



Appendix B.7 for KSEM2108001480CR-LTE-Band 4

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	22.95	-1.00	21.95	<=30	Pass
			2	22.51	-1.00	21.51	<=30	Pass
			5	22.53	-1.00	21.53	<=30	Pass
		3	0	22.44	-1.00	21.44	<=30	Pass
			2	22.45	-1.00	21.45	<=30	Pass
			3	22.29	-1.00	21.29	<=30	Pass
		6	0	21.30	-1.00	20.30	<=30	Pass
			0	22.60	-1.00	21.60	<=30	Pass
			2	22.79	-1.00	21.79	<=30	Pass
	1732.5	1	5	22.59	-1.00	21.59	<=30	Pass
			0	22.90	-1.00	21.90	<=30	Pass
			2	22.75	-1.00	21.75	<=30	Pass
		3	3	22.66	-1.00	21.66	<=30	Pass
			0	21.64	-1.00	20.64	<=30	Pass
			0	23.14	-1.00	22.14	<=30	Pass
		6	2	23.11	-1.00	22.11	<=30	Pass
			5	23.04	-1.00	22.04	<=30	Pass
			0	22.90	-1.00	21.90	<=30	Pass
	1754.3	1	2	23.03	-1.00	22.03	<=30	Pass
			3	22.98	-1.00	21.98	<=30	Pass
			0	21.93	-1.00	20.93	<=30	Pass
		3	0	21.32	-1.00	20.32	<=30	Pass
			2	21.23	-1.00	20.23	<=30	Pass
			5	21.38	-1.00	20.38	<=30	Pass
		6	0	21.37	-1.00	20.37	<=30	Pass
			2	21.43	-1.00	20.43	<=30	Pass
			3	21.39	-1.00	20.39	<=30	Pass
16QAM	1710.7	1	0	20.17	-1.00	19.17	<=30	Pass
			0	21.88	-1.00	20.88	<=30	Pass
			2	21.82	-1.00	20.82	<=30	Pass
		3	5	21.80	-1.00	20.80	<=30	Pass
			0	21.64	-1.00	20.64	<=30	Pass
			2	21.81	-1.00	20.81	<=30	Pass
		6	3	21.68	-1.00	20.68	<=30	Pass
			0	20.71	-1.00	19.71	<=30	Pass
	1732.5	1	0	21.32	-1.00	20.32	<=30	Pass
			2	21.23	-1.00	20.23	<=30	Pass
			5	21.38	-1.00	20.38	<=30	Pass
		3	0	21.37	-1.00	20.37	<=30	Pass
			2	21.43	-1.00	20.43	<=30	Pass
			3	21.39	-1.00	20.39	<=30	Pass



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	1754.3	1	0	22.09	-1.00	21.09	<=30	Pass
			2	22.10	-1.00	21.10	<=30	Pass
			5	22.14	-1.00	21.14	<=30	Pass
		3	0	22.28	-1.00	21.28	<=30	Pass
			2	22.18	-1.00	21.18	<=30	Pass
			3	22.27	-1.00	21.27	<=30	Pass
		6	0	21.04	-1.00	20.04	<=30	Pass

Note1: EIRP=Power+Antenna Gain

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	22.93	-1.00	21.93	<=30	Pass		
			7	22.62	-1.00	21.62	<=30	Pass		
			14	22.53	-1.00	21.53	<=30	Pass		
		8	0	21.59	-1.00	20.59	<=30	Pass		
			4	21.56	-1.00	20.56	<=30	Pass		
			7	21.52	-1.00	20.52	<=30	Pass		
		15	0	21.59	-1.00	20.59	<=30	Pass		
		1732.5	1	0	22.73	-1.00	21.73	<=30	Pass	
				7	22.75	-1.00	21.75	<=30	Pass	
	14			22.74	-1.00	21.74	<=30	Pass		
	8		0	21.84	-1.00	20.84	<=30	Pass		
			4	21.84	-1.00	20.84	<=30	Pass		
			7	21.83	-1.00	20.83	<=30	Pass		
	15	0	21.85	-1.00	20.85	<=30	Pass			
	1753.5	1	0	22.74	-1.00	21.74	<=30	Pass		
			7	22.83	-1.00	21.83	<=30	Pass		
			14	22.82	-1.00	21.82	<=30	Pass		
		8	0	21.94	-1.00	20.94	<=30	Pass		
			4	21.92	-1.00	20.92	<=30	Pass		
			7	21.93	-1.00	20.93	<=30	Pass		
		15	0	21.97	-1.00	20.97	<=30	Pass		
		16QAM	1711.5	1	0	21.49	-1.00	20.49	<=30	Pass
					7	21.39	-1.00	20.39	<=30	Pass
	14				21.34	-1.00	20.34	<=30	Pass	
	8			0	20.50	-1.00	19.50	<=30	Pass	
				4	20.52	-1.00	19.52	<=30	Pass	
				7	20.43	-1.00	19.43	<=30	Pass	
15	0			20.49	-1.00	19.49	<=30	Pass		
1732.5	1			0	21.95	-1.00	20.95	<=30	Pass	
				7	22.02	-1.00	21.02	<=30	Pass	
			14	21.91	-1.00	20.91	<=30	Pass		
	8		0	20.84	-1.00	19.84	<=30	Pass		



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		15	4	20.90	-1.00	19.90	<=30	Pass
			7	20.85	-1.00	19.85	<=30	Pass
			0	20.82	-1.00	19.82	<=30	Pass
	1753.5	1	0	22.42	-1.00	21.42	<=30	Pass
			7	22.42	-1.00	21.42	<=30	Pass
			14	22.36	-1.00	21.36	<=30	Pass
		8	0	21.11	-1.00	20.11	<=30	Pass
			4	21.10	-1.00	20.10	<=30	Pass
			7	21.12	-1.00	20.12	<=30	Pass
		15	0	21.05	-1.00	20.05	<=30	Pass

Note1: EIRP=Power+Antenna Gain

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.88	-1.00	21.88	<=30	Pass
			13	22.60	-1.00	21.60	<=30	Pass
			24	22.35	-1.00	21.35	<=30	Pass
		12	0	21.69	-1.00	20.69	<=30	Pass
			6	21.49	-1.00	20.49	<=30	Pass
			13	21.52	-1.00	20.52	<=30	Pass
		25	0	21.57	-1.00	20.57	<=30	Pass
			0	22.81	-1.00	21.81	<=30	Pass
			13	22.82	-1.00	21.82	<=30	Pass
	1732.5	1	24	22.64	-1.00	21.64	<=30	Pass
			0	21.92	-1.00	20.92	<=30	Pass
			6	21.87	-1.00	20.87	<=30	Pass
		12	13	21.85	-1.00	20.85	<=30	Pass
			0	21.91	-1.00	20.91	<=30	Pass
			0	22.88	-1.00	21.88	<=30	Pass
		25	13	22.98	-1.00	21.98	<=30	Pass
			24	22.75	-1.00	21.75	<=30	Pass
			0	22.01	-1.00	21.01	<=30	Pass
	1752.5	1	6	21.90	-1.00	20.90	<=30	Pass
			13	21.94	-1.00	20.94	<=30	Pass
			0	21.94	-1.00	20.94	<=30	Pass
		12	0	21.62	-1.00	20.62	<=30	Pass
			13	21.44	-1.00	20.44	<=30	Pass
			24	21.35	-1.00	20.35	<=30	Pass
		16QAM	0	20.49	-1.00	19.49	<=30	Pass
			6	20.40	-1.00	19.40	<=30	Pass
			13	20.38	-1.00	19.38	<=30	Pass



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	1732.5	25	0	20.49	-1.00	19.49	<=30	Pass
		1	0	22.09	-1.00	21.09	<=30	Pass
			13	22.07	-1.00	21.07	<=30	Pass
			24	21.94	-1.00	20.94	<=30	Pass
		12	0	20.94	-1.00	19.94	<=30	Pass
			6	20.87	-1.00	19.87	<=30	Pass
			13	20.86	-1.00	19.86	<=30	Pass
	1752.5	25	0	20.89	-1.00	19.89	<=30	Pass
		1	0	21.76	-1.00	20.76	<=30	Pass
			13	21.68	-1.00	20.68	<=30	Pass
			24	21.64	-1.00	20.64	<=30	Pass
		12	0	21.04	-1.00	20.04	<=30	Pass
			6	20.98	-1.00	19.98	<=30	Pass
			13	20.95	-1.00	19.95	<=30	Pass
		25	0	21.01	-1.00	20.01	<=30	Pass

Note1: EIRP=Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.94	-1.00	21.94	<=30	Pass
			25	22.73	-1.00	21.73	<=30	Pass
			49	22.47	-1.00	21.47	<=30	Pass
		25	0	21.63	-1.00	20.63	<=30	Pass
			13	21.65	-1.00	20.65	<=30	Pass
			25	21.69	-1.00	20.69	<=30	Pass
	1732.5	50	0	21.60	-1.00	20.60	<=30	Pass
		1	0	22.79	-1.00	21.79	<=30	Pass
			25	22.88	-1.00	21.88	<=30	Pass
			49	22.39	-1.00	21.39	<=30	Pass
		25	0	21.92	-1.00	20.92	<=30	Pass
			13	21.93	-1.00	20.93	<=30	Pass
			25	21.82	-1.00	20.82	<=30	Pass
		50	0	21.94	-1.00	20.94	<=30	Pass
	1750	1	0	22.80	-1.00	21.80	<=30	Pass
			25	23.10	-1.00	22.10	<=30	Pass
			49	22.81	-1.00	21.81	<=30	Pass
		25	0	21.97	-1.00	20.97	<=30	Pass
			13	21.96	-1.00	20.96	<=30	Pass
			25	21.97	-1.00	20.97	<=30	Pass
		50	0	21.99	-1.00	20.99	<=30	Pass
16QAM	1715	1	0	21.54	-1.00	20.54	<=30	Pass



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			25	21.49	-1.00	20.49	<=30	Pass	
			49	21.06	-1.00	20.06	<=30	Pass	
			25	0	20.55	-1.00	19.55	<=30	Pass
				13	20.53	-1.00	19.53	<=30	Pass
				25	20.54	-1.00	19.54	<=30	Pass
		50	0	20.39	-1.00	19.39	<=30	Pass	
	1732.5	1	0	22.05	-1.00	21.05	<=30	Pass	
			25	21.95	-1.00	20.95	<=30	Pass	
			49	21.54	-1.00	20.54	<=30	Pass	
		25	0	20.87	-1.00	19.87	<=30	Pass	
			13	20.85	-1.00	19.85	<=30	Pass	
			25	20.80	-1.00	19.80	<=30	Pass	
	50	0	20.81	-1.00	19.81	<=30	Pass		
	1750	1	0	22.52	-1.00	21.52	<=30	Pass	
			25	22.51	-1.00	21.51	<=30	Pass	
			49	21.95	-1.00	20.95	<=30	Pass	
		25	0	21.01	-1.00	20.01	<=30	Pass	
			13	21.06	-1.00	20.06	<=30	Pass	
			25	21.06	-1.00	20.06	<=30	Pass	
	50	0	21.04	-1.00	20.04	<=30	Pass		
	Note1: EIRP=Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.41	-1.00	21.41	<=30	Pass
			38	22.44	-1.00	21.44	<=30	Pass
			74	22.27	-1.00	21.27	<=30	Pass
		36	0	21.33	-1.00	20.33	<=30	Pass
			18	21.56	-1.00	20.56	<=30	Pass
			39	21.61	-1.00	20.61	<=30	Pass
		75	0	21.41	-1.00	20.41	<=30	Pass
	1732.5	1	0	22.34	-1.00	21.34	<=30	Pass
			38	22.60	-1.00	21.60	<=30	Pass
			74	22.54	-1.00	21.54	<=30	Pass
		36	0	21.42	-1.00	20.42	<=30	Pass
			18	21.56	-1.00	20.56	<=30	Pass
			39	21.59	-1.00	20.59	<=30	Pass
		75	0	21.53	-1.00	20.53	<=30	Pass
	1747.5	1	0	22.36	-1.00	21.36	<=30	Pass
			38	22.86	-1.00	21.86	<=30	Pass
			74	22.85	-1.00	21.85	<=30	Pass



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		36	0	21.62	-1.00	20.62	<=30	Pass
			18	21.82	-1.00	20.82	<=30	Pass
			39	21.94	-1.00	20.94	<=30	Pass
		75	0	21.72	-1.00	20.72	<=30	Pass
16QAM	1717.5	1	0	21.17	-1.00	20.17	<=30	Pass
			38	21.61	-1.00	20.61	<=30	Pass
			74	21.32	-1.00	20.32	<=30	Pass
		36	0	20.11	-1.00	19.11	<=30	Pass
			18	20.29	-1.00	19.29	<=30	Pass
			39	20.34	-1.00	19.34	<=30	Pass
		75	0	20.17	-1.00	19.17	<=30	Pass
	1732.5	1	0	21.27	-1.00	20.27	<=30	Pass
			38	21.59	-1.00	20.59	<=30	Pass
			74	21.58	-1.00	20.58	<=30	Pass
		36	0	20.35	-1.00	19.35	<=30	Pass
			18	20.47	-1.00	19.47	<=30	Pass
			39	20.58	-1.00	19.58	<=30	Pass
		75	0	20.48	-1.00	19.48	<=30	Pass
	1747.5	1	0	21.94	-1.00	20.94	<=30	Pass
			38	22.25	-1.00	21.25	<=30	Pass
			74	22.04	-1.00	21.04	<=30	Pass
		36	0	20.64	-1.00	19.64	<=30	Pass
			18	20.86	-1.00	19.86	<=30	Pass
			39	20.90	-1.00	19.90	<=30	Pass
		75	0	20.69	-1.00	19.69	<=30	Pass

Note1: EIRP=Power+Antenna Gain

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.76	-1.00	21.76	<=30	Pass
			50	22.66	-1.00	21.66	<=30	Pass
			99	22.15	-1.00	21.15	<=30	Pass
		50	0	21.73	-1.00	20.73	<=30	Pass
			25	21.66	-1.00	20.66	<=30	Pass
			50	21.57	-1.00	20.57	<=30	Pass
		100	0	21.68	-1.00	20.68	<=30	Pass
	1732.5	1	0	22.76	-1.00	21.76	<=30	Pass
			50	22.59	-1.00	21.59	<=30	Pass
			99	22.28	-1.00	21.28	<=30	Pass
		50	0	21.77	-1.00	20.77	<=30	Pass
			25	21.63	-1.00	20.63	<=30	Pass



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	1745	100	50	21.44	-1.00	20.44	<=30	Pass
			0	21.53	-1.00	20.53	<=30	Pass
		1	0	22.69	-1.00	21.69	<=30	Pass
			50	22.80	-1.00	21.80	<=30	Pass
			99	22.49	-1.00	21.49	<=30	Pass
		50	0	21.78	-1.00	20.78	<=30	Pass
			25	21.82	-1.00	20.82	<=30	Pass
			50	21.69	-1.00	20.69	<=30	Pass
		100	0	21.74	-1.00	20.74	<=30	Pass
16QAM	1720	1	0	21.79	-1.00	20.79	<=30	Pass
			50	21.80	-1.00	20.80	<=30	Pass
			99	21.41	-1.00	20.41	<=30	Pass
		50	0	20.37	-1.00	19.37	<=30	Pass
			25	20.32	-1.00	19.32	<=30	Pass
			50	20.24	-1.00	19.24	<=30	Pass
		100	0	20.41	-1.00	19.41	<=30	Pass
	1732.5	1	0	21.75	-1.00	20.75	<=30	Pass
			50	21.83	-1.00	20.83	<=30	Pass
			99	21.48	-1.00	20.48	<=30	Pass
		50	0	20.66	-1.00	19.66	<=30	Pass
			25	20.54	-1.00	19.54	<=30	Pass
			50	20.46	-1.00	19.46	<=30	Pass
		100	0	20.57	-1.00	19.57	<=30	Pass
	1745	1	0	21.98	-1.00	20.98	<=30	Pass
			50	21.99	-1.00	20.99	<=30	Pass
			99	21.62	-1.00	20.62	<=30	Pass
		50	0	20.79	-1.00	19.79	<=30	Pass
			25	20.85	-1.00	19.85	<=30	Pass
			50	20.72	-1.00	19.72	<=30	Pass
		100	0	20.79	-1.00	19.79	<=30	Pass

Note1: EIRP=Power+Antenna Gain

Remark1:

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

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

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



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2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / 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	1710.7	6	0	20	3.27	-5.35	-0.00	-2.5 to 2.5	Pass
					3.85	-5.24	-0.00	-2.5 to 2.5	Pass
					4.43	-5.48	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.75	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.68	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.52	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.55	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.63	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.65	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.23	-0.00	-2.5 to 2.5	Pass
	50	3.85	-2.16	-0.00	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	11.47	0.01	-2.5 to 2.5	Pass
					3.85	12.23	0.01	-2.5 to 2.5	Pass
					4.43	13.43	0.01	-2.5 to 2.5	Pass
				-30	3.85	12.46	0.01	-2.5 to 2.5	Pass
				-20	3.85	13.89	0.01	-2.5 to 2.5	Pass
				-10	3.85	14.23	0.01	-2.5 to 2.5	Pass
				0	3.85	15.25	0.01	-2.5 to 2.5	Pass
				10	3.85	14.56	0.01	-2.5 to 2.5	Pass
				30	3.85	14.16	0.01	-2.5 to 2.5	Pass
				40	3.85	12.75	0.01	-2.5 to 2.5	Pass
	50	3.85	15.78	0.01	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	-2.36	-0.00	-2.5 to 2.5	Pass
					3.85	-2.32	-0.00	-2.5 to 2.5	Pass
					4.43	-2.20	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.26	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.43	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.65	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.73	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.98	-0.00	-2.5 to 2.5	Pass
30				3.85	-2.70	-0.00	-2.5 to 2.5	Pass	
40				3.85	-0.27	-0.00	-2.5 to 2.5	Pass	
50	3.85	-1.82	-0.00	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-1.56	-0.00	-2.5 to 2.5	Pass
					3.85	-1.36	-0.00	-2.5 to 2.5	Pass



