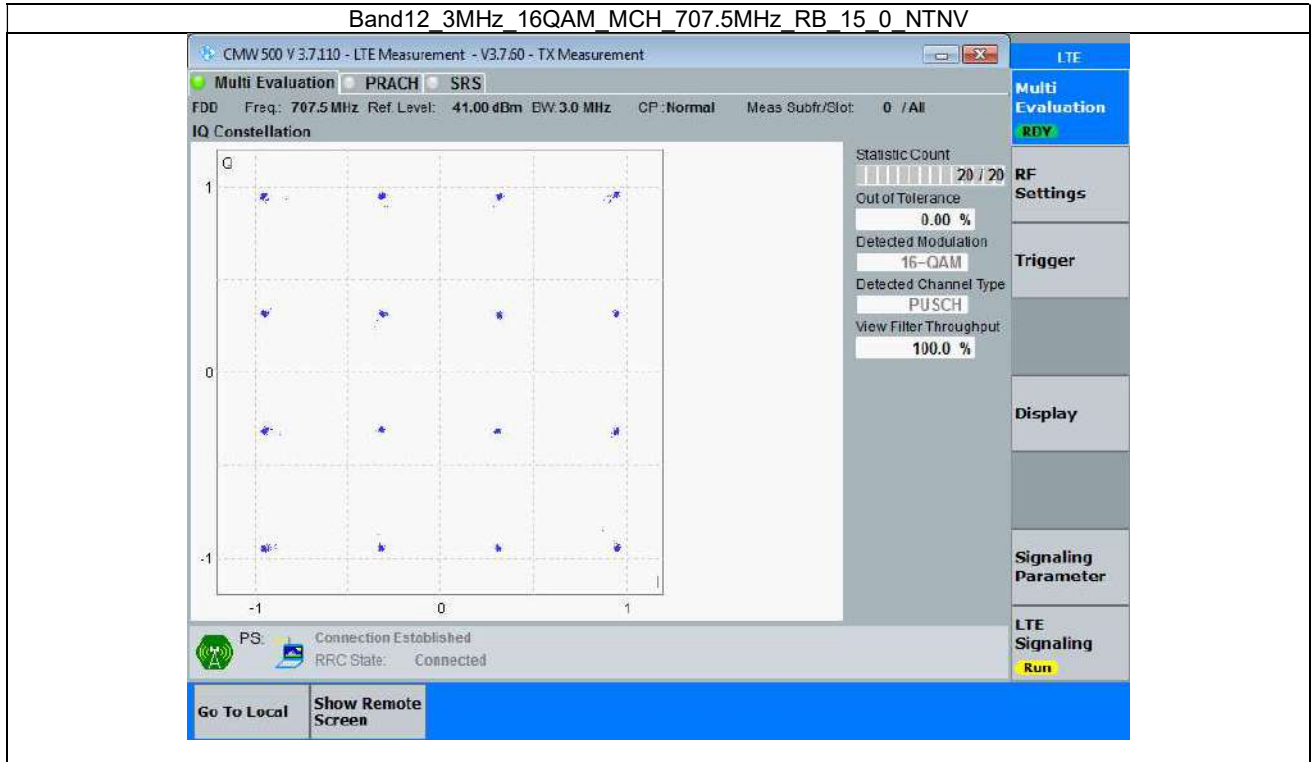


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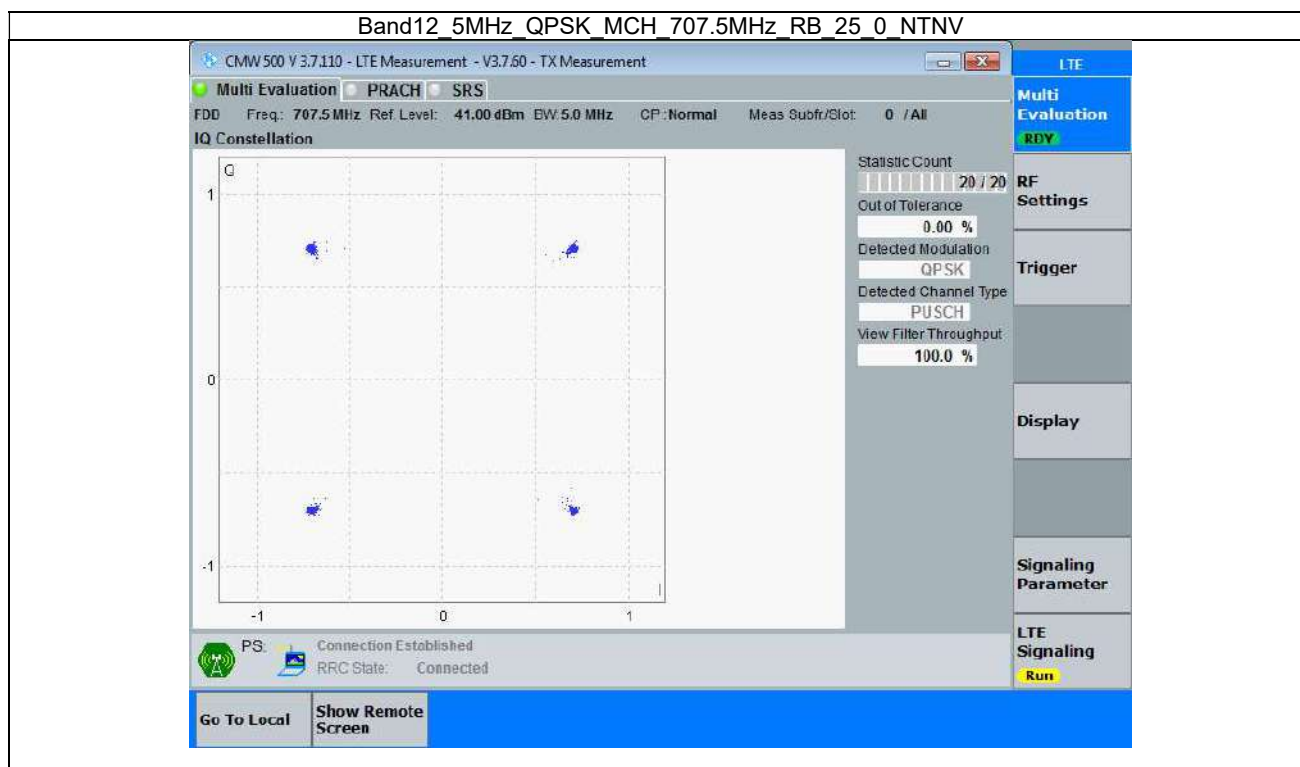
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3.3 B12_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph

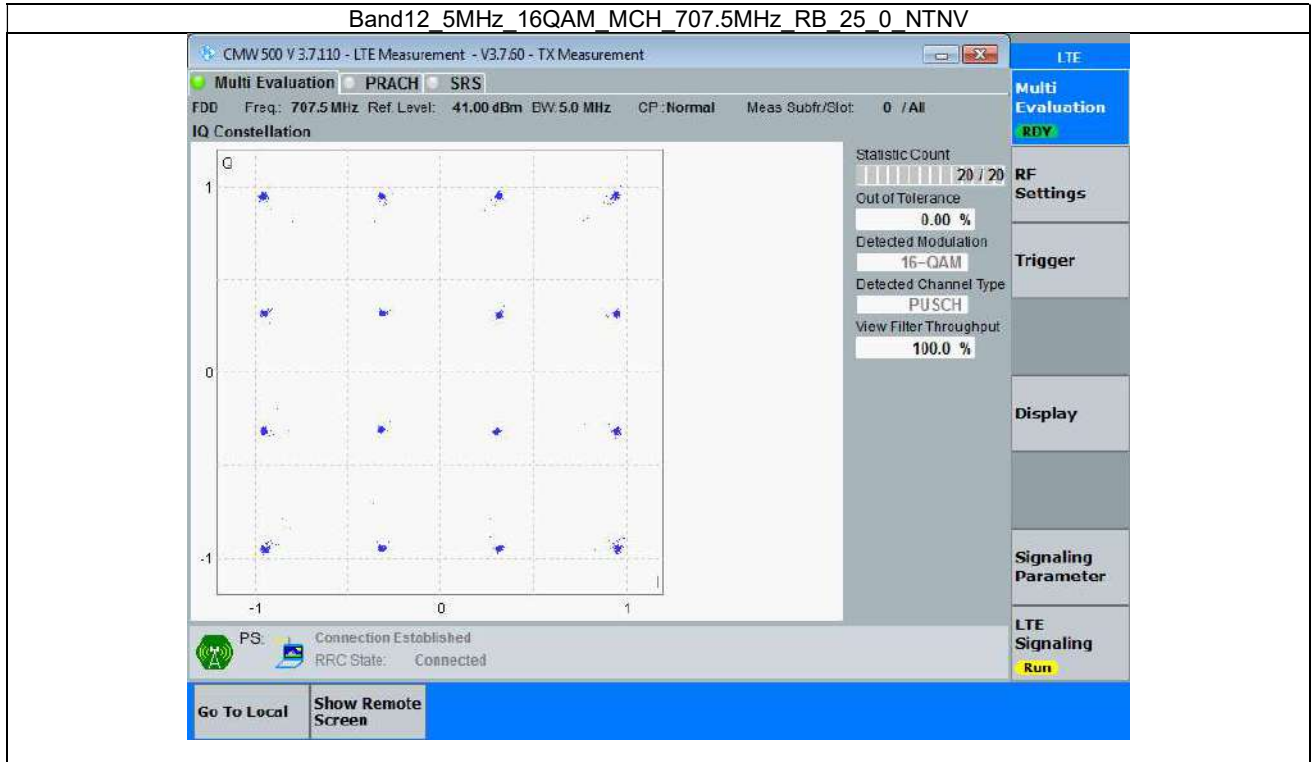


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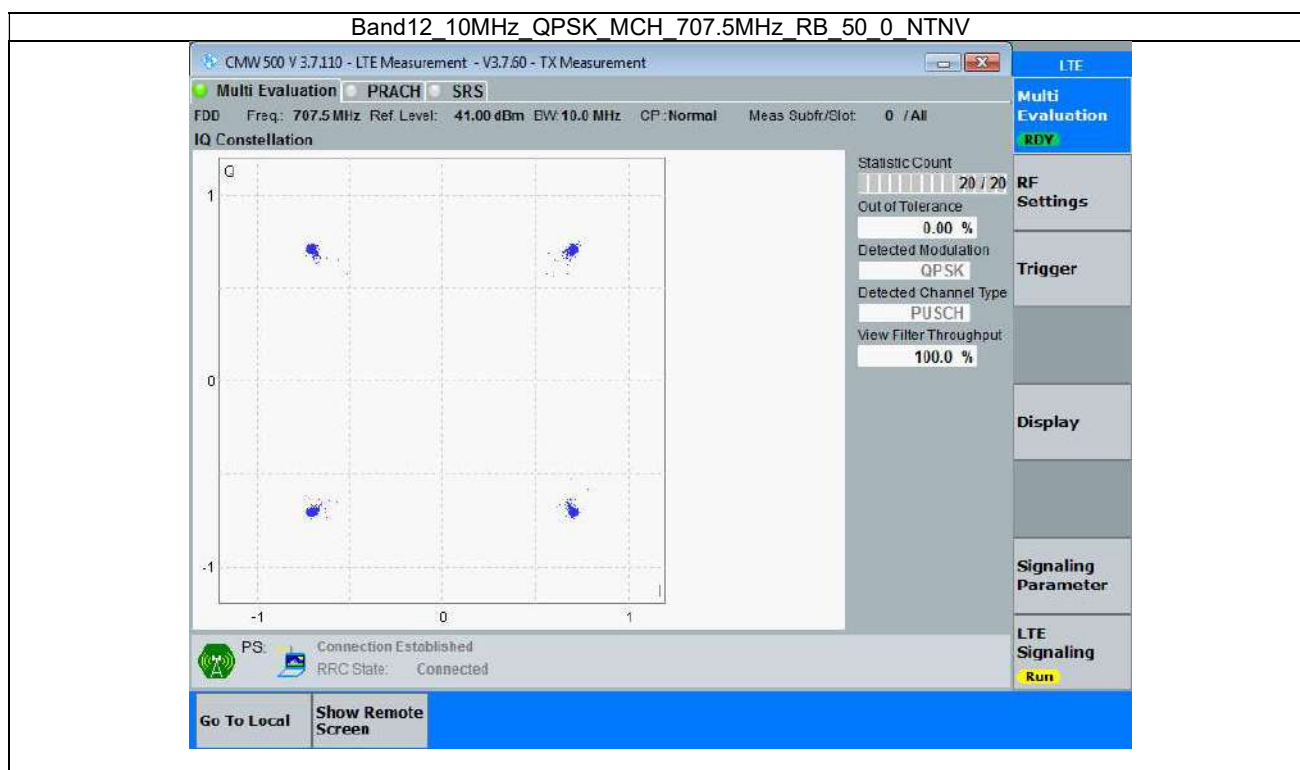
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3.4 B12_10MHz

3.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTN						
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

3.4.2 Test Graph

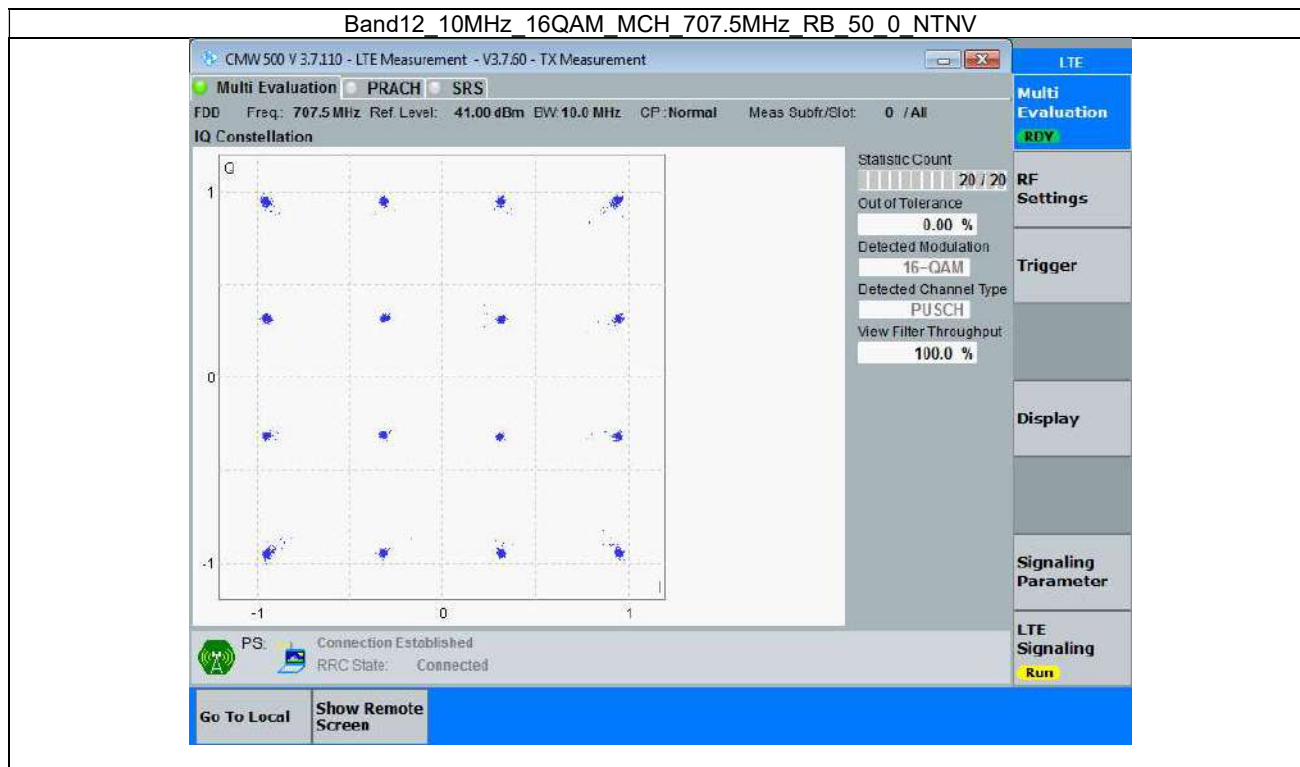


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4. 99% & 26dB Bandwidth

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	Result	
1.4	QPSK	699.7	6	0	1.114	Pass
		707.5	6	0	1.113	Pass
		715.3	6	0	1.120	Pass
	16QAM	699.7	6	0	1.120	Pass
		707.5	6	0	1.115	Pass
		715.3	6	0	1.114	Pass
3	QPSK	700.5	15	0	2.749	Pass
		707.5	15	0	2.749	Pass
		714.5	15	0	2.753	Pass
	16QAM	700.5	15	0	2.753	Pass
		707.5	15	0	2.735	Pass
		714.5	15	0	2.738	Pass
5	QPSK	701.5	25	0	4.549	Pass
		707.5	25	0	4.556	Pass
		713.5	25	0	4.564	Pass
	16QAM	701.5	25	0	4.576	Pass
		707.5	25	0	4.582	Pass
		713.5	25	0	4.550	Pass
10	QPSK	704	50	0	9.045	Pass
		707.5	50	0	9.103	Pass
		711	50	0	9.017	Pass
	16QAM	704	50	0	9.032	Pass
		707.5	50	0	9.090	Pass
		711	50	0	9.039	Pass



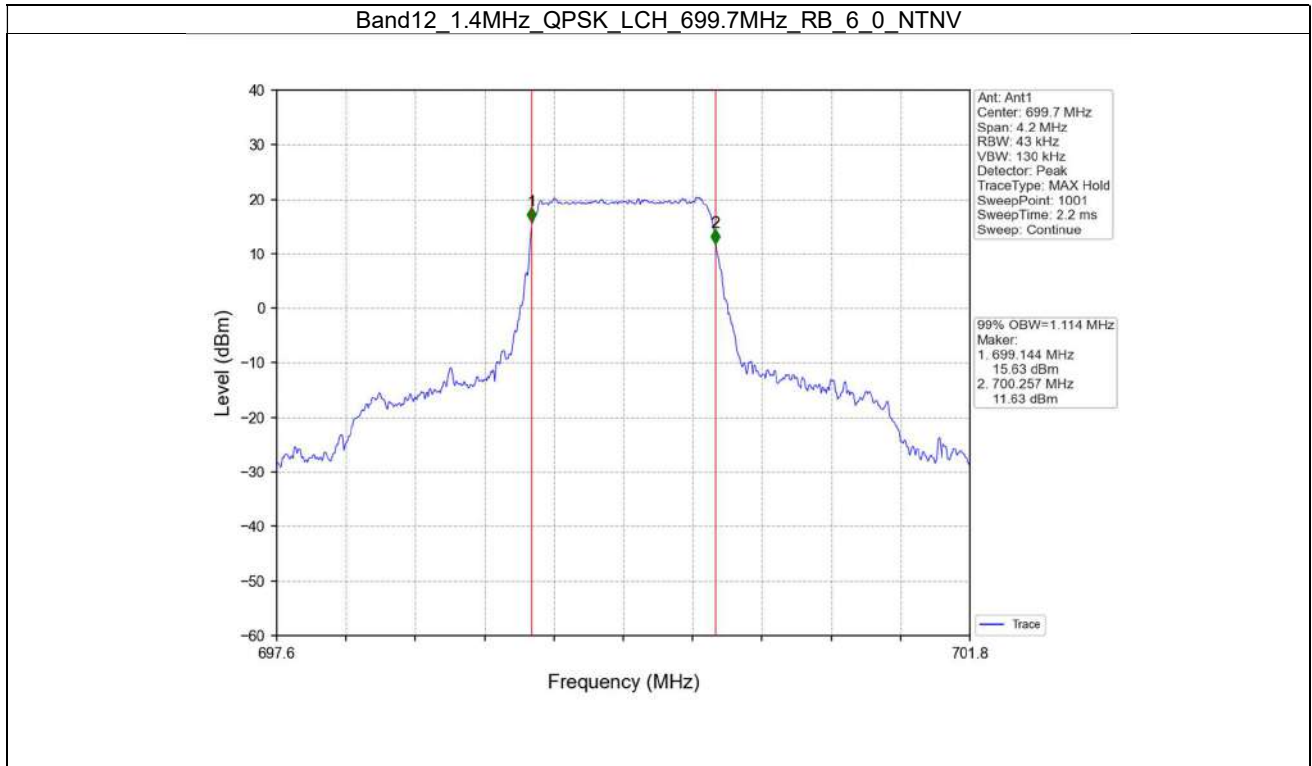
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4.1.2 Test Graph



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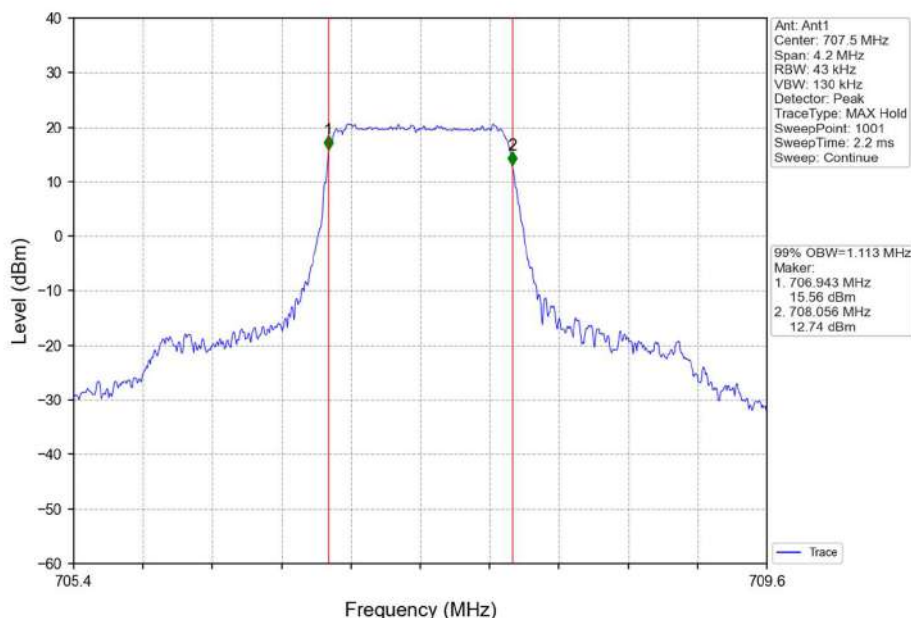
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Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