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				-30	4.43	-0.59	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.90	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.99	-0.00	-2.5 to 2.5	Pass
				0	3.85	0.01	0.00	-2.5 to 2.5	Pass
				10	3.85	-0.19	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.79	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.24	-0.00	-2.5 to 2.5	Pass
				50	3.85	0.03	0.00	-2.5 to 2.5	Pass
				20	3.85	-2.03	-0.00	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-2.02	-0.00	-2.5 to 2.5	Pass
					3.85	-1.89	-0.00	-2.5 to 2.5	Pass
					4.43	-1.50	-0.00	-2.5 to 2.5	Pass
				-30	3.85	0.31	0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.97	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.92	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.35	-0.00	-2.5 to 2.5	Pass
				10	3.85	-0.54	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.76	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.46	-0.00	-2.5 to 2.5	Pass
				50	3.85	-0.47	-0.00	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-2.12	-0.00	-2.5 to 2.5	Pass
					3.85	-2.12	-0.00	-2.5 to 2.5	Pass
					4.43	-1.04	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.57	-0.00	-2.5 to 2.5	Pass
				-20	3.85	0.24	0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.34	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.70	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.43	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.13	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.23	-0.00	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	2.25	0.00	-2.5 to 2.5	Pass
					3.85	3.06	0.00	-2.5 to 2.5	Pass
					4.43	1.70	0.00	-2.5 to 2.5	Pass
				-30	3.85	3.32	0.00	-2.5 to 2.5	Pass
				-20	3.85	3.18	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.39	0.00	-2.5 to 2.5	Pass
				0	3.85	3.56	0.00	-2.5 to 2.5	Pass



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16QAM	1732.5	15	0	10	3.85	0.86	0.00	-2.5 to 2.5	Pass
				30	3.85	2.98	0.00	-2.5 to 2.5	Pass
				40	3.85	2.32	0.00	-2.5 to 2.5	Pass
				50	3.85	3.73	0.00	-2.5 to 2.5	Pass
				20	3.27	0.46	0.00	-2.5 to 2.5	Pass
					3.85	0.30	0.00	-2.5 to 2.5	Pass
					4.43	2.09	0.00	-2.5 to 2.5	Pass
				-30	3.85	3.06	0.00	-2.5 to 2.5	Pass
				-20	3.85	1.36	0.00	-2.5 to 2.5	Pass
				-10	3.85	2.72	0.00	-2.5 to 2.5	Pass
	1753.5	15	0	0	3.85	1.96	0.00	-2.5 to 2.5	Pass
				10	3.85	1.24	0.00	-2.5 to 2.5	Pass
				30	3.85	2.59	0.00	-2.5 to 2.5	Pass
				40	3.85	1.65	0.00	-2.5 to 2.5	Pass
				50	3.85	3.53	0.00	-2.5 to 2.5	Pass
				20	3.27	3.43	0.00	-2.5 to 2.5	Pass
					3.85	4.26	0.00	-2.5 to 2.5	Pass
					4.43	3.25	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.35	0.00	-2.5 to 2.5	Pass
				-20	3.85	4.02	0.00	-2.5 to 2.5	Pass
	1711.5	15	0	-10	3.85	3.48	0.00	-2.5 to 2.5	Pass
				0	3.85	2.09	0.00	-2.5 to 2.5	Pass
				10	3.85	2.68	0.00	-2.5 to 2.5	Pass
				30	3.85	4.25	0.00	-2.5 to 2.5	Pass
				40	3.85	4.18	0.00	-2.5 to 2.5	Pass
				50	3.85	2.16	0.00	-2.5 to 2.5	Pass
				20	3.27	1.26	0.00	-2.5 to 2.5	Pass
					3.85	3.09	0.00	-2.5 to 2.5	Pass
					4.43	3.28	0.00	-2.5 to 2.5	Pass
				-30	3.85	0.10	0.00	-2.5 to 2.5	Pass
	1732.5	15	0	-20	3.85	1.22	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.02	0.00	-2.5 to 2.5	Pass
				0	3.85	1.22	0.00	-2.5 to 2.5	Pass
				10	3.85	2.80	0.00	-2.5 to 2.5	Pass
				30	3.85	1.20	0.00	-2.5 to 2.5	Pass
				40	3.85	3.16	0.00	-2.5 to 2.5	Pass
				50	3.85	0.39	0.00	-2.5 to 2.5	Pass
				20	3.27	2.43	0.00	-2.5 to 2.5	Pass
					3.85	2.99	0.00	-2.5 to 2.5	Pass
					4.43	1.97	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.76	0.00	-2.5 to 2.5	Pass
				-20	3.85	3.45	0.00	-2.5 to 2.5	Pass
				-10	3.85	3.13	0.00	-2.5 to 2.5	Pass
				0	3.85	3.50	0.00	-2.5 to 2.5	Pass
				10	3.85	1.32	0.00	-2.5 to 2.5	Pass
				30	3.85	2.52	0.00	-2.5 to 2.5	Pass
				40	3.85	2.35	0.00	-2.5 to 2.5	Pass
				50	3.85	2.55	0.00	-2.5 to 2.5	Pass



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	1753.5	15	0	20	3.27	0.16	0.00	-2.5 to 2.5	Pass
					3.85	1.57	0.00	-2.5 to 2.5	Pass
					4.43	1.79	0.00	-2.5 to 2.5	Pass
				-30	3.85	0.70	0.00	-2.5 to 2.5	Pass
				-20	3.85	1.95	0.00	-2.5 to 2.5	Pass
				-10	3.85	4.59	0.00	-2.5 to 2.5	Pass
				0	3.85	2.50	0.00	-2.5 to 2.5	Pass
				10	3.85	2.30	0.00	-2.5 to 2.5	Pass
				30	3.85	3.22	0.00	-2.5 to 2.5	Pass
				40	3.85	2.88	0.00	-2.5 to 2.5	Pass
				50	3.85	1.92	0.00	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	3.68	0.00	-2.5 to 2.5	Pass
					3.85	3.79	0.00	-2.5 to 2.5	Pass
					4.43	3.85	0.00	-2.5 to 2.5	Pass
				-30	3.85	3.85	0.00	-2.5 to 2.5	Pass
				-20	3.85	4.08	0.00	-2.5 to 2.5	Pass
				-10	3.85	4.32	0.00	-2.5 to 2.5	Pass
				0	3.85	3.71	0.00	-2.5 to 2.5	Pass
				10	3.85	3.46	0.00	-2.5 to 2.5	Pass
				30	3.85	3.53	0.00	-2.5 to 2.5	Pass
				40	3.85	3.22	0.00	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	1.00	0.00	-2.5 to 2.5	Pass
					3.85	1.57	0.00	-2.5 to 2.5	Pass
					4.43	2.19	0.00	-2.5 to 2.5	Pass
				-30	3.85	3.50	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.86	0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.16	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.09	-0.00	-2.5 to 2.5	Pass
				10	3.85	1.90	0.00	-2.5 to 2.5	Pass
				30	3.85	1.97	0.00	-2.5 to 2.5	Pass
				40	3.85	2.85	0.00	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-0.97	-0.00	-2.5 to 2.5	Pass
					3.85	-1.53	-0.00	-2.5 to 2.5	Pass
					4.43	0.34	0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.86	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.83	-0.00	-2.5 to 2.5	Pass



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				-10	3.85	-2.15	-0.00	-2.5 to 2.5	Pass
				0	3.85	0.09	0.00	-2.5 to 2.5	Pass
				10	3.85	-0.60	-0.00	-2.5 to 2.5	Pass
				30	3.85	0.03	0.00	-2.5 to 2.5	Pass
				40	3.85	-0.73	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.99	-0.00	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	3.95	0.00	-2.5 to 2.5	Pass
					3.85	4.03	0.00	-2.5 to 2.5	Pass
					4.43	4.33	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.82	0.00	-2.5 to 2.5	Pass
				-20	3.85	2.78	0.00	-2.5 to 2.5	Pass
				-10	3.85	3.39	0.00	-2.5 to 2.5	Pass
				0	3.85	3.35	0.00	-2.5 to 2.5	Pass
				10	3.85	3.72	0.00	-2.5 to 2.5	Pass
				30	3.85	3.86	0.00	-2.5 to 2.5	Pass
				40	3.85	4.33	0.00	-2.5 to 2.5	Pass
				50	3.85	3.55	0.00	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	2.27	0.00	-2.5 to 2.5	Pass
					3.85	0.89	0.00	-2.5 to 2.5	Pass
					4.43	0.84	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.00	0.00	-2.5 to 2.5	Pass
				-20	3.85	2.79	0.00	-2.5 to 2.5	Pass
				-10	3.85	2.03	0.00	-2.5 to 2.5	Pass
				0	3.85	2.19	0.00	-2.5 to 2.5	Pass
				10	3.85	1.70	0.00	-2.5 to 2.5	Pass
				30	3.85	2.95	0.00	-2.5 to 2.5	Pass
				40	3.85	3.28	0.00	-2.5 to 2.5	Pass
				50	3.85	2.50	0.00	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	0.60	0.00	-2.5 to 2.5	Pass
					3.85	-0.62	-0.00	-2.5 to 2.5	Pass
					4.43	-0.87	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.57	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.30	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.85	-0.00	-2.5 to 2.5	Pass
				0	3.85	0.00	0.00	-2.5 to 2.5	Pass
				10	3.85	-3.12	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.40	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.29	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.02	-0.00	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / 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	1715	50	0	20	3.27	-2.69	-0.00	-2.5 to 2.5	Pass
					3.85	-1.99	-0.00	-2.5 to 2.5	Pass
					4.43	-1.66	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.72	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.26	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.26	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.90	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.06	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.90	-0.00	-2.5 to 2.5	Pass
				40	3.85	-2.25	-0.00	-2.5 to 2.5	Pass
				50	3.85	-1.09	-0.00	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.26	-0.00	-2.5 to 2.5	Pass
					3.85	0.00	0.00	-2.5 to 2.5	Pass
					4.43	-0.10	-0.00	-2.5 to 2.5	Pass
				-30	3.85	0.36	0.00	-2.5 to 2.5	Pass
				-20	3.85	2.02	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.99	0.00	-2.5 to 2.5	Pass
				0	3.85	2.22	0.00	-2.5 to 2.5	Pass
				10	3.85	0.82	0.00	-2.5 to 2.5	Pass
				30	3.85	2.60	0.00	-2.5 to 2.5	Pass
				40	3.85	2.13	0.00	-2.5 to 2.5	Pass
				50	3.85	1.59	0.00	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	2.56	0.00	-2.5 to 2.5	Pass
					3.85	1.85	0.00	-2.5 to 2.5	Pass
					4.43	1.93	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.68	0.00	-2.5 to 2.5	Pass
				-20	3.85	4.12	0.00	-2.5 to 2.5	Pass
				-10	3.85	3.18	0.00	-2.5 to 2.5	Pass
				0	3.85	2.19	0.00	-2.5 to 2.5	Pass
				10	3.85	1.42	0.00	-2.5 to 2.5	Pass
				30	3.85	1.96	0.00	-2.5 to 2.5	Pass
				40	3.85	2.59	0.00	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-1.87	-0.00	-2.5 to 2.5	Pass
					3.85	-1.93	-0.00	-2.5 to 2.5	Pass
					4.43	0.40	0.00	-2.5 to 2.5	Pass
				-30	3.85	-1.56	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.50	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.82	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.31	-0.00	-2.5 to 2.5	Pass
				10	3.85	0.30	0.00	-2.5 to 2.5	Pass
				30	3.85	-1.86	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.37	0.00	-2.5 to 2.5	Pass
				50	3.85	-0.77	-0.00	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.03	0.00	-2.5 to 2.5	Pass
					3.85	-0.77	-0.00	-2.5 to 2.5	Pass
					4.43	1.22	0.00	-2.5 to 2.5	Pass



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				-30	3.85	0.54	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.86	0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.34	-0.00	-2.5 to 2.5	Pass
				0	3.85	1.57	0.00	-2.5 to 2.5	Pass
				10	3.85	-0.46	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.11	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.36	0.00	-2.5 to 2.5	Pass
				50	3.85	0.79	0.00	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.43	0.00	-2.5 to 2.5	Pass
					3.85	3.13	0.00	-2.5 to 2.5	Pass
					4.43	2.65	0.00	-2.5 to 2.5	Pass
				-30	3.85	3.08	0.00	-2.5 to 2.5	Pass
				-20	3.85	3.33	0.00	-2.5 to 2.5	Pass
				-10	3.85	3.42	0.00	-2.5 to 2.5	Pass
				0	3.85	1.93	0.00	-2.5 to 2.5	Pass
				10	3.85	4.45	0.00	-2.5 to 2.5	Pass
				30	3.85	2.22	0.00	-2.5 to 2.5	Pass
				40	3.85	3.16	0.00	-2.5 to 2.5	Pass
				50	3.85	4.22	0.00	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	0.92	0.00	-2.5 to 2.5	Pass
					3.85	1.27	0.00	-2.5 to 2.5	Pass
					4.43	1.39	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.50	0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.10	-0.00	-2.5 to 2.5	Pass
				-10	3.85	0.51	0.00	-2.5 to 2.5	Pass
				0	3.85	0.90	0.00	-2.5 to 2.5	Pass
				10	3.85	1.24	0.00	-2.5 to 2.5	Pass
				30	3.85	2.02	0.00	-2.5 to 2.5	Pass
				40	3.85	1.00	0.00	-2.5 to 2.5	Pass
	1732.5	75	0	50	3.85	1.17	0.00	-2.5 to 2.5	Pass
				20	3.27	2.55	0.00	-2.5 to 2.5	Pass
					3.85	1.29	0.00	-2.5 to 2.5	Pass
					4.43	1.82	0.00	-2.5 to 2.5	Pass
				-30	3.85	0.80	0.00	-2.5 to 2.5	Pass
				-20	3.85	3.05	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.14	0.00	-2.5 to 2.5	Pass
				0	3.85	0.43	0.00	-2.5 to 2.5	Pass
				10	3.85	0.99	0.00	-2.5 to 2.5	Pass



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	1747.5	75	0	30	3.85	3.15	0.00	-2.5 to 2.5	Pass
				40	3.85	1.75	0.00	-2.5 to 2.5	Pass
				50	3.85	3.12	0.00	-2.5 to 2.5	Pass
				20	3.27	2.03	0.00	-2.5 to 2.5	Pass
					3.85	2.26	0.00	-2.5 to 2.5	Pass
					4.43	1.50	0.00	-2.5 to 2.5	Pass
				-30	3.85	0.83	0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.29	-0.00	-2.5 to 2.5	Pass
				-10	3.85	0.20	0.00	-2.5 to 2.5	Pass
				0	3.85	1.42	0.00	-2.5 to 2.5	Pass
				10	3.85	1.76	0.00	-2.5 to 2.5	Pass
				30	3.85	-0.46	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.59	-0.00	-2.5 to 2.5	Pass
				50	3.85	-0.21	-0.00	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	0.26	0.00	-2.5 to 2.5	Pass
					3.85	-0.67	-0.00	-2.5 to 2.5	Pass
					4.43	0.26	0.00	-2.5 to 2.5	Pass
				-30	3.85	0.73	0.00	-2.5 to 2.5	Pass
				-20	3.85	1.03	0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.53	-0.00	-2.5 to 2.5	Pass
				0	3.85	1.65	0.00	-2.5 to 2.5	Pass
				10	3.85	1.39	0.00	-2.5 to 2.5	Pass
				30	3.85	0.26	0.00	-2.5 to 2.5	Pass
				40	3.85	-0.94	-0.00	-2.5 to 2.5	Pass
				50	3.85	0.50	0.00	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	0.27	0.00	-2.5 to 2.5	Pass
					3.85	-0.40	-0.00	-2.5 to 2.5	Pass
					4.43	-0.53	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.69	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.06	0.00	-2.5 to 2.5	Pass
				-10	3.85	0.19	0.00	-2.5 to 2.5	Pass
				0	3.85	0.63	0.00	-2.5 to 2.5	Pass
				10	3.85	0.57	0.00	-2.5 to 2.5	Pass
				30	3.85	0.50	0.00	-2.5 to 2.5	Pass
				40	3.85	-0.27	-0.00	-2.5 to 2.5	Pass
				50	3.85	-0.06	0.00	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	2.15	0.00	-2.5 to 2.5	Pass
					3.85	0.62	0.00	-2.5 to 2.5	Pass
					4.43	1.04	0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.41	-0.00	-2.5 to 2.5	Pass
				-20	3.85	0.64	0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.09	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.06	0.00	-2.5 to 2.5	Pass
				10	3.85	0.74	0.00	-2.5 to 2.5	Pass
				30	3.85	-0.27	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.04	0.00	-2.5 to 2.5	Pass
				50	3.85	-0.69	-0.00	-2.5 to 2.5	Pass



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2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	0.96	0.00	-2.5 to 2.5	Pass
					3.85	1.59	0.00	-2.5 to 2.5	Pass
					4.43	1.66	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.72	0.00	-2.5 to 2.5	Pass
				-20	3.85	1.76	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.43	0.00	-2.5 to 2.5	Pass
				0	3.85	2.82	0.00	-2.5 to 2.5	Pass
				10	3.85	2.69	0.00	-2.5 to 2.5	Pass
				30	3.85	1.06	0.00	-2.5 to 2.5	Pass
				40	3.85	1.92	0.00	-2.5 to 2.5	Pass
				50	3.85	1.97	0.00	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	1.77	0.00	-2.5 to 2.5	Pass
					3.85	1.54	0.00	-2.5 to 2.5	Pass
					4.43	1.62	0.00	-2.5 to 2.5	Pass
				-30	3.85	0.03	0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.50	-0.00	-2.5 to 2.5	Pass
				-10	3.85	1.14	0.00	-2.5 to 2.5	Pass
				0	3.85	0.87	0.00	-2.5 to 2.5	Pass
				10	3.85	1.26	0.00	-2.5 to 2.5	Pass
				30	3.85	-0.11	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.36	0.00	-2.5 to 2.5	Pass
				50	3.85	-0.53	-0.00	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.93	-0.00	-2.5 to 2.5	Pass
					3.85	-2.46	-0.00	-2.5 to 2.5	Pass
					4.43	-1.17	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.79	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.90	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.32	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.88	-0.00	-2.5 to 2.5	Pass
				10	3.85	-4.26	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.82	-0.00	-2.5 to 2.5	Pass
				40	3.85	-2.42	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.05	-0.00	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	2.02	0.00	-2.5 to 2.5	Pass
					3.85	1.69	0.00	-2.5 to 2.5	Pass
					4.43	1.66	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.85	0.00	-2.5 to 2.5	Pass
				-20	3.85	2.50	0.00	-2.5 to 2.5	Pass
				-10	3.85	2.32	0.00	-2.5 to 2.5	Pass
				0	3.85	2.45	0.00	-2.5 to 2.5	Pass



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				10	3.85	3.33	0.00	-2.5 to 2.5	Pass
				30	3.85	1.29	0.00	-2.5 to 2.5	Pass
				40	3.85	1.73	0.00	-2.5 to 2.5	Pass
				50	3.85	1.62	0.00	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	1.02	0.00	-2.5 to 2.5	Pass
					3.85	0.87	0.00	-2.5 to 2.5	Pass
					4.43	0.92	0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.82	-0.00	-2.5 to 2.5	Pass
				-20	3.85	1.26	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.02	0.00	-2.5 to 2.5	Pass
				0	3.85	-0.70	-0.00	-2.5 to 2.5	Pass
				10	3.85	0.77	0.00	-2.5 to 2.5	Pass
				30	3.85	0.64	0.00	-2.5 to 2.5	Pass
				40	3.85	0.44	0.00	-2.5 to 2.5	Pass
				50	3.85	0.93	0.00	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.89	-0.00	-2.5 to 2.5	Pass
					3.85	-1.49	-0.00	-2.5 to 2.5	Pass
					4.43	-3.85	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.60	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.44	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.05	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.99	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.49	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.30	-0.00	-2.5 to 2.5	Pass
				40	3.85	-2.89	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.53	-0.00	-2.5 to 2.5	Pass



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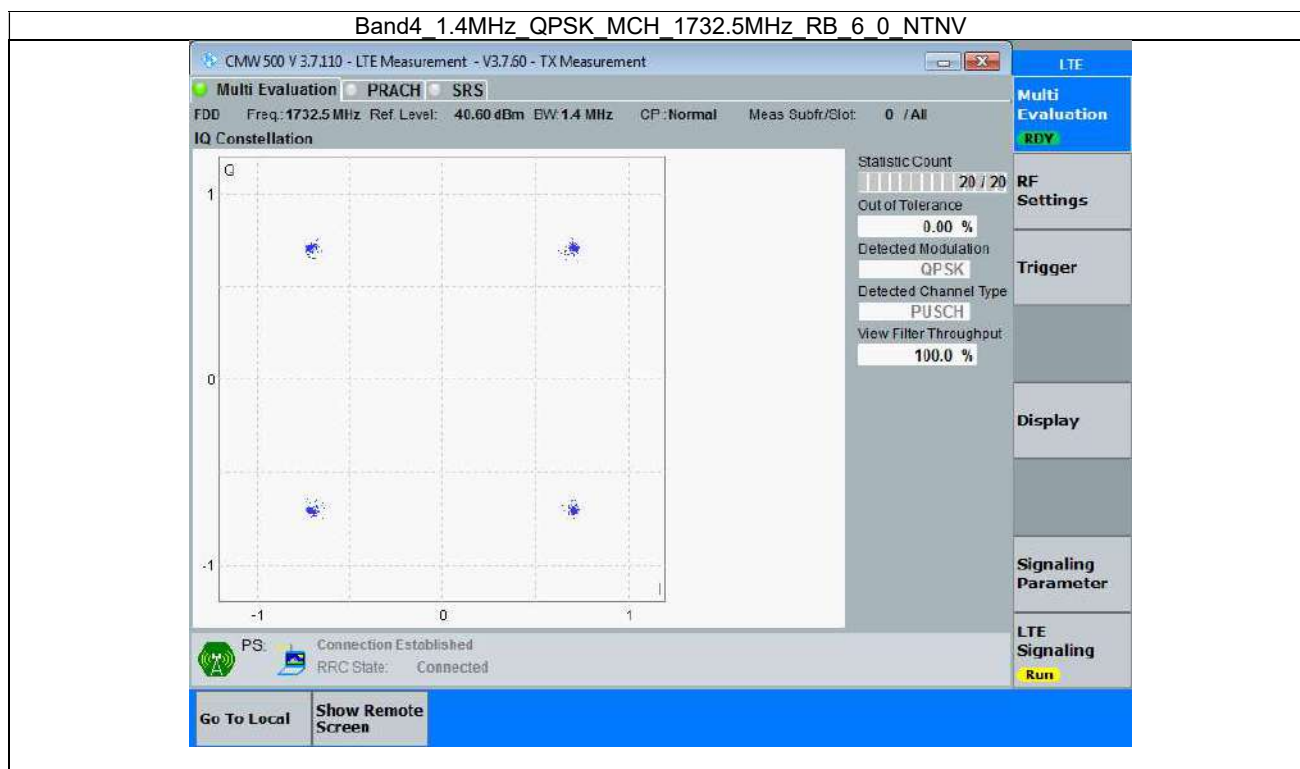
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	6	0	Refer To Test Graph	Pass
16QAM	1732.5	6	0	Refer To Test Graph	Pass

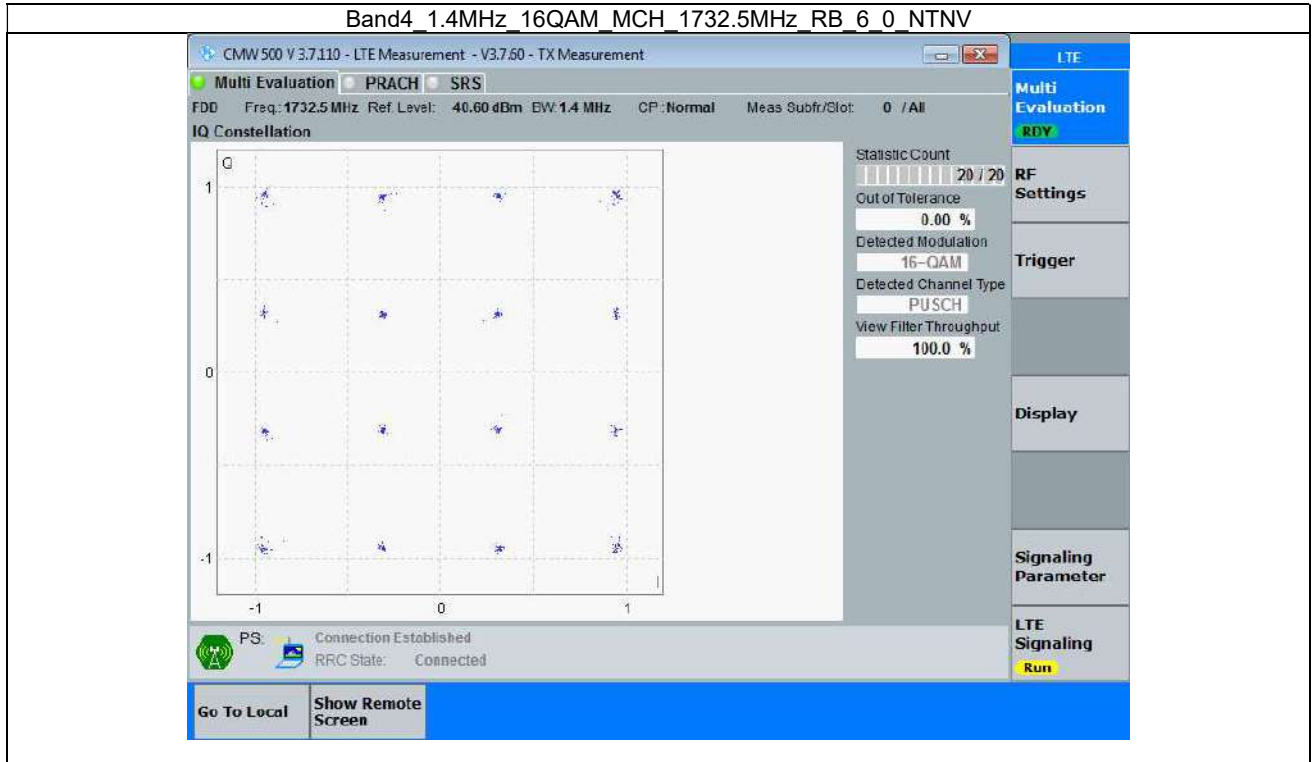
3.1.2 Test Graph



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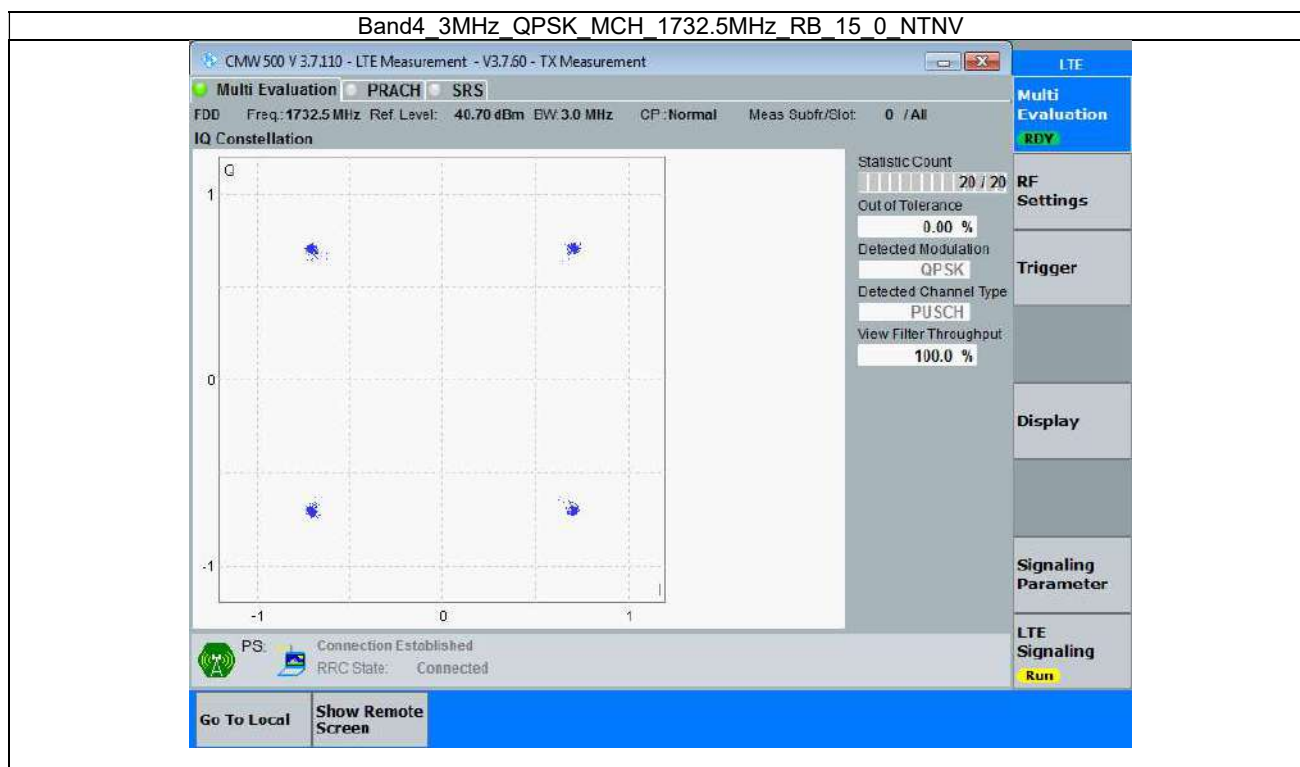
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3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	15	0	Refer To Test Graph	Pass
16QAM	1732.5	15	0	Refer To Test Graph	Pass

3.2.2 Test Graph

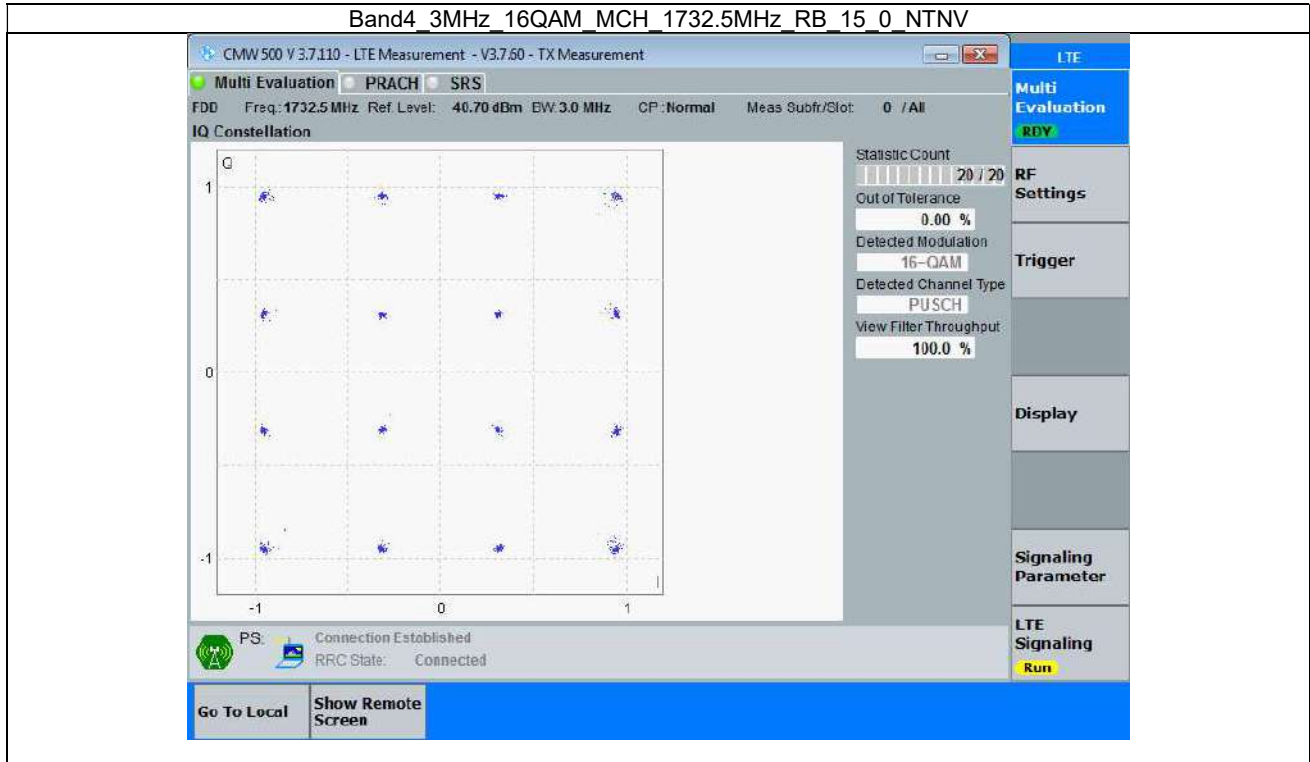


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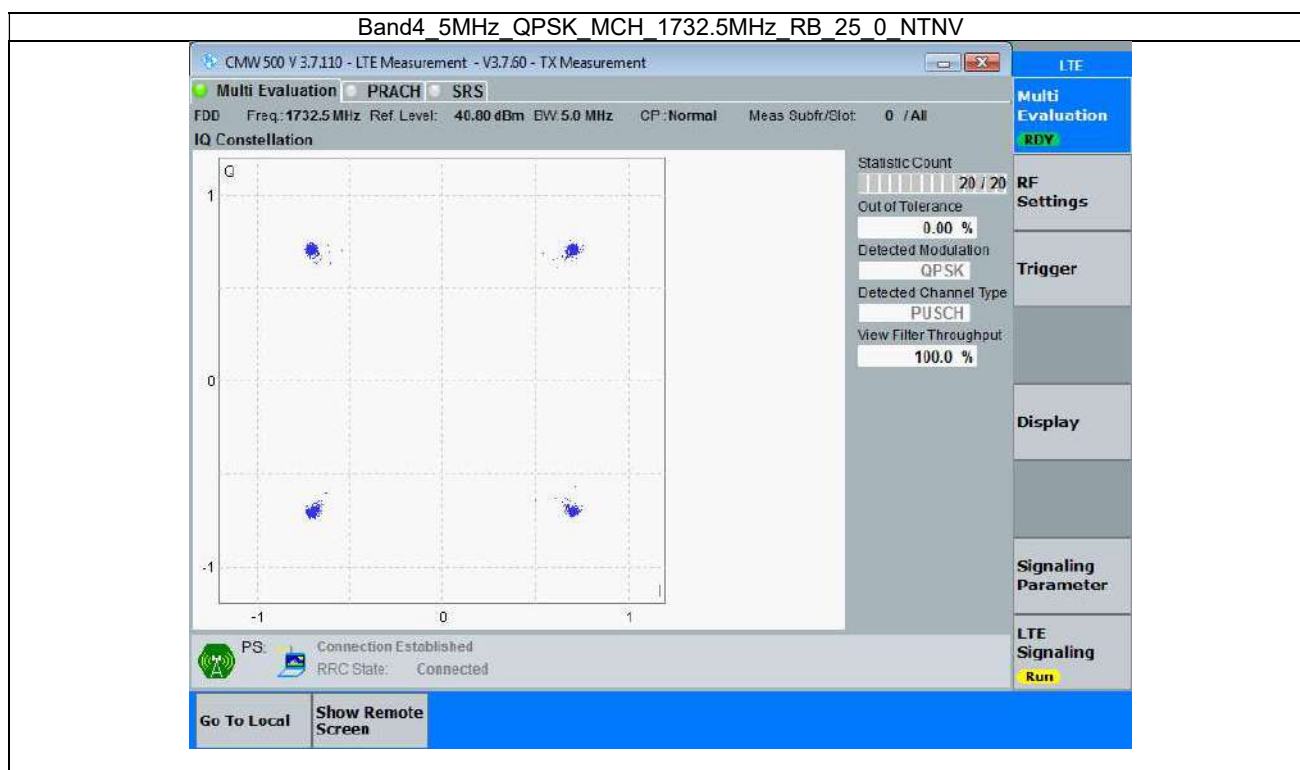
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3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