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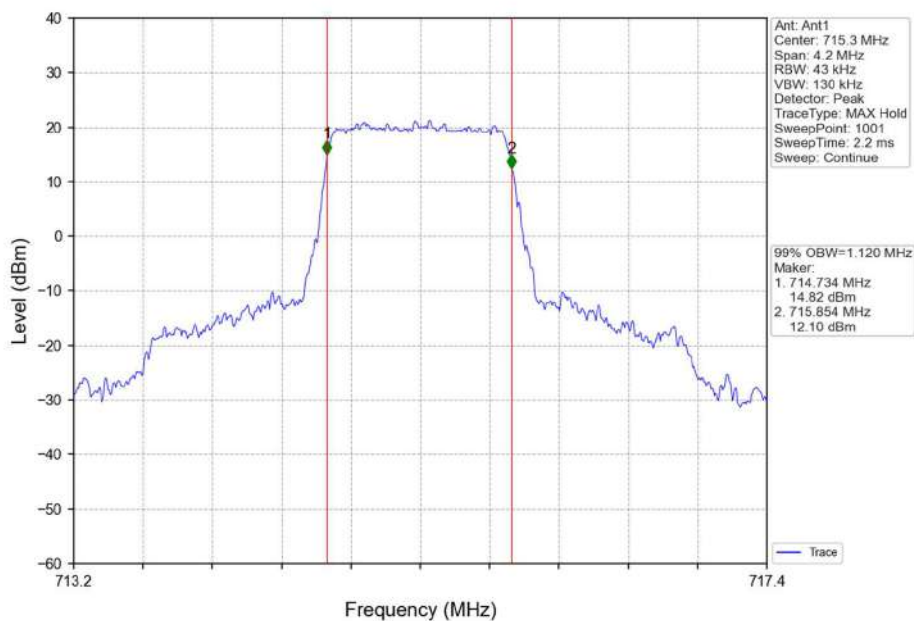
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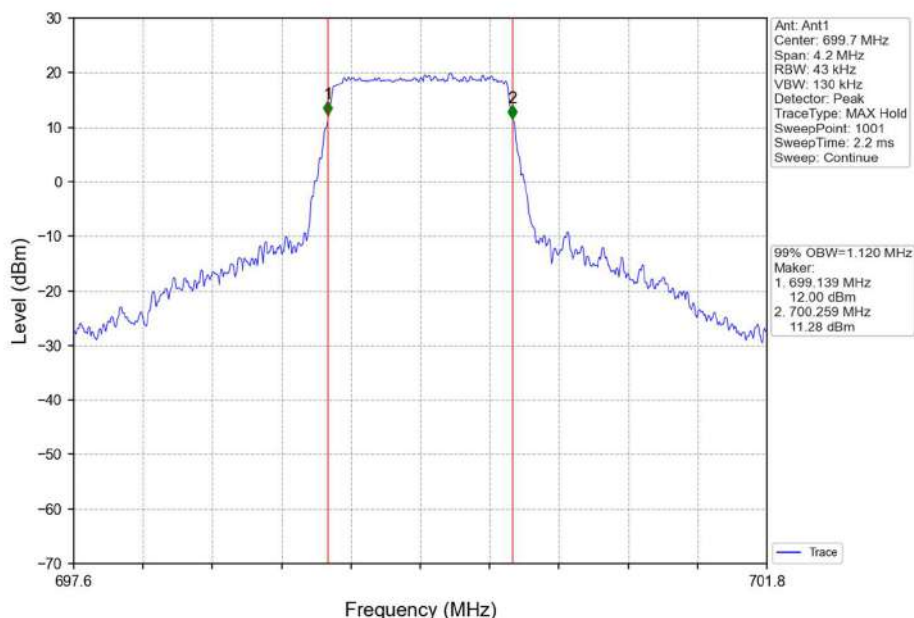
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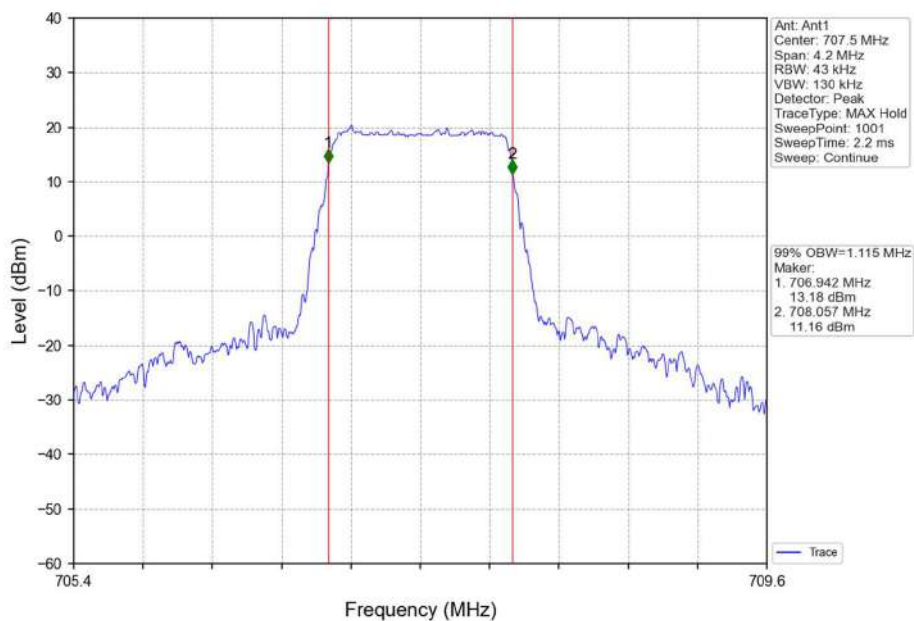
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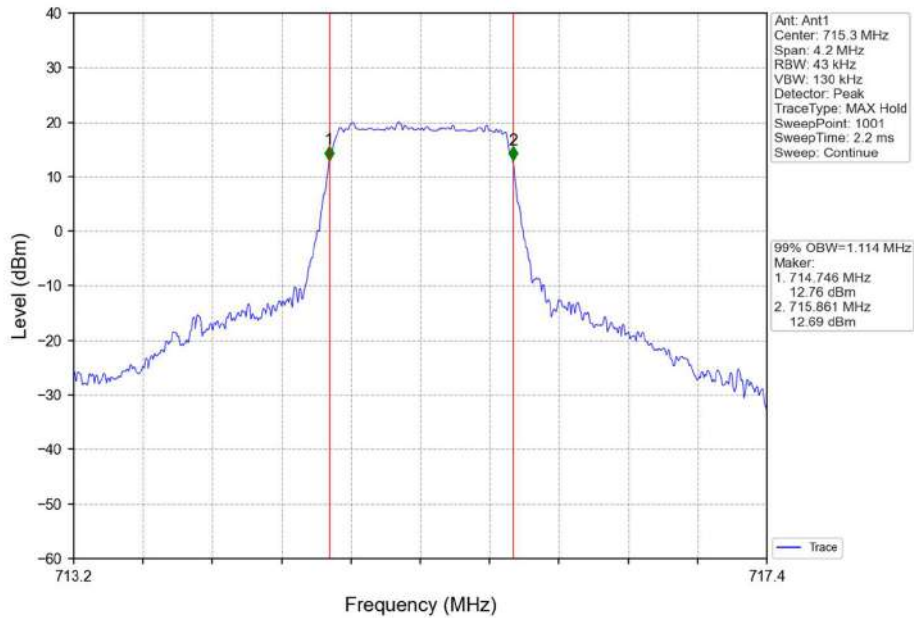
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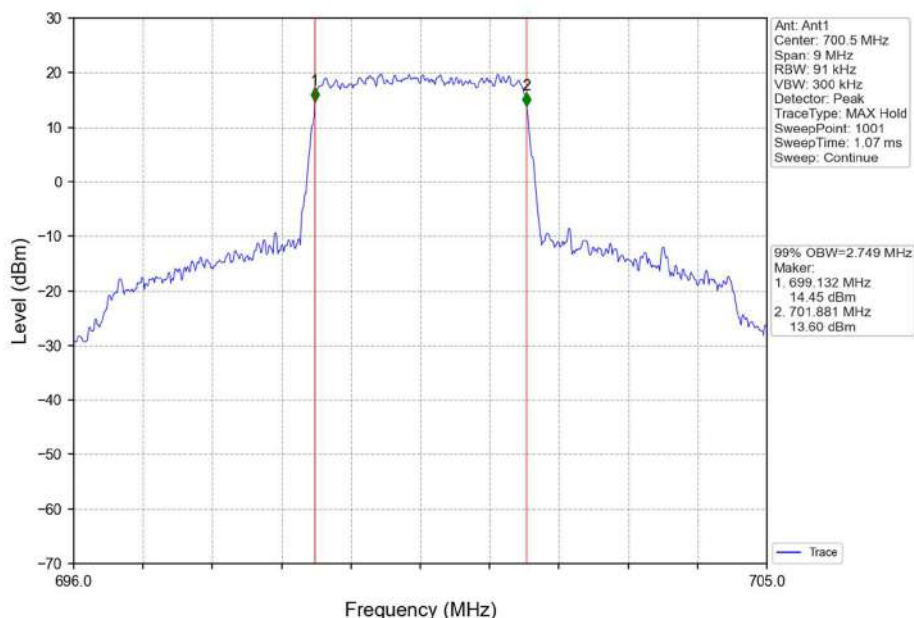
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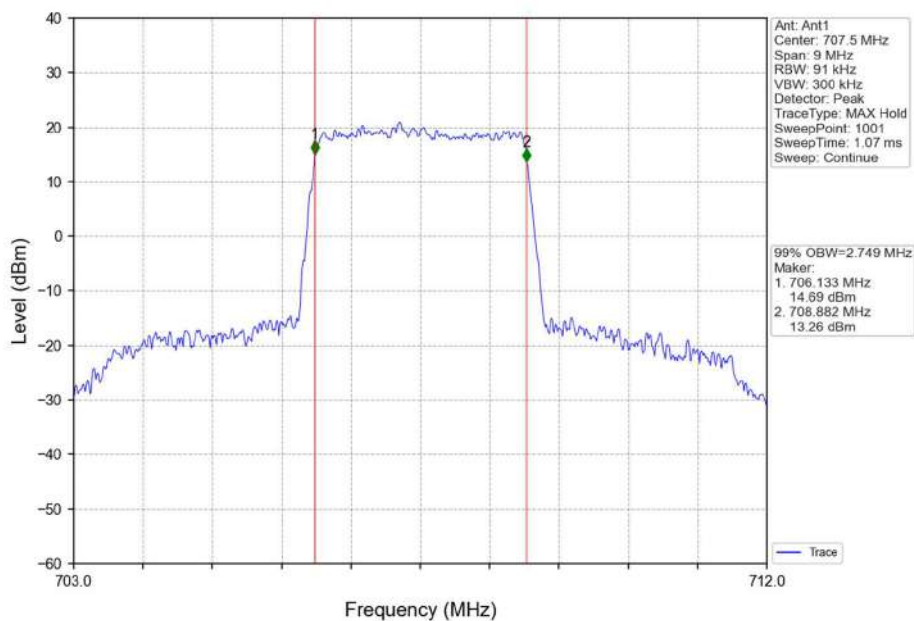
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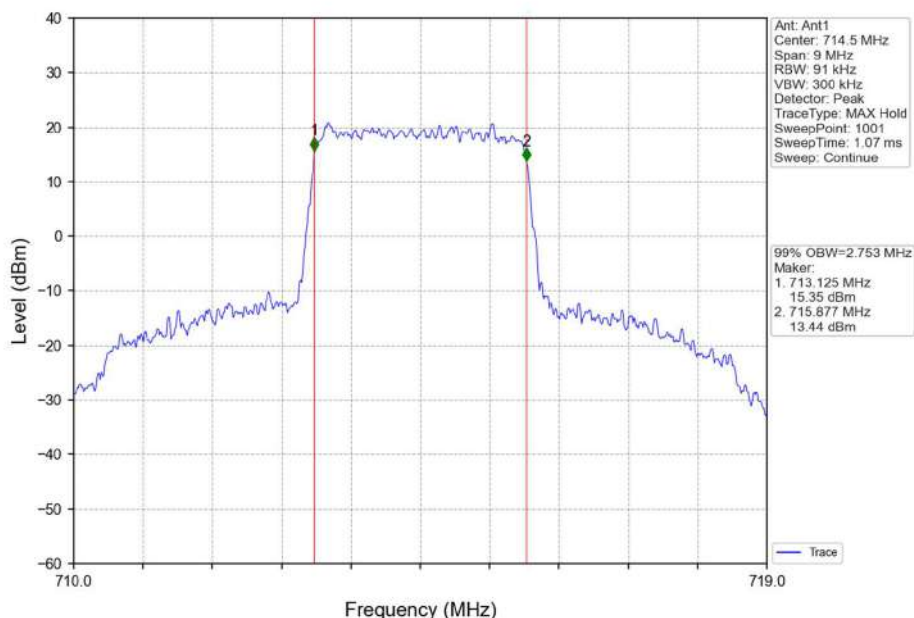
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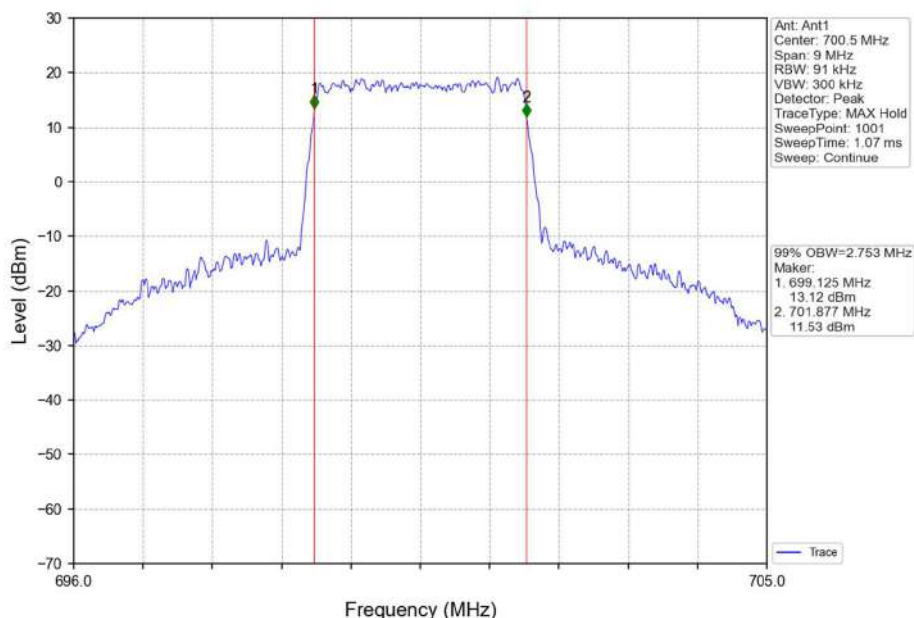
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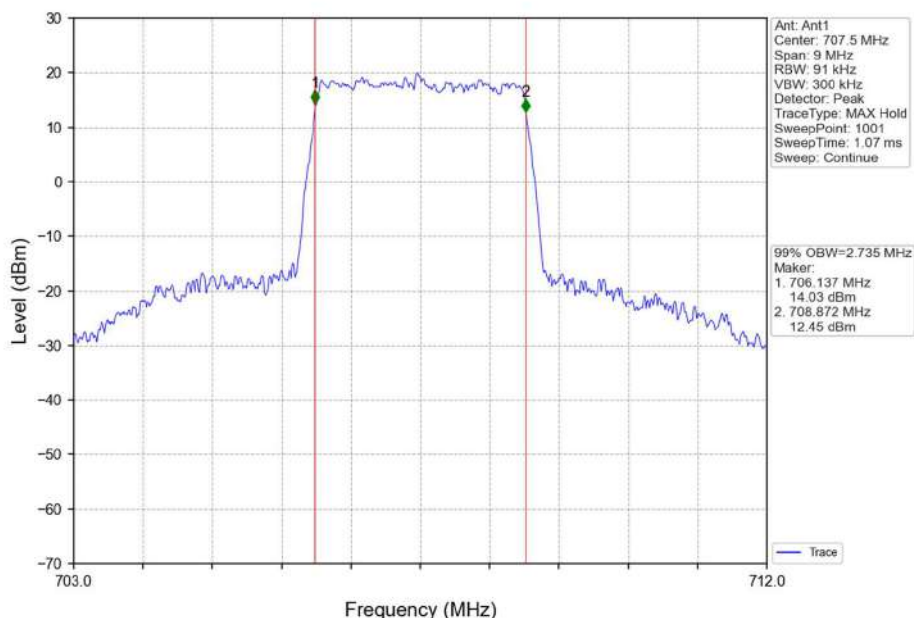
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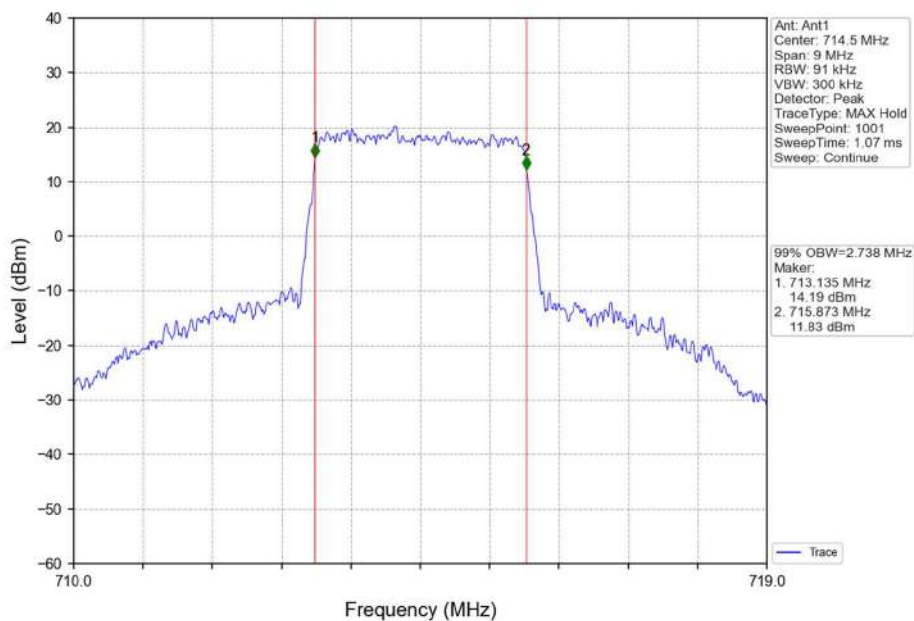
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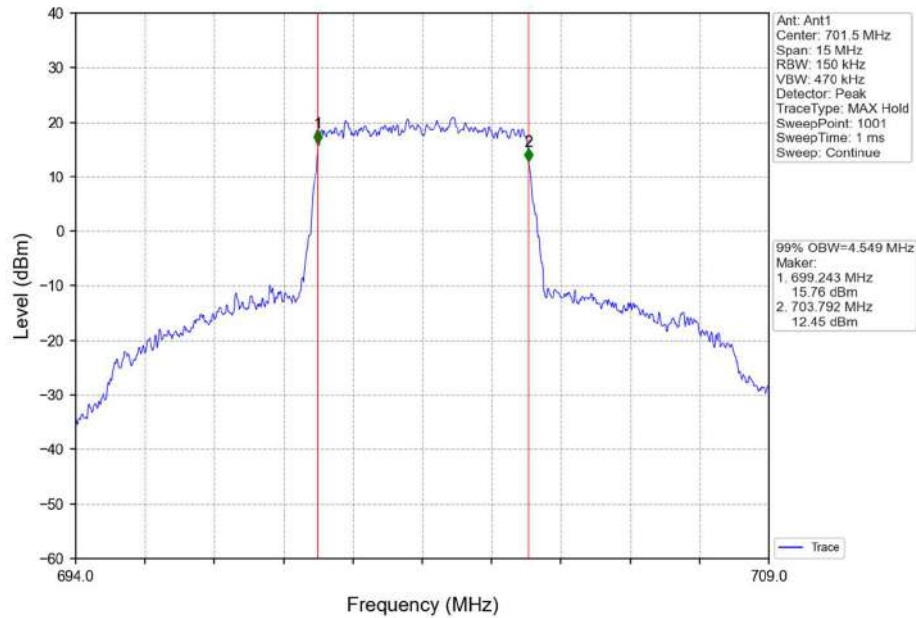
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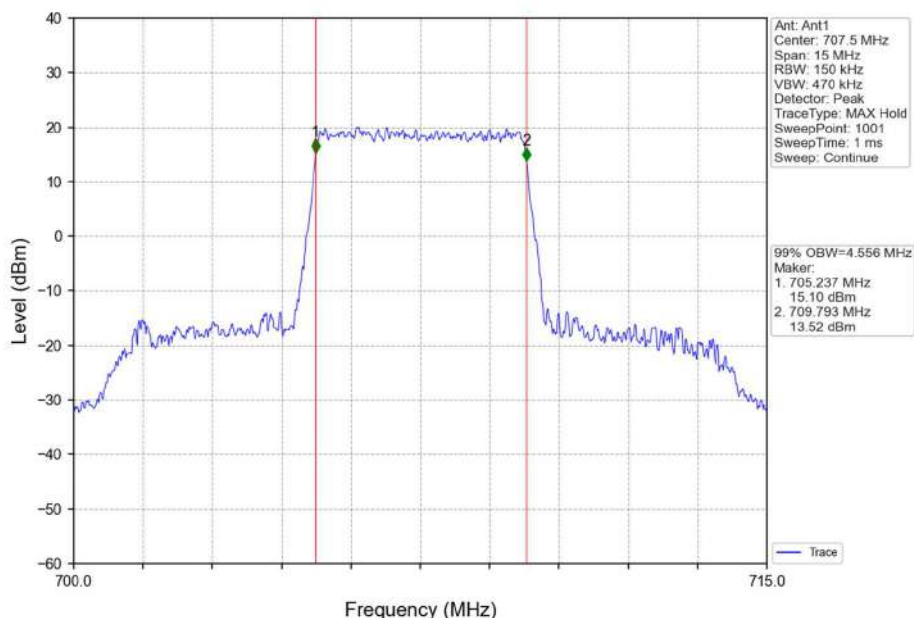
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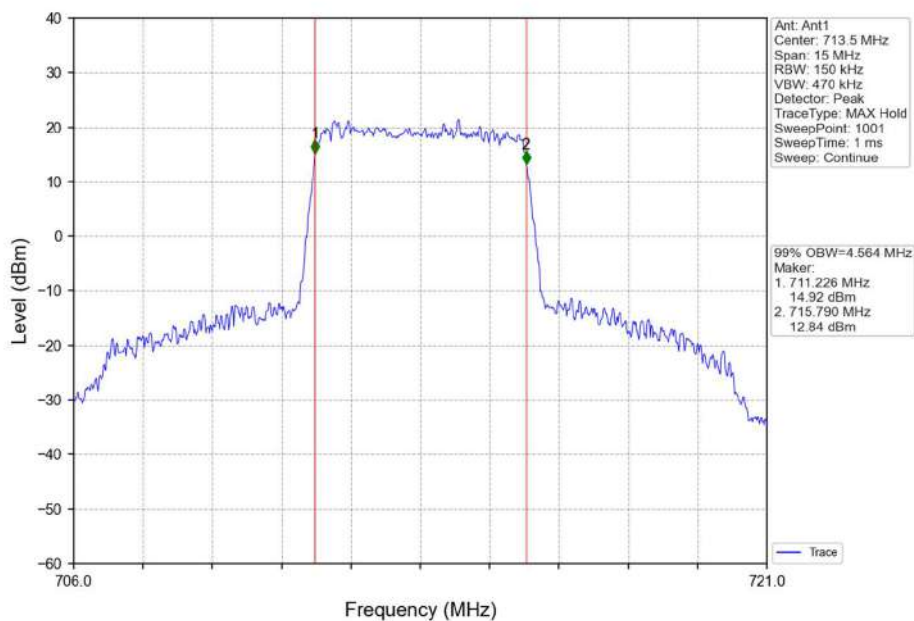
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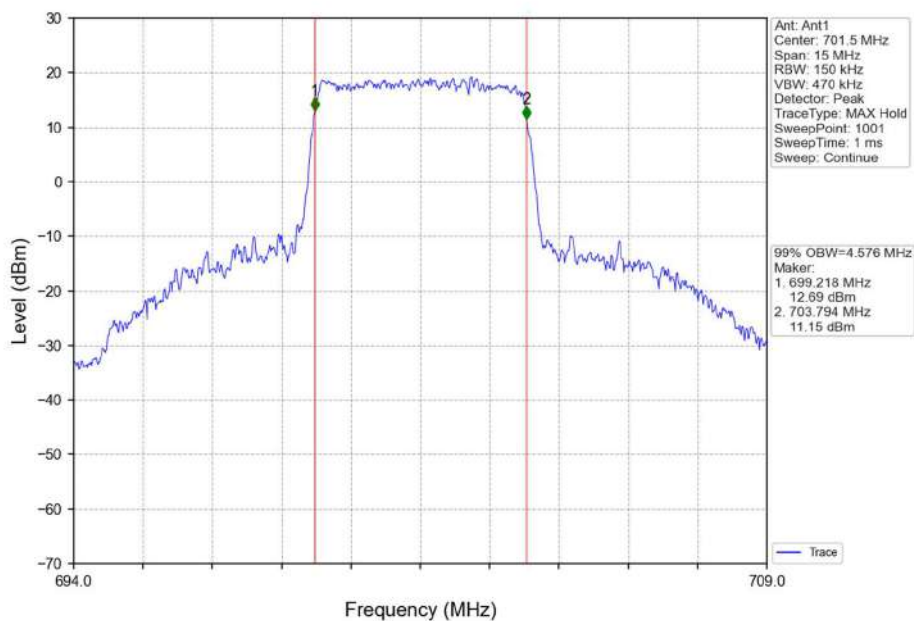
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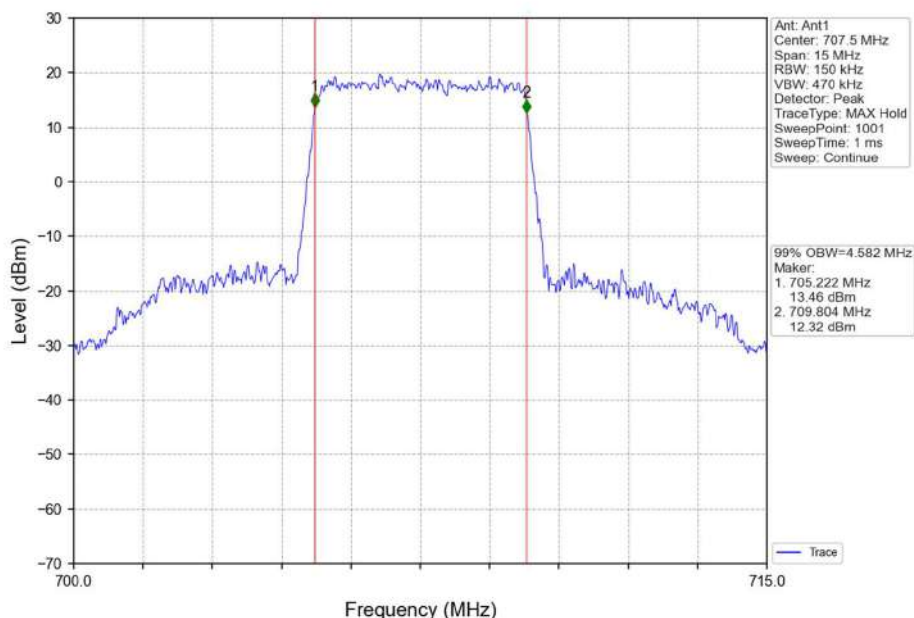
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Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



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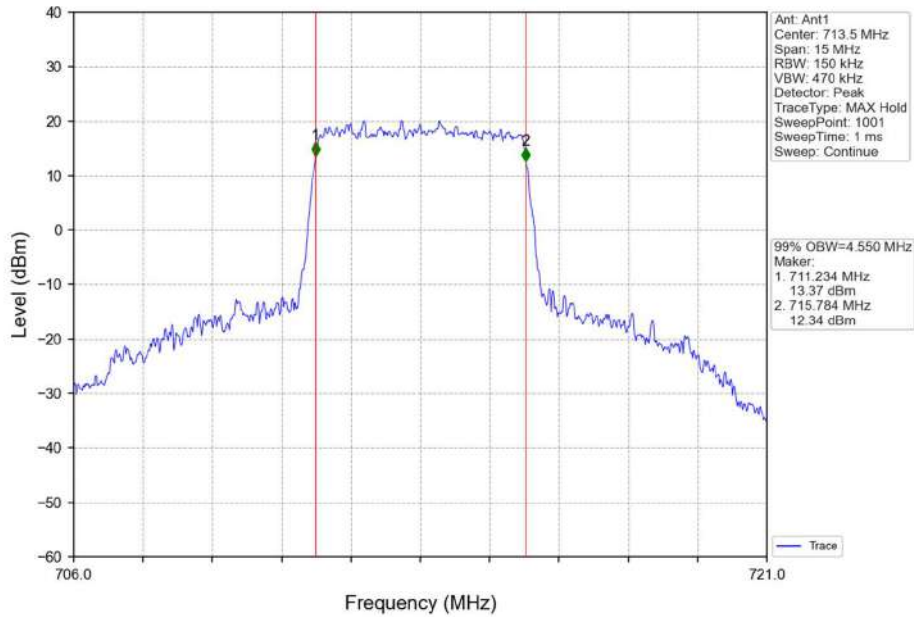
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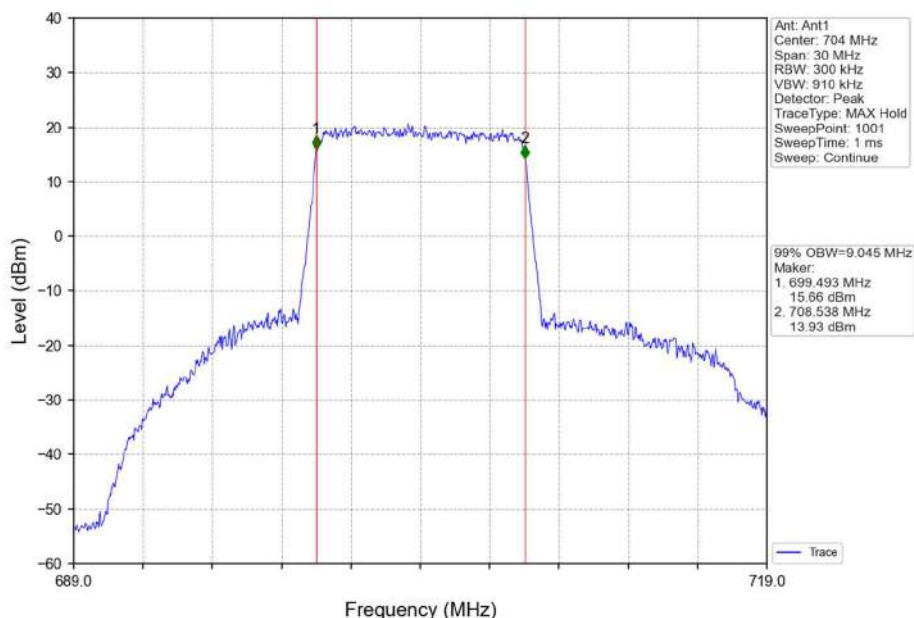
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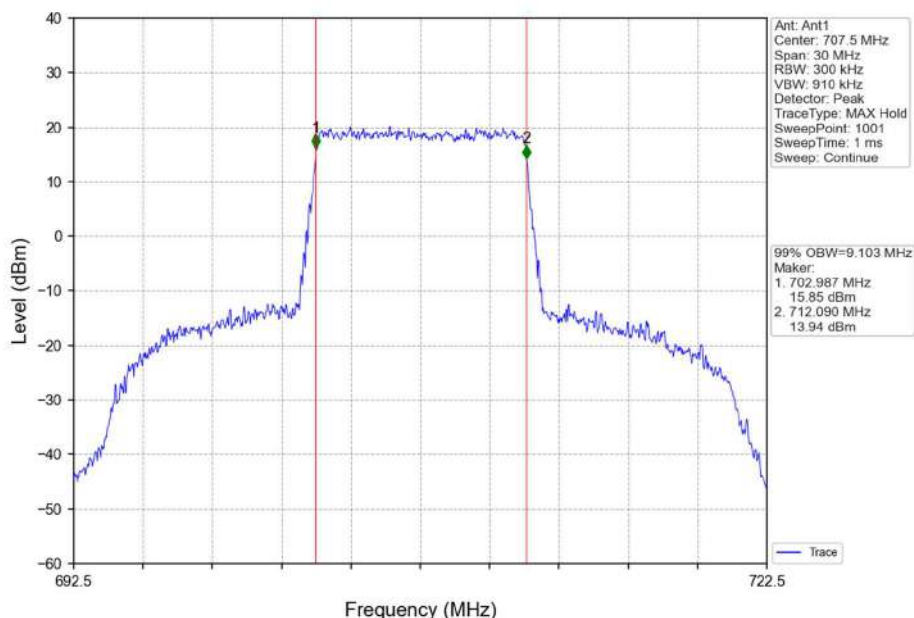
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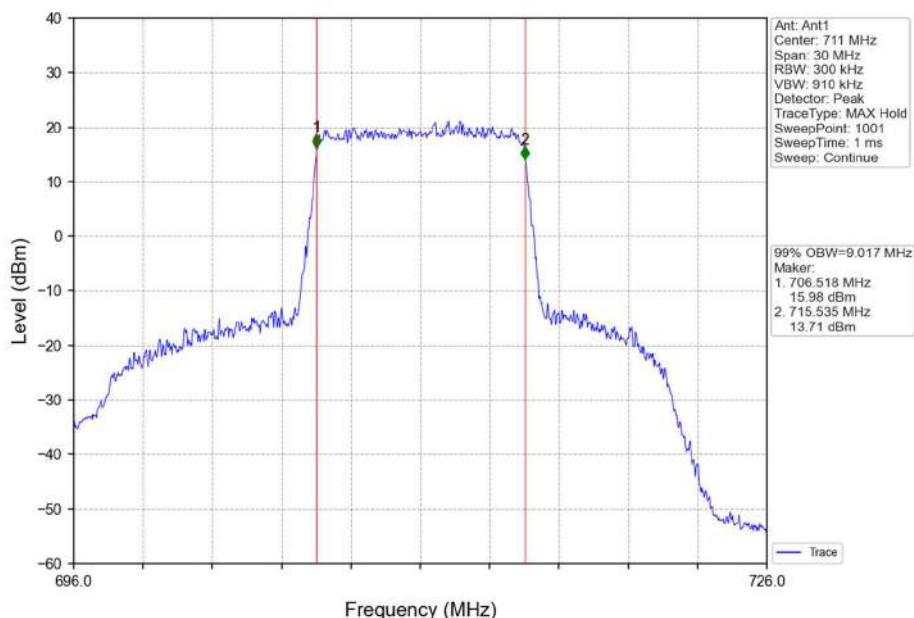
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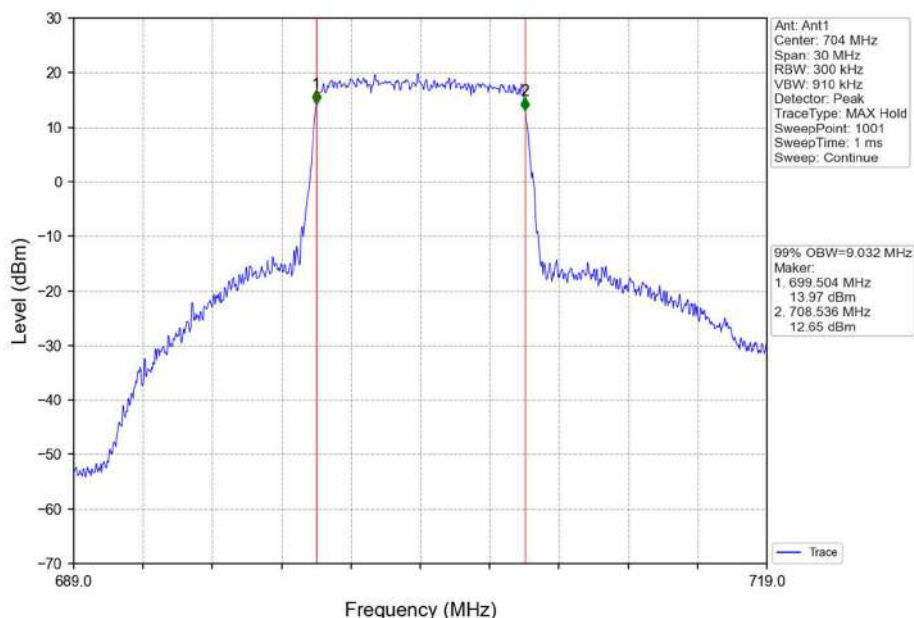
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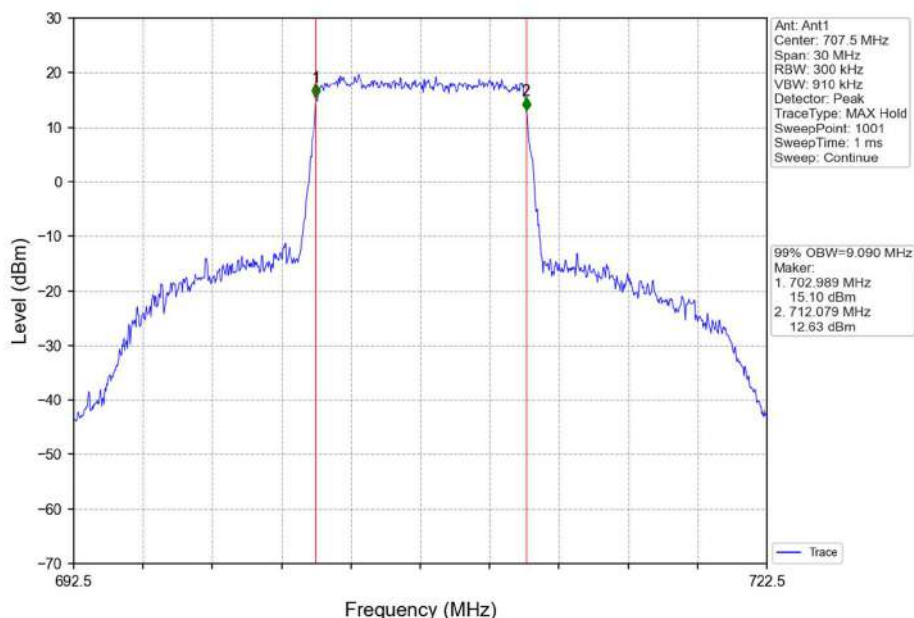
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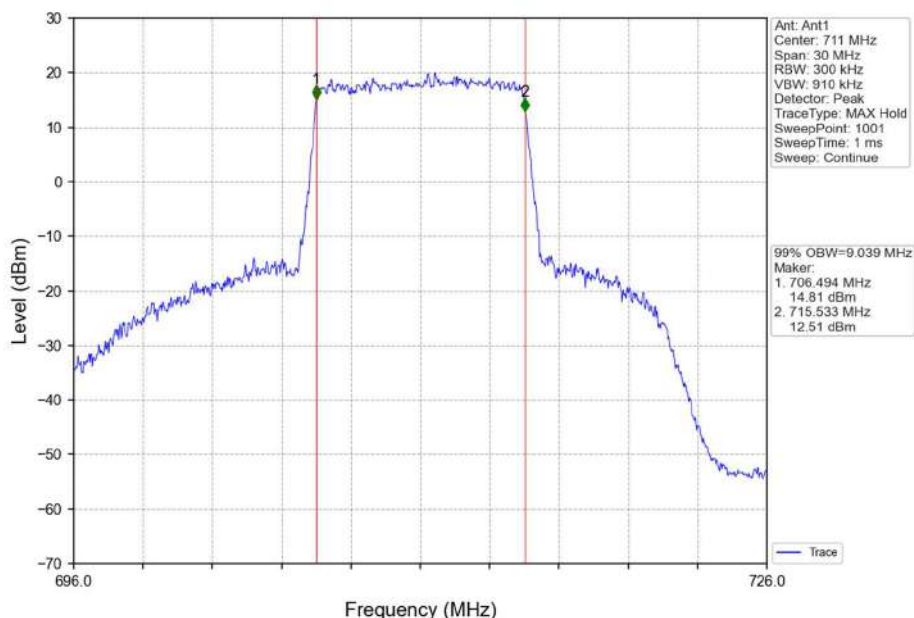
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4.2 Band12_XDB

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	1.346	Pass
		707.5	6	0	1.322	Pass
		715.3	6	0	1.331	Pass
	16QAM	699.7	6	0	1.332	Pass
		707.5	6	0	1.341	Pass
		715.3	6	0	1.337	Pass
3	QPSK	700.5	15	0	3.069	Pass
		707.5	15	0	3.063	Pass
		714.5	15	0	3.041	Pass
	16QAM	700.5	15	0	3.077	Pass
		707.5	15	0	3.058	Pass
		714.5	15	0	3.055	Pass
5	QPSK	701.5	25	0	5.091	Pass
		707.5	25	0	5.129	Pass
		713.5	25	0	5.058	Pass
	16QAM	701.5	25	0	5.076	Pass
		707.5	25	0	5.061	Pass
		713.5	25	0	5.027	Pass
10	QPSK	704	50	0	10.009	Pass
		707.5	50	0	10.221	Pass
		711	50	0	10.030	Pass
	16QAM	704	50	0	9.956	Pass
		707.5	50	0	10.062	Pass
		711	50	0	10.019	Pass



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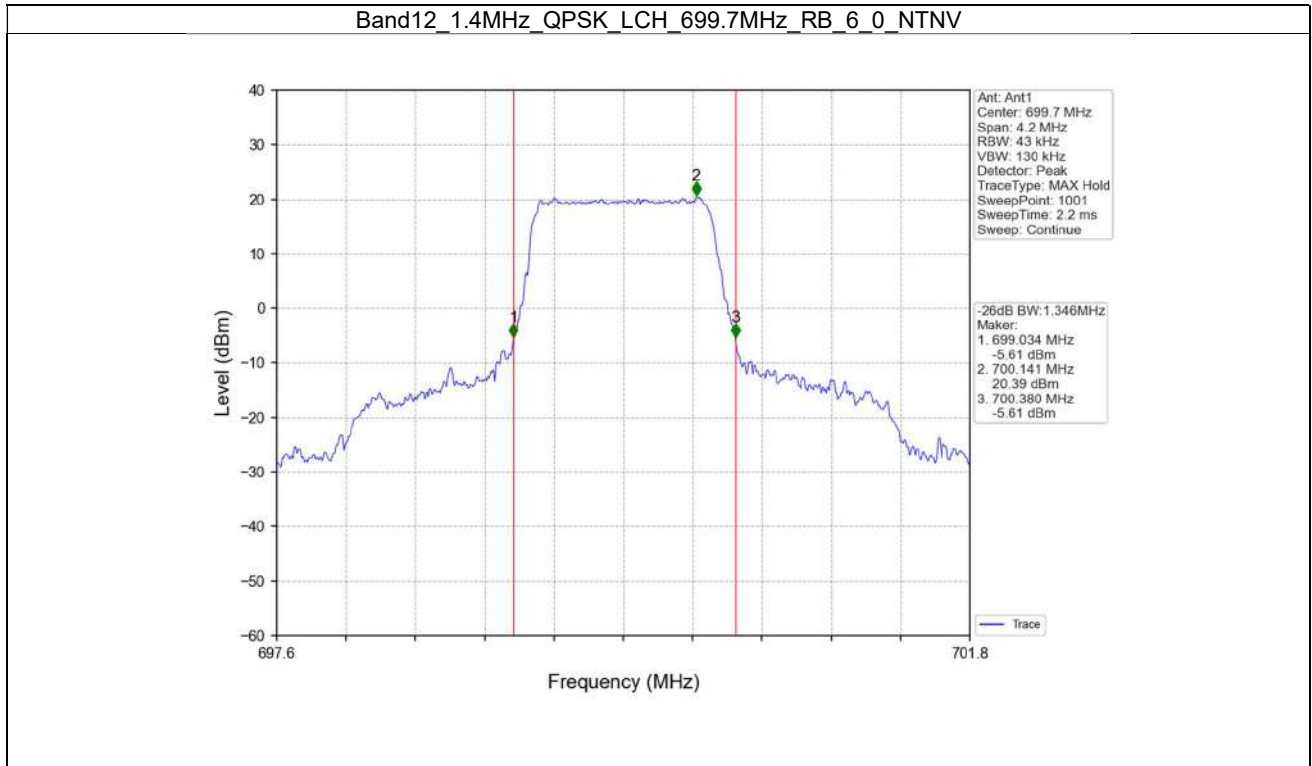
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4.2.2 Test Graph