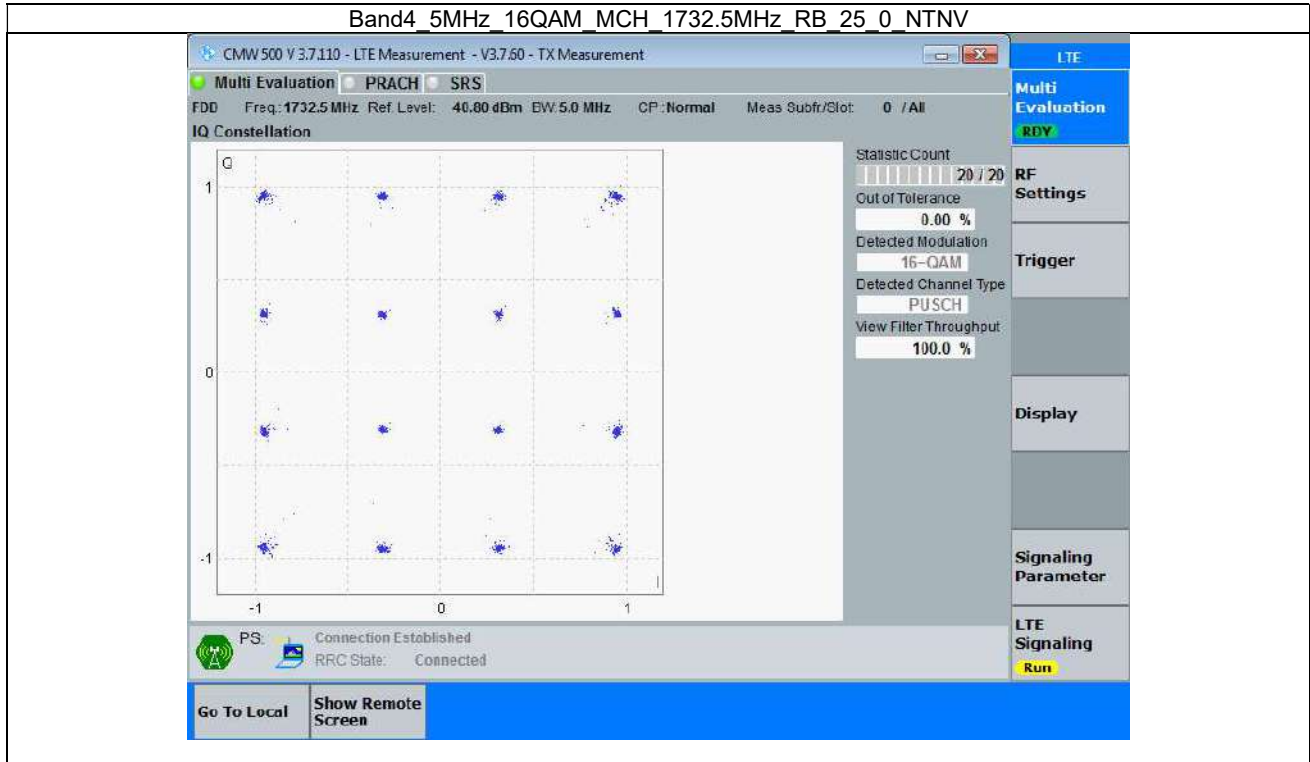


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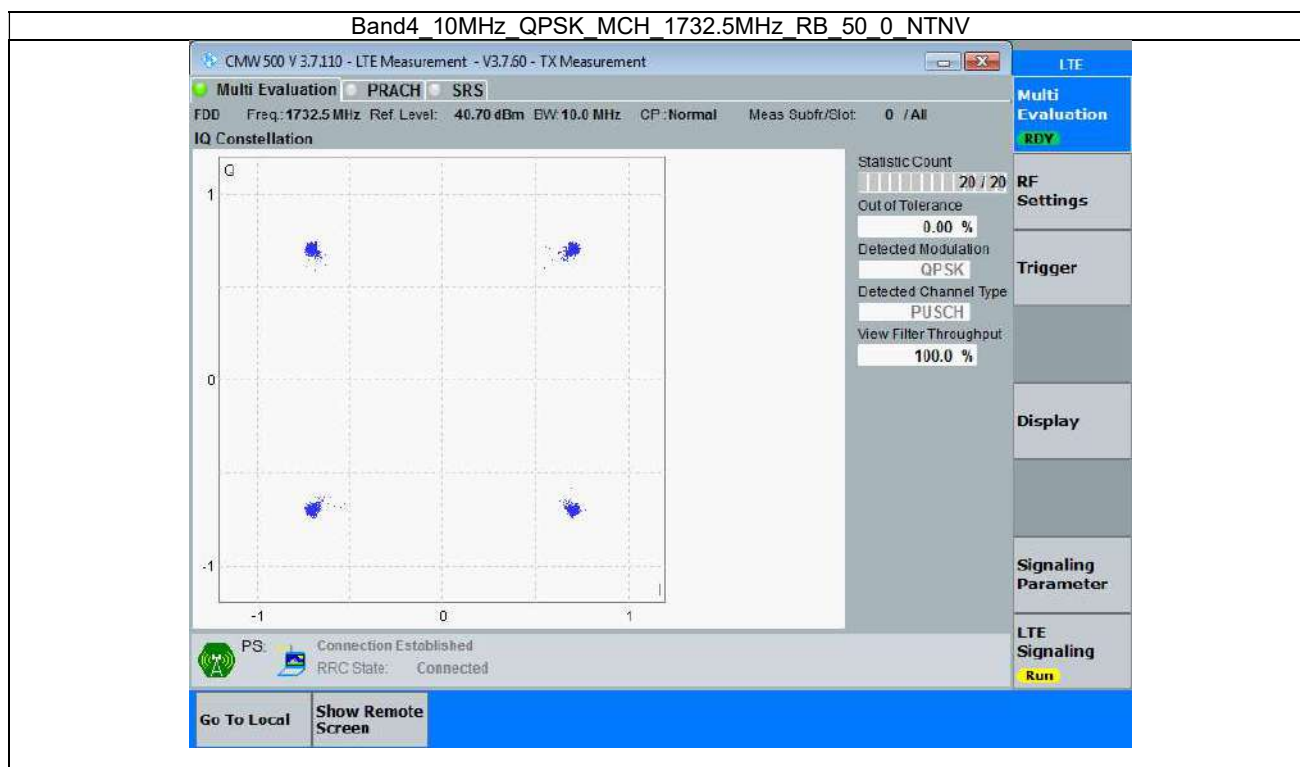
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3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	50	0	Refer To Test Graph	Pass
16QAM	1732.5	50	0	Refer To Test Graph	Pass

3.4.2 Test Graph



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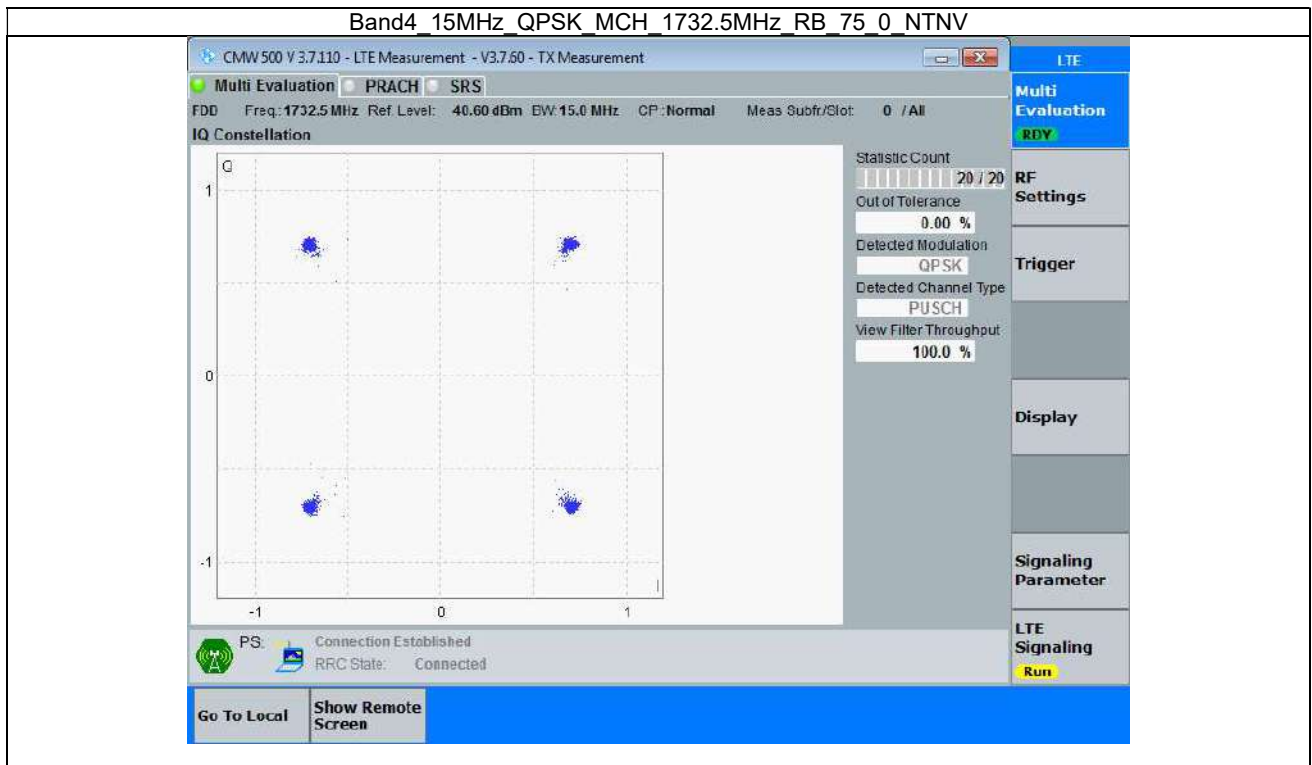


3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph



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3.6 B4_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	100	0	Refer To Test Graph	Pass
16QAM	1732.5	100	0	Refer To Test Graph	Pass



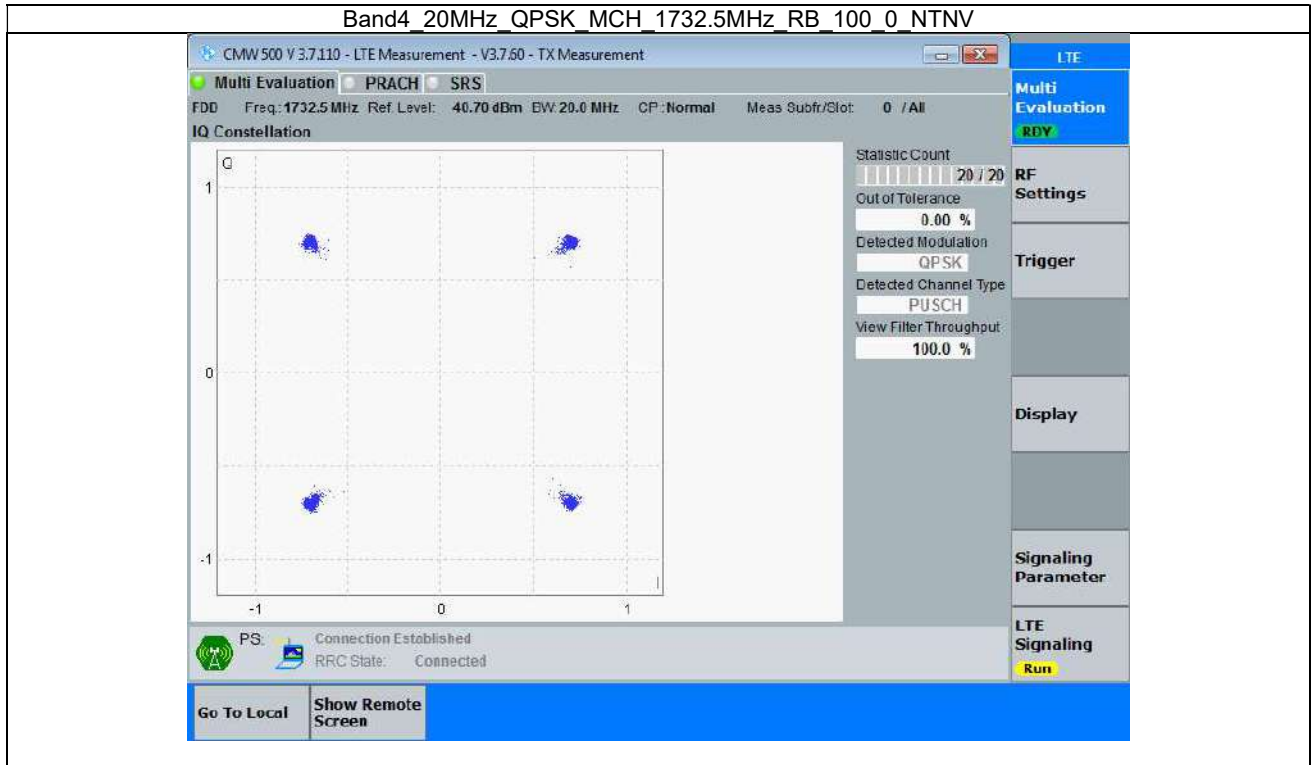
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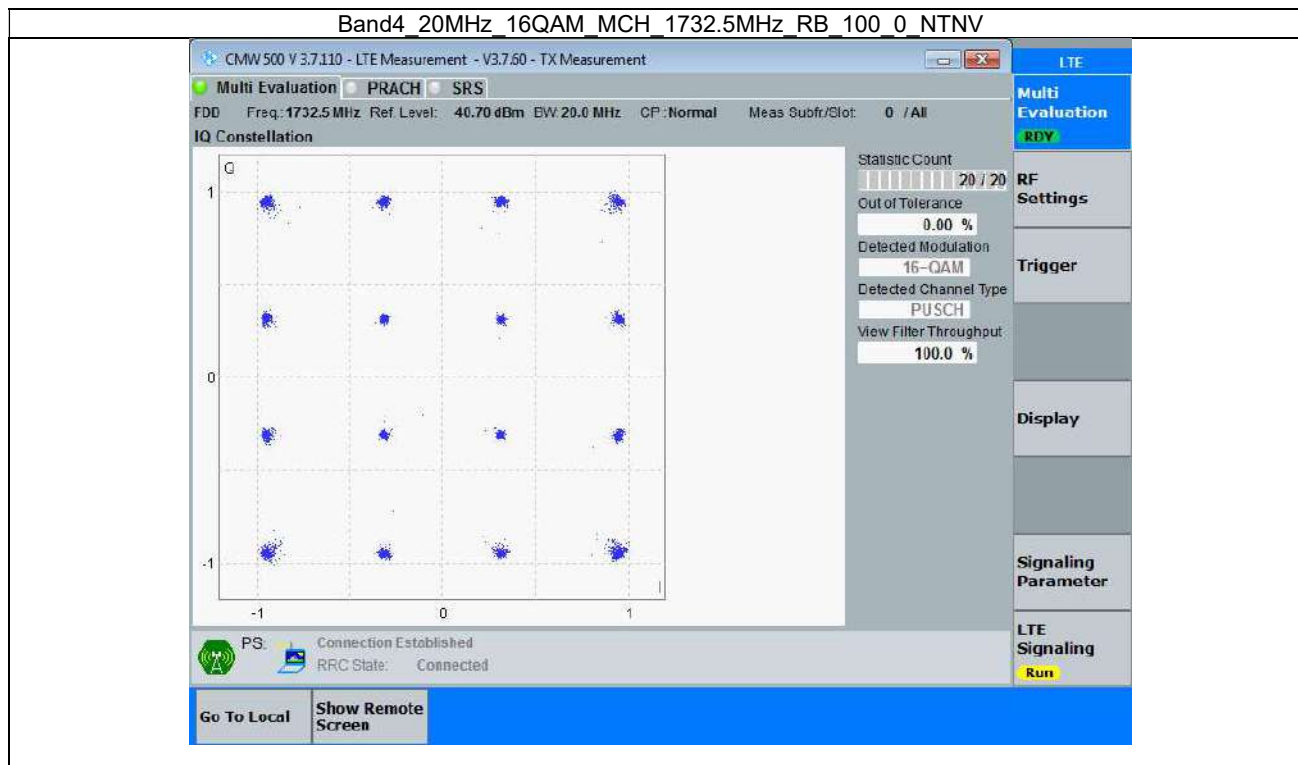


3.6.2 Test Graph



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4. 99% & 26dB Bandwidth

4.1 Band4_OBW

4.1.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.117	Pass
		1732.5	6	0	1.117	Pass
		1754.3	6	0	1.117	Pass
	16QAM	1710.7	6	0	1.110	Pass
		1732.5	6	0	1.109	Pass
		1754.3	6	0	1.112	Pass
3	QPSK	1711.5	15	0	2.741	Pass
		1732.5	15	0	2.753	Pass
		1753.5	15	0	2.751	Pass
	16QAM	1711.5	15	0	2.746	Pass
		1732.5	15	0	2.745	Pass
		1753.5	15	0	2.745	Pass
5	QPSK	1712.5	25	0	4.557	Pass
		1732.5	25	0	4.543	Pass
		1752.5	25	0	4.562	Pass
	16QAM	1712.5	25	0	4.576	Pass
		1732.5	25	0	4.561	Pass
		1752.5	25	0	4.550	Pass
10	QPSK	1715	50	0	9.028	Pass
		1732.5	50	0	9.041	Pass
		1750	50	0	9.075	Pass
	16QAM	1715	50	0	9.047	Pass
		1732.5	50	0	9.035	Pass
		1750	50	0	9.051	Pass
15	QPSK	1717.5	75	0	13.594	Pass
		1732.5	75	0	13.549	Pass
		1747.5	75	0	13.604	Pass
	16QAM	1717.5	75	0	13.575	Pass
		1732.5	75	0	13.584	Pass
		1747.5	75	0	13.584	Pass
20	QPSK	1720	100	0	18.042	Pass
		1732.5	100	0	18.101	Pass
		1745	100	0	18.087	Pass
	16QAM	1720	100	0	18.084	Pass
		1732.5	100	0	18.072	Pass
		1745	100	0	18.211	Pass