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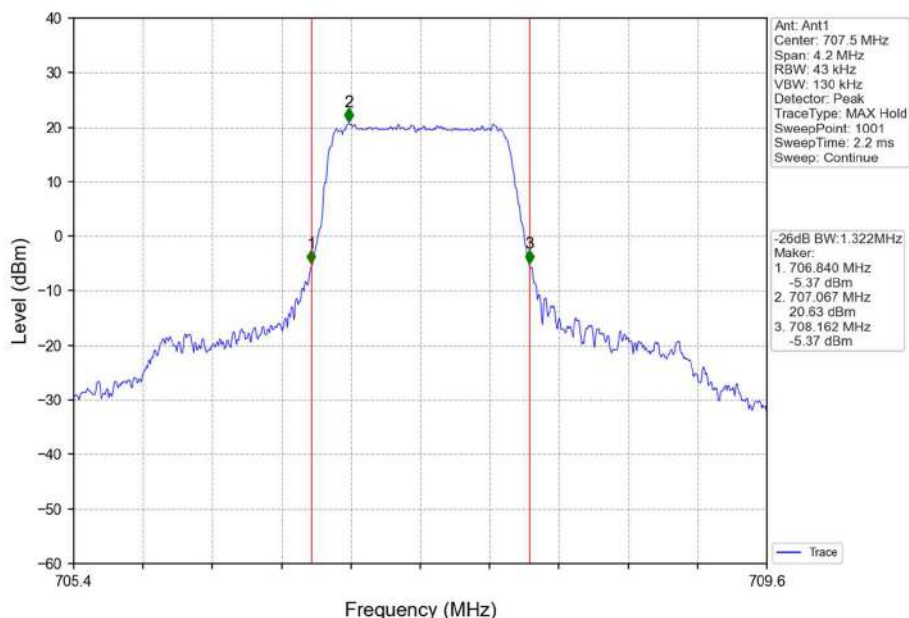
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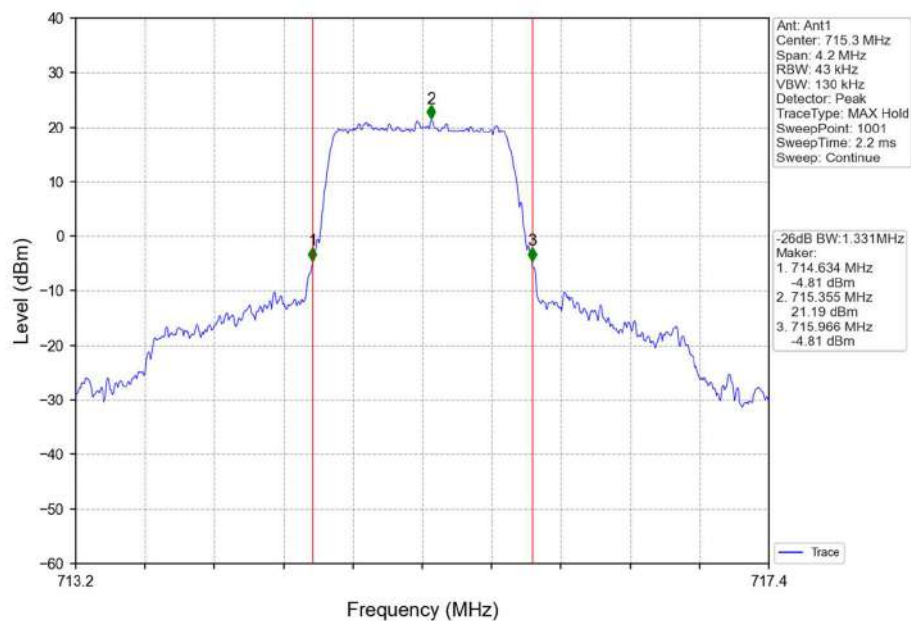
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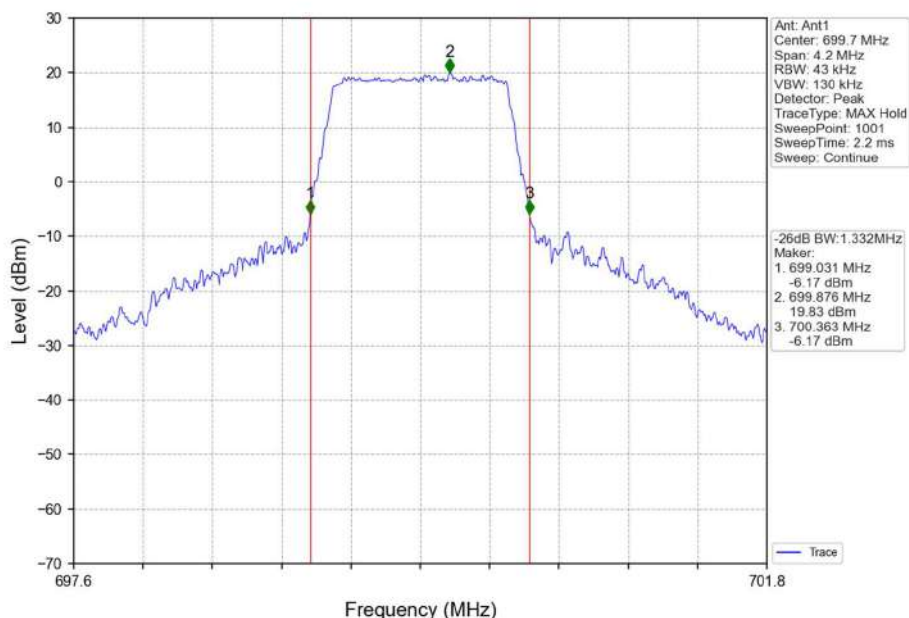
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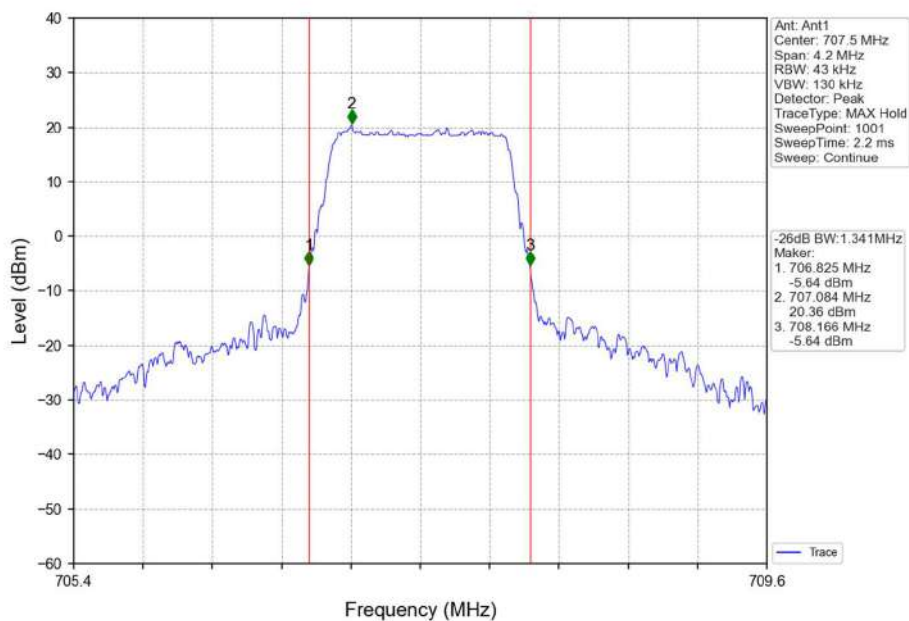
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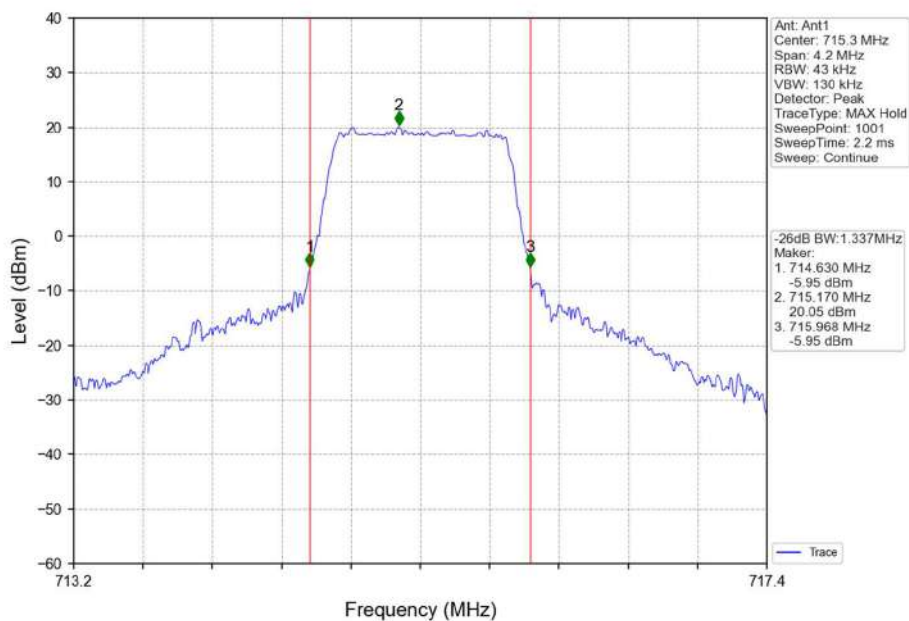
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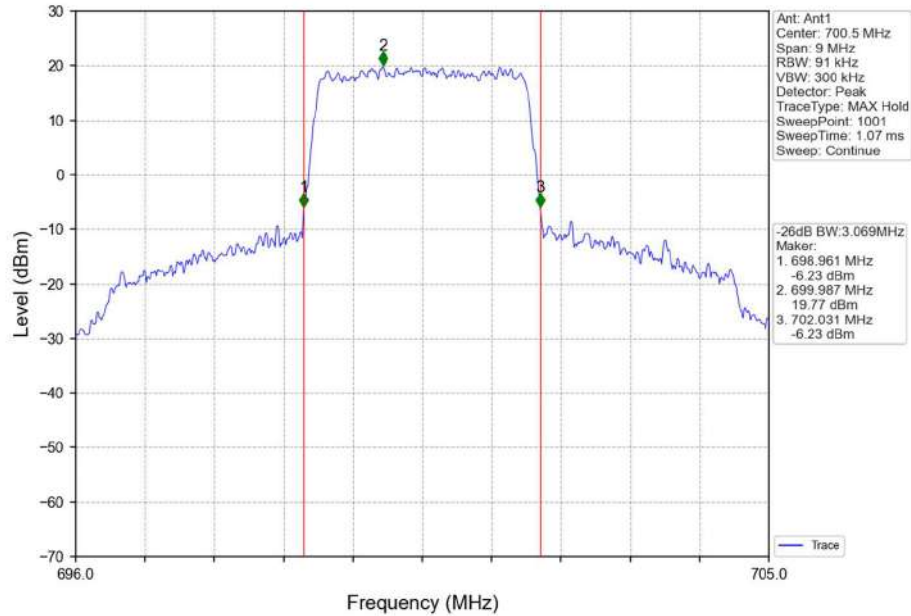
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Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



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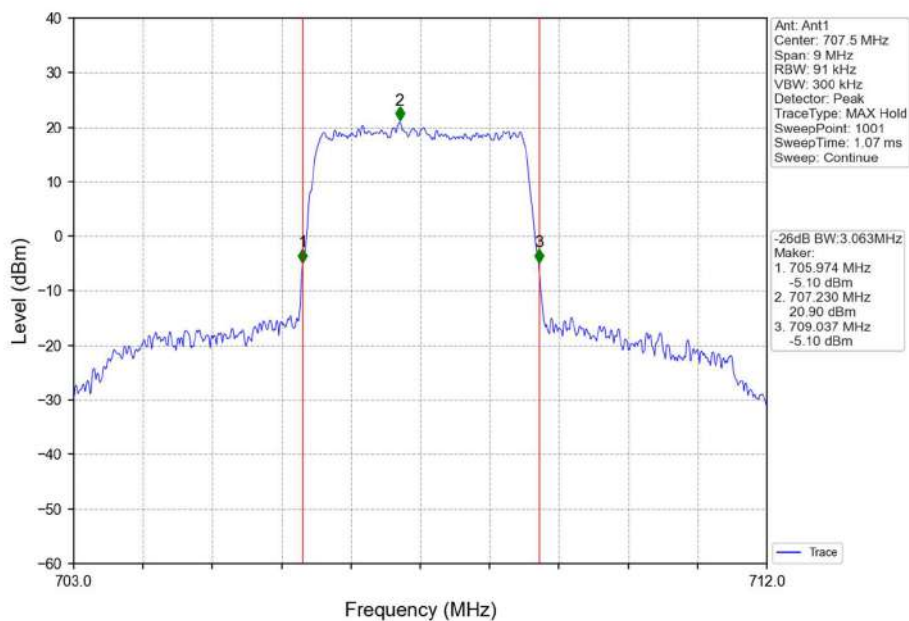
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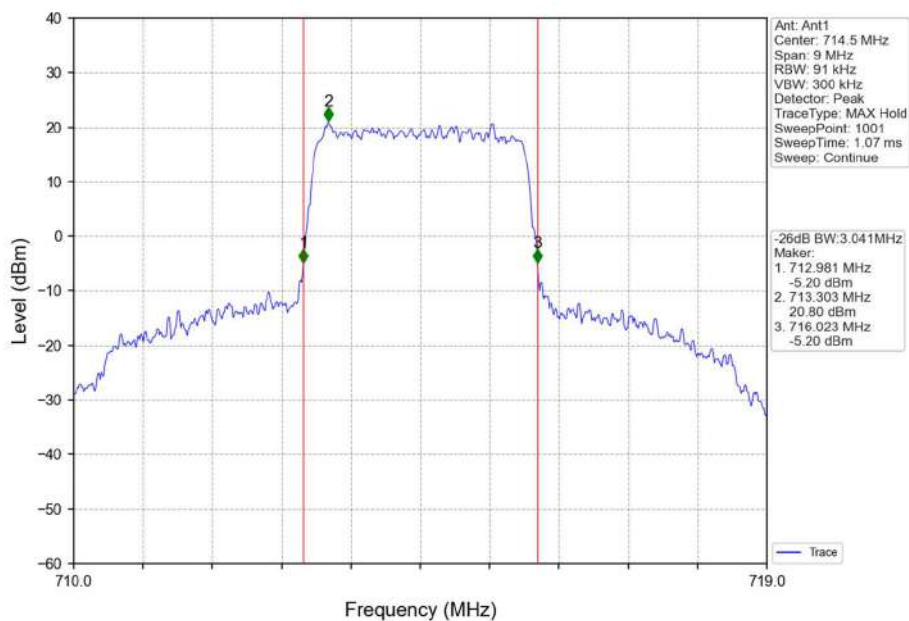
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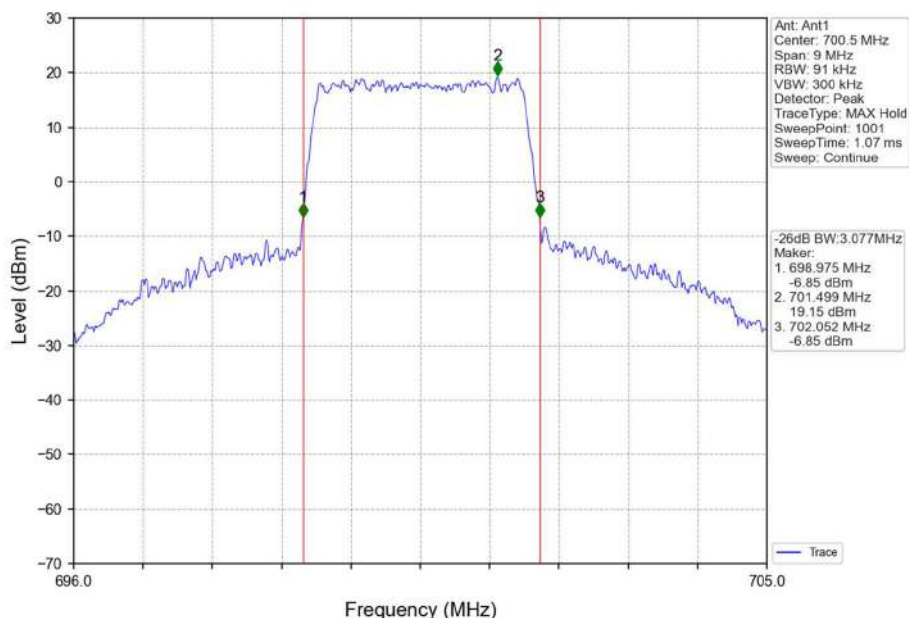
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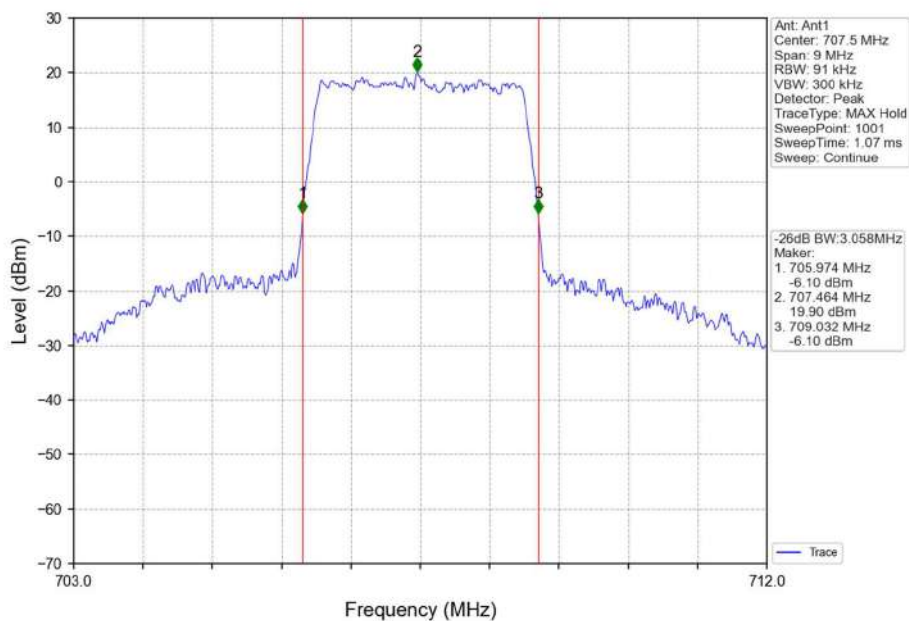
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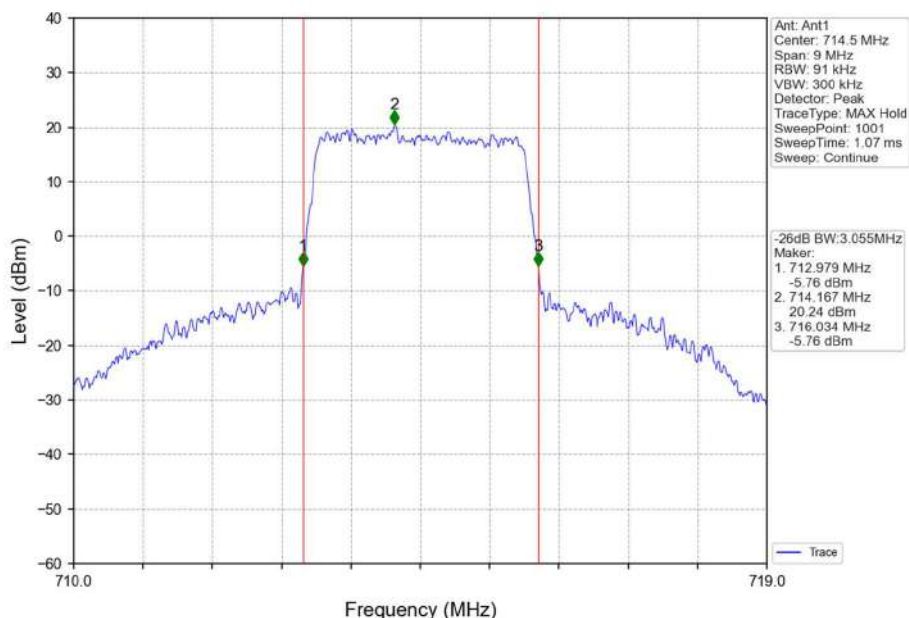
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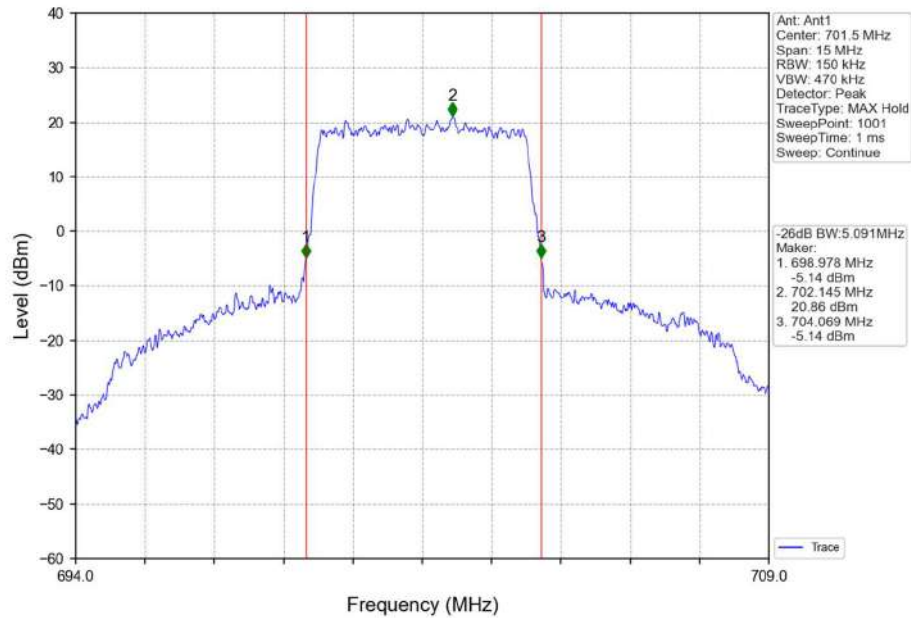
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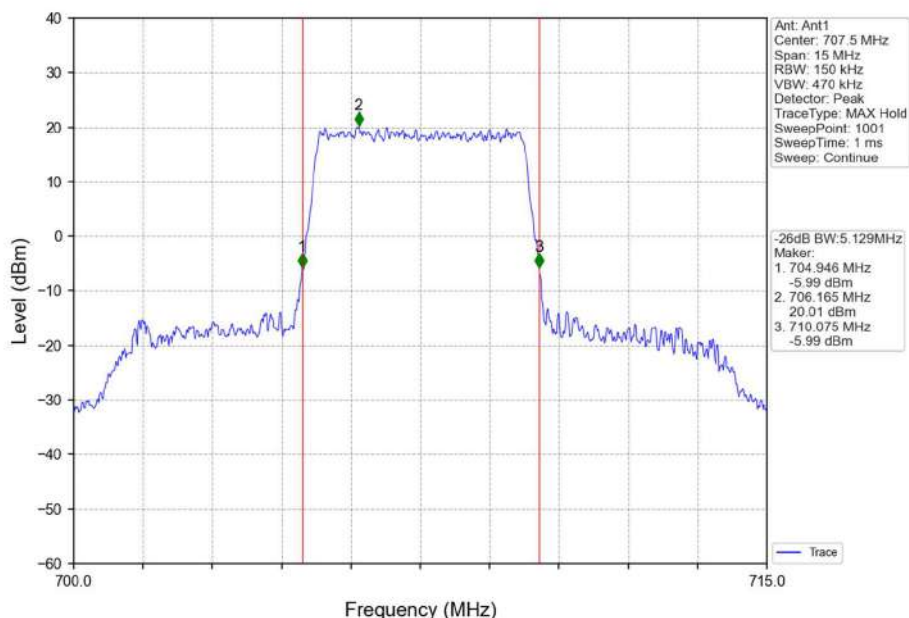
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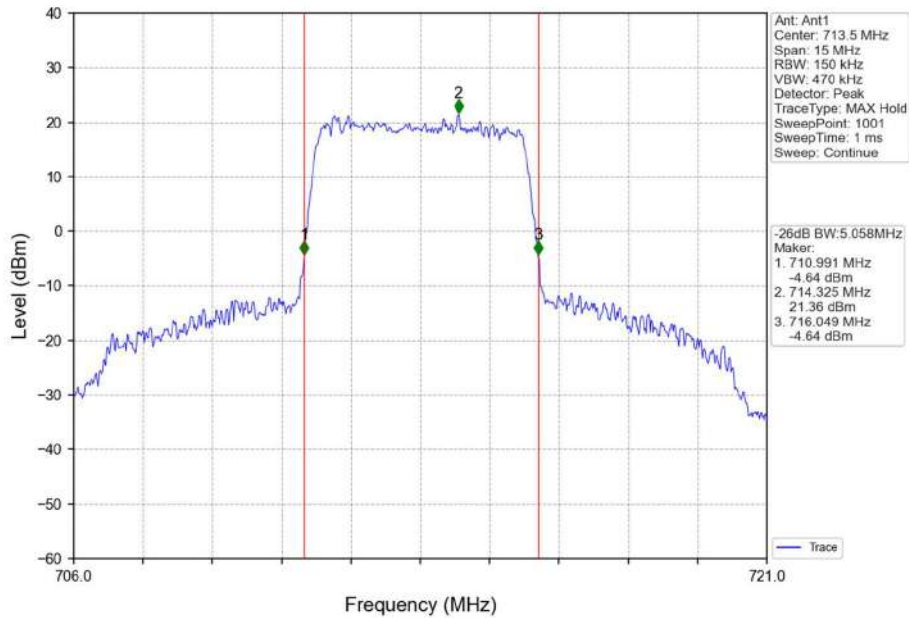
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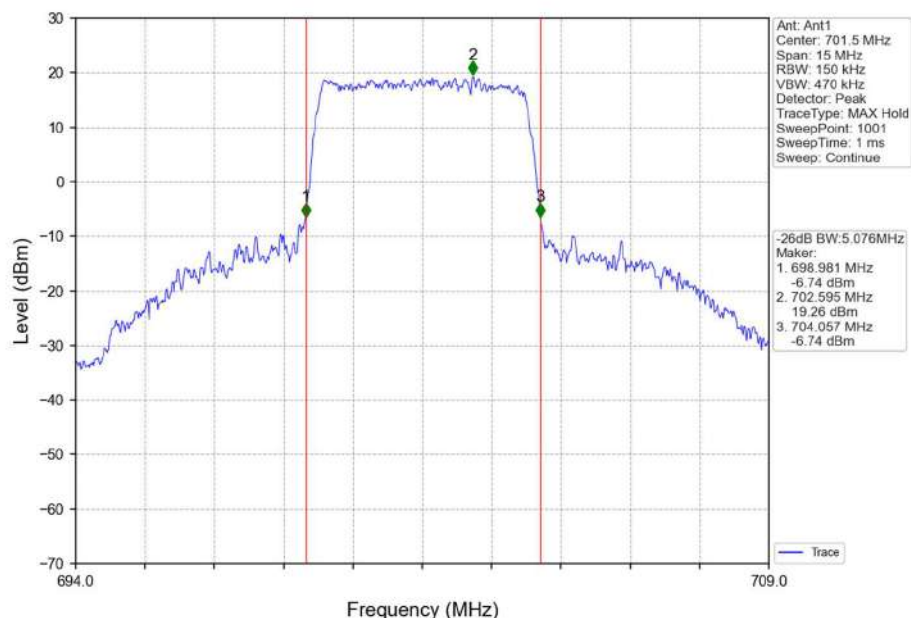
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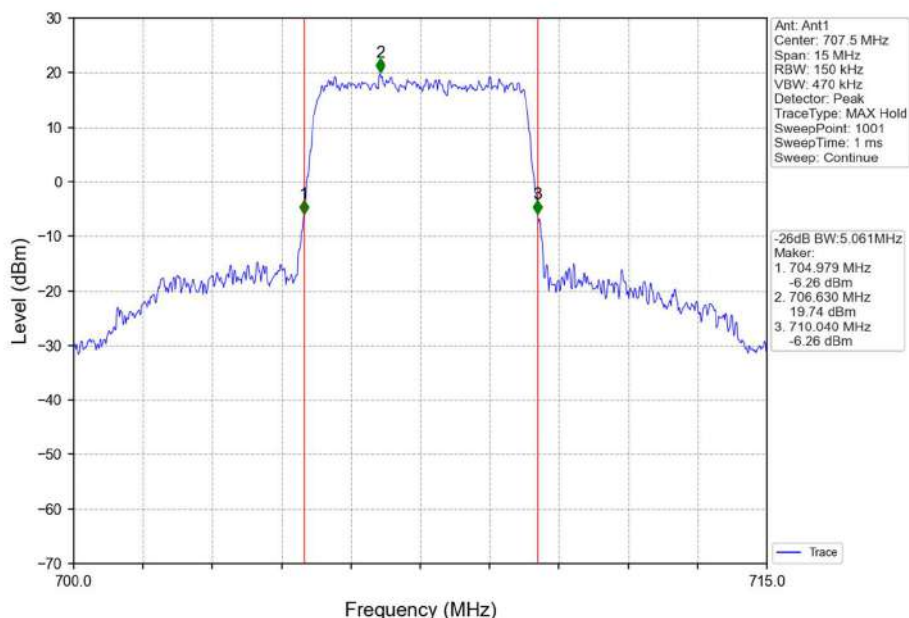
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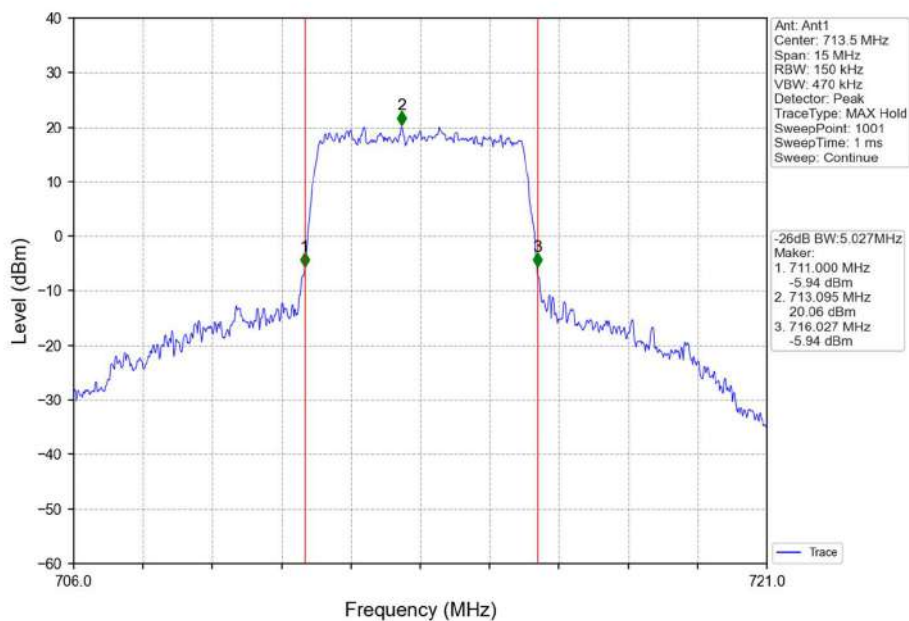
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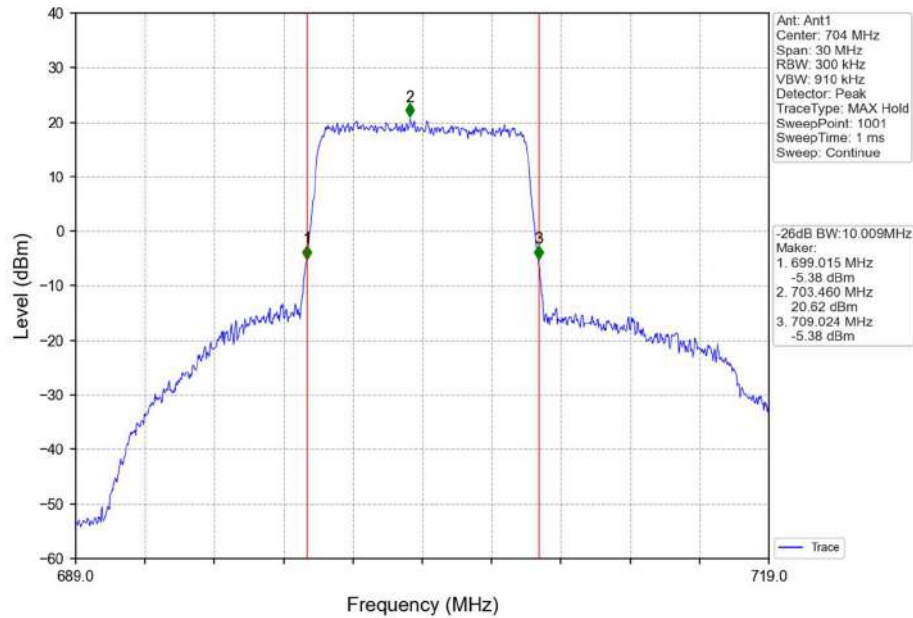
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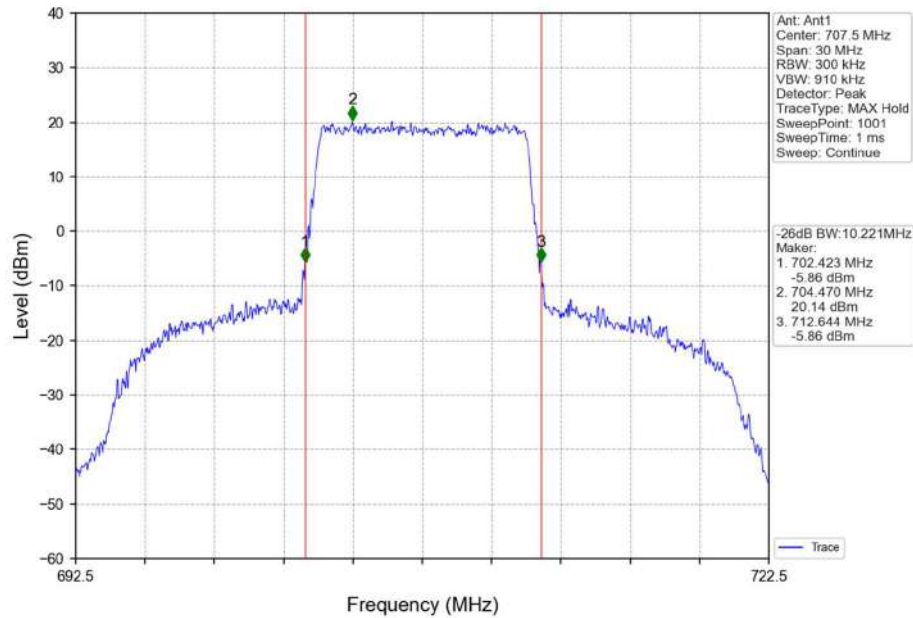
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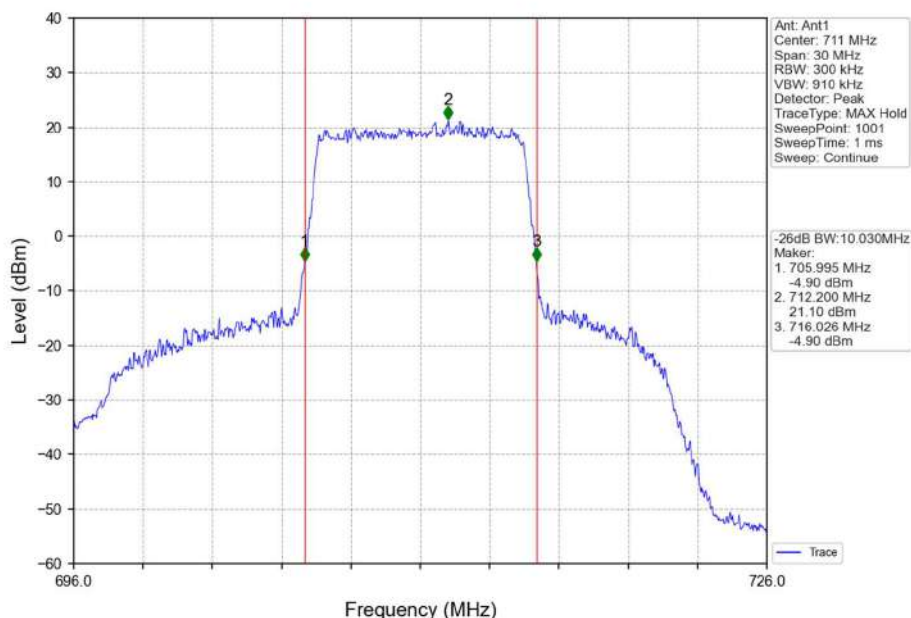
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Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



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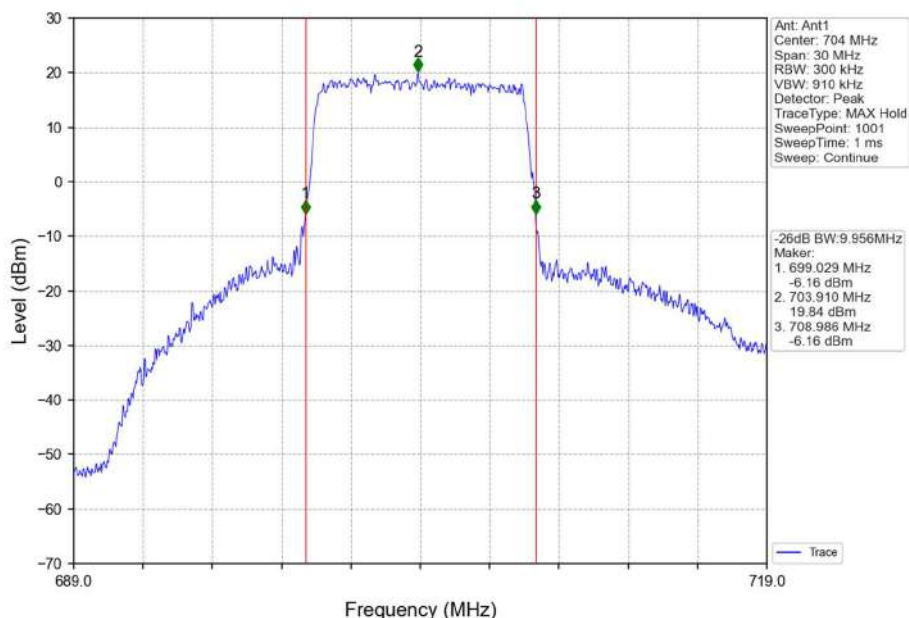
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Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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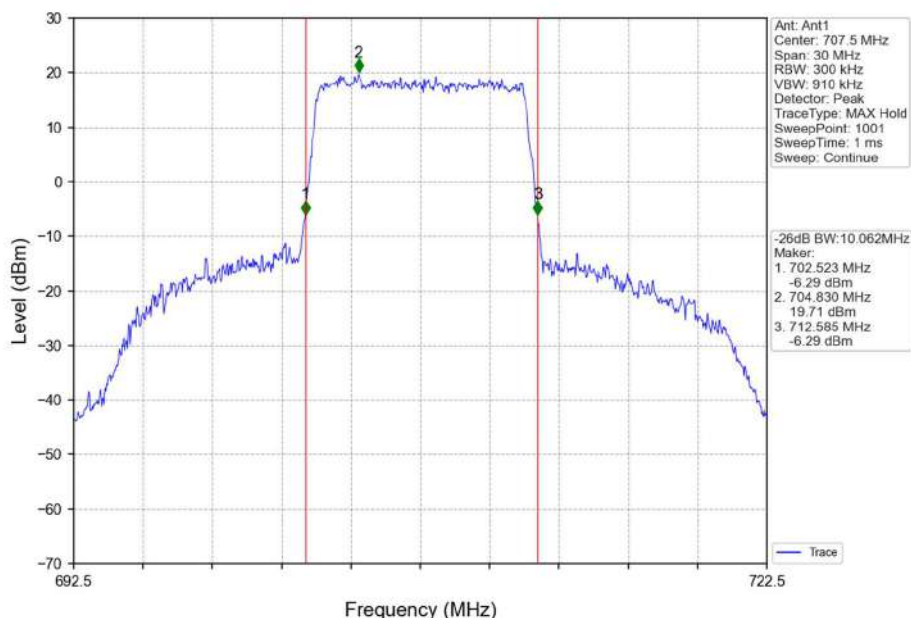
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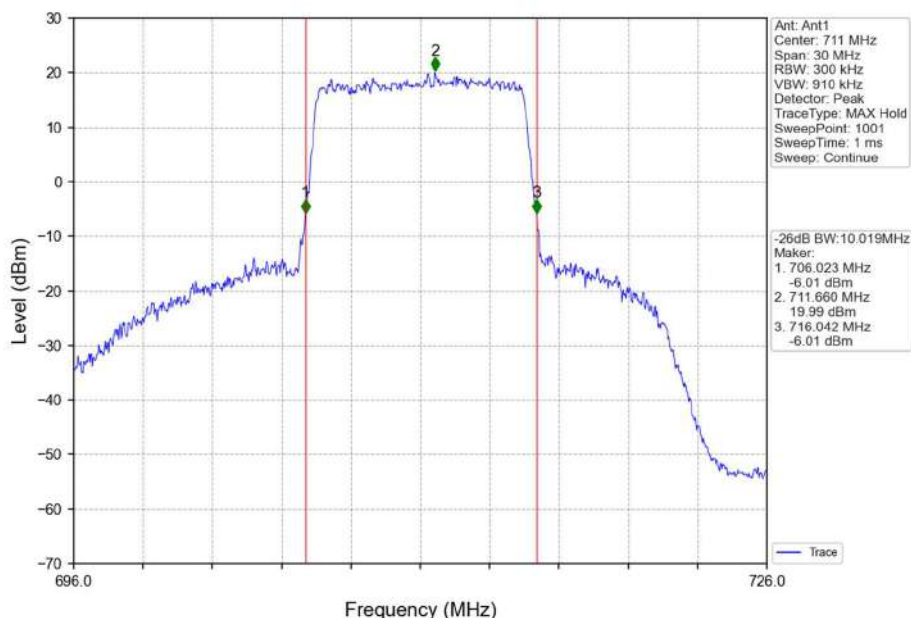
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5. Peak-Average Ratio

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	4.26	≤ 13	Pass
	707.5	6	0	4.93	≤ 13	Pass
	715.3	6	0	4.17	≤ 13	Pass
16QAM	699.7	6	0	5.30	≤ 13	Pass
	707.5	6	0	5.81	≤ 13	Pass
	715.3	6	0	5.07	≤ 13	Pass



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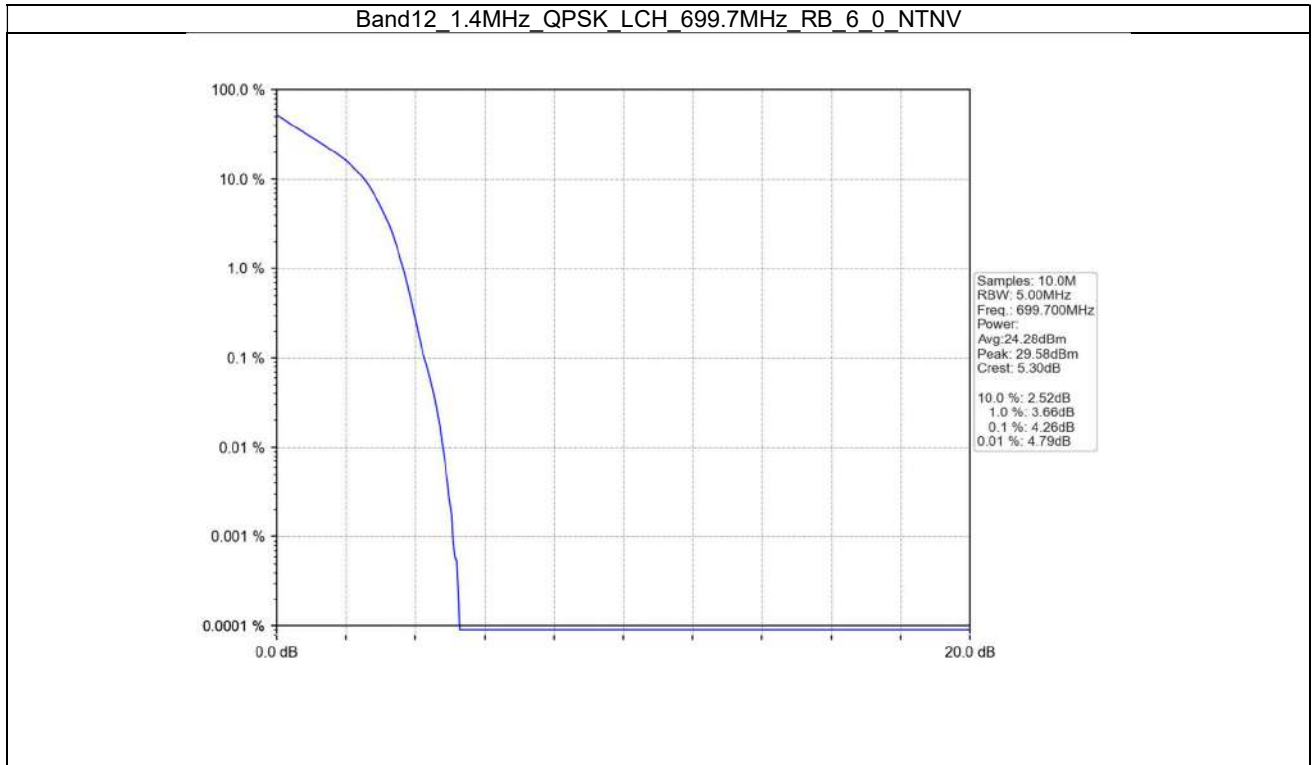
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5.1.2 Test Graph



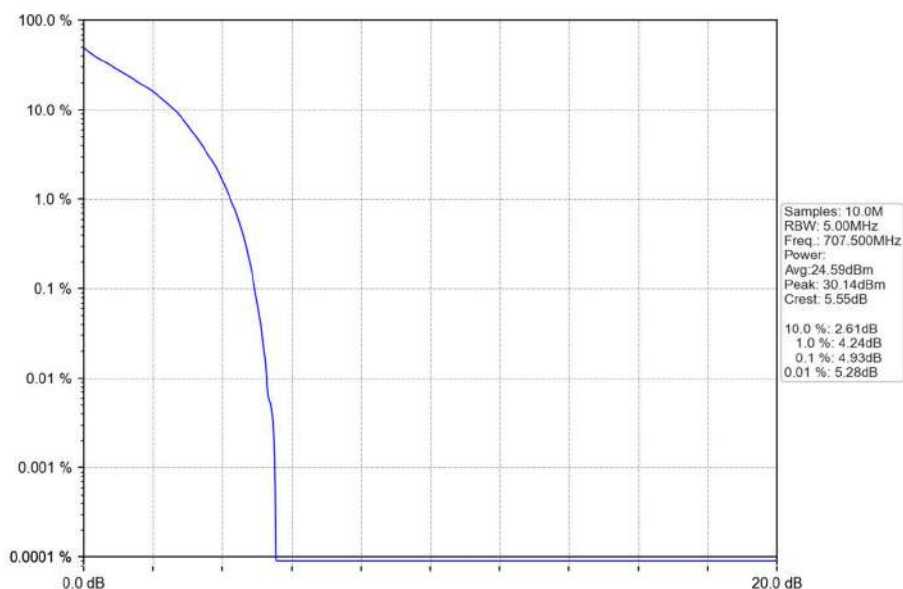
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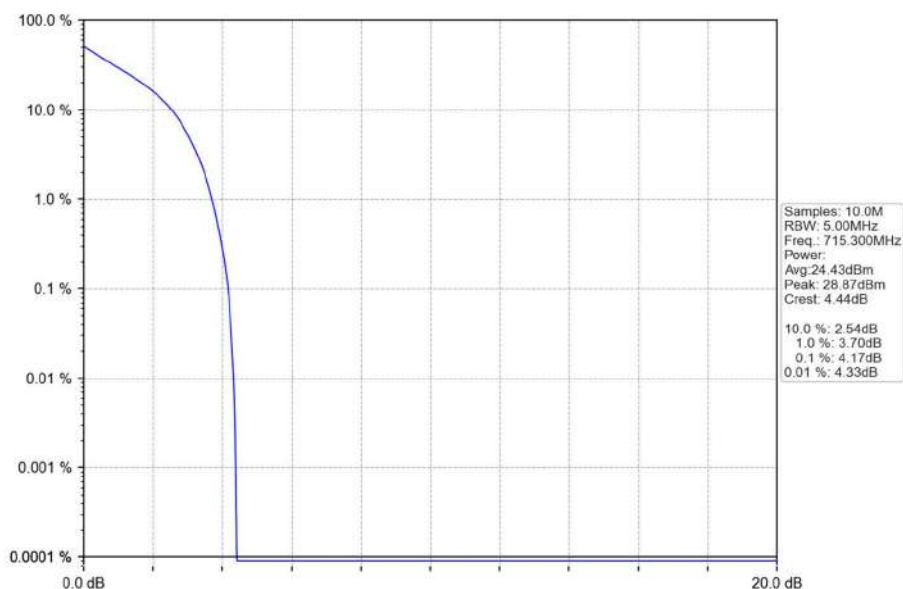
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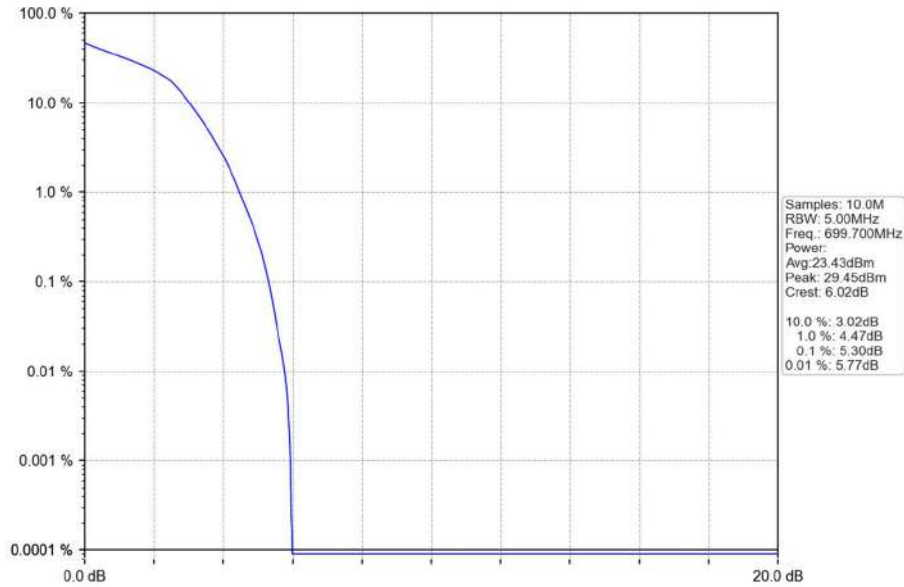
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Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



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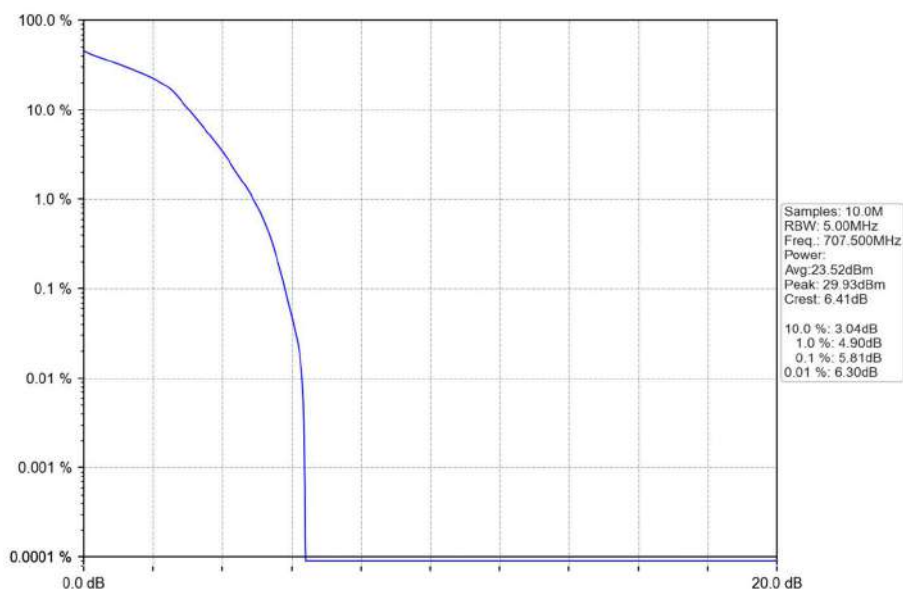
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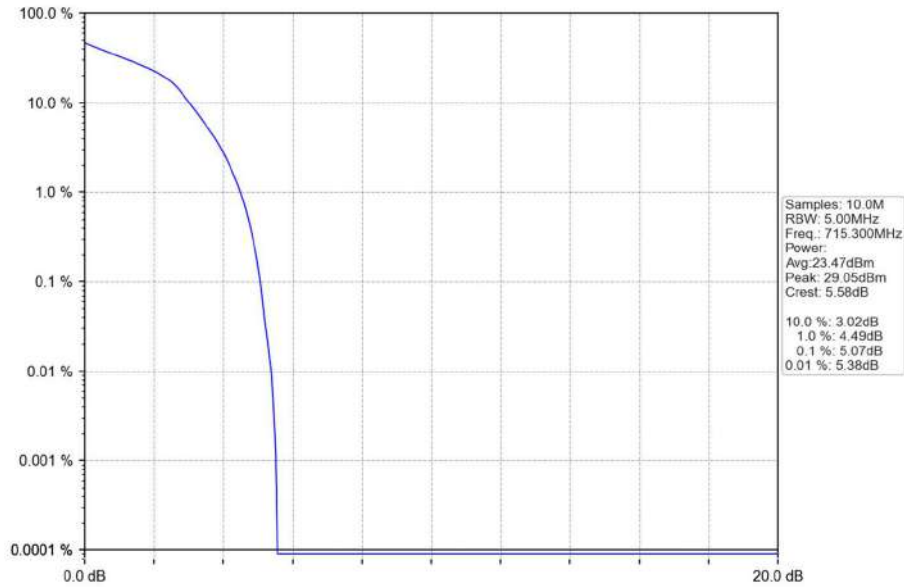
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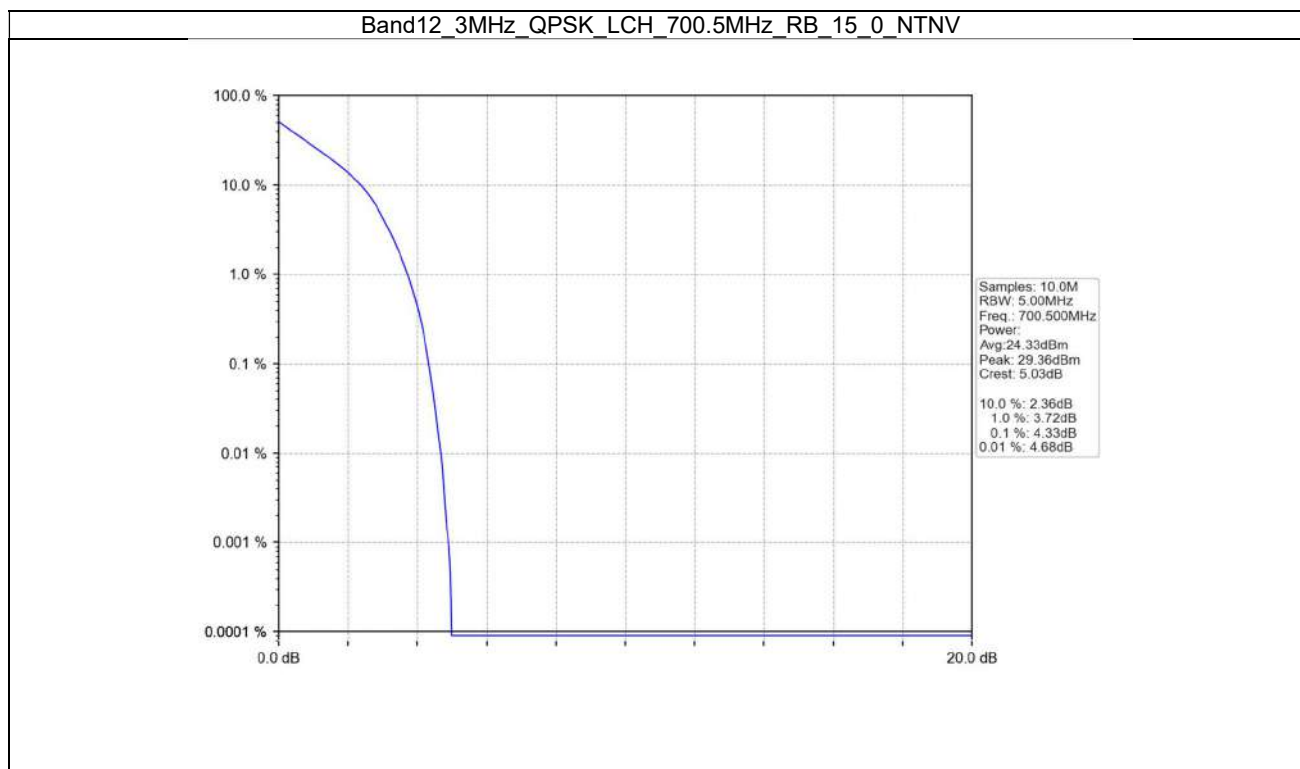


5.2 B12_3MHz

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	4.33	<=13	Pass
	707.5	15	0	5.21	<=13	Pass
	714.5	15	0	4.53	<=13	Pass
16QAM	700.5	15	0	5.24	<=13	Pass
	707.5	15	0	6.06	<=13	Pass
	714.5	15	0	5.31	<=13	Pass

5.2.2 Test Graph



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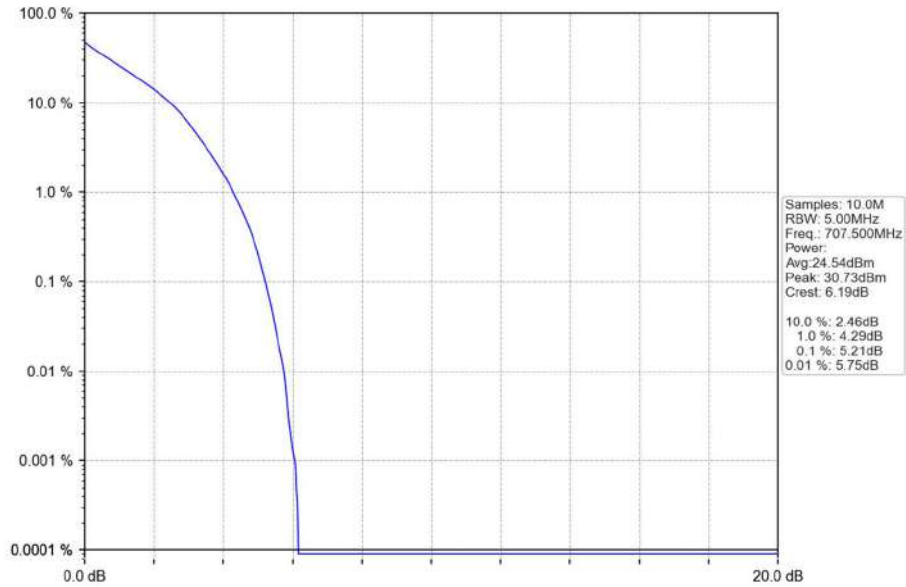
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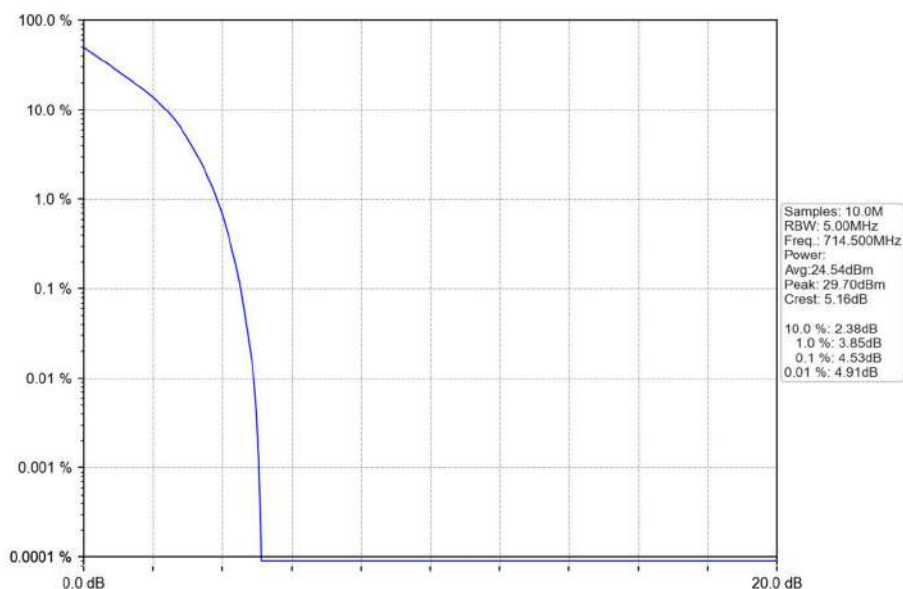
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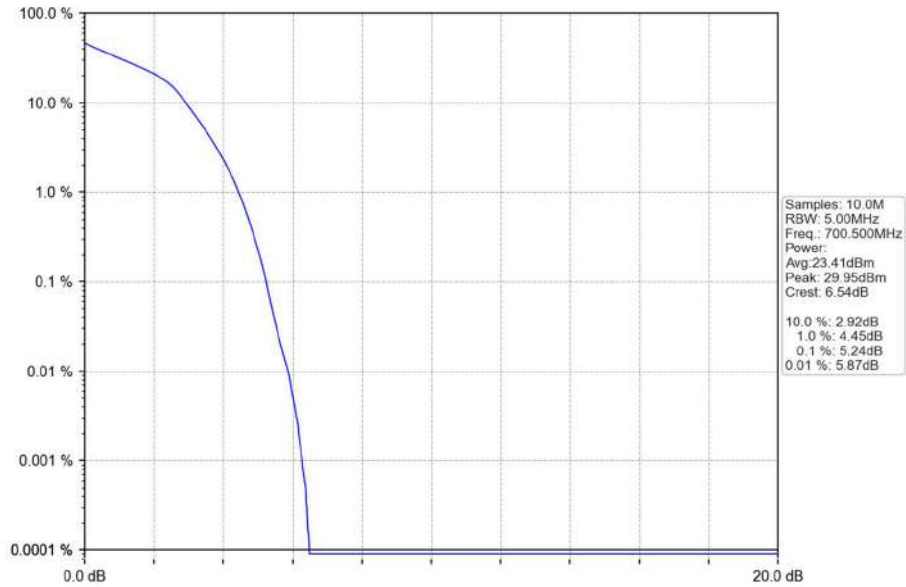
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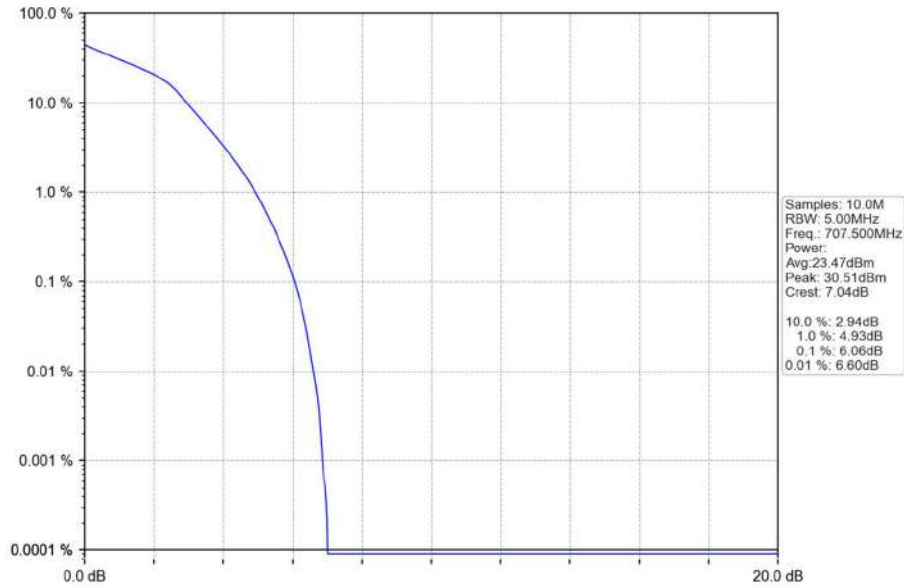
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5.3 B12_5MHz

5.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	4.88	<=13	Pass
	707.5	25	0	5.43	<=13	Pass
	713.5	25	0	4.99	<=13	Pass
16QAM	701.5	25	0	5.75	<=13	Pass
	707.5	25	0	6.14	<=13	Pass
	713.5	25	0	5.64	<=13	Pass



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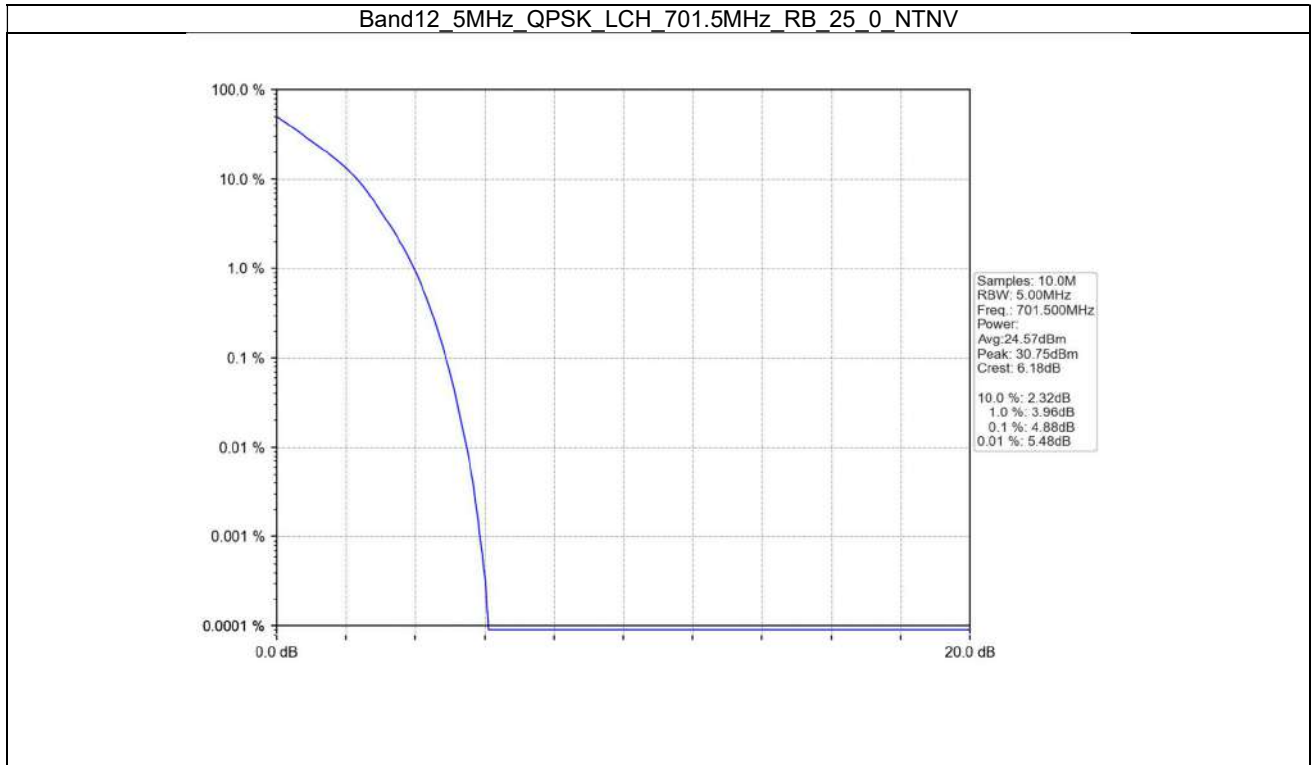
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5.3.2 Test Graph



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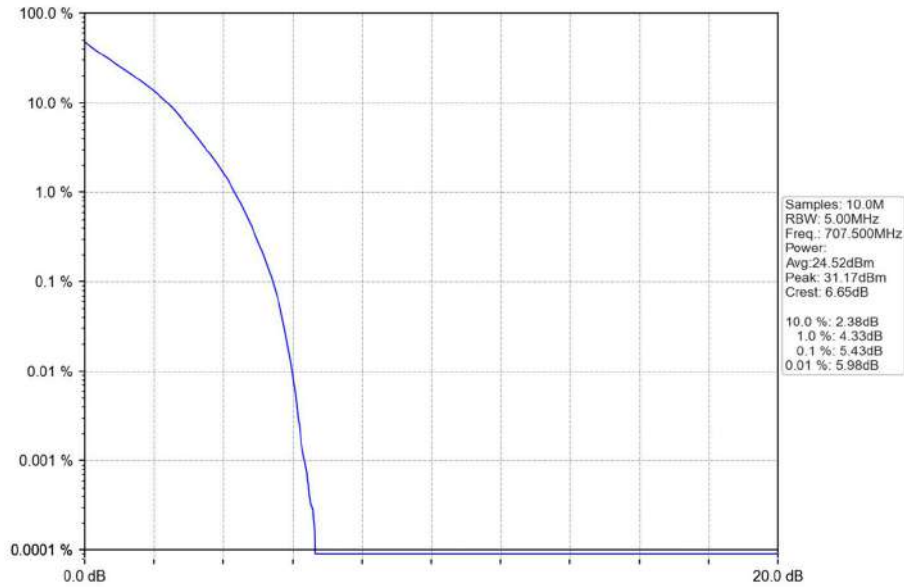
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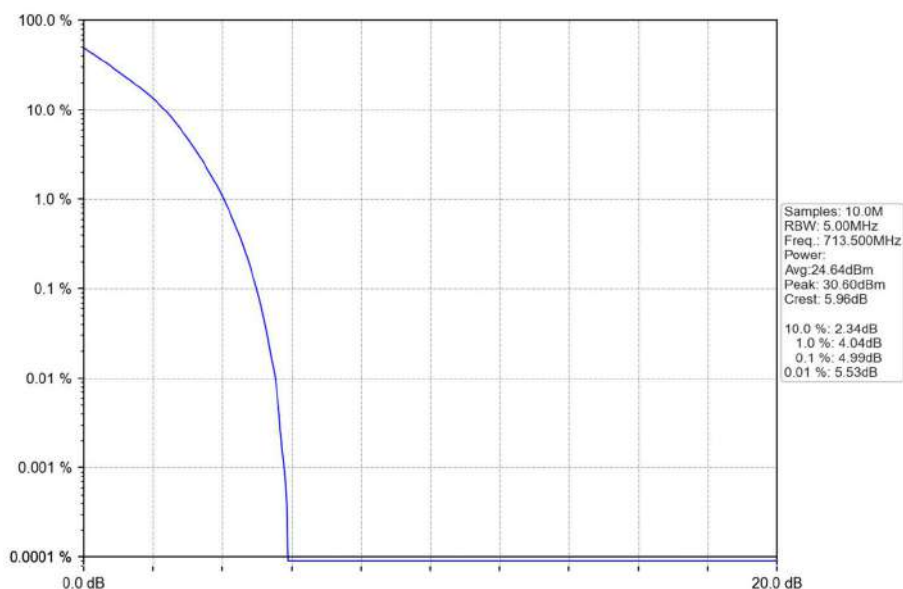
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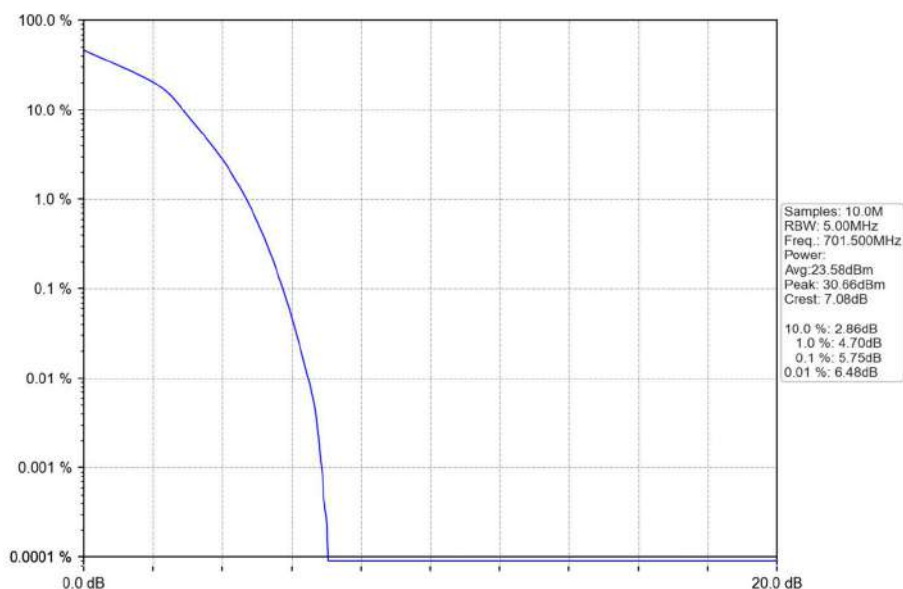
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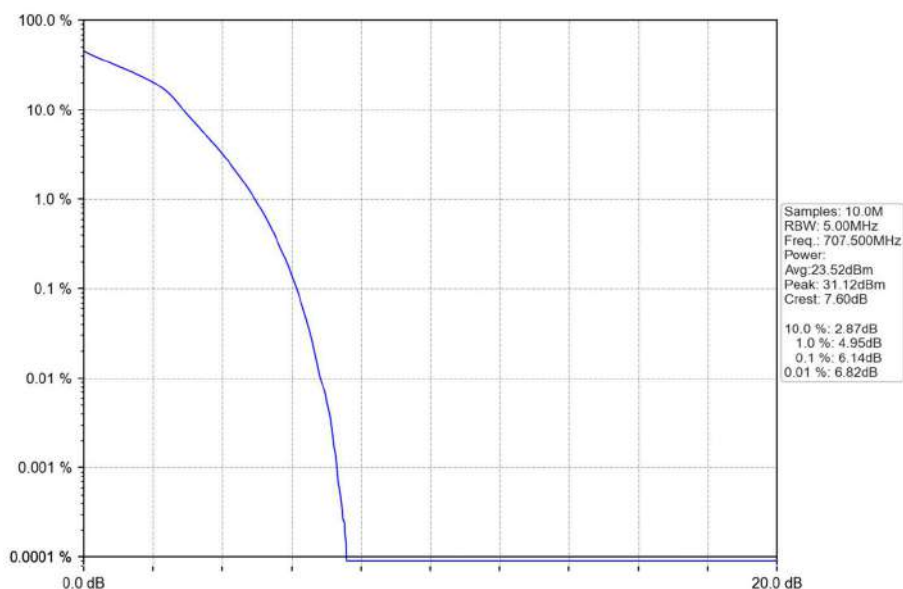
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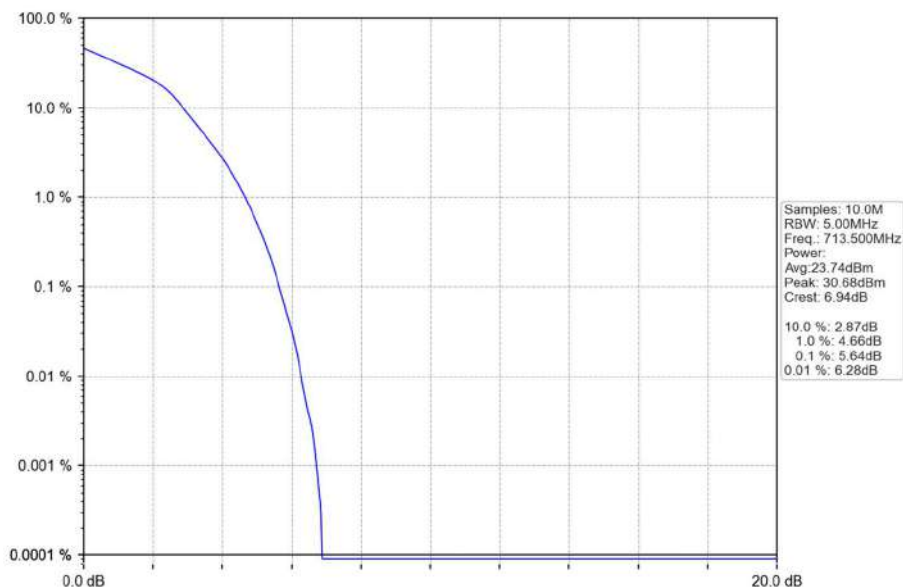
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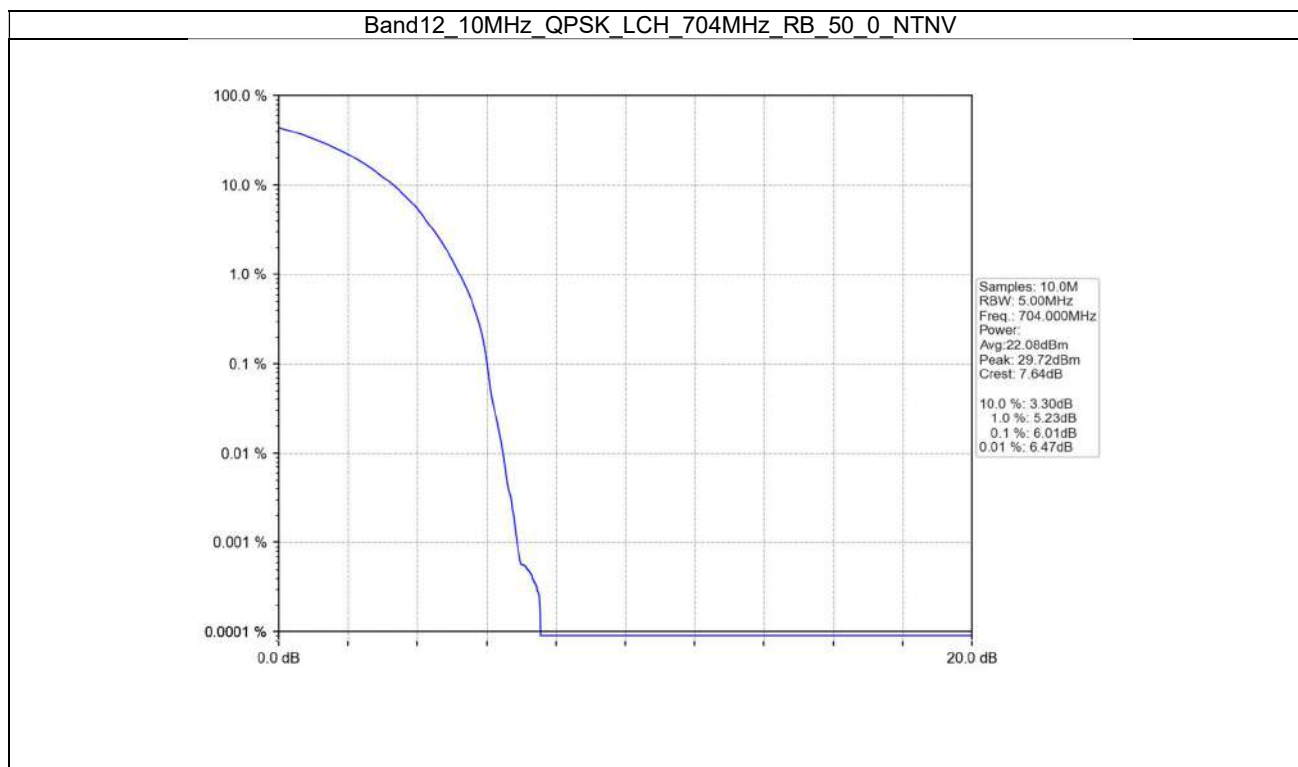