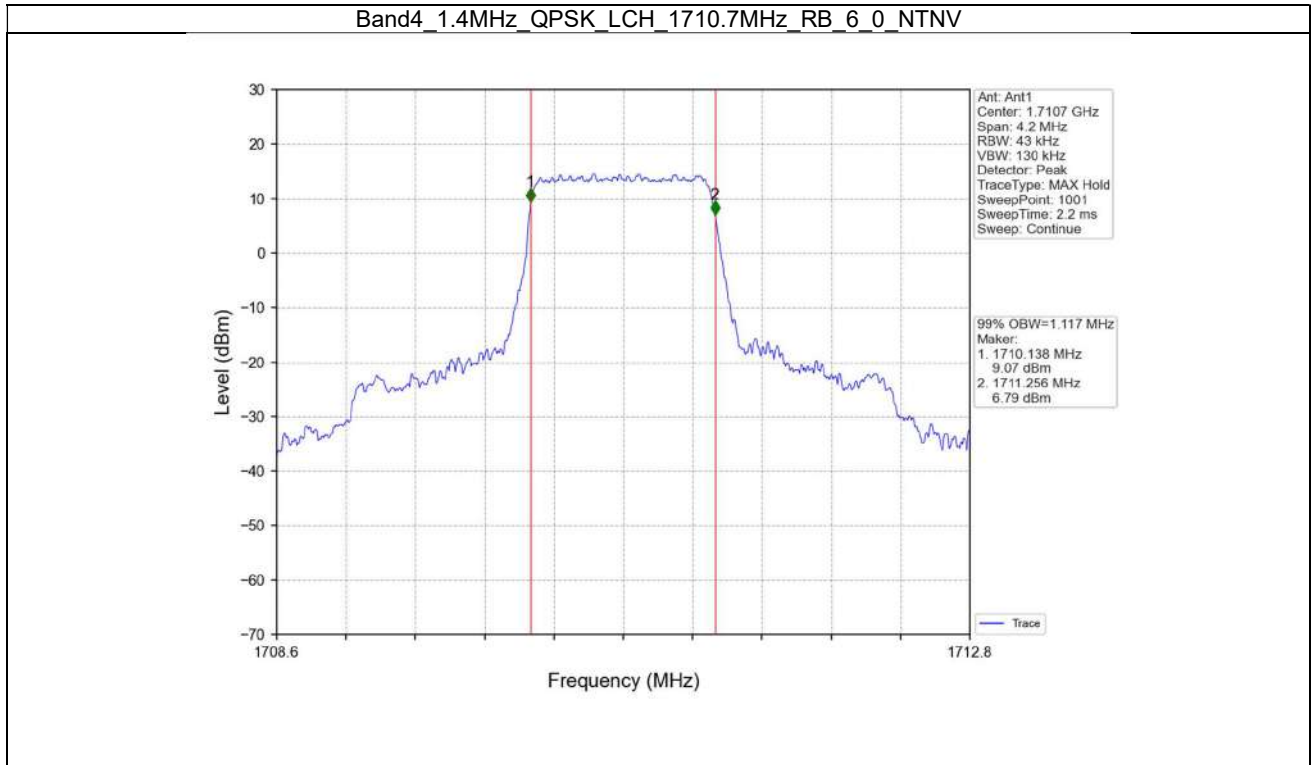
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4.1.2 Test Graph



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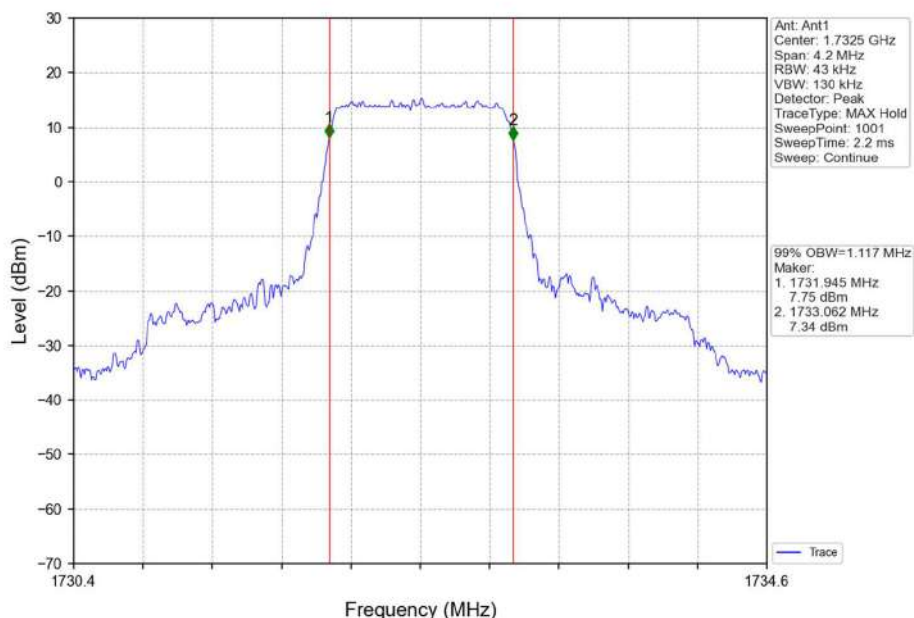
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Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