5.4 B12_10MHz

5.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	6.01	≤ 13	Pass
	707.5	50	0	6.11	≤ 13	Pass
	711	50	0	6.23	≤ 13	Pass
16QAM	704	50	0	6.76	≤ 13	Pass
	707.5	50	0	6.87	≤ 13	Pass
	711	50	0	6.78	≤ 13	Pass

5.4.2 Test Graph



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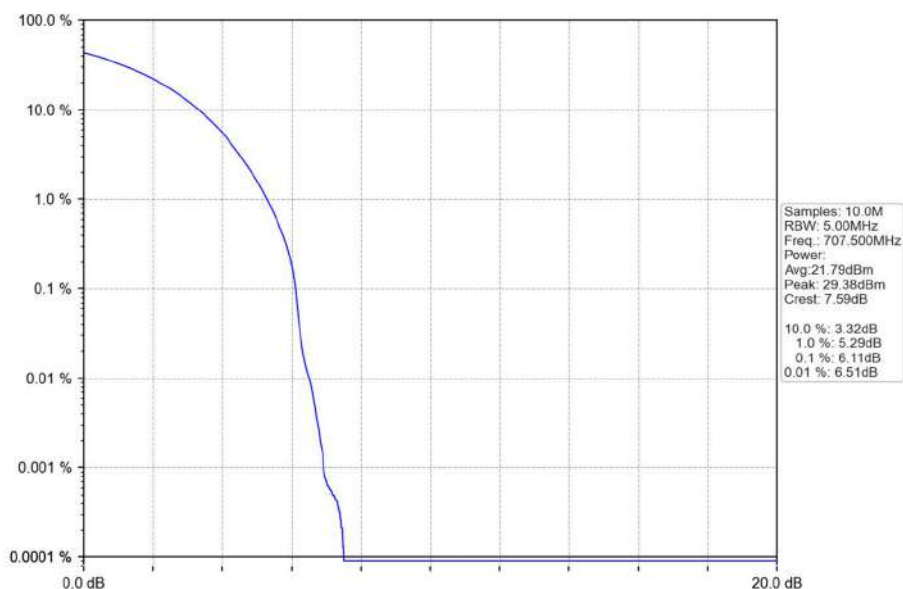
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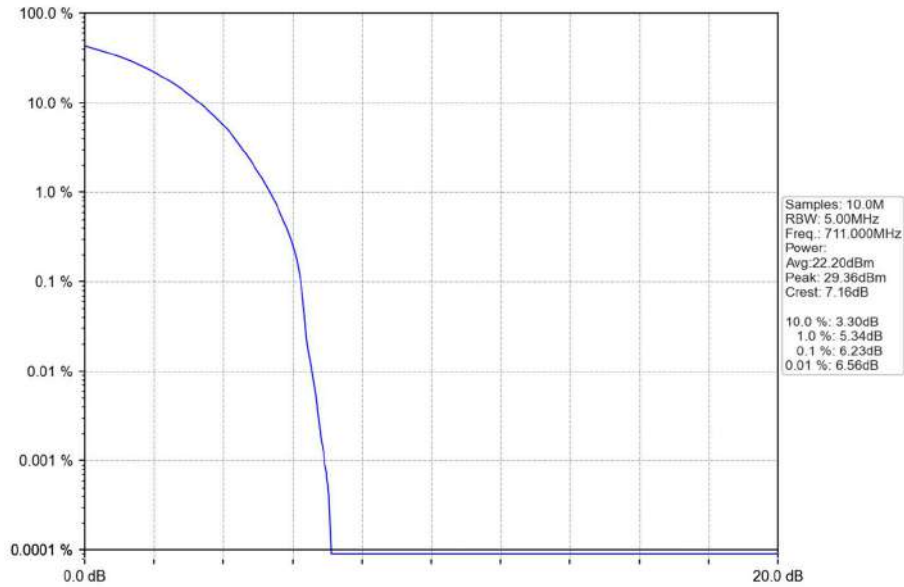
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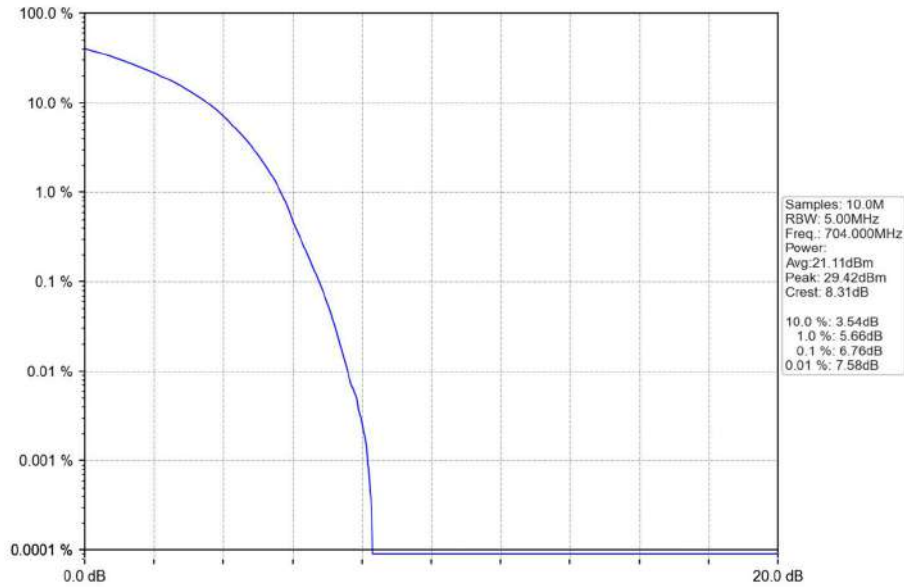
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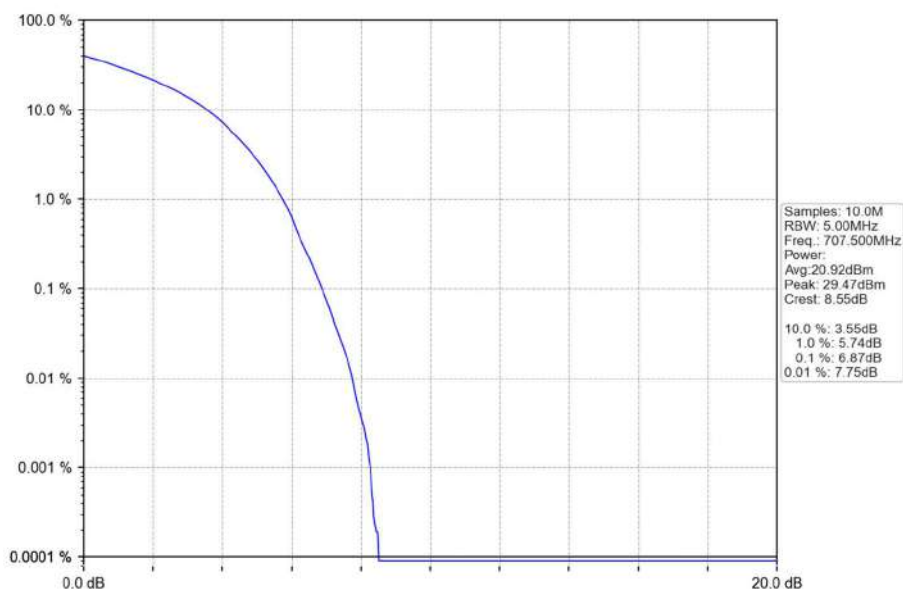
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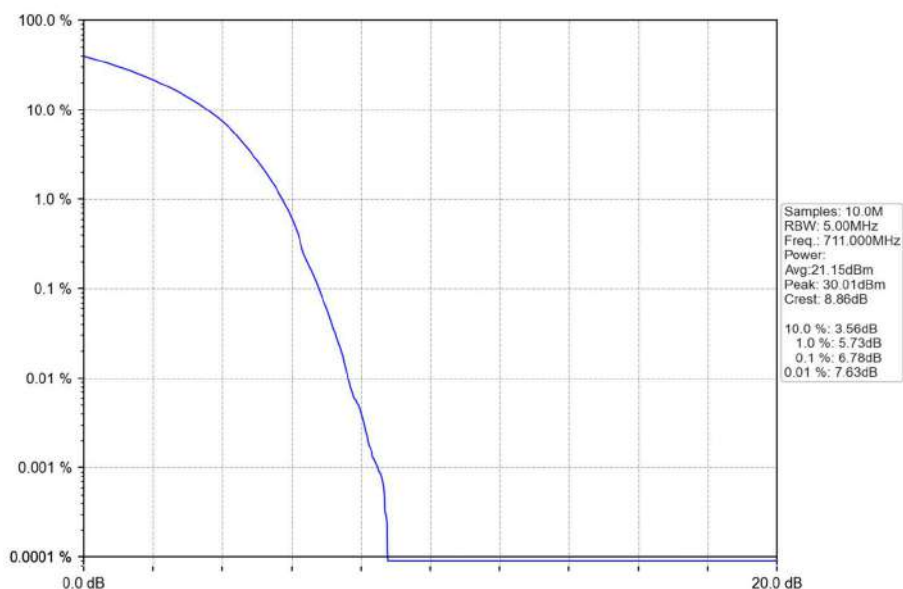
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6. Spurious Emission

6.1 B12_1.4MHz

6.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTVN						
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		Pass
			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		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.



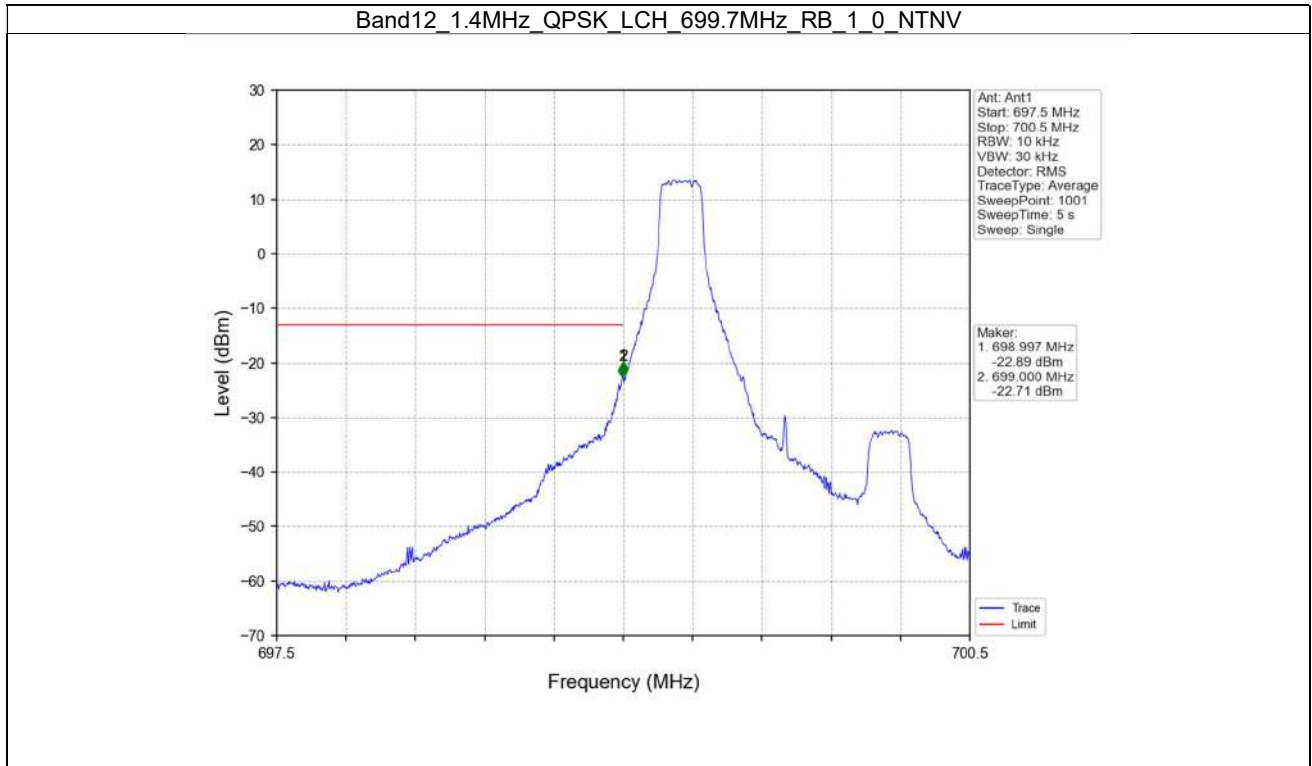
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6.1.2 Test Graph



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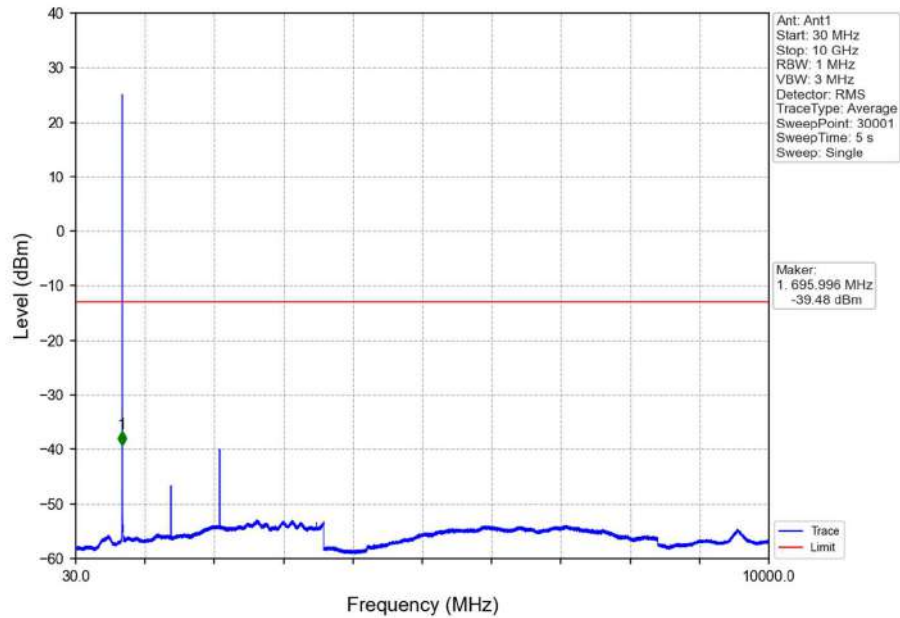
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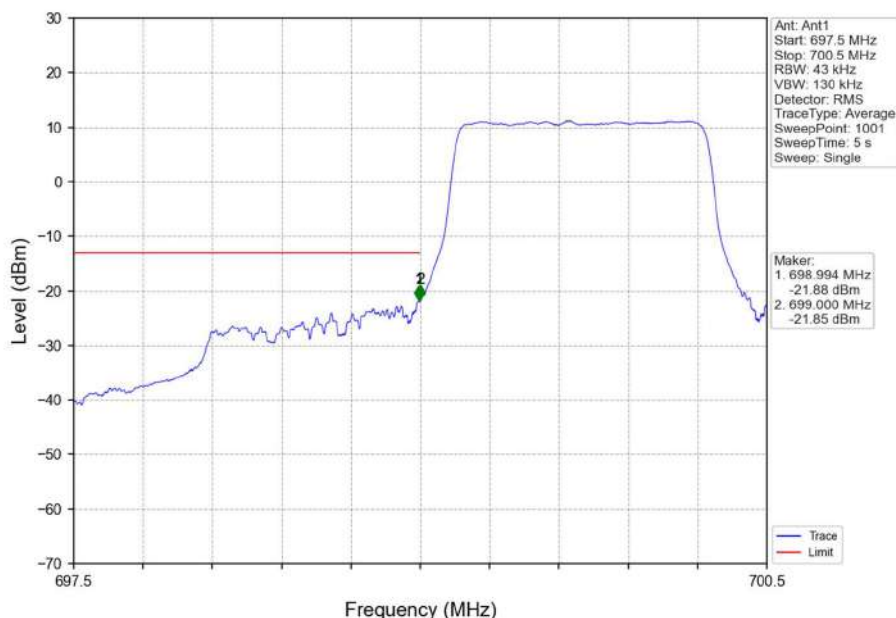
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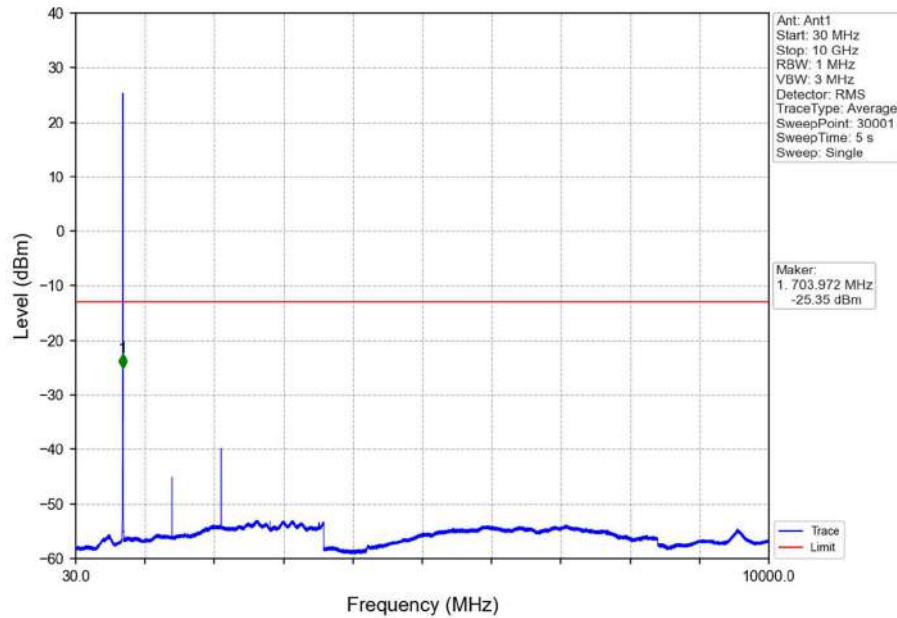
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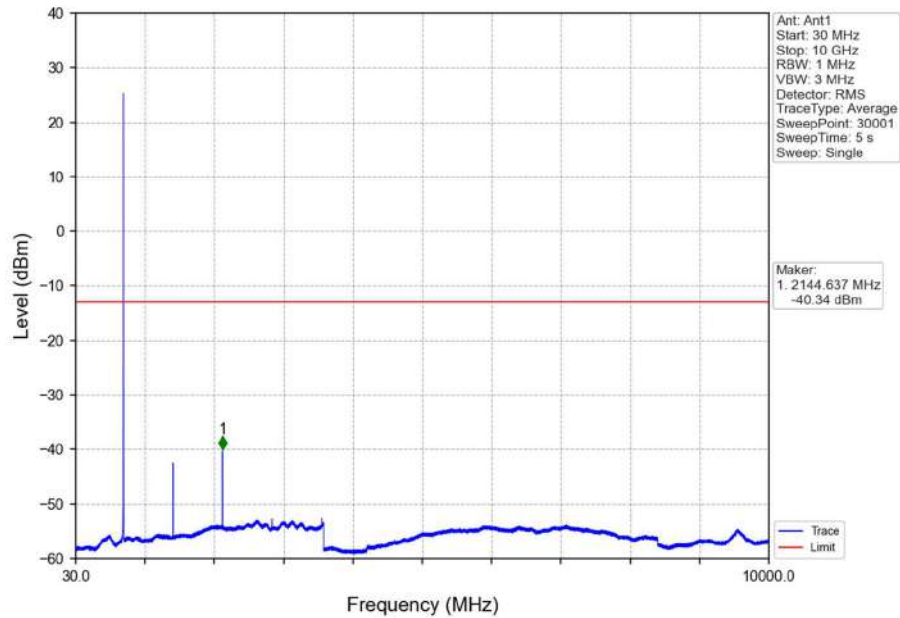
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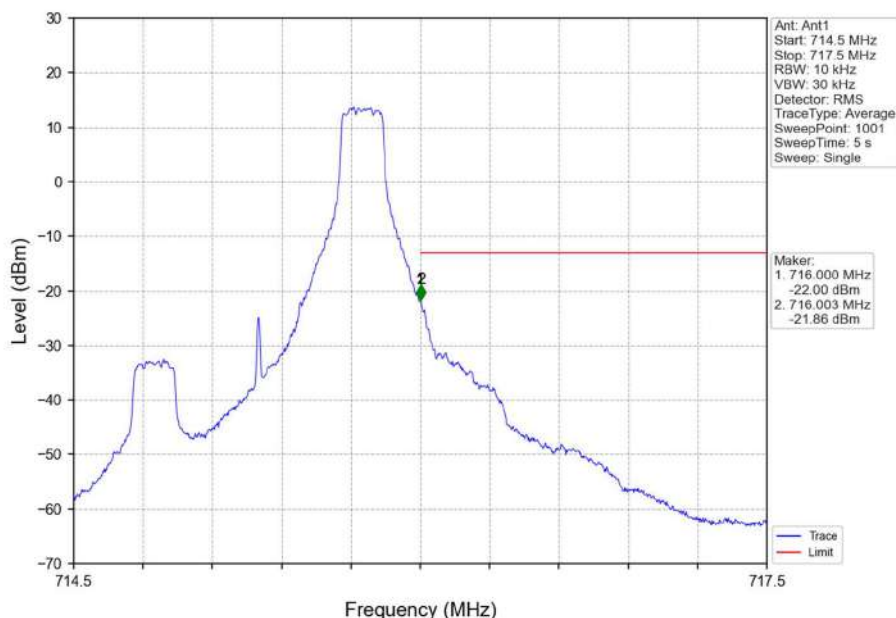
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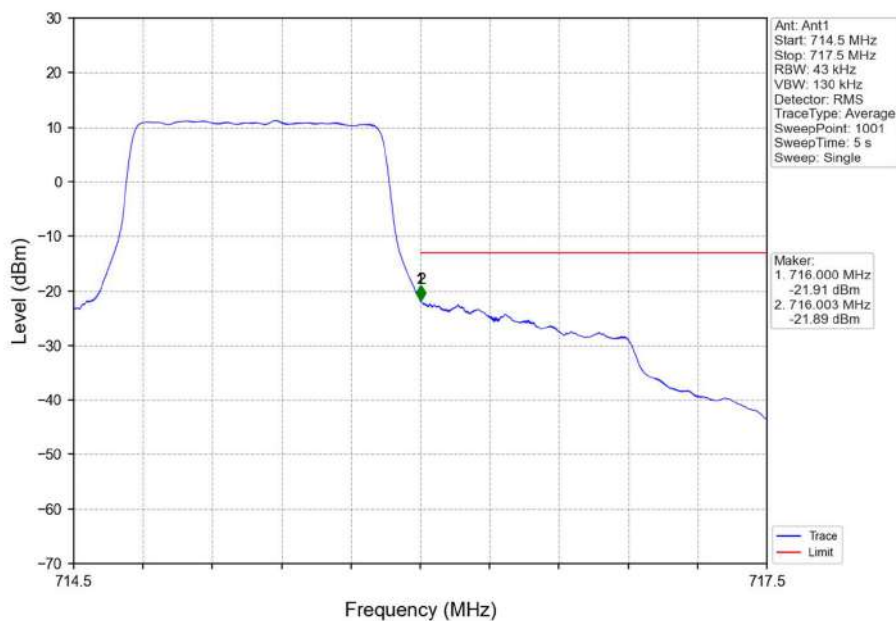
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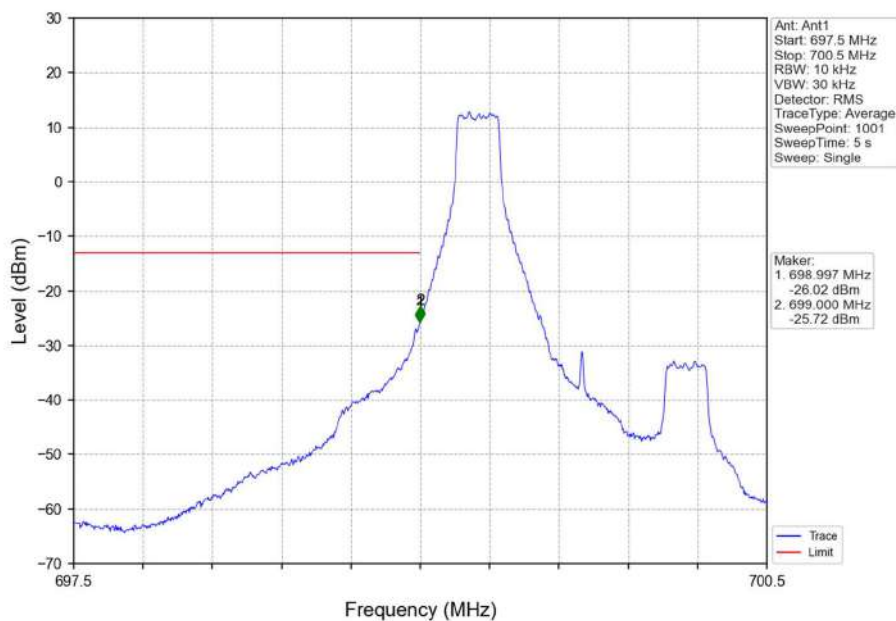
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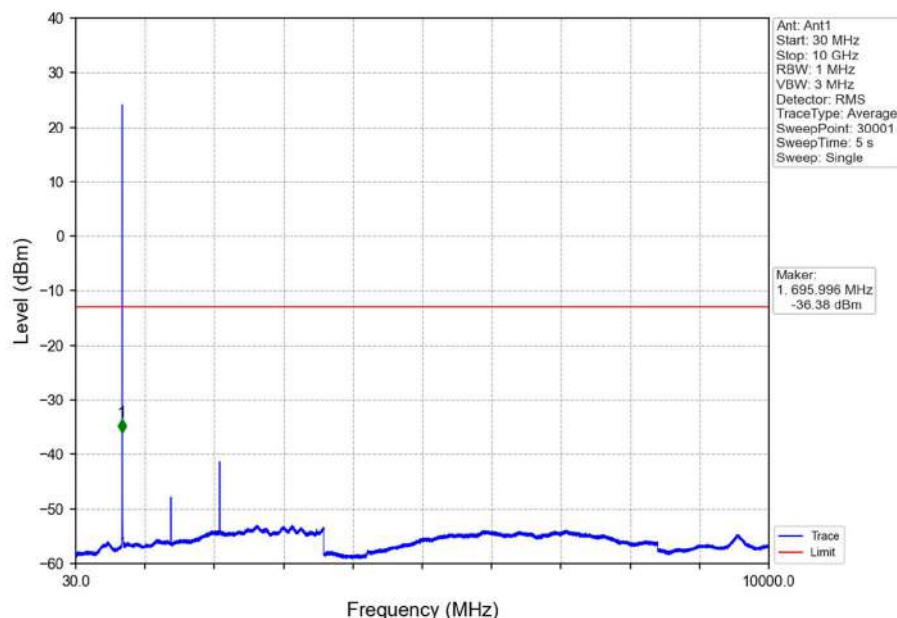
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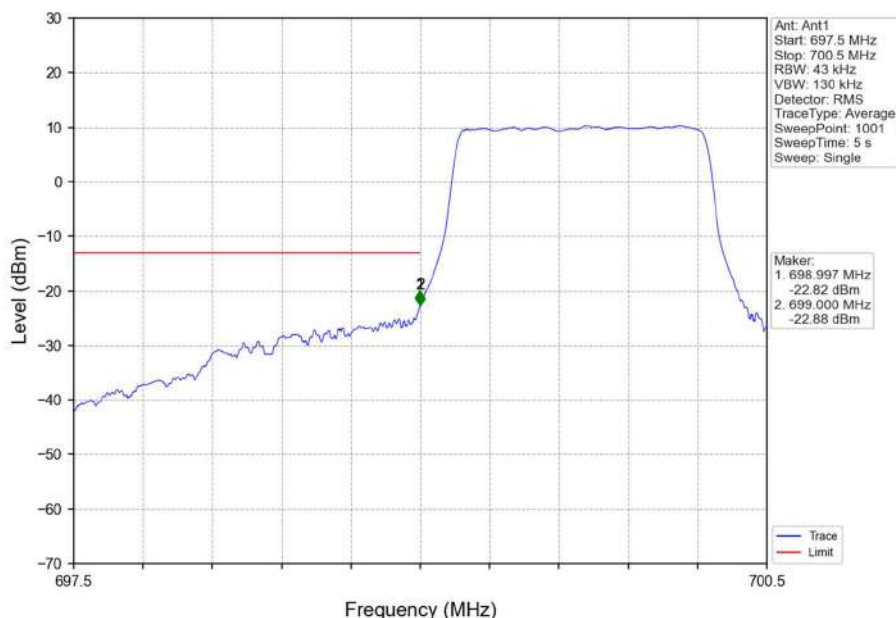
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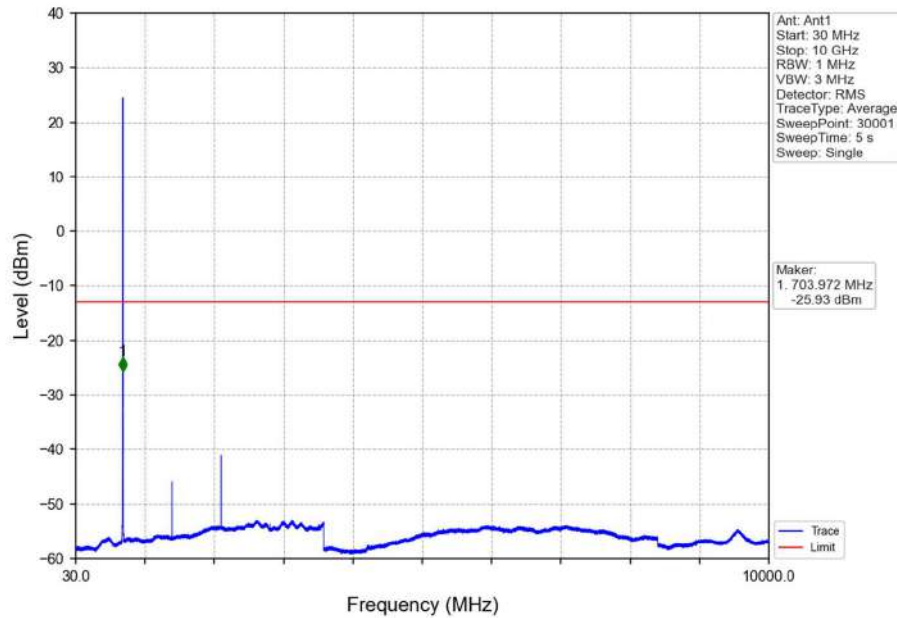
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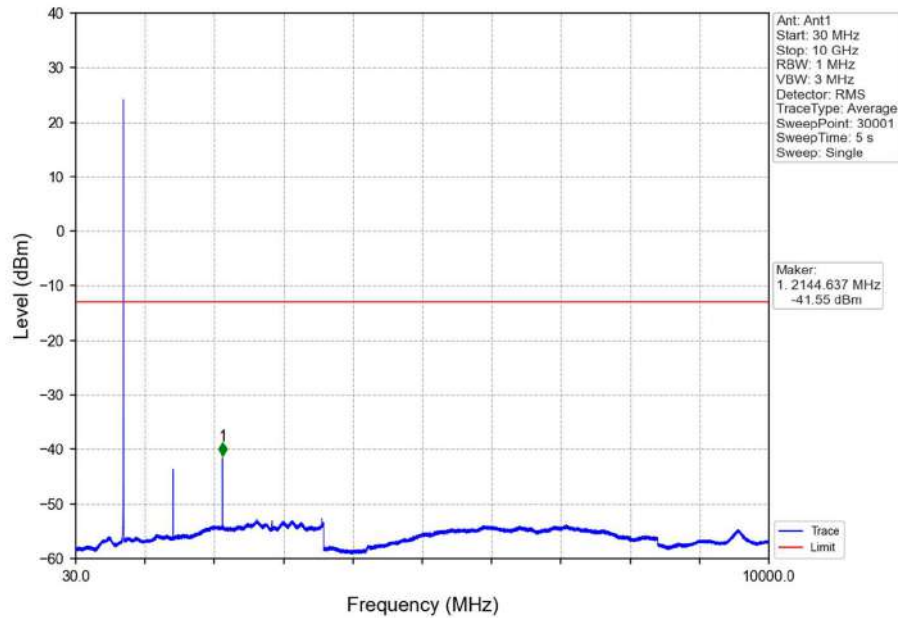
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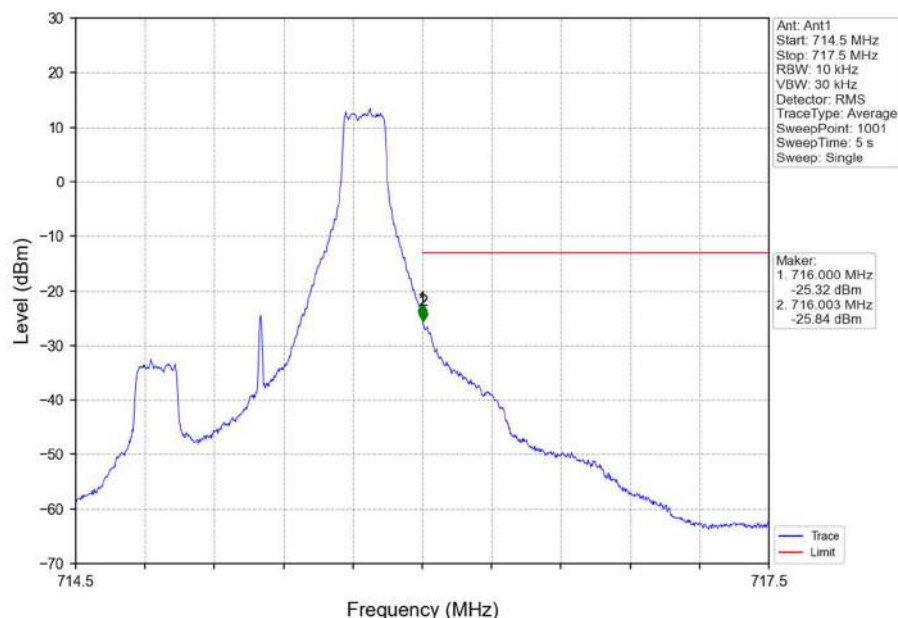
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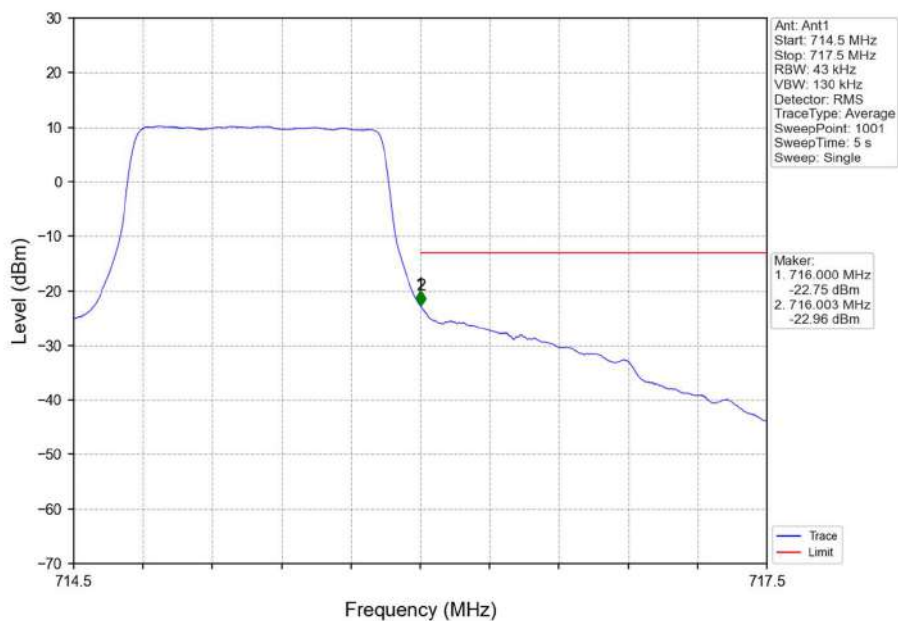
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6.2 B12_3MHz