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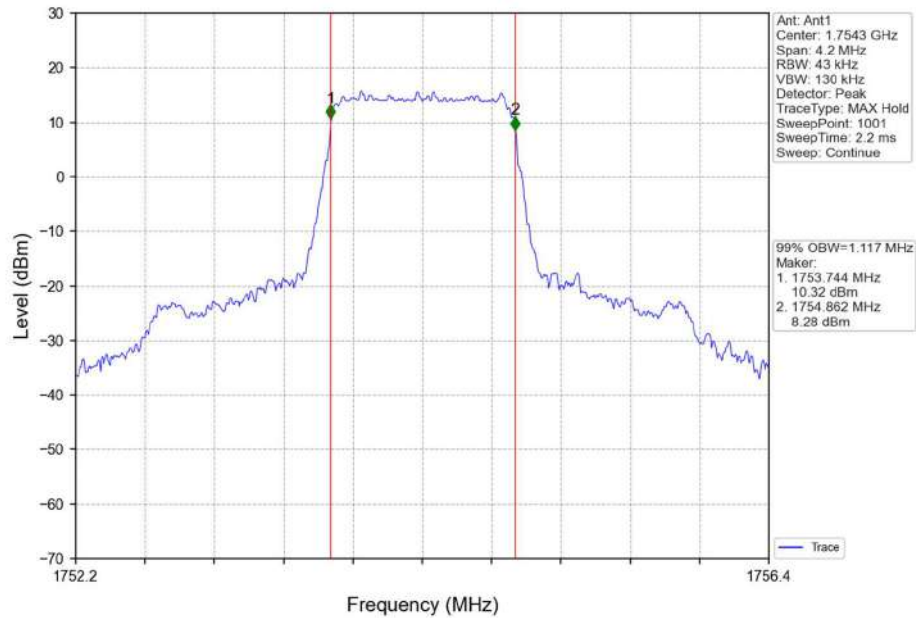
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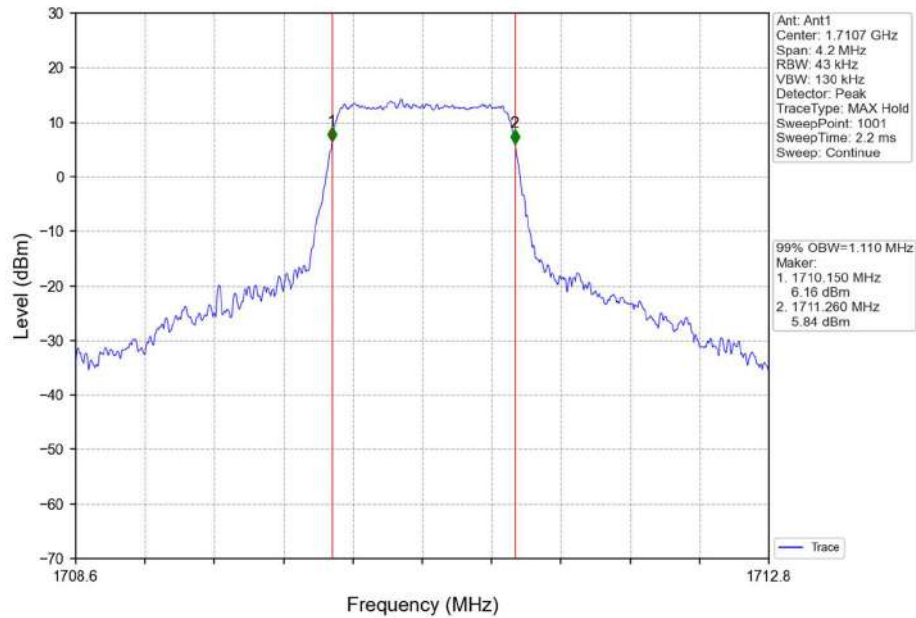
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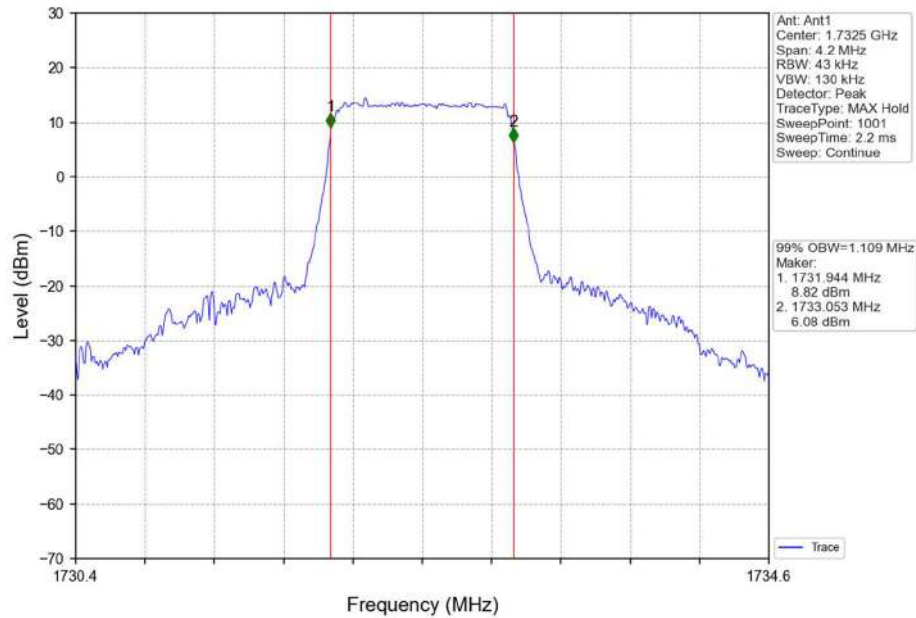
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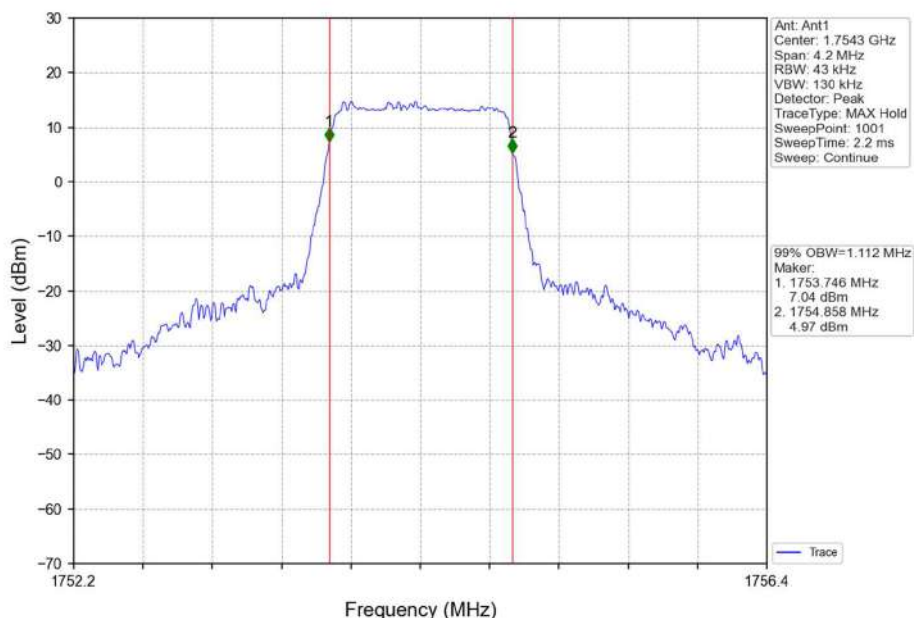
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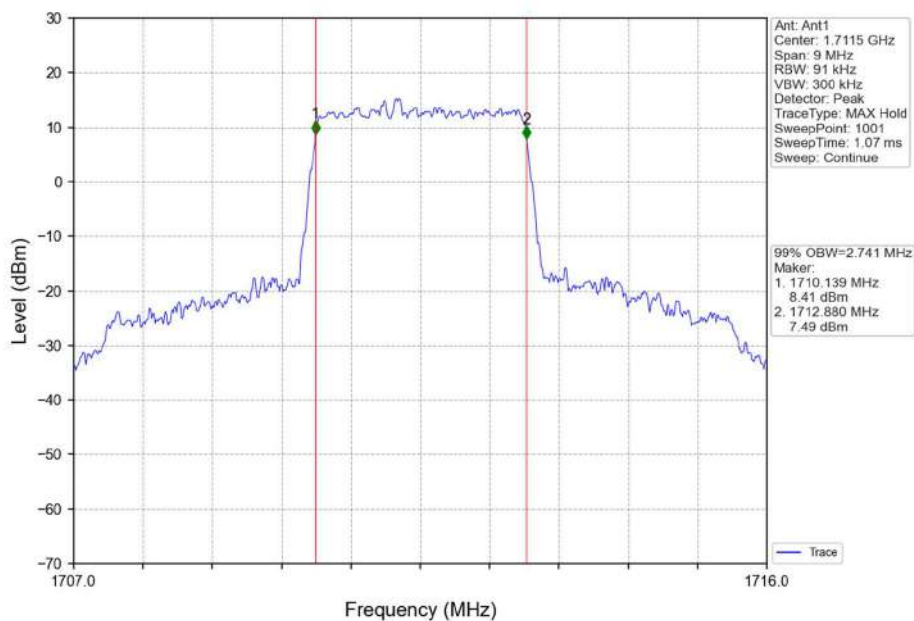
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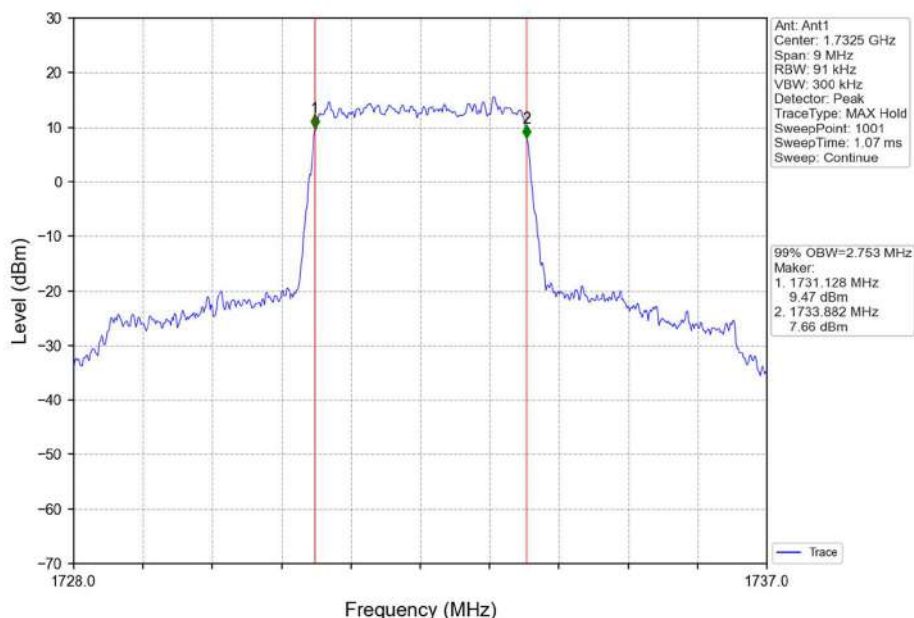
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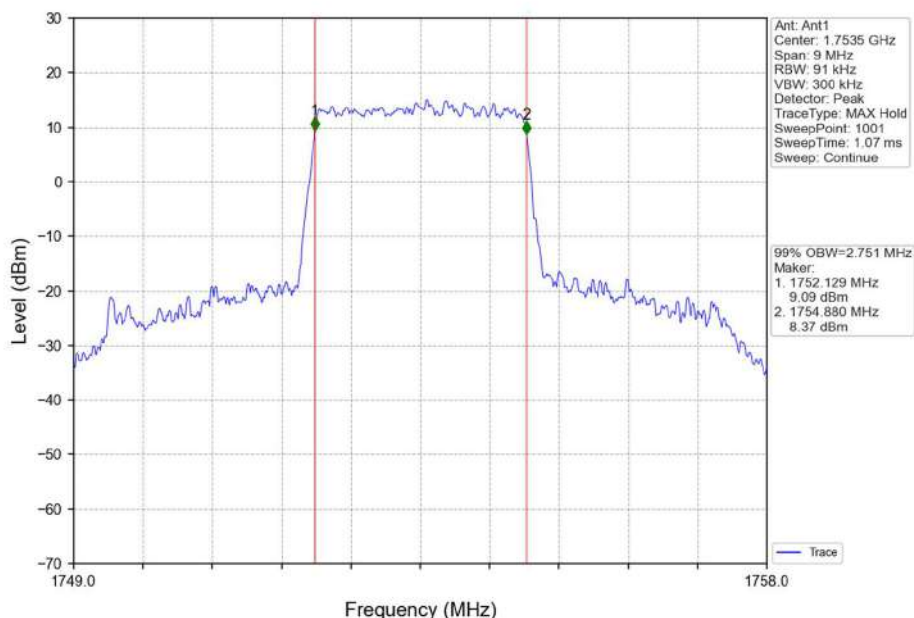
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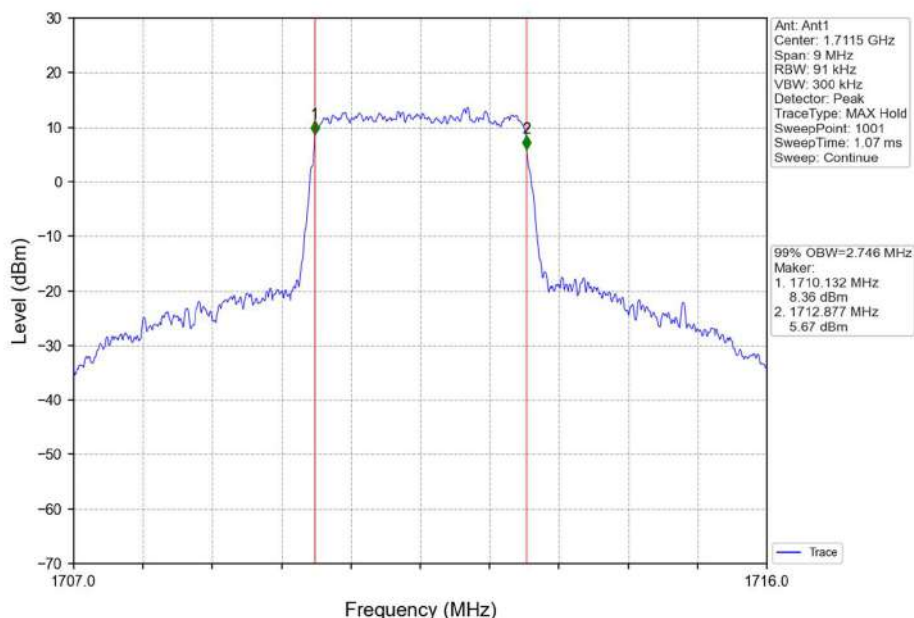
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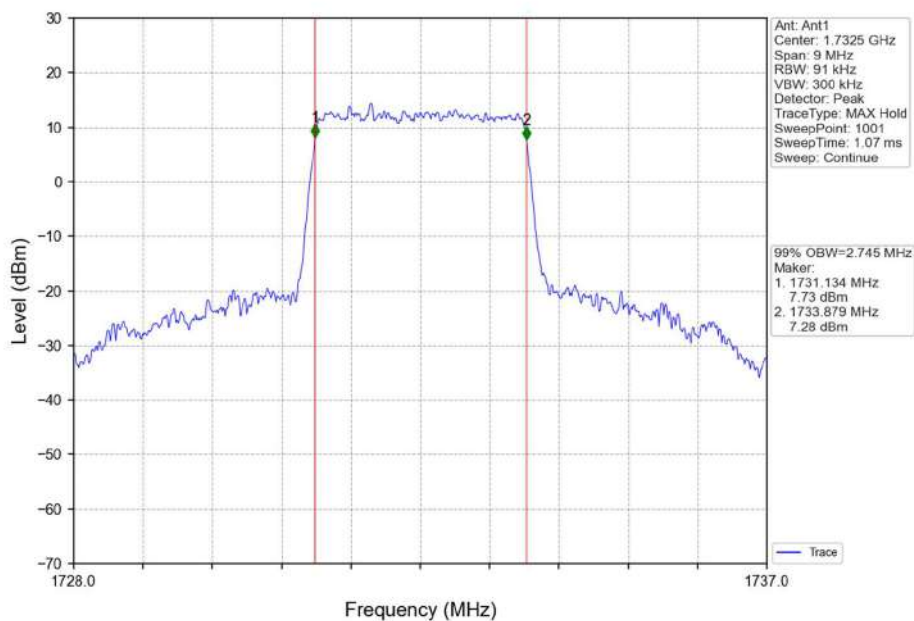
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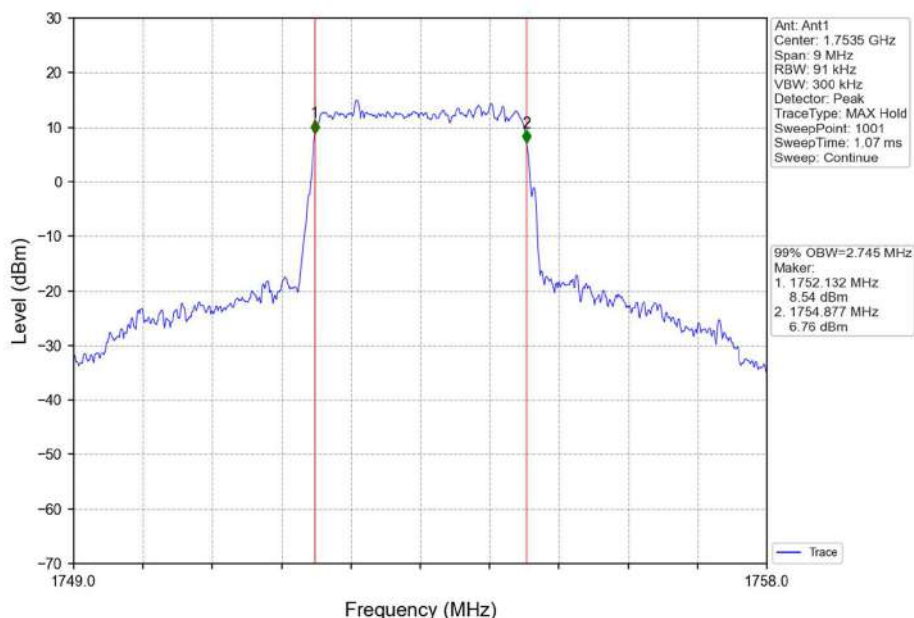
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Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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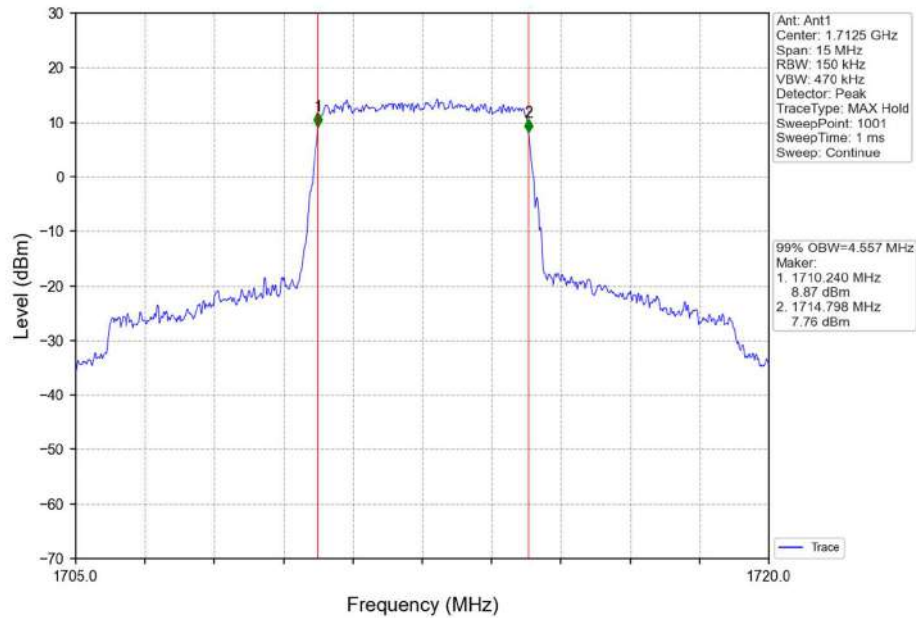
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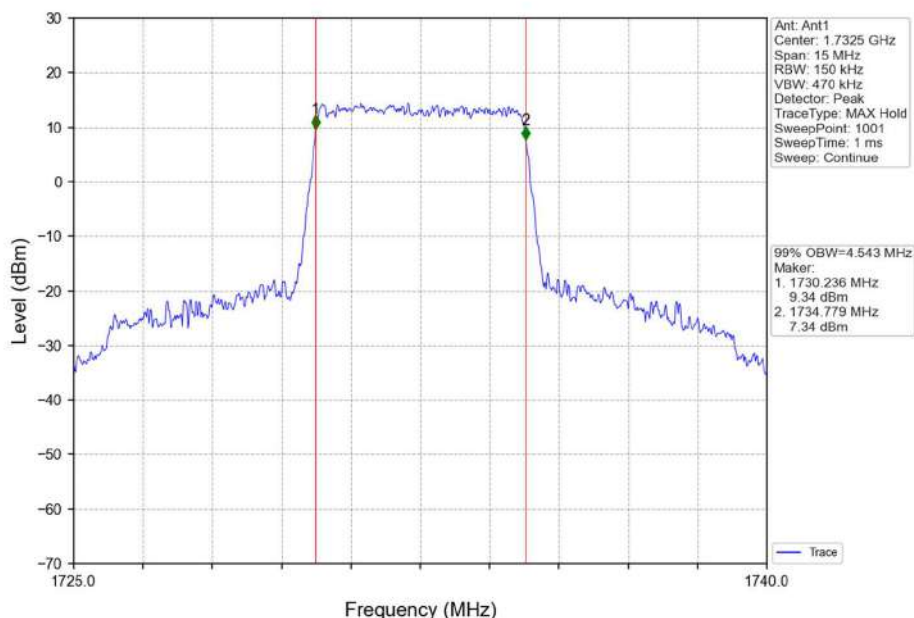
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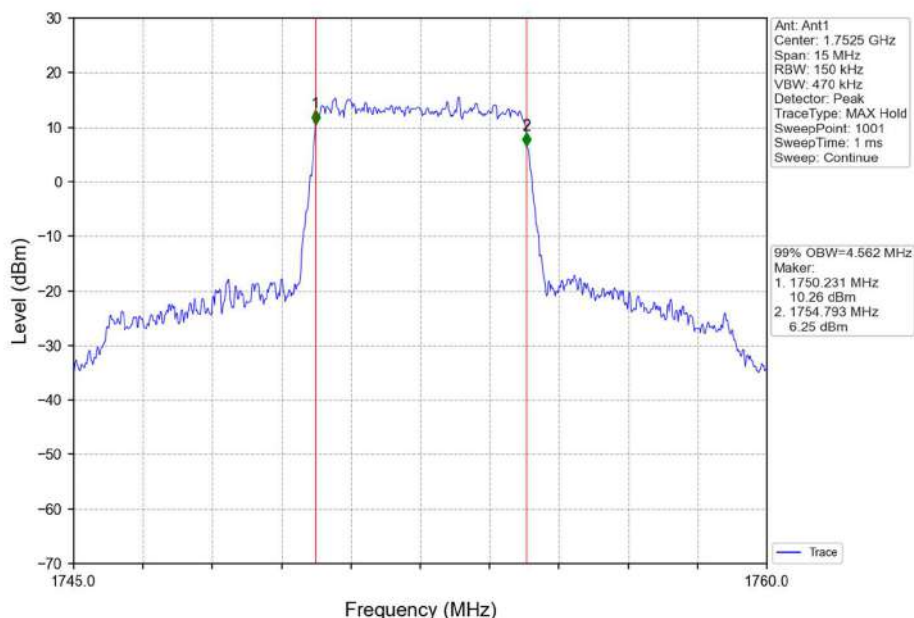
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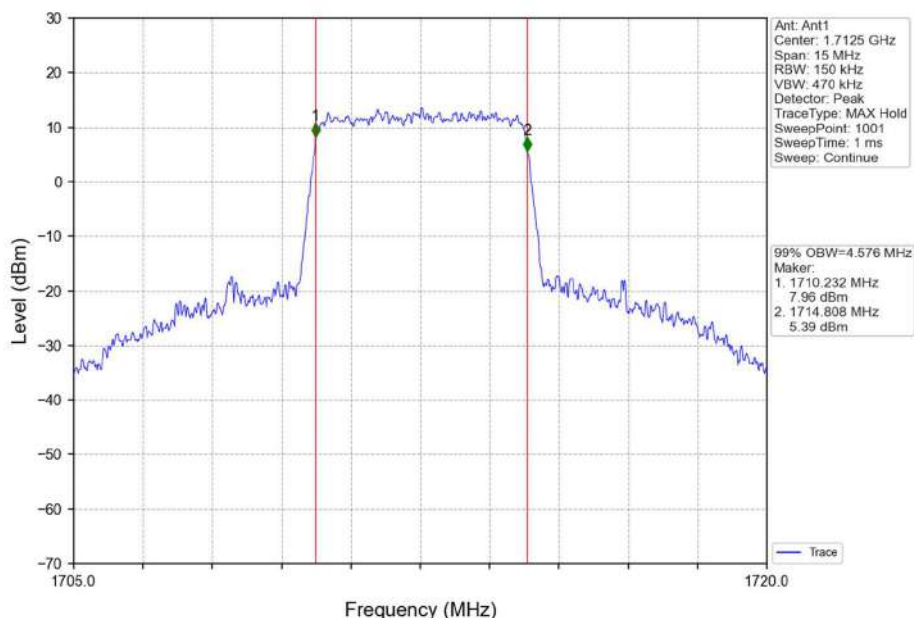
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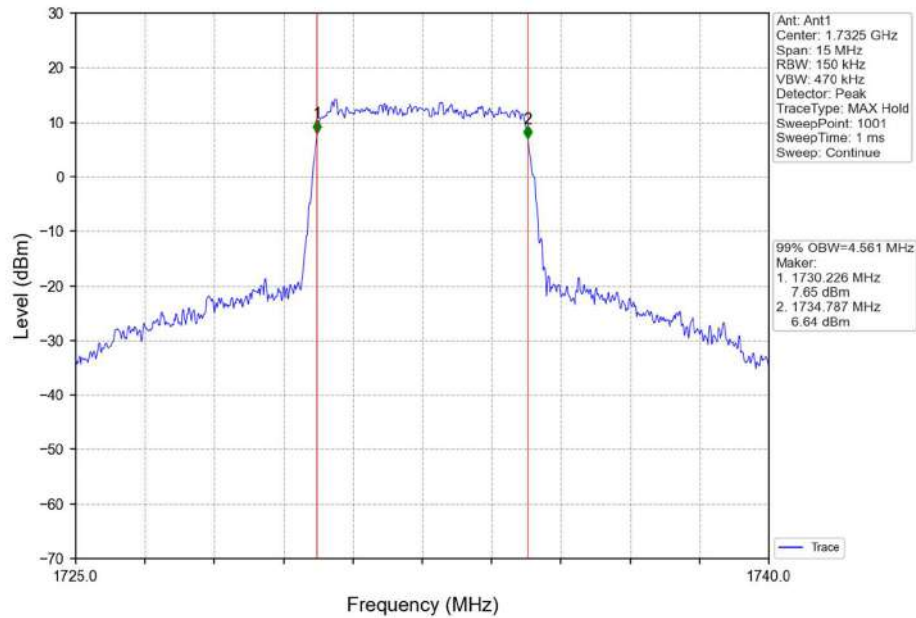
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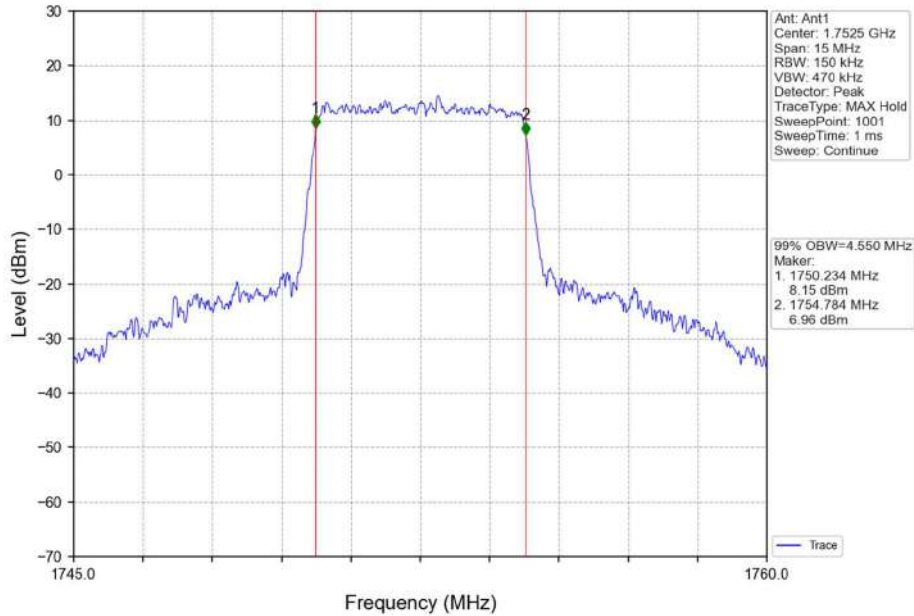
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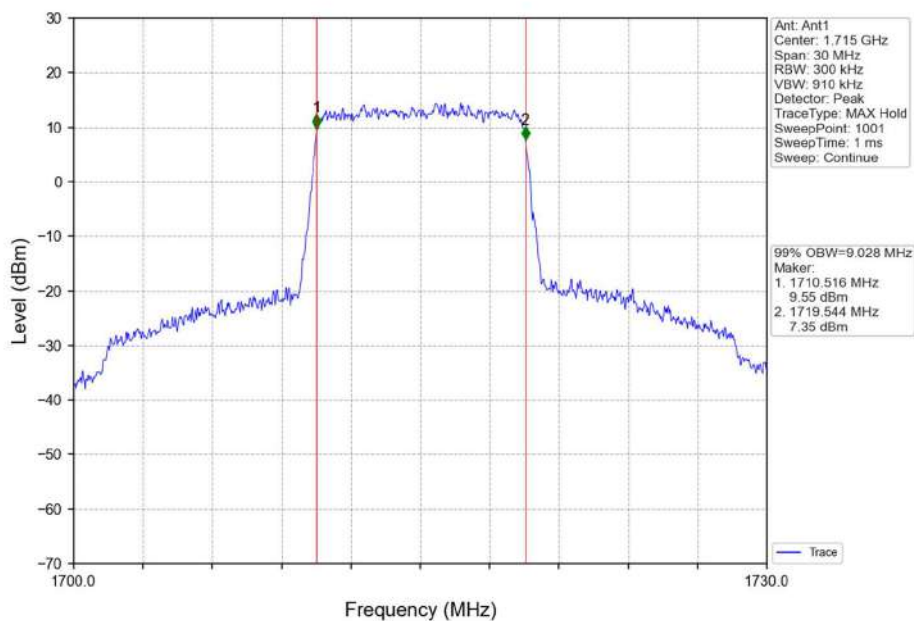
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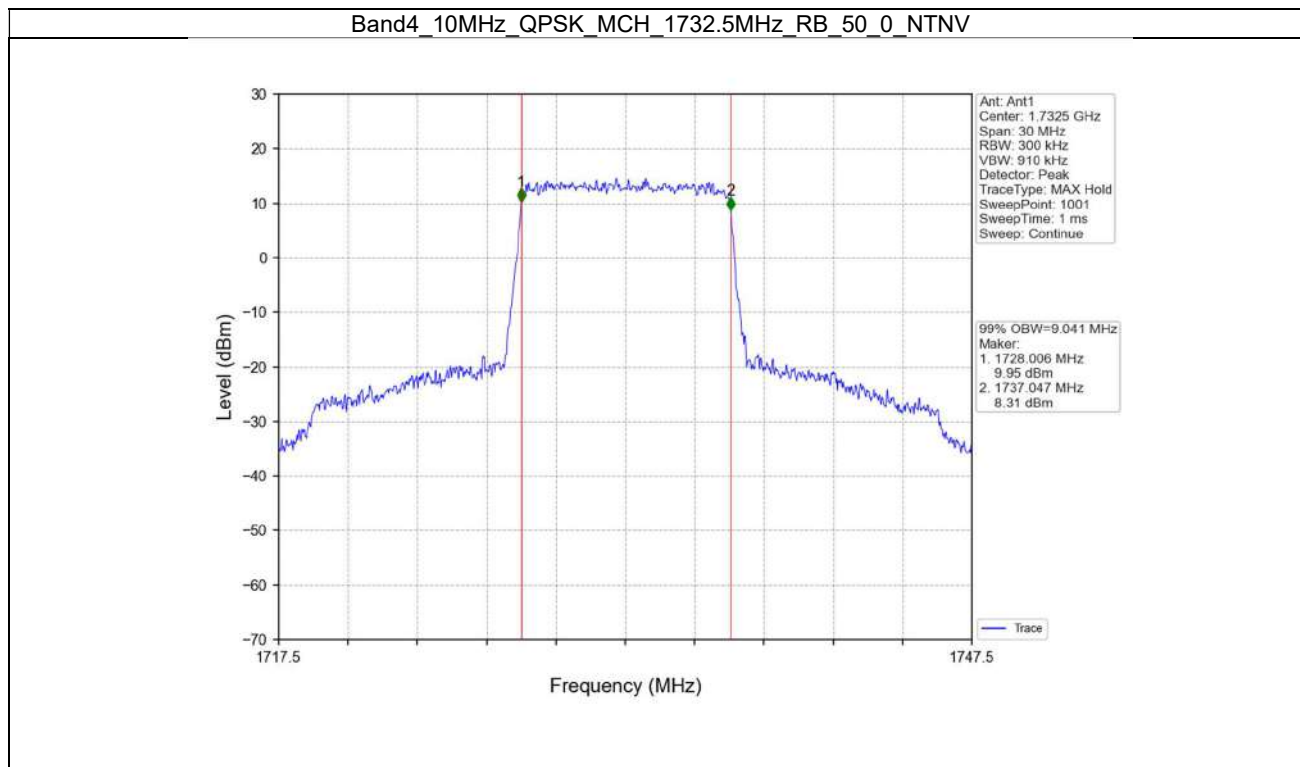


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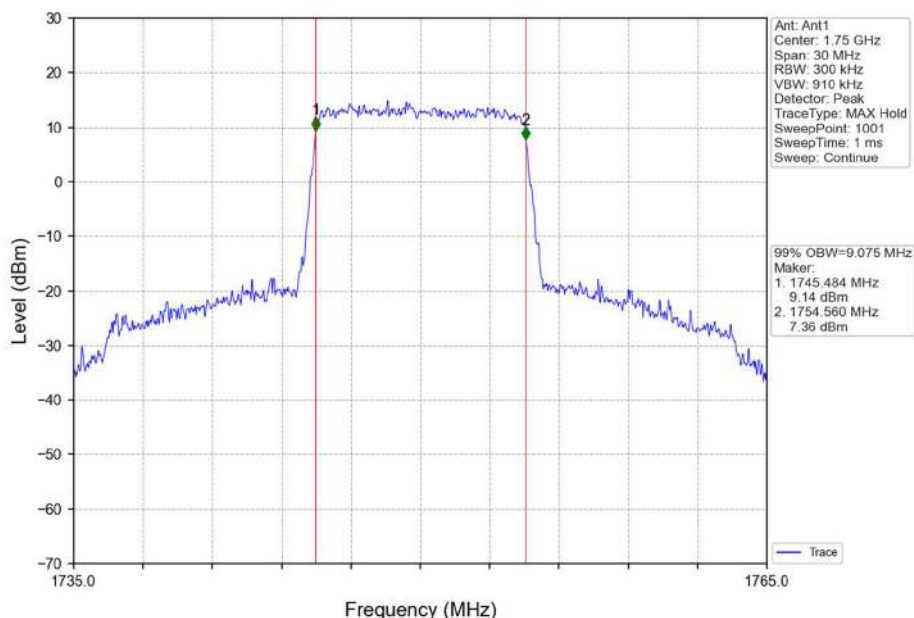
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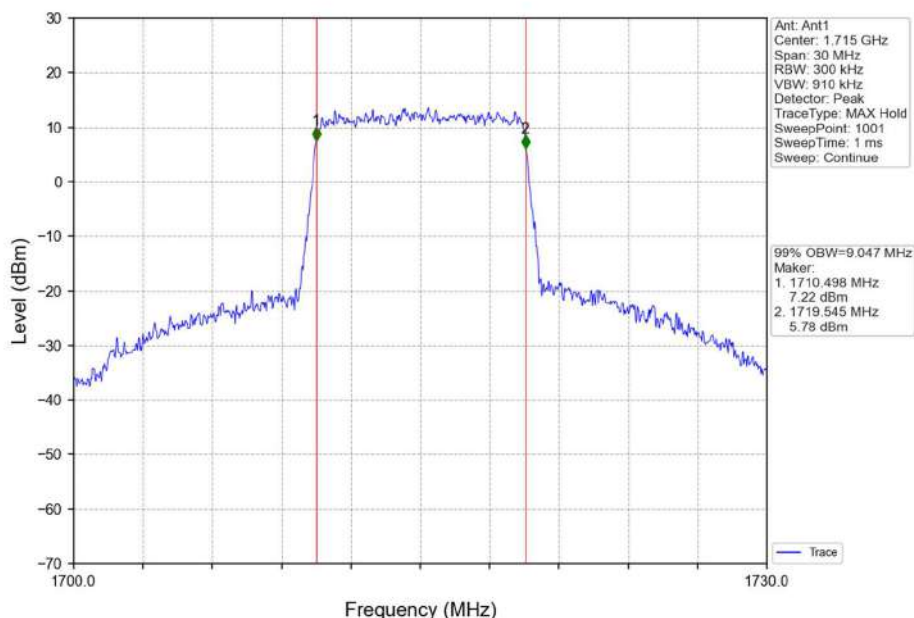
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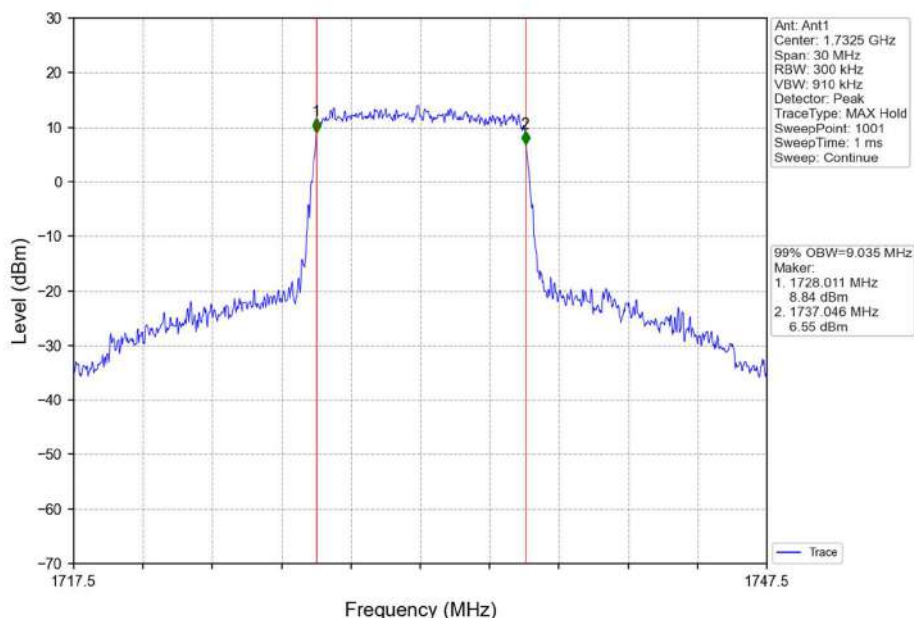
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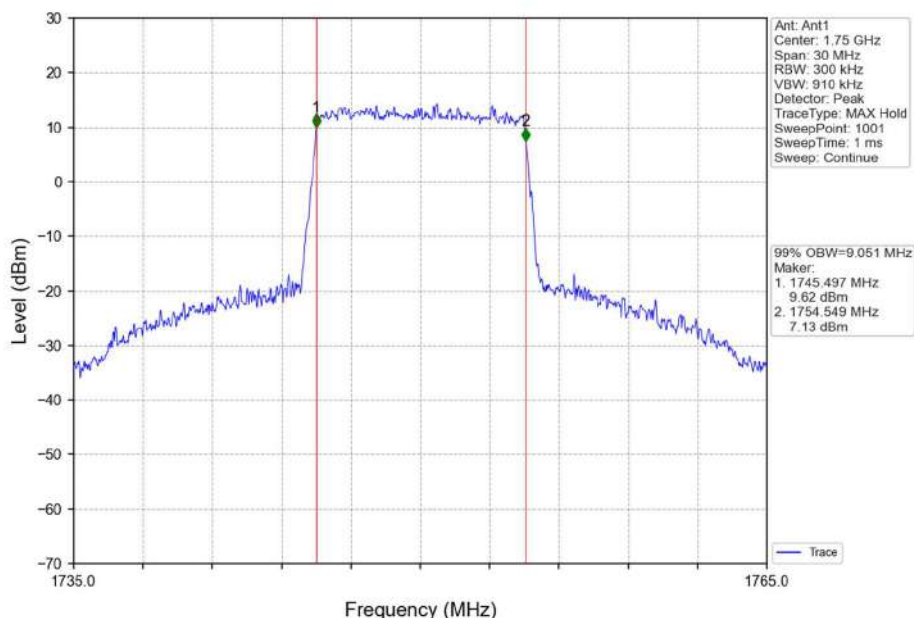
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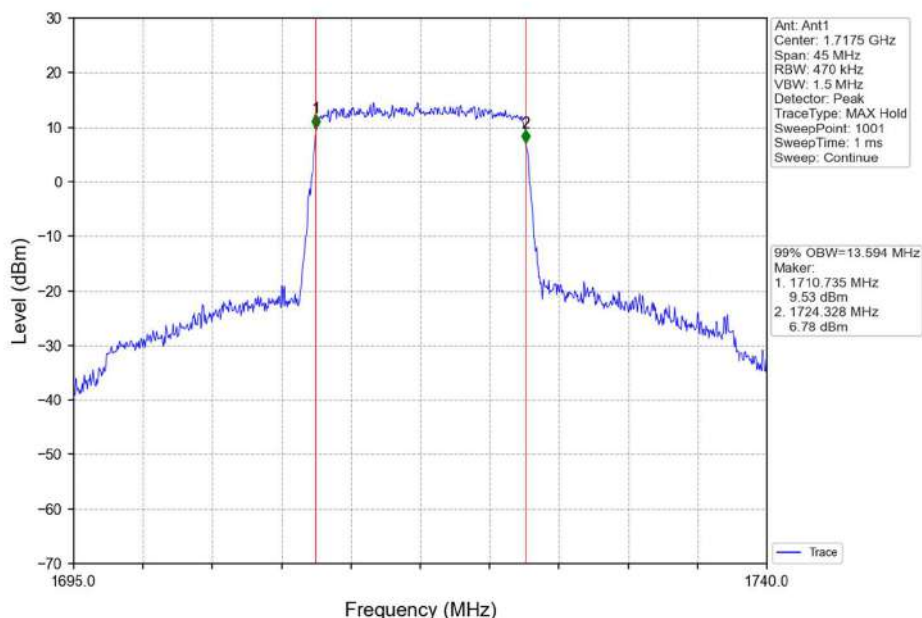
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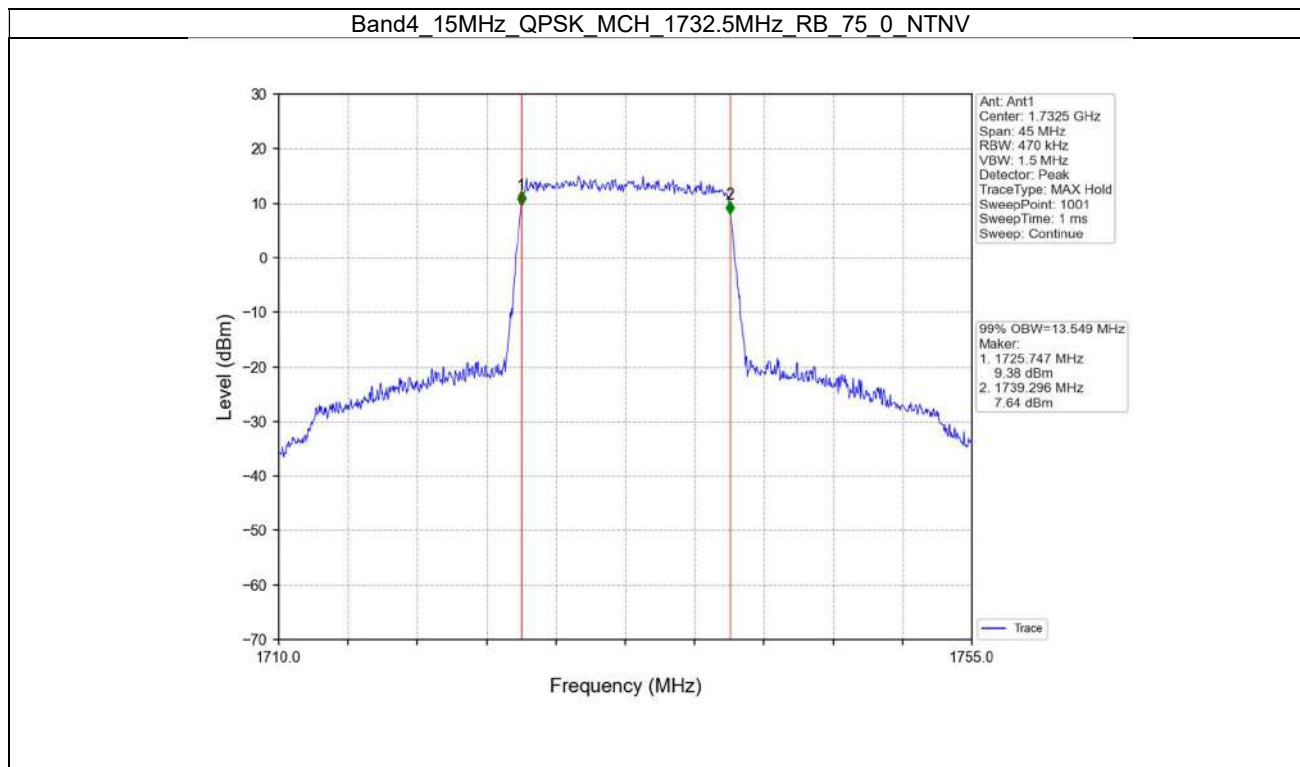


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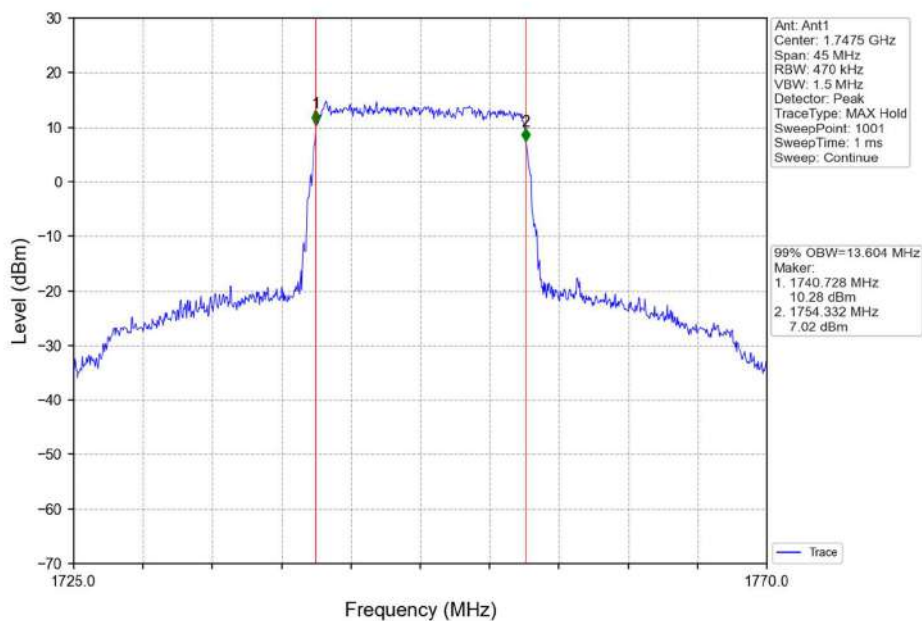
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