6.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV						
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
	707.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	714.5	1	14	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
	707.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	714.5	1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass



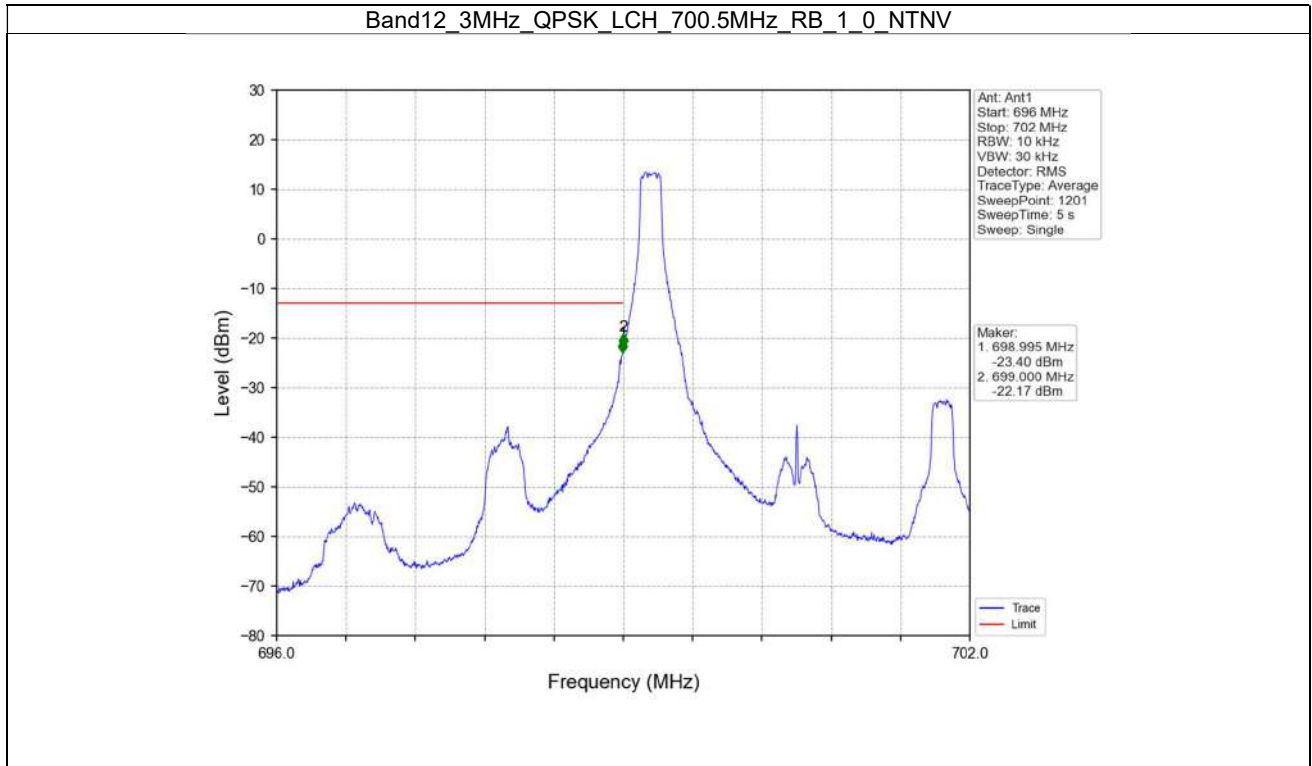
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6.2.2 Test Graph



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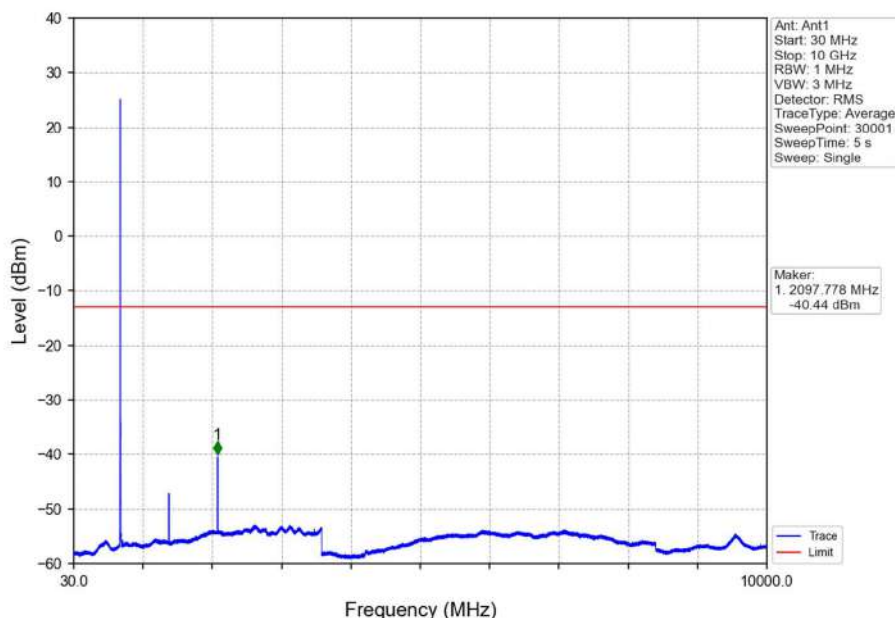
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Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



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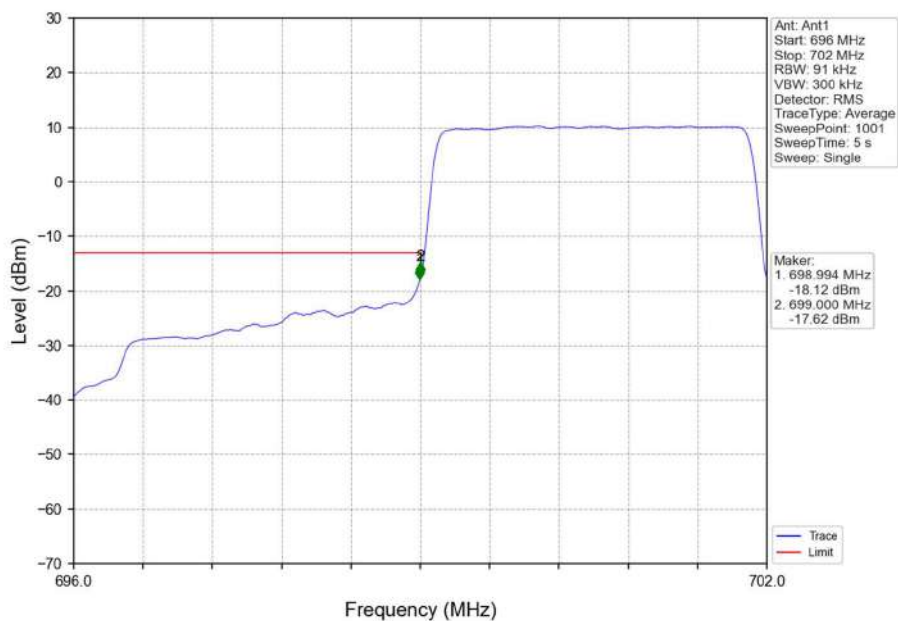
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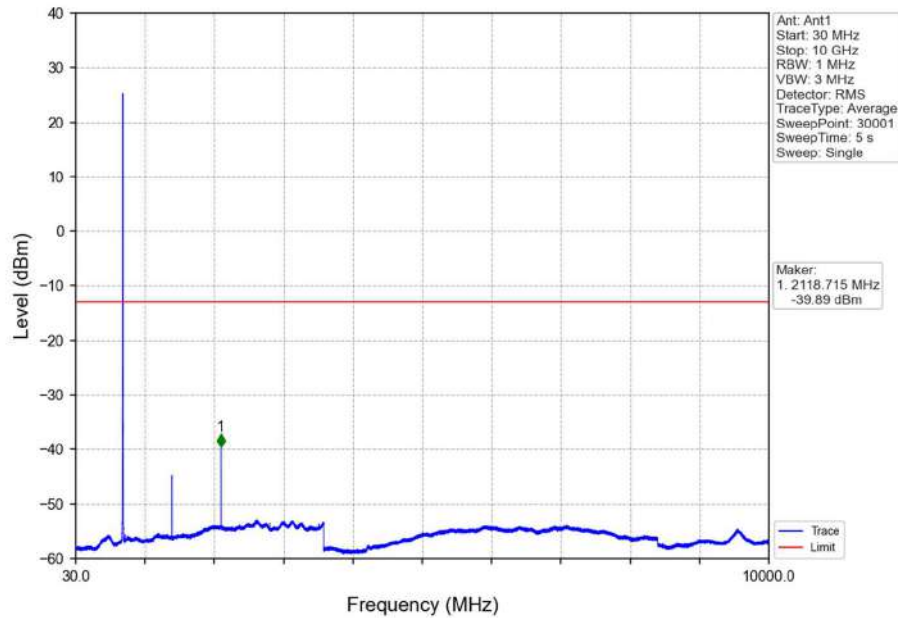
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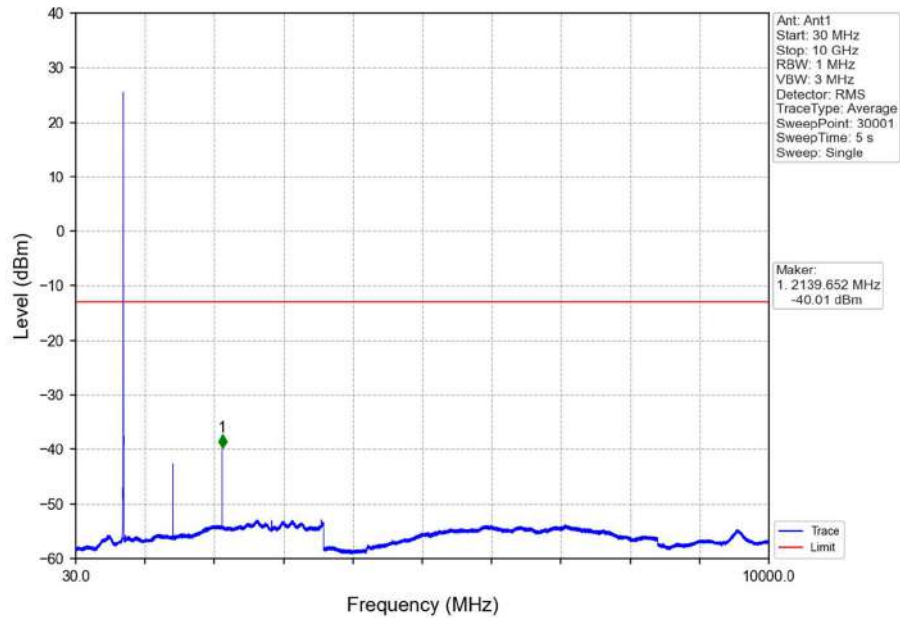
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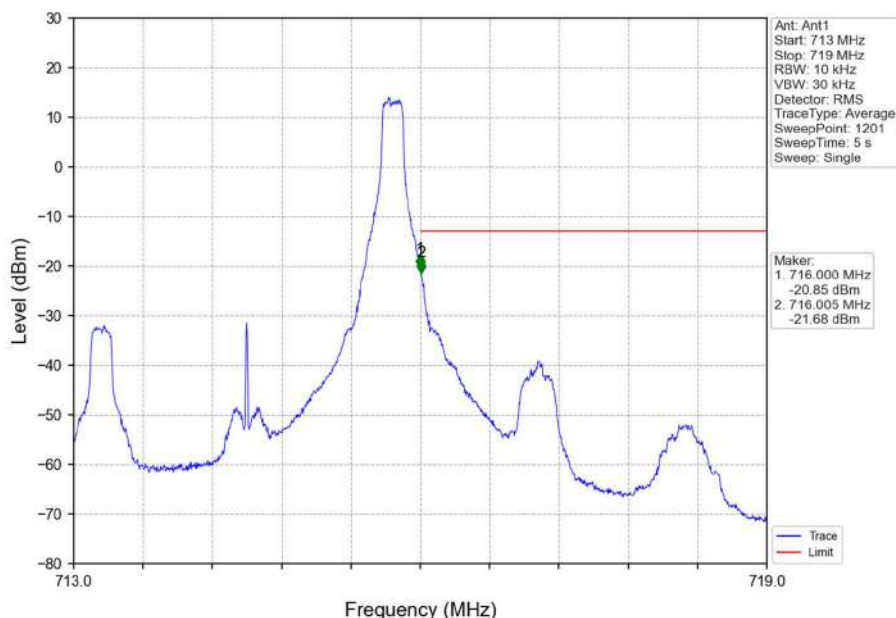
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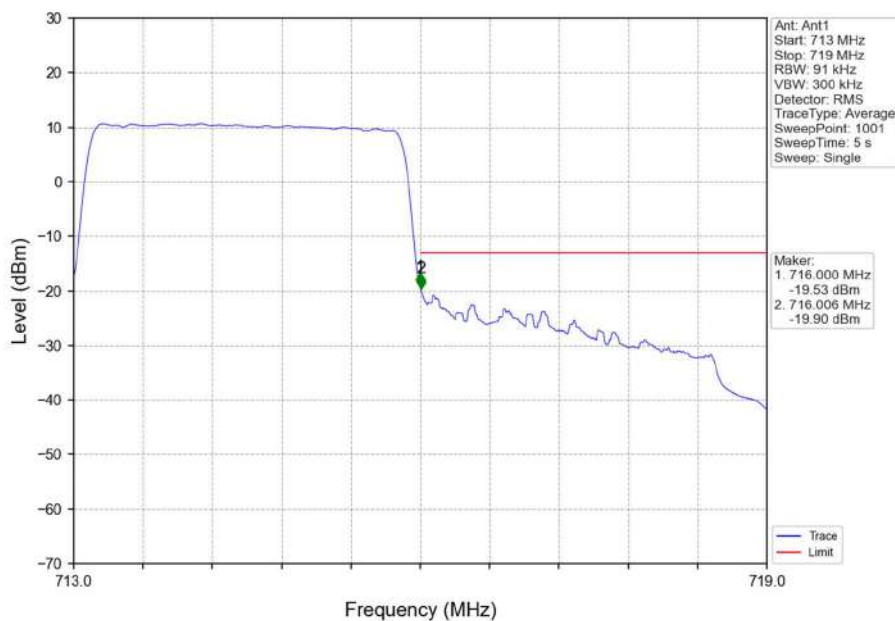
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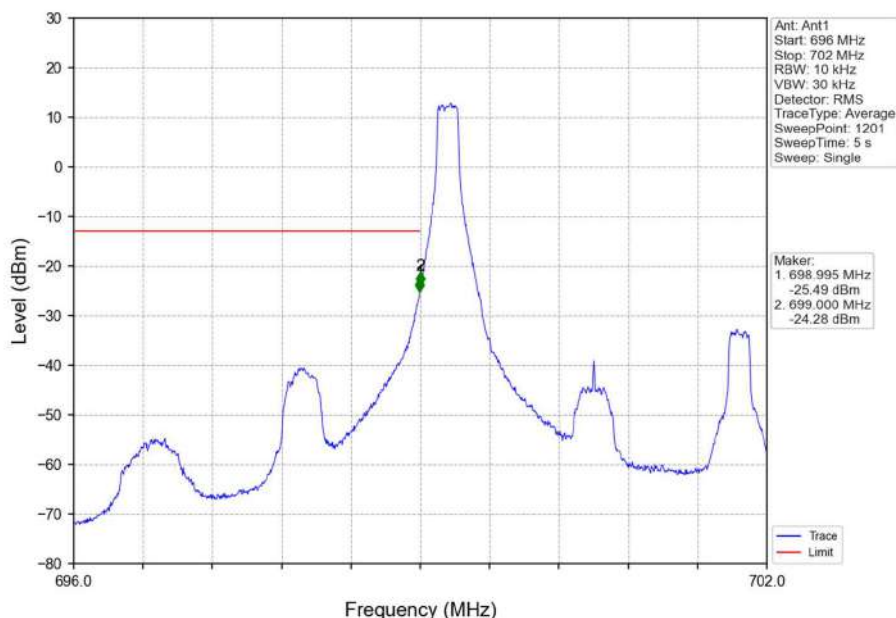
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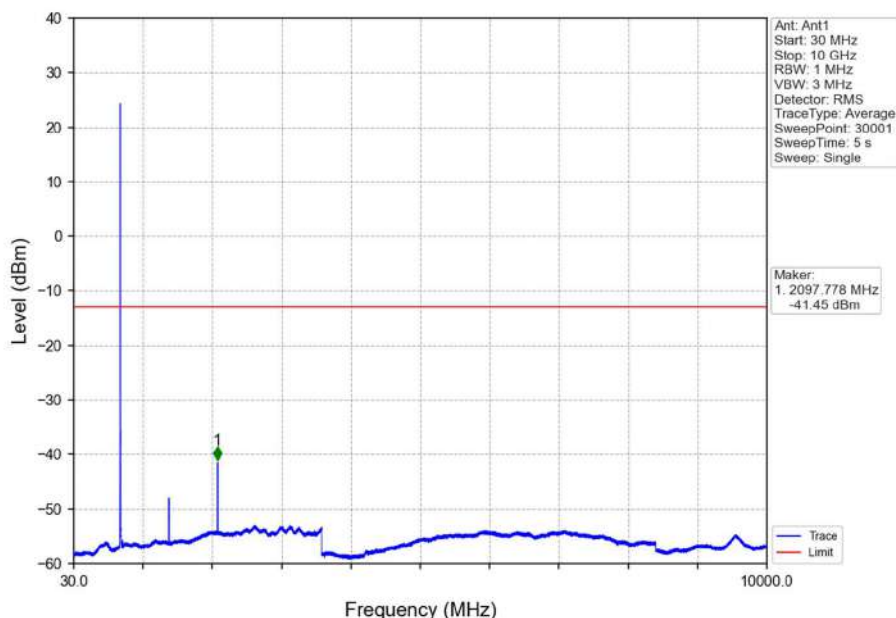
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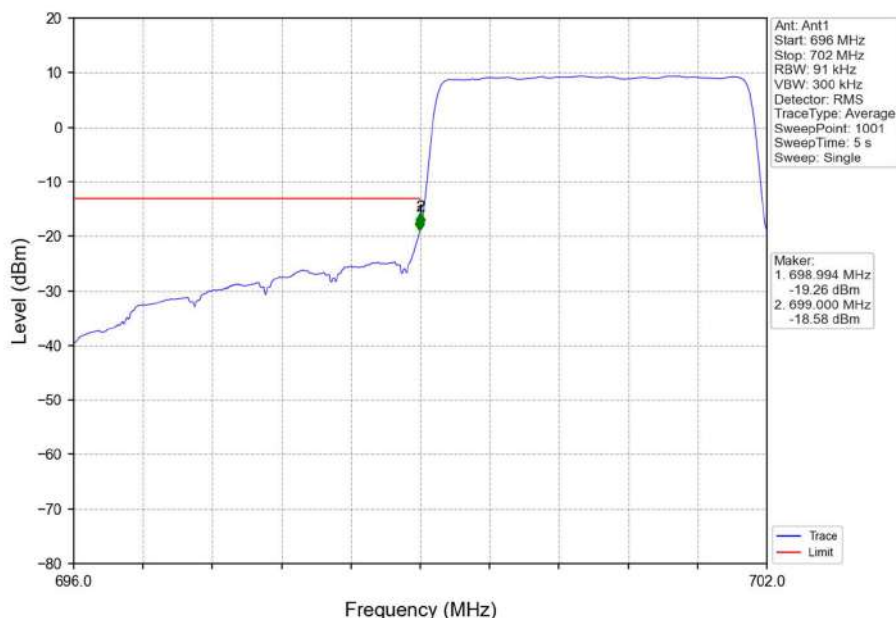
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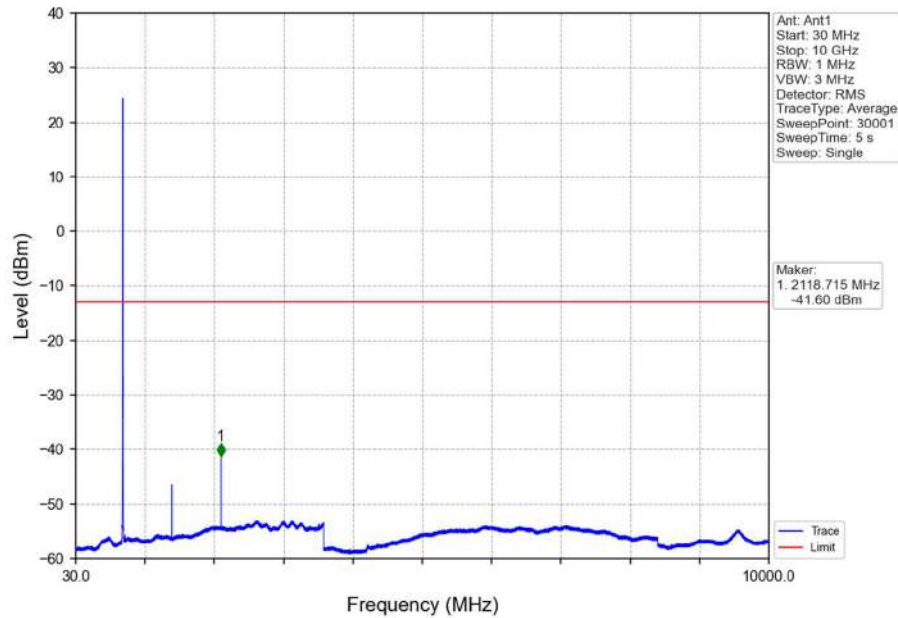
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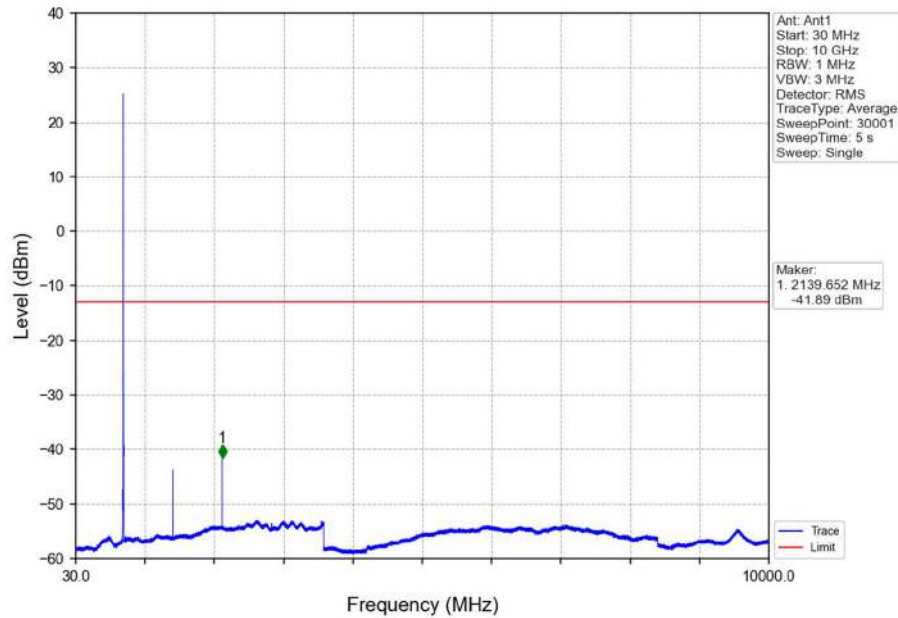
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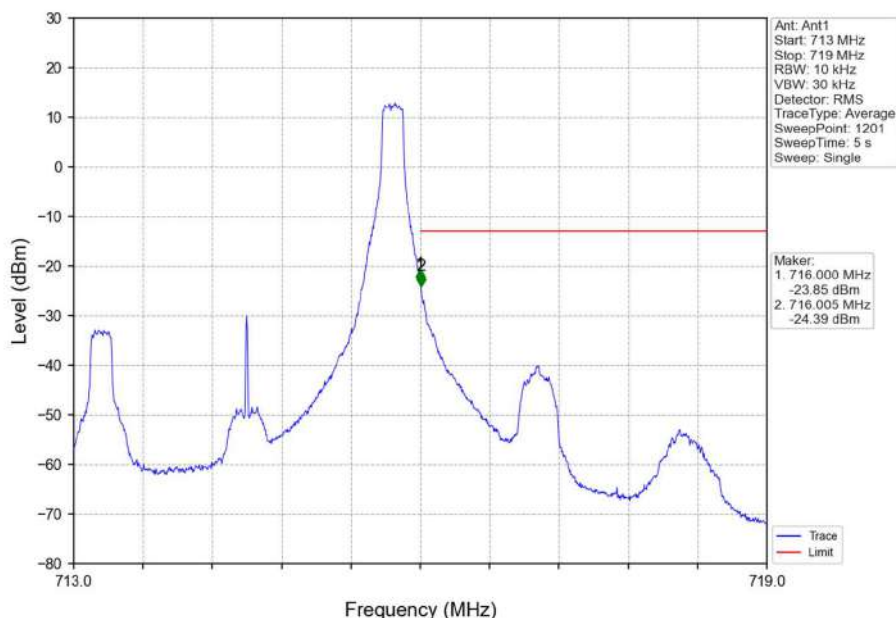
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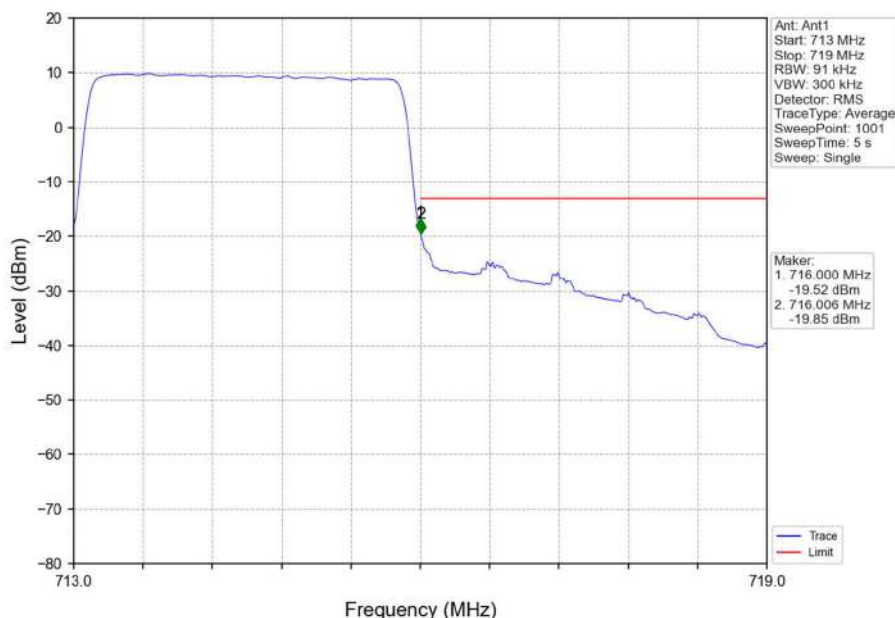
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6.3 B12_5MHz

6.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV						
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
	713.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		25	0	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
	713.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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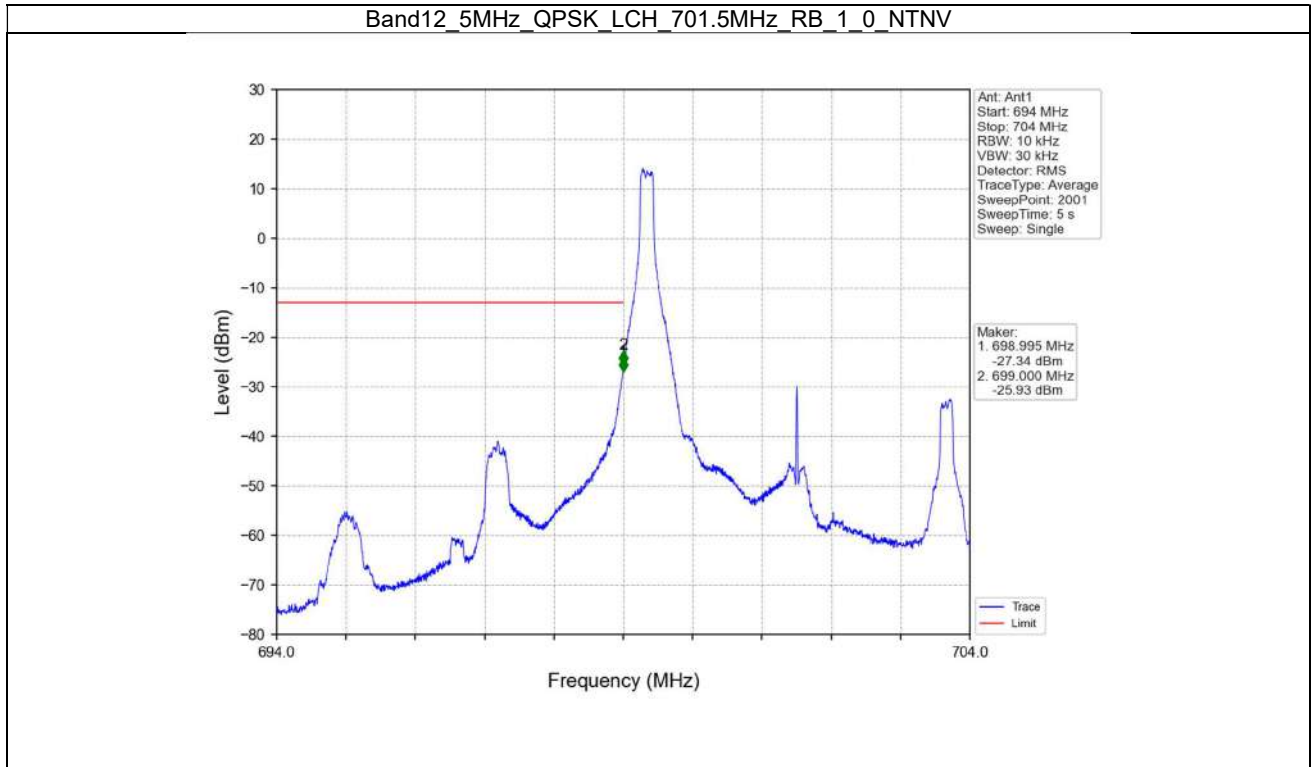
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6.3.2 Test Graph



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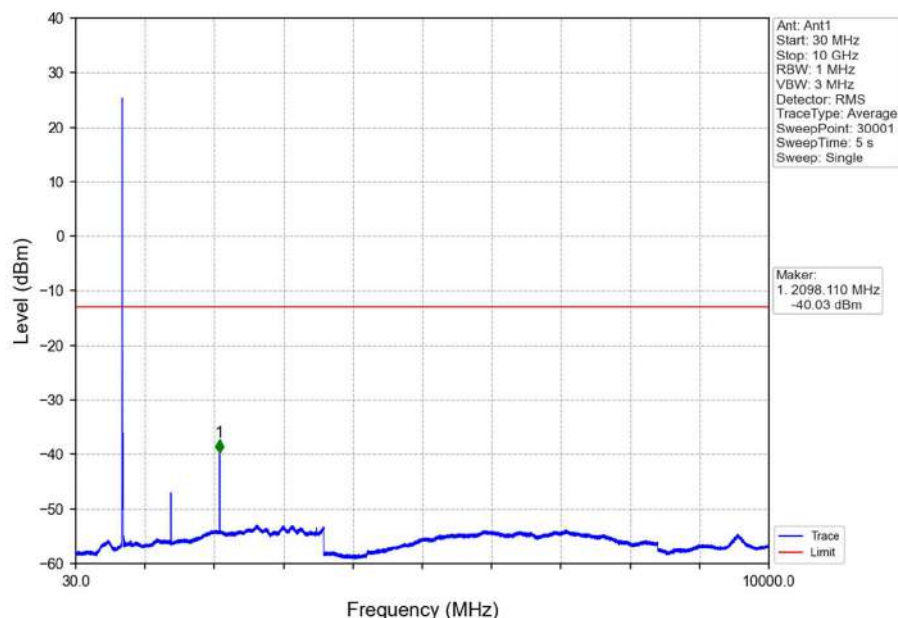
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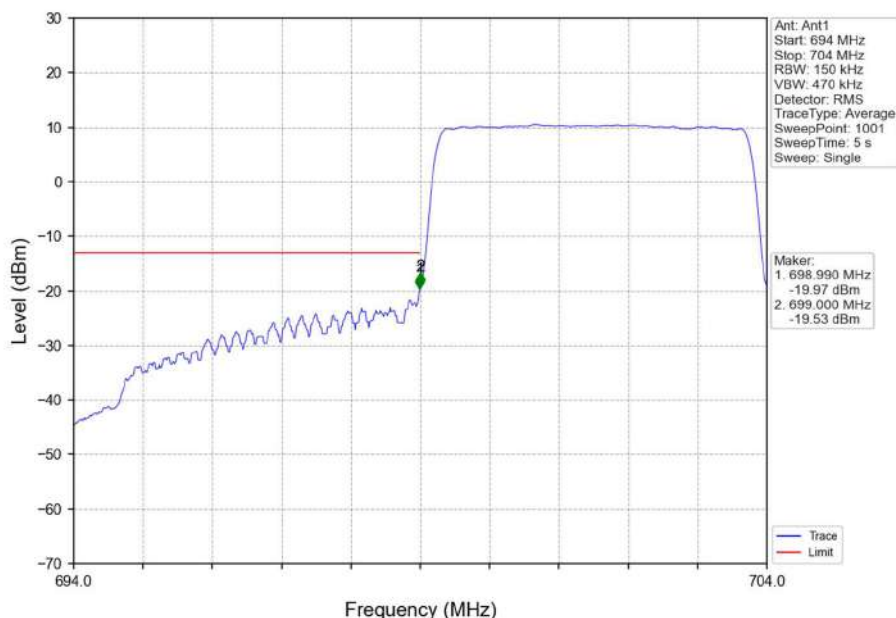
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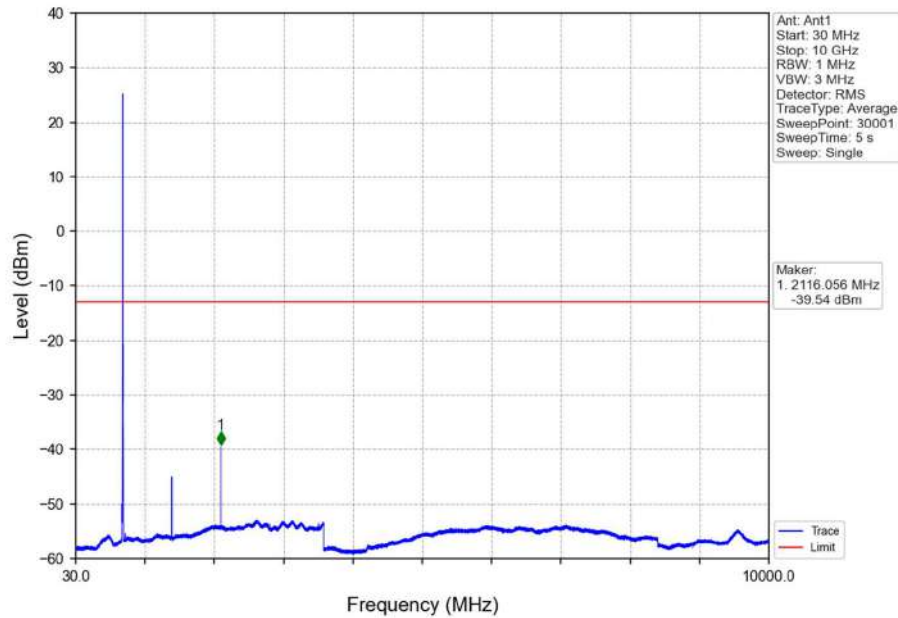
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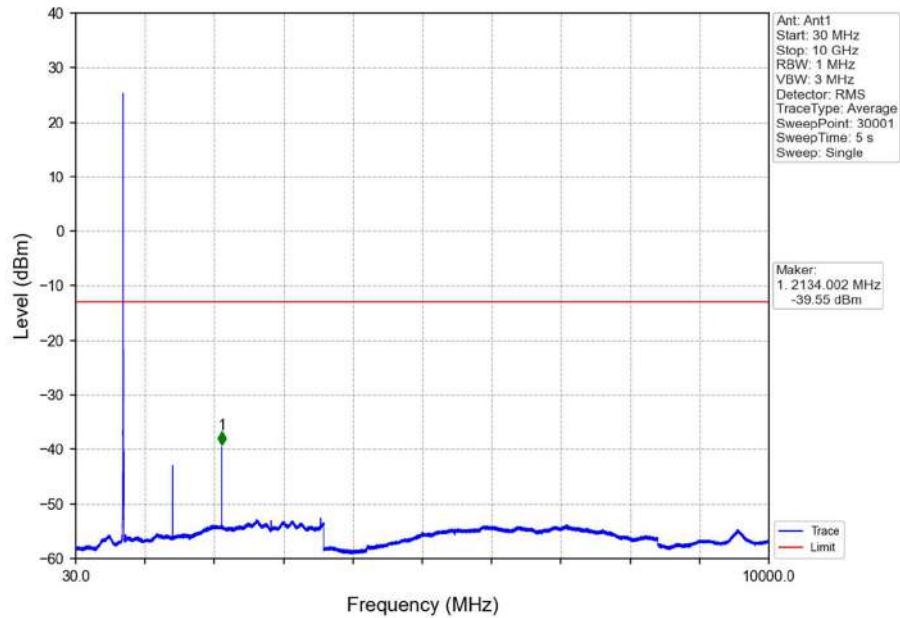
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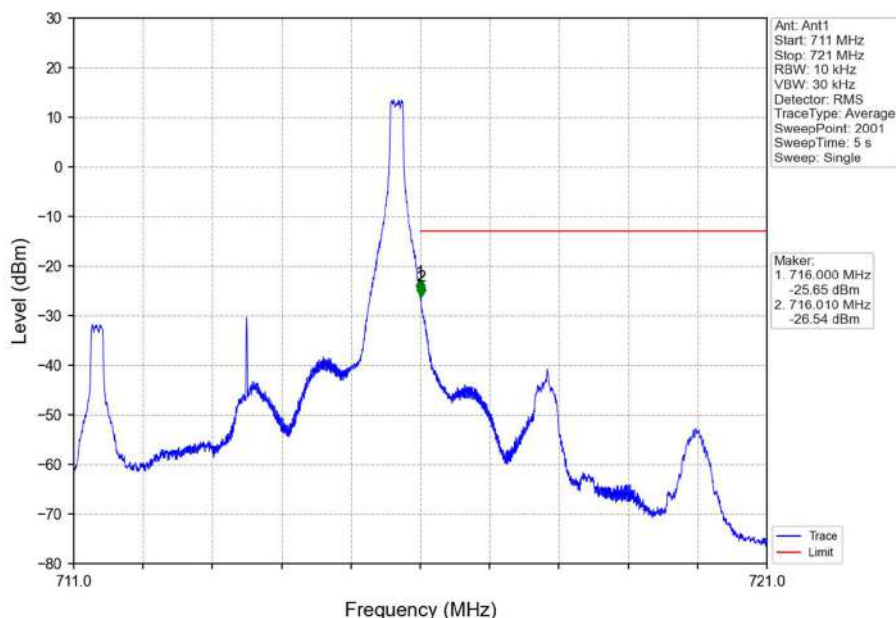
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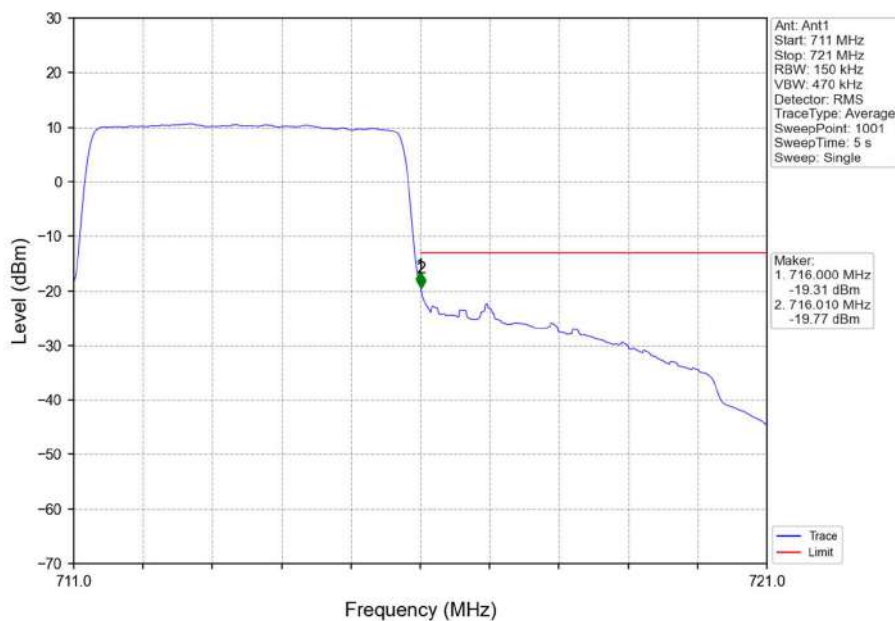
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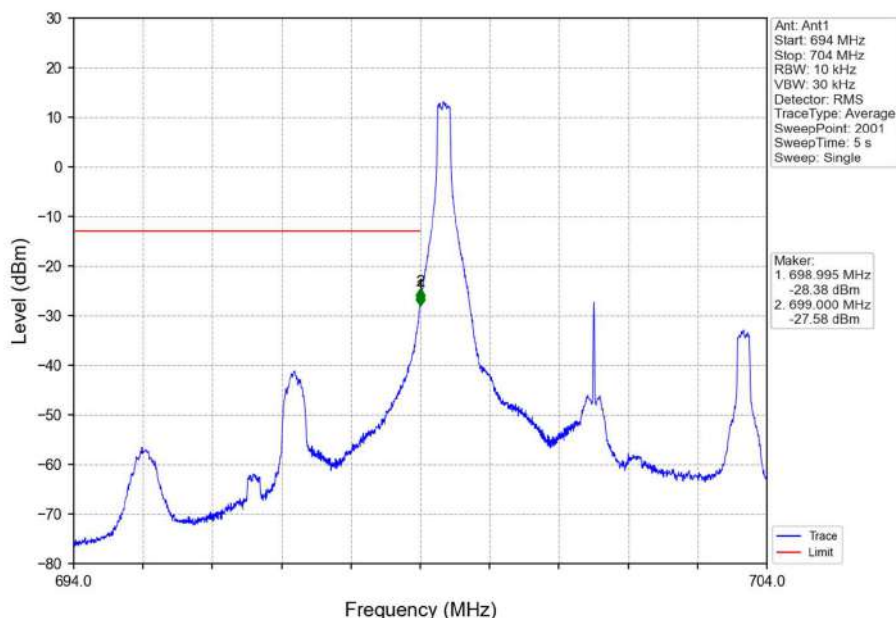
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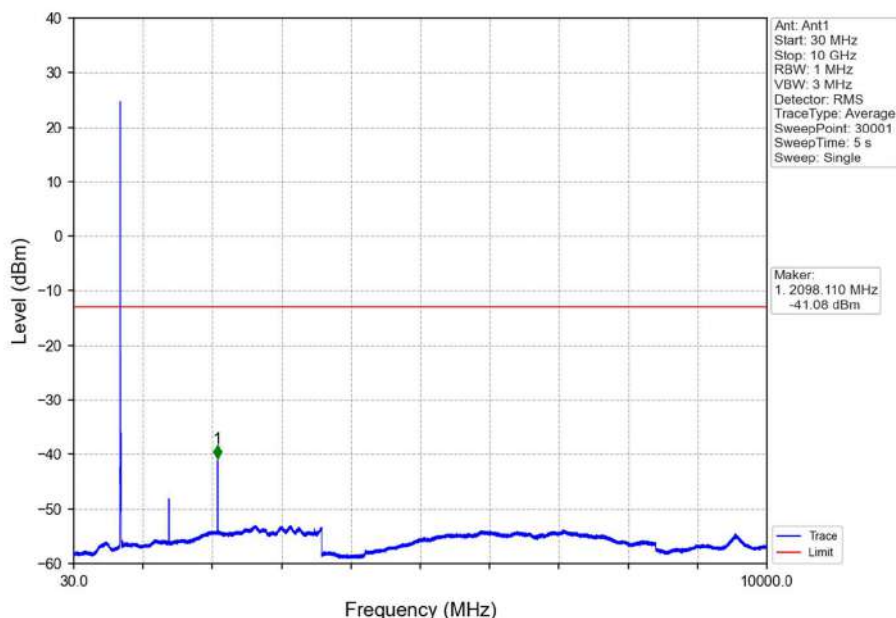
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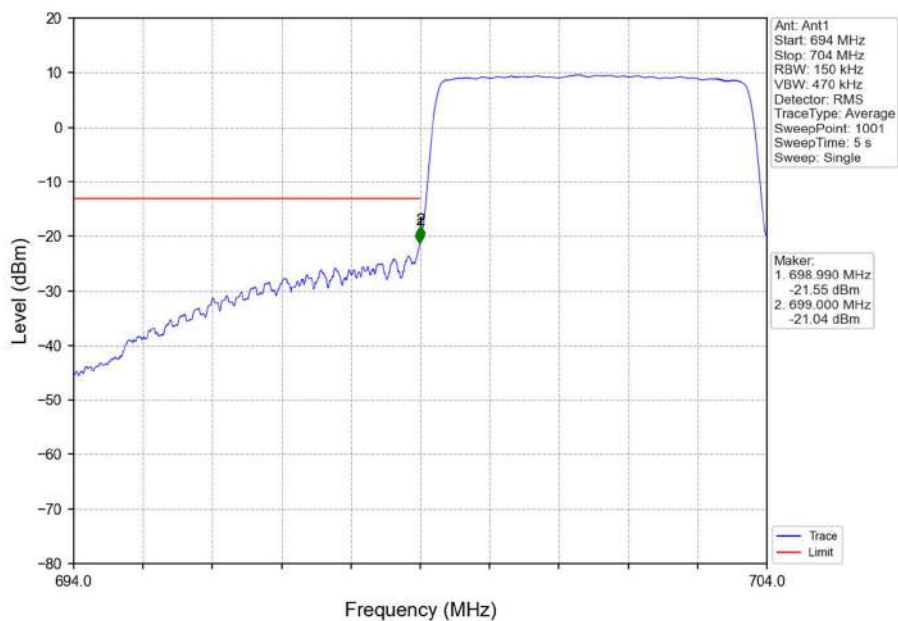
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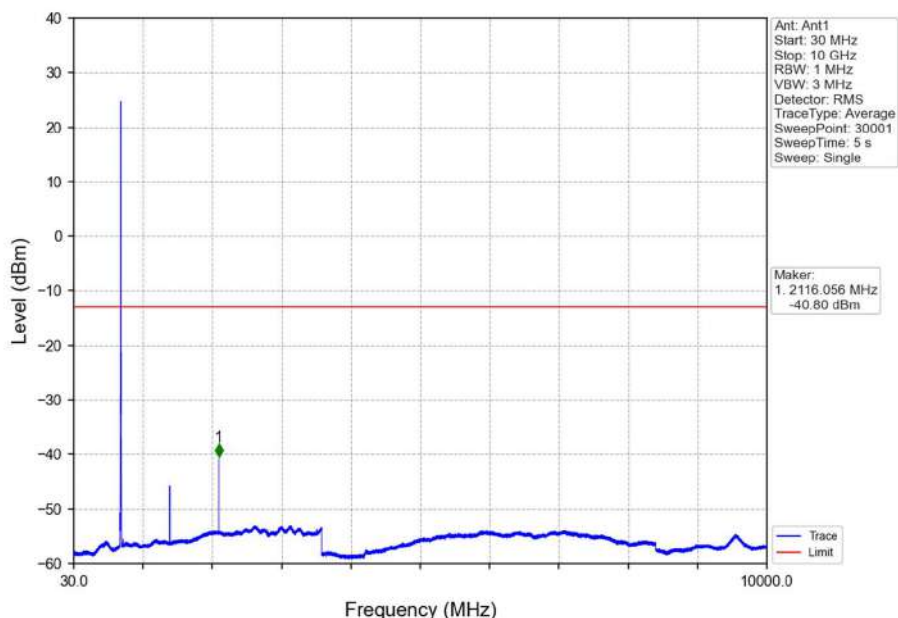
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Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



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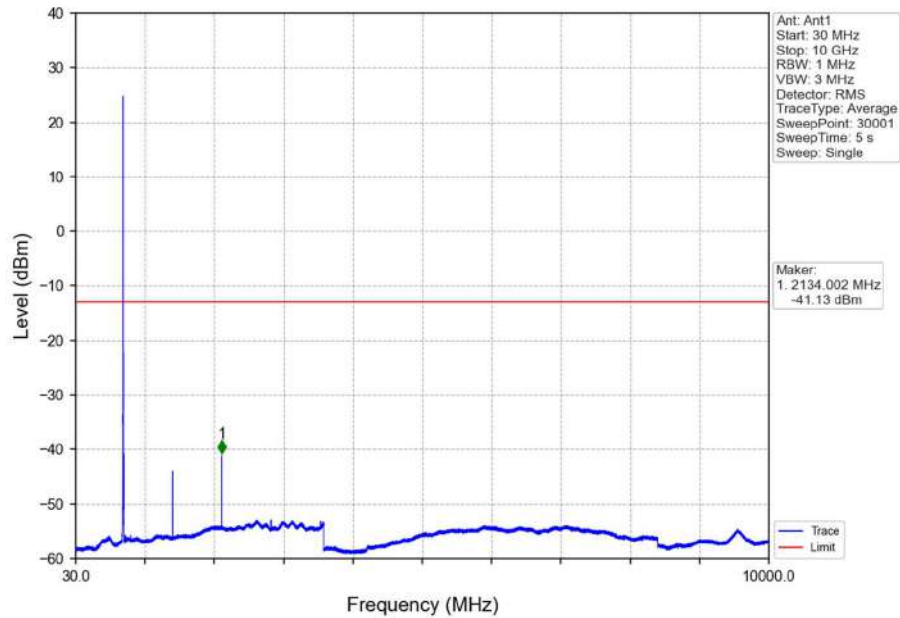
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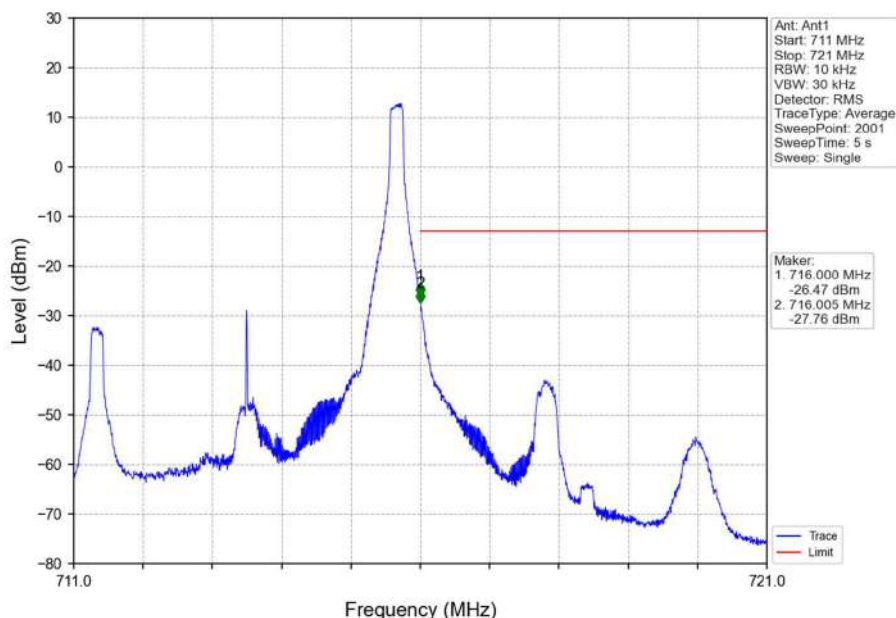
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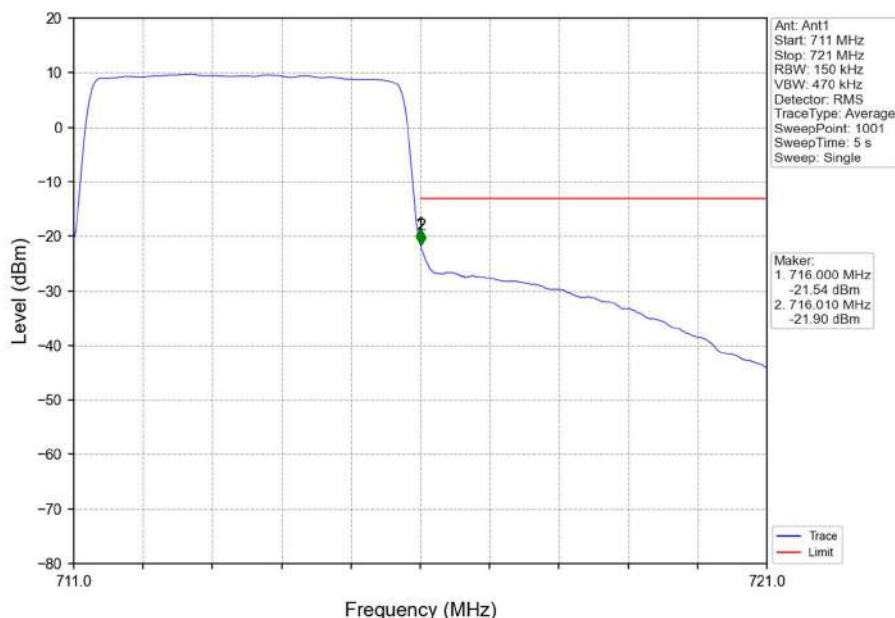
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6.4 B12_10MHz

6.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
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
		1	0	Refer To Test Graph		Pass
	711	1	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
		1	0	Refer To Test Graph		Pass
	711	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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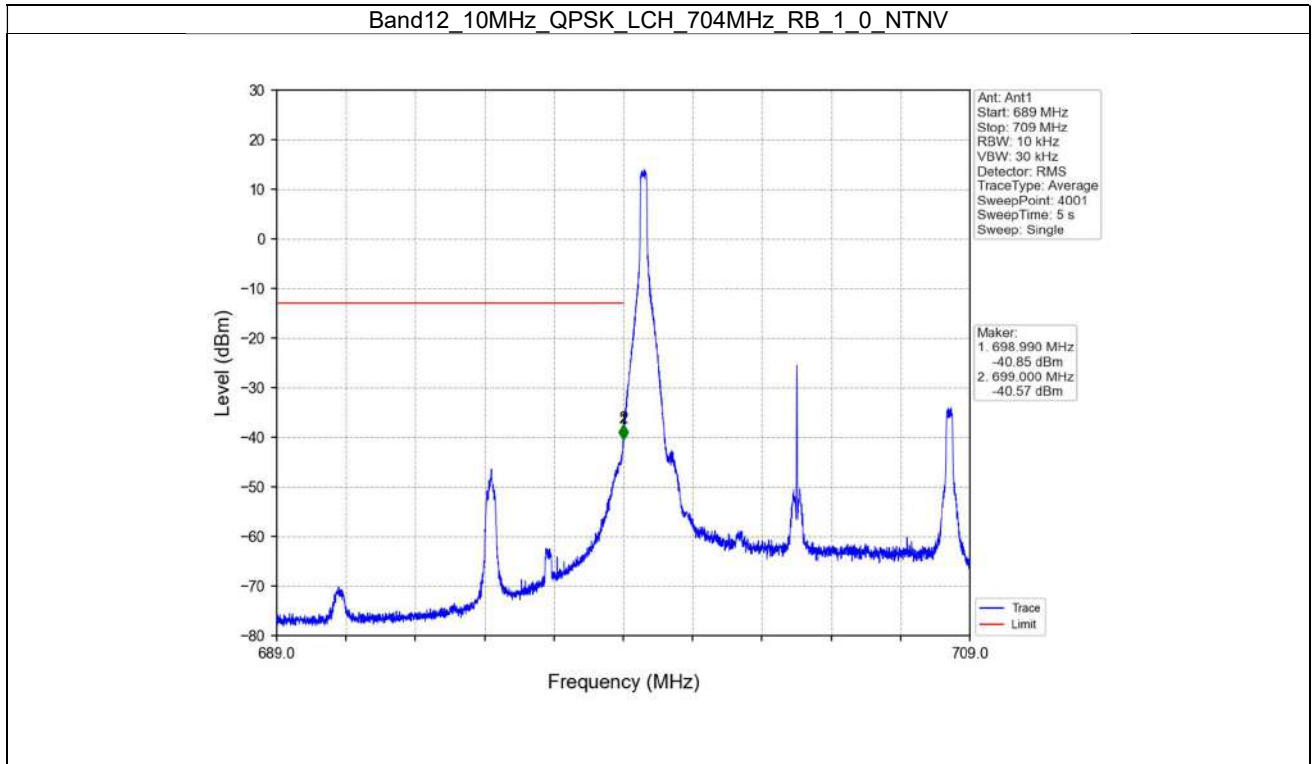
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6.4.2 Test Graph



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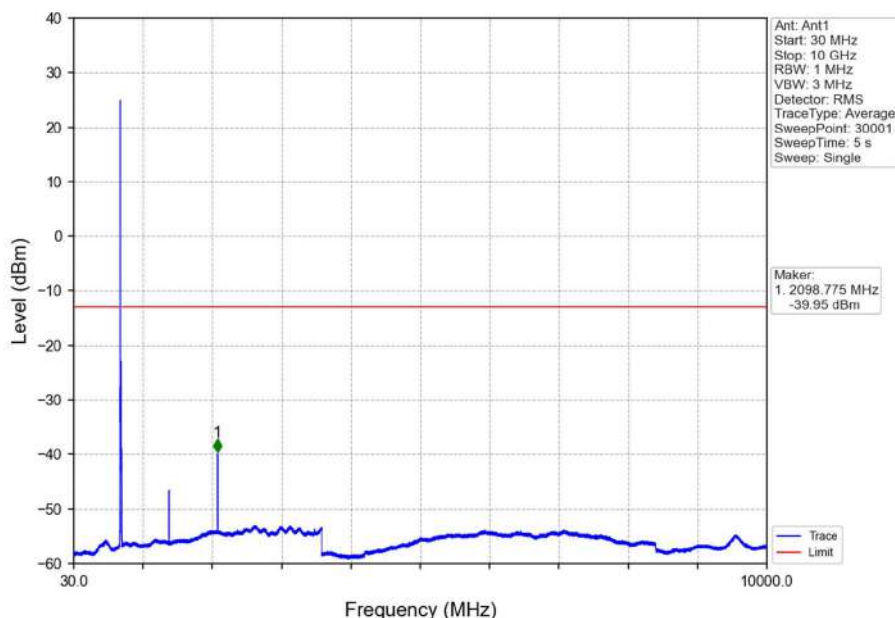
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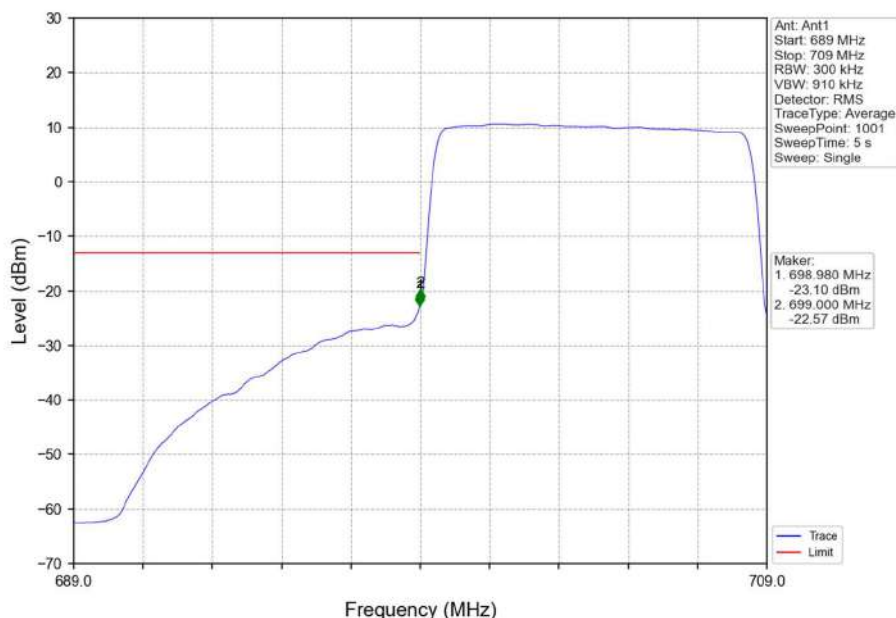
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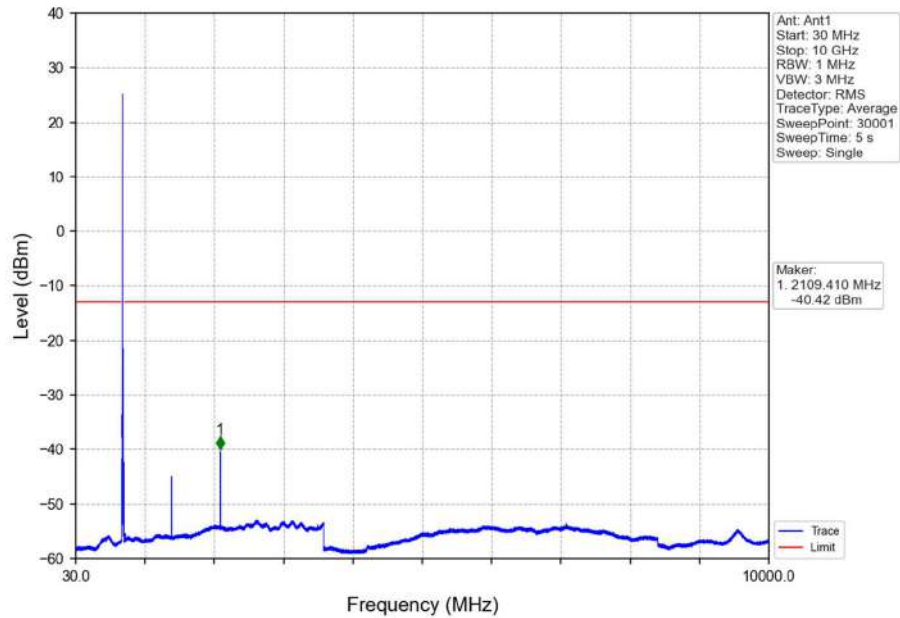
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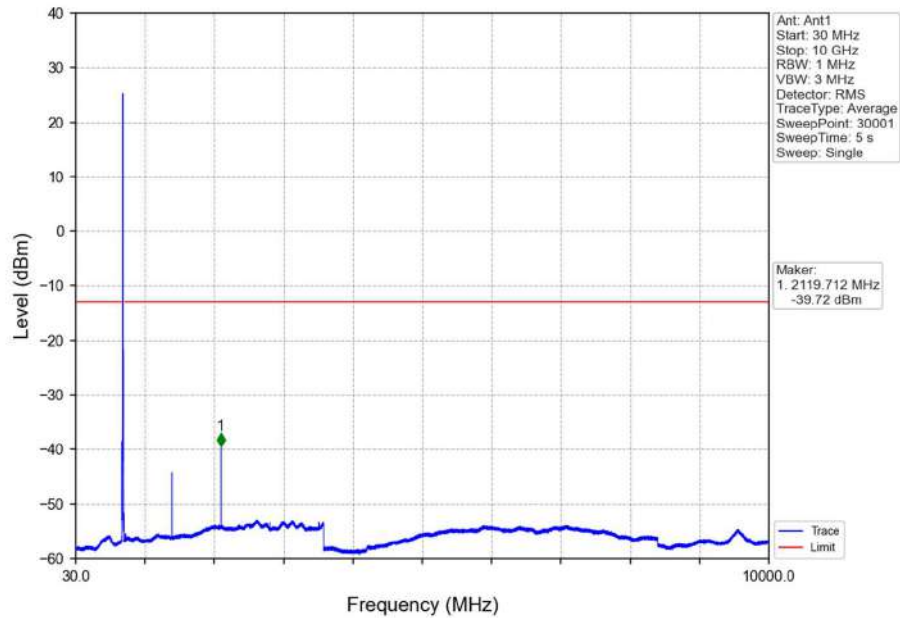
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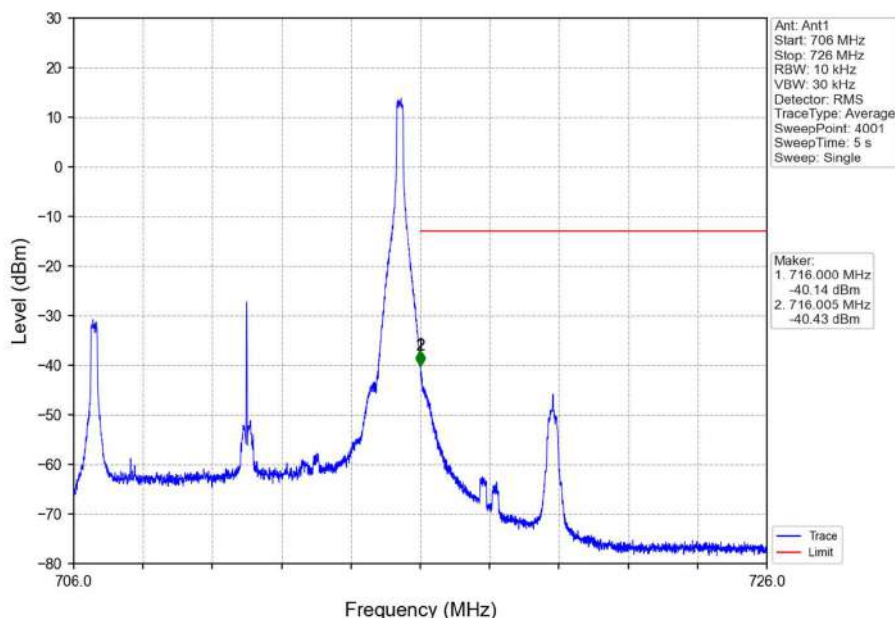
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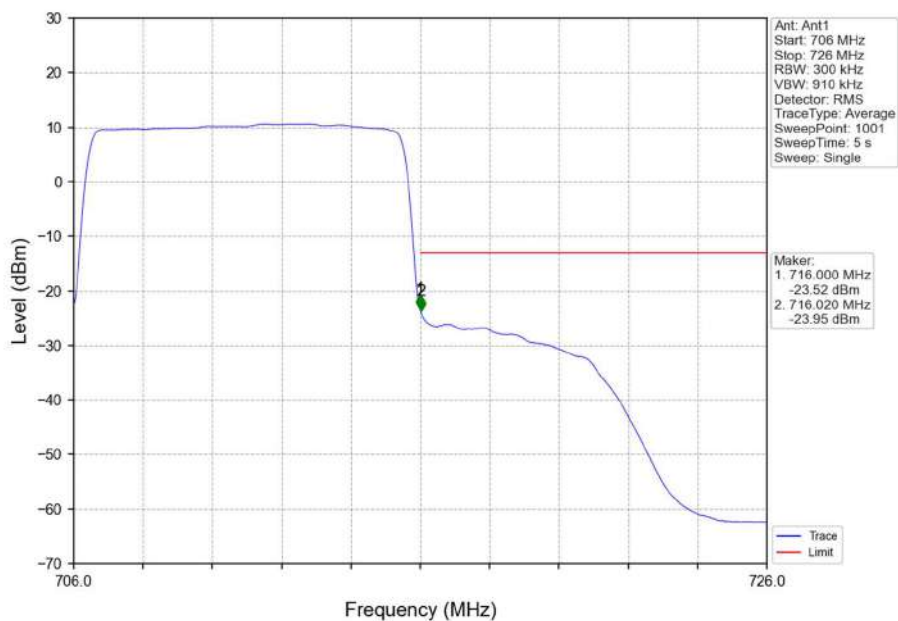
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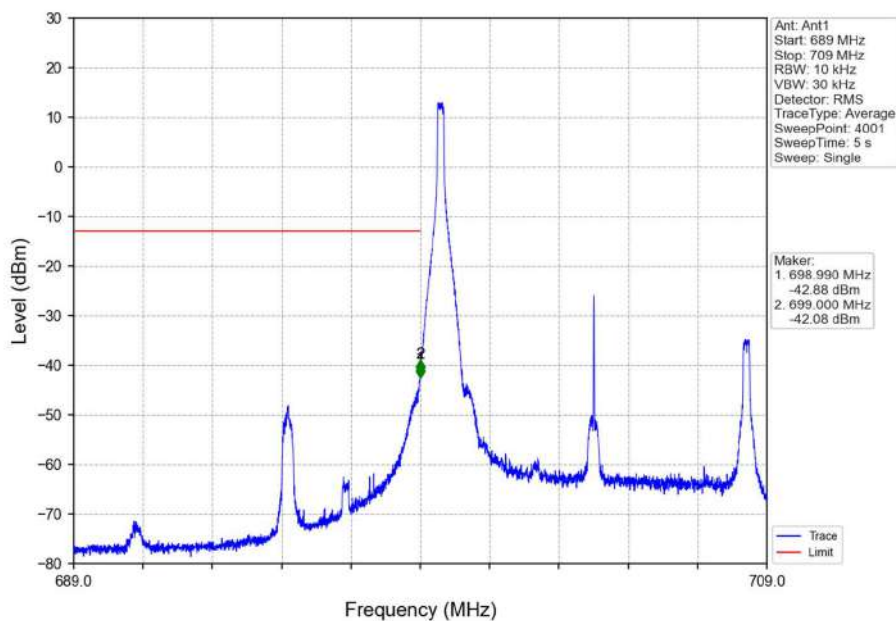
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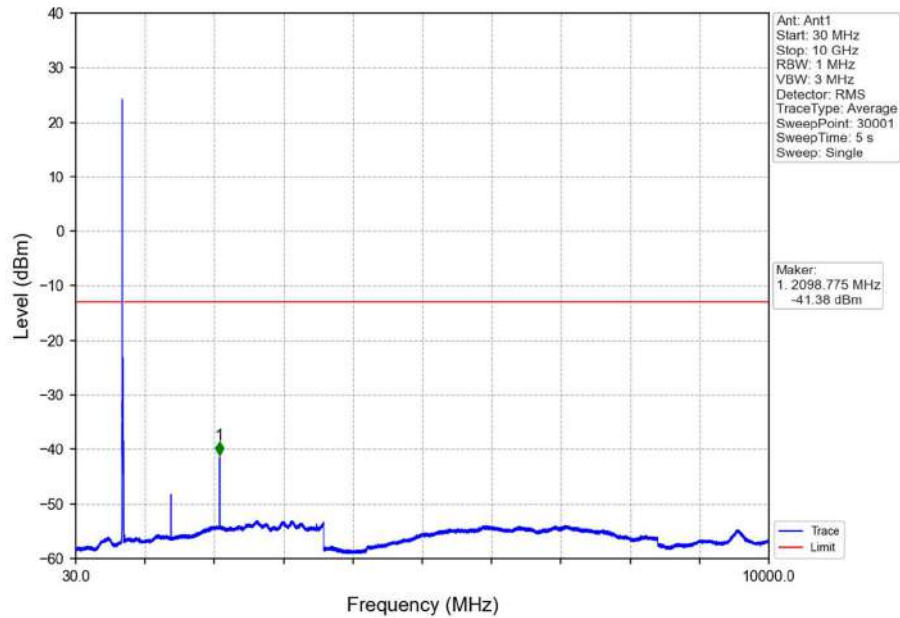
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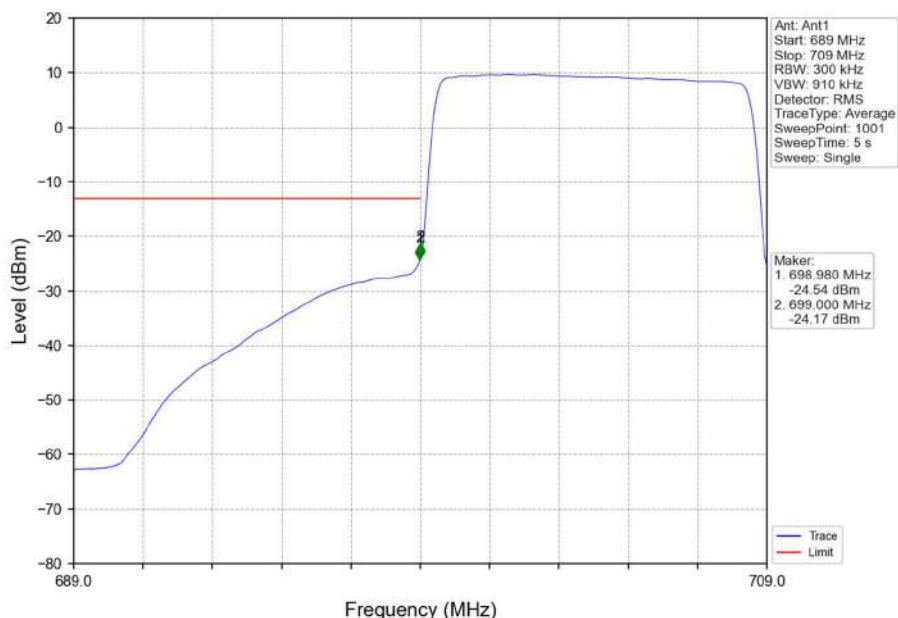
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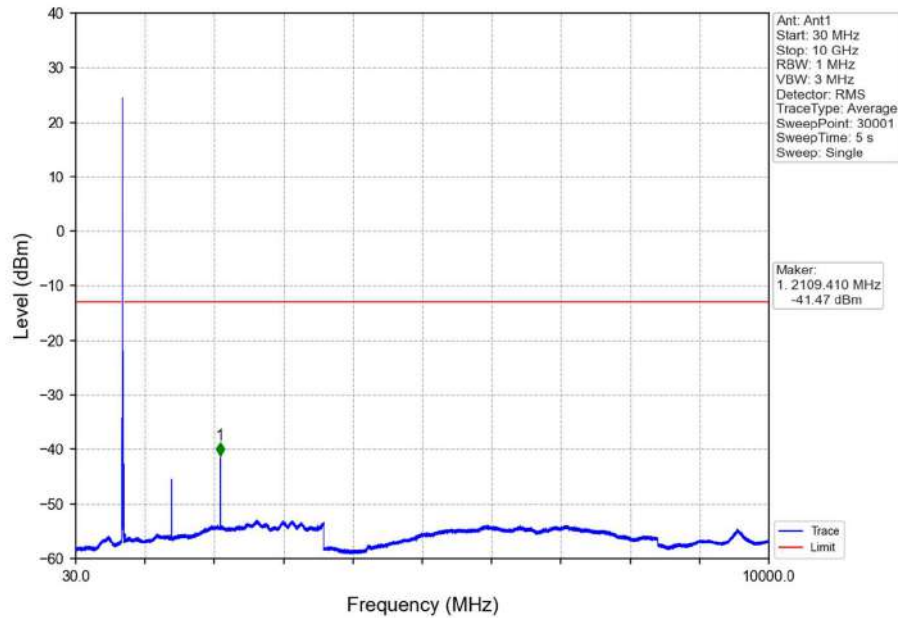
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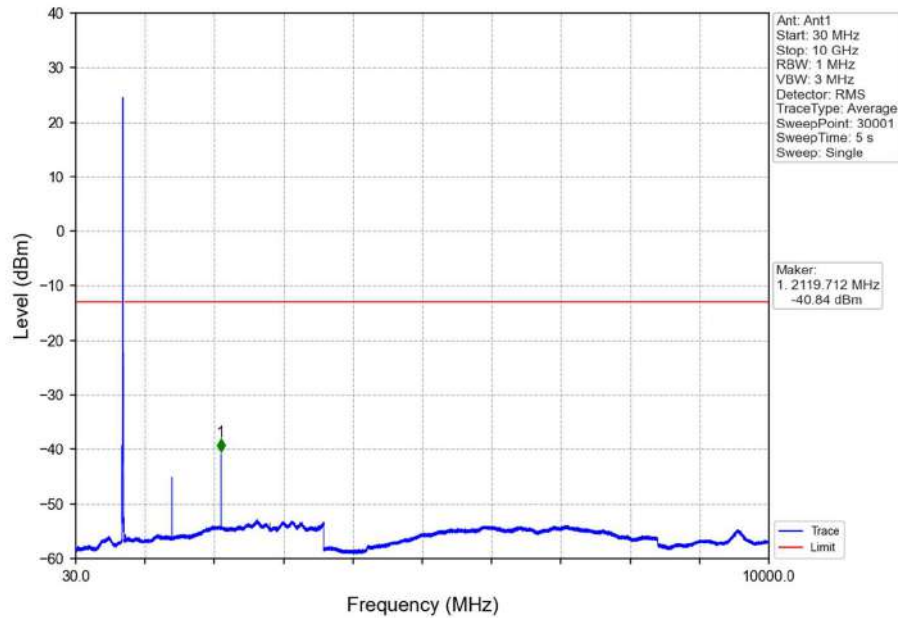
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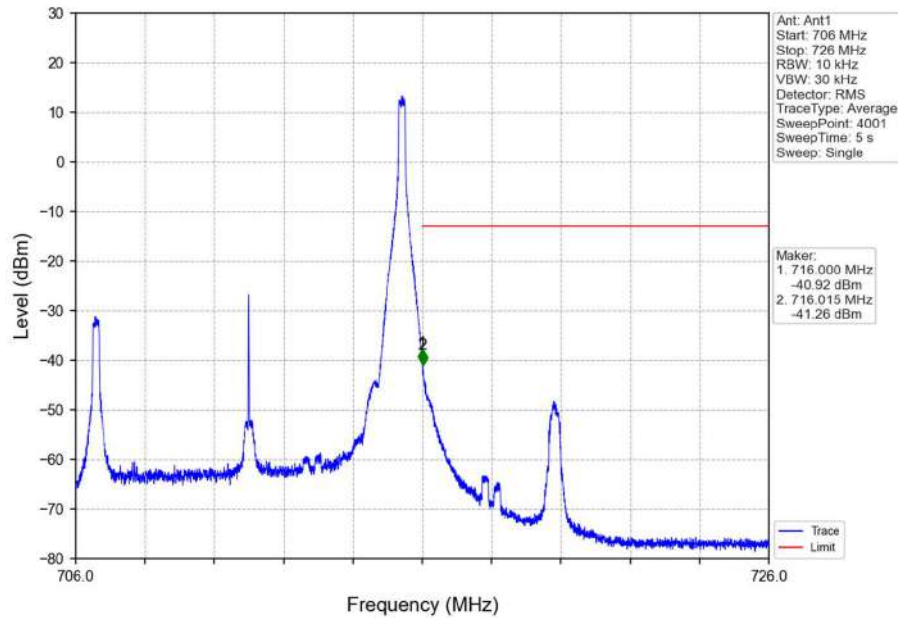
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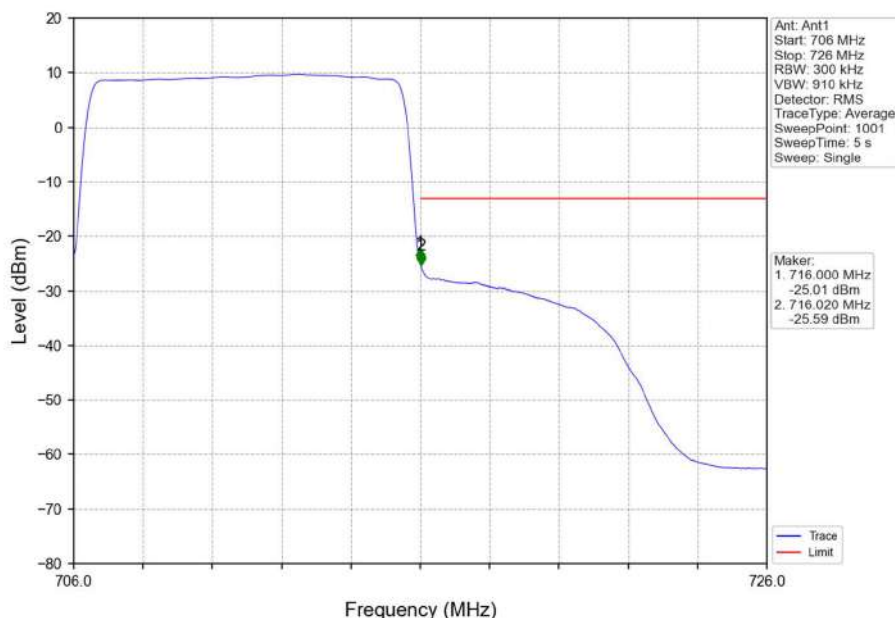
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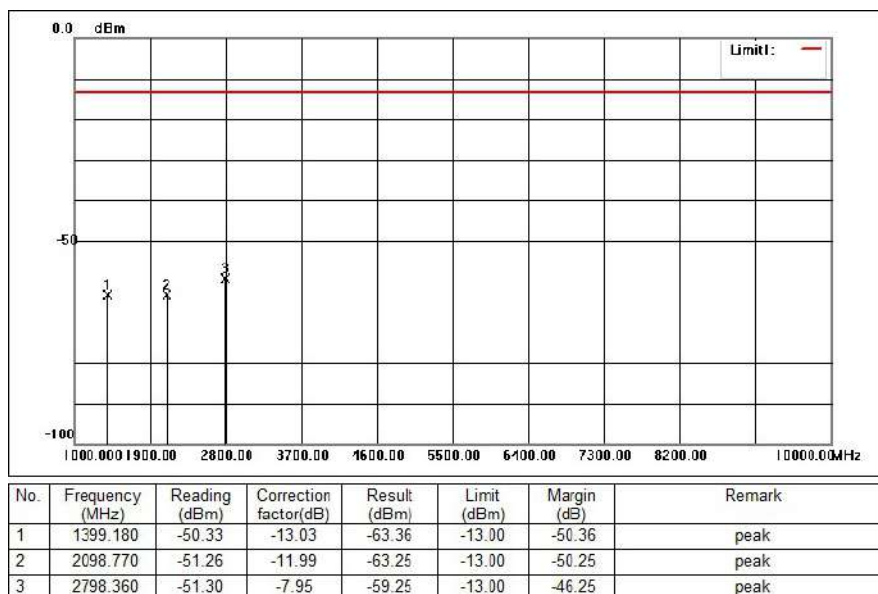


7. Field Strength of Spurious Radiation

Up Antenna

LTE BAND 12-10MHz-Low channel

Polarization: H



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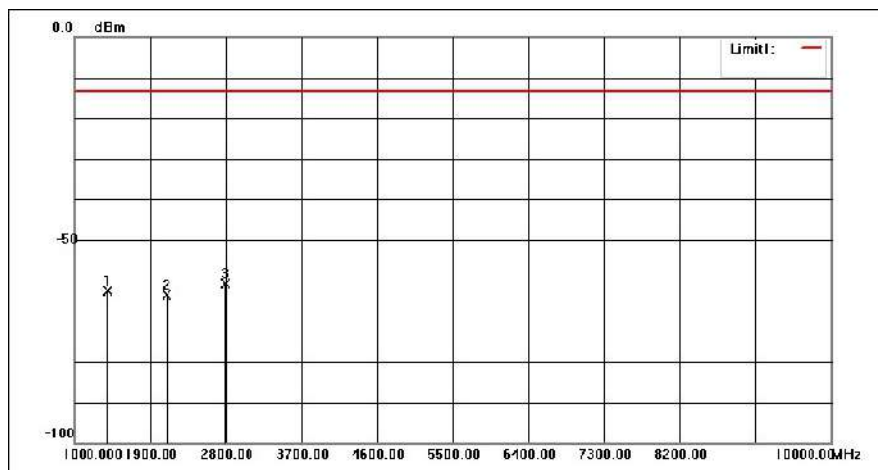
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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1399.180	-49.49	-13.03	-62.52	-13.00	-49.52	peak
2	2098.770	-51.55	-11.99	-63.54	-13.00	-50.54	peak
3	2798.360	-52.92	-7.95	-60.87	-13.00	-47.87	peak



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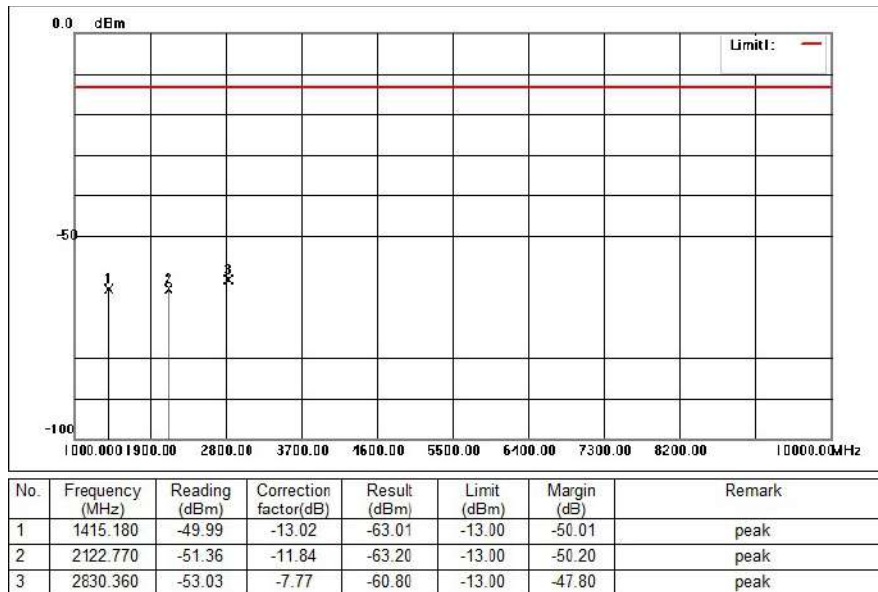
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LTE BAND 12-10MHz-Middle channel

Polarization: H



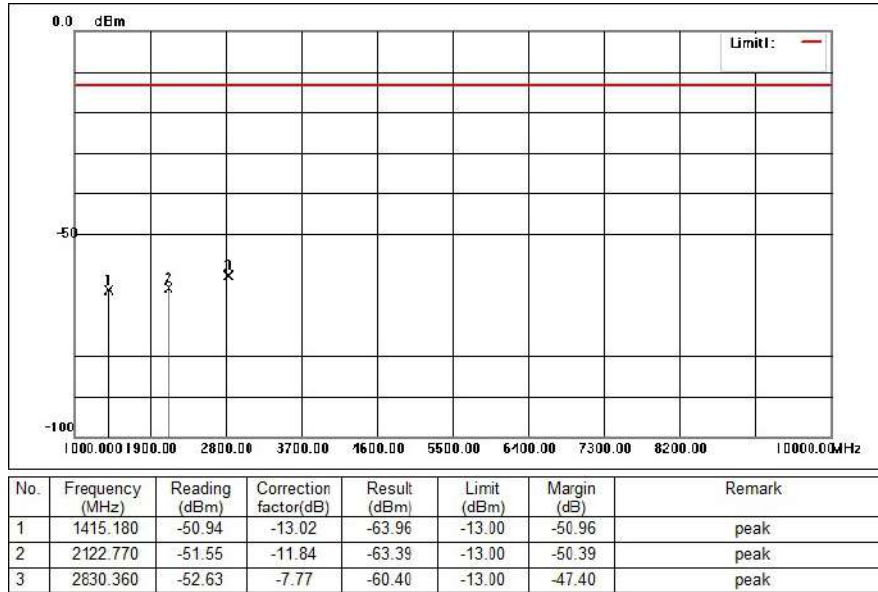
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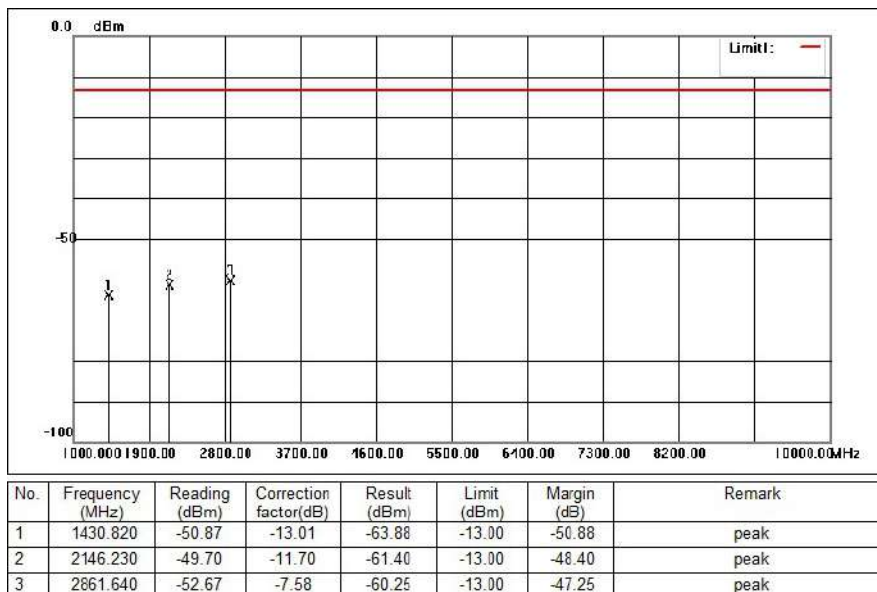
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LTE BAND 12-10MHz-High channel

Polarization: H

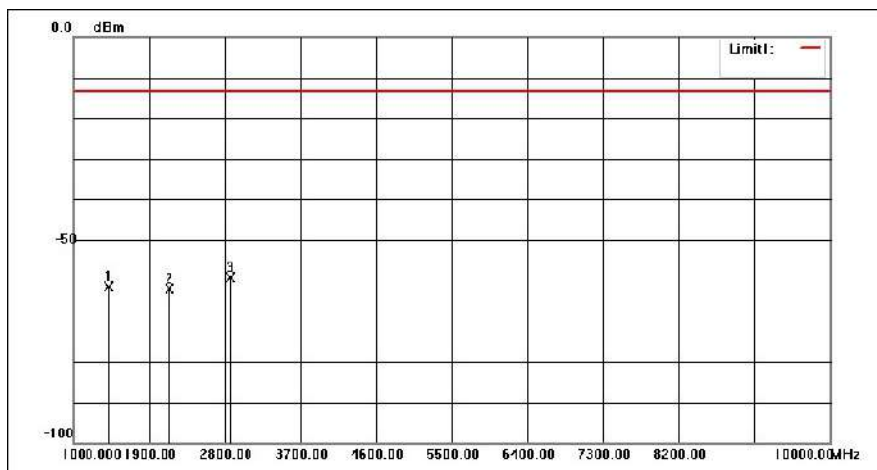


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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1430.820	-48.52	-13.01	-61.53	-13.00	-48.53	peak
2	2146.230	-50.39	-11.70	-62.09	-13.00	-49.09	peak
3	2861.640	-51.71	-7.58	-59.29	-13.00	-46.29	peak



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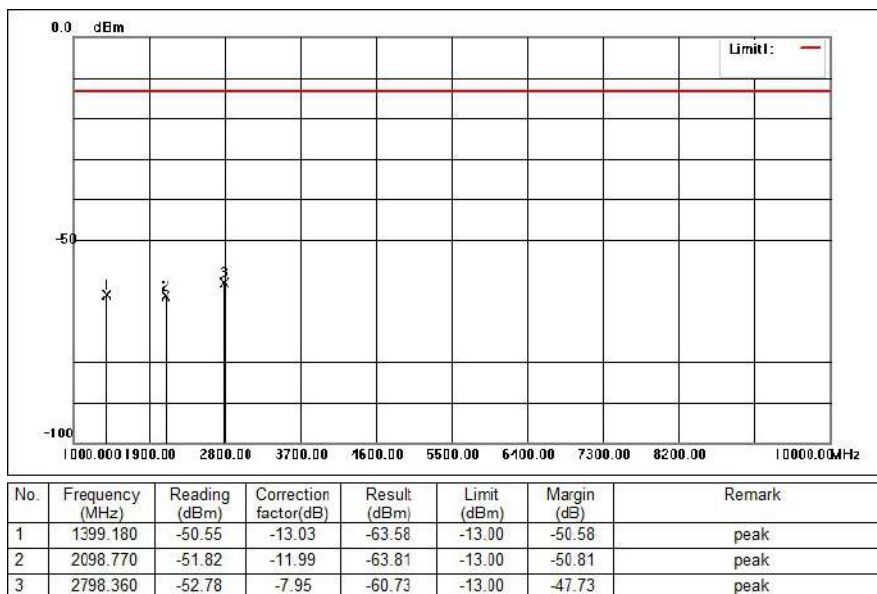
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Down Antenna

LTE BAND 12-10MHz-Low channel

Polarization: H



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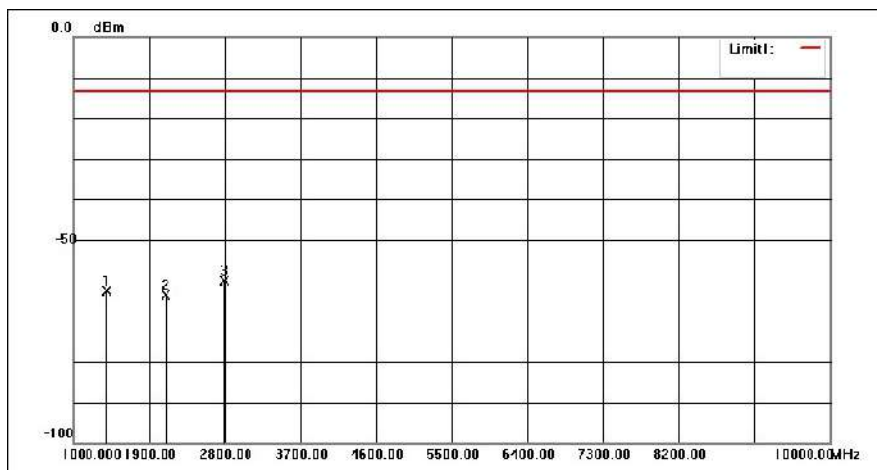
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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1399.180	-49.52	-13.03	-62.55	-13.00	-49.55	peak
2	2098.770	-51.74	-11.99	-63.73	-13.00	-50.73	peak
3	2798.360	-52.26	-7.95	-60.21	-13.00	-47.21	peak



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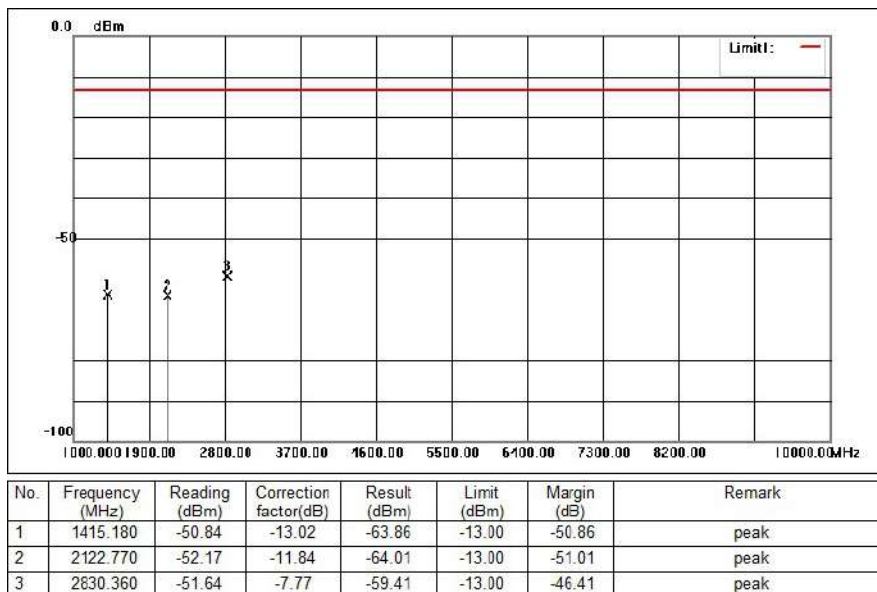
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LTE BAND 12-10MHz-Middle channel

Polarization: H



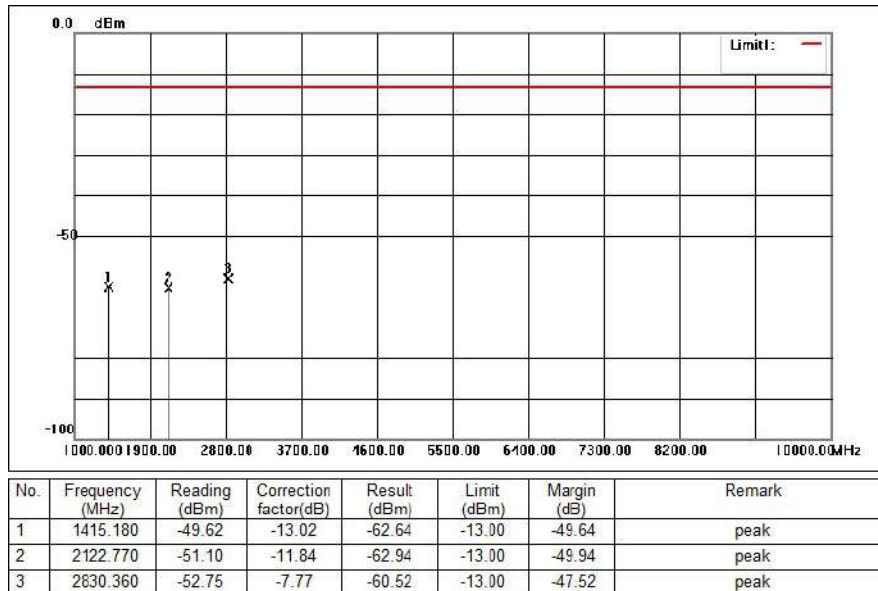
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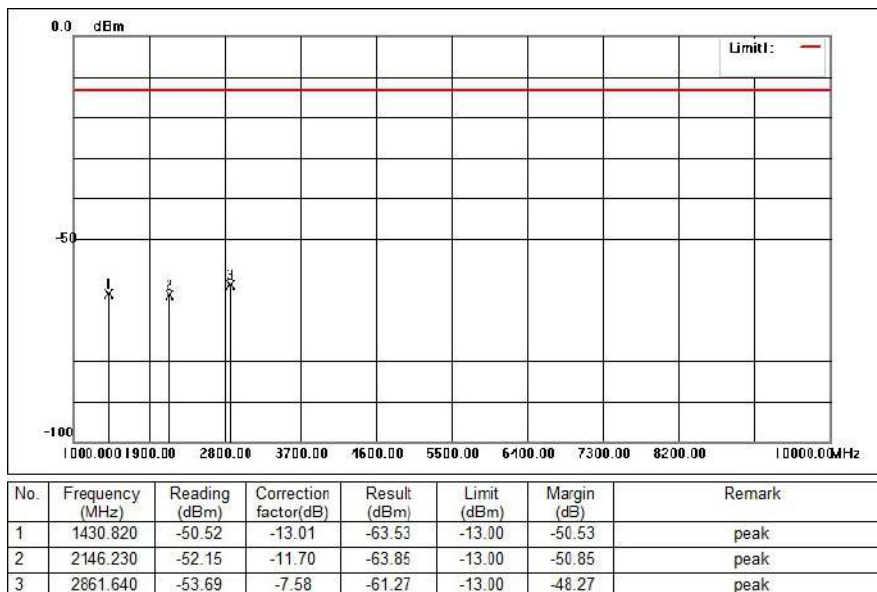
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LTE BAND 12-10MHz-High channel

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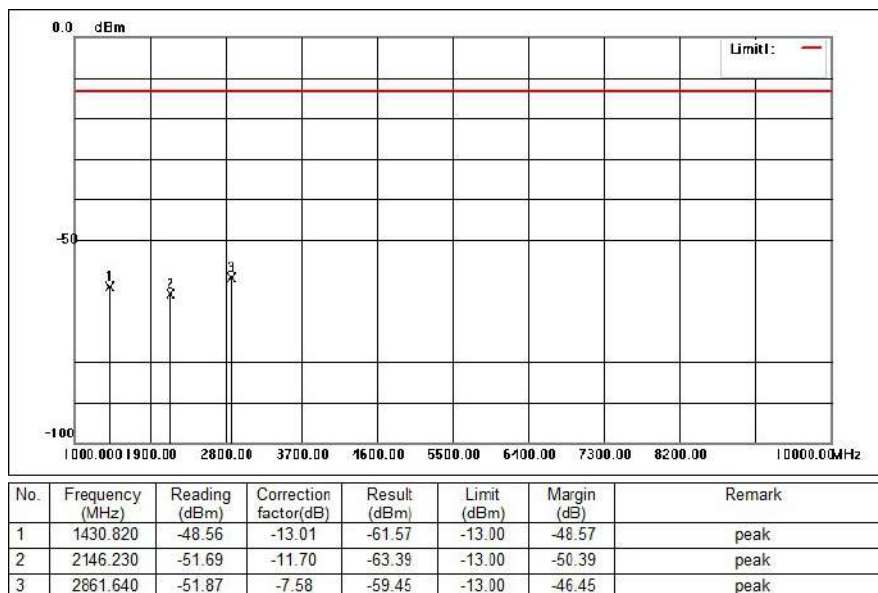
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Remark1:According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark2:The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.



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