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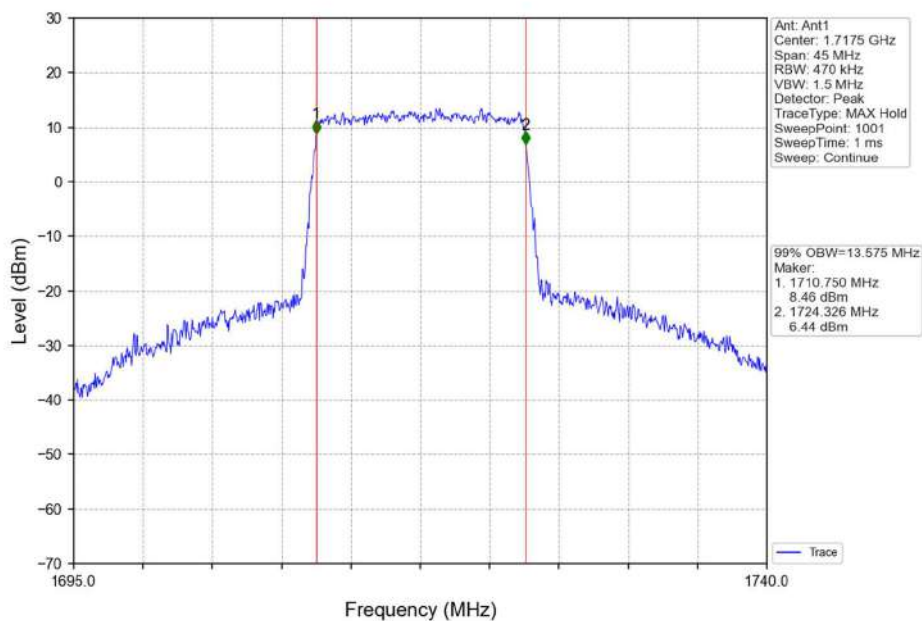
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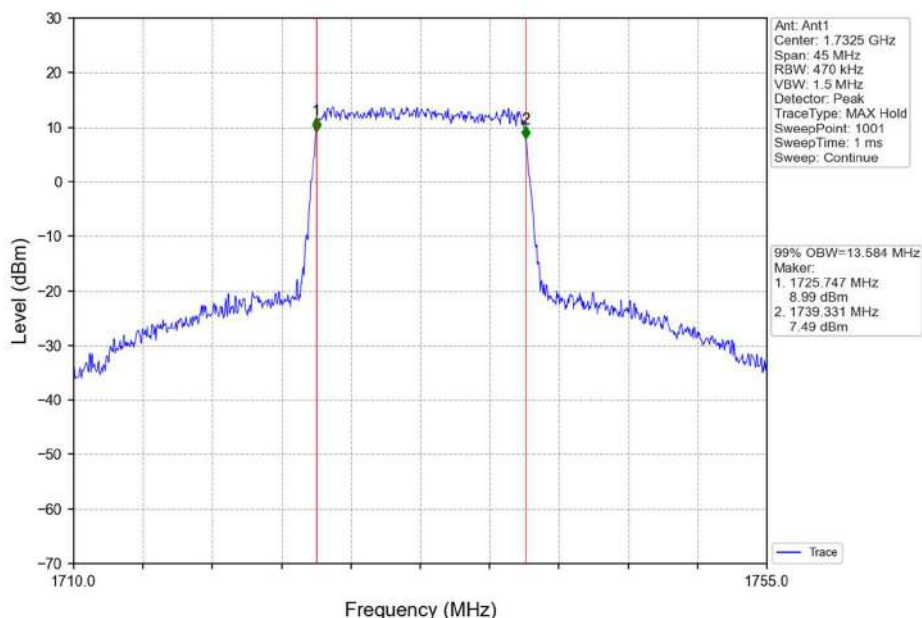
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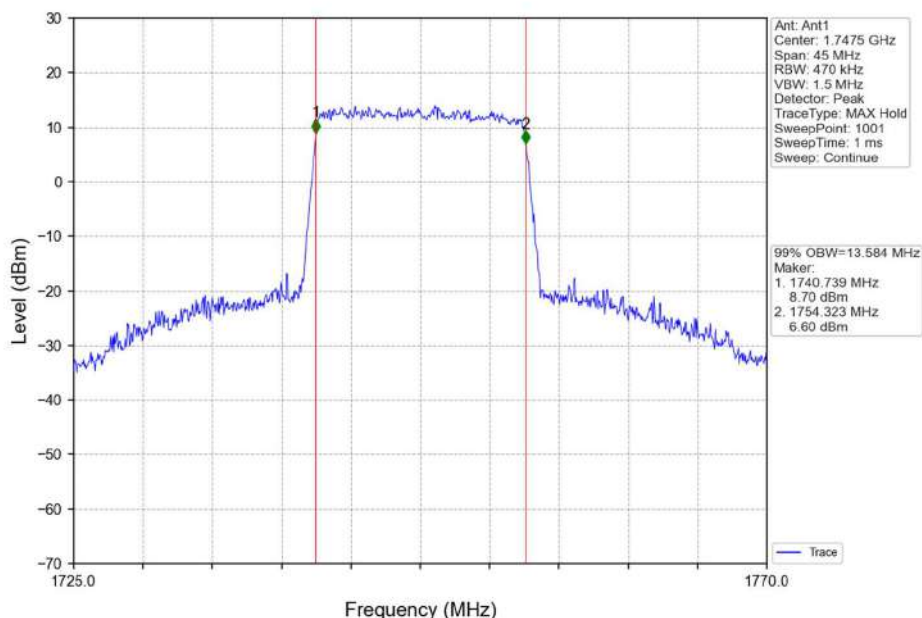
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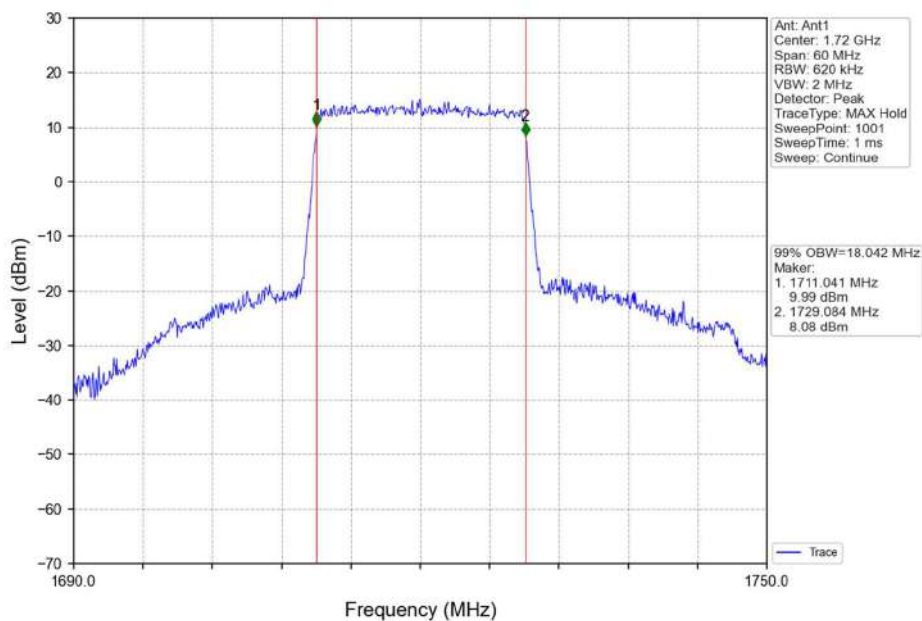
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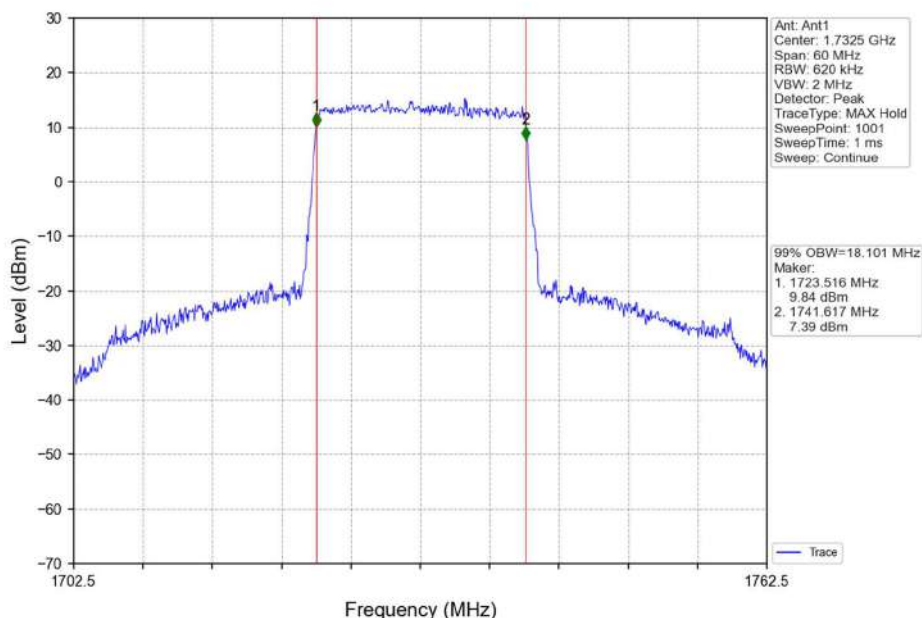
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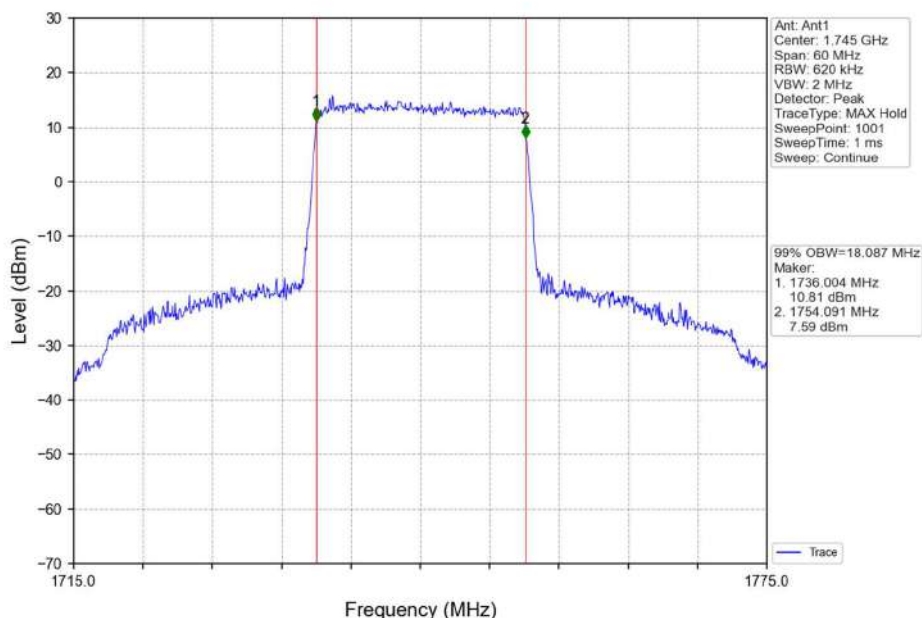
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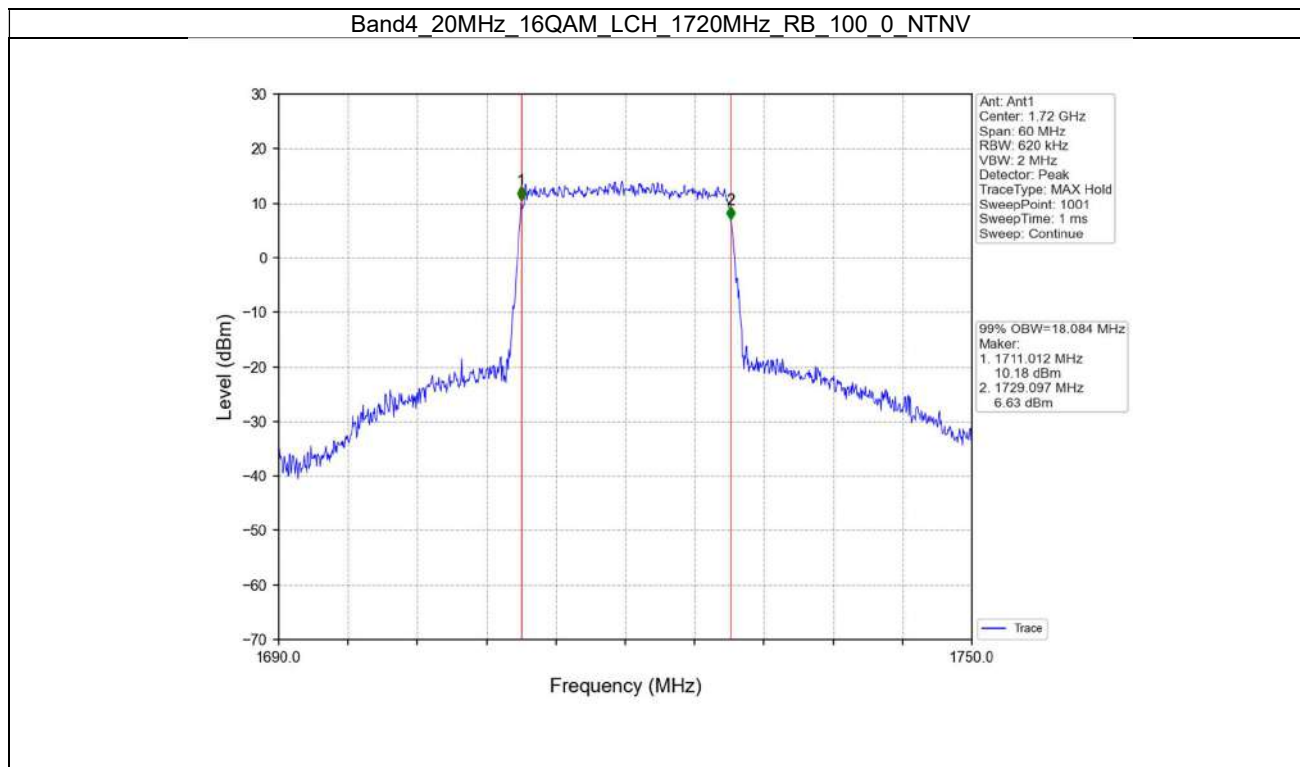


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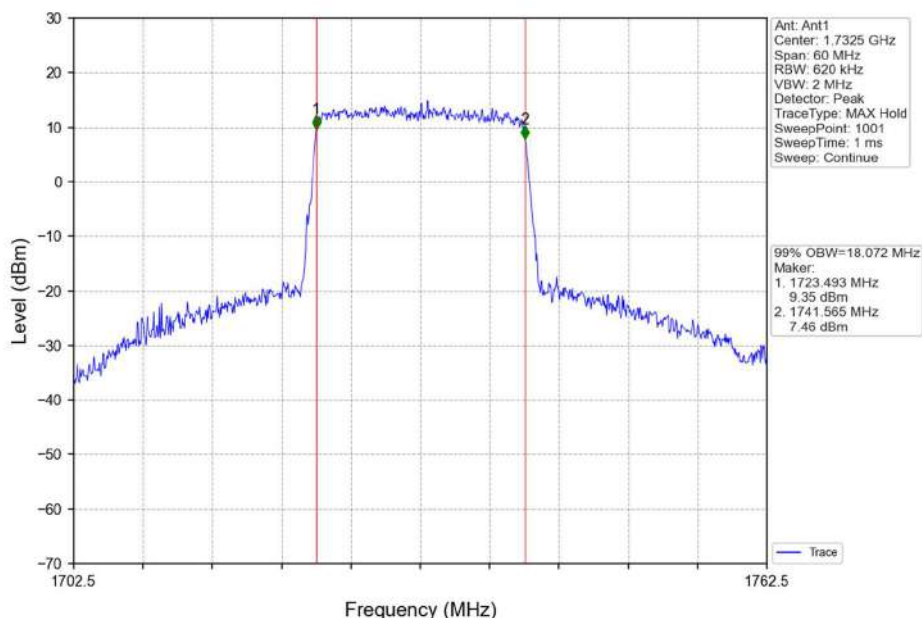
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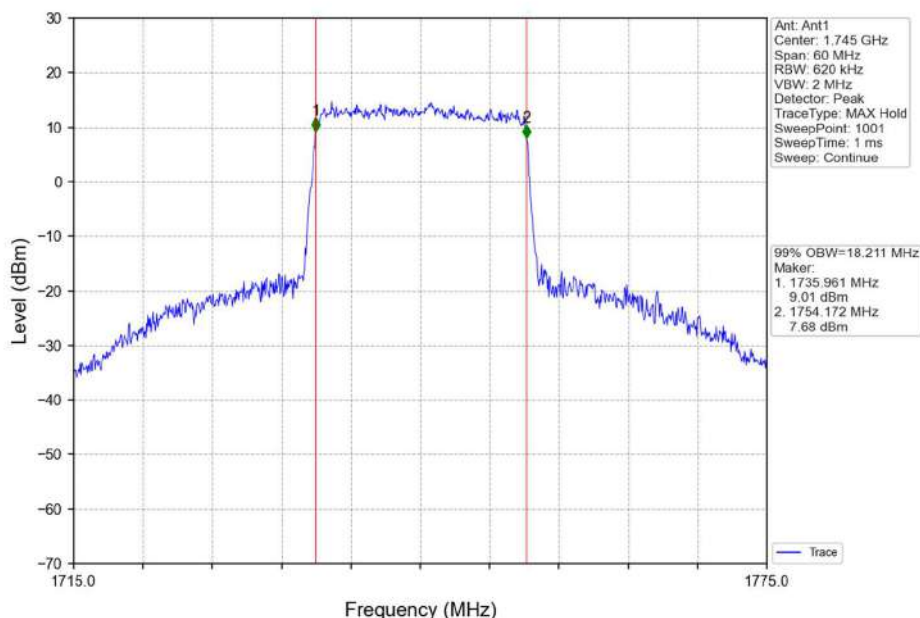
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4.2 Band4_XDB

4.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.322	Pass
		1732.5	6	0	1.338	Pass
		1754.3	6	0	1.312	Pass
	16QAM	1710.7	6	0	1.321	Pass
		1732.5	6	0	1.303	Pass
		1754.3	6	0	1.330	Pass
3	QPSK	1711.5	15	0	3.040	Pass
		1732.5	15	0	3.049	Pass
		1753.5	15	0	3.059	Pass
	16QAM	1711.5	15	0	3.050	Pass
		1732.5	15	0	3.030	Pass
		1753.5	15	0	3.038	Pass
5	QPSK	1712.5	25	0	5.101	Pass
		1732.5	25	0	5.094	Pass
		1752.5	25	0	5.104	Pass
	16QAM	1712.5	25	0	5.101	Pass
		1732.5	25	0	5.102	Pass
		1752.5	25	0	5.067	Pass
10	QPSK	1715	50	0	10.044	Pass
		1732.5	50	0	10.009	Pass
		1750	50	0	9.993	Pass
	16QAM	1715	50	0	10.056	Pass
		1732.5	50	0	9.928	Pass
		1750	50	0	9.990	Pass
15	QPSK	1717.5	75	0	14.938	Pass
		1732.5	75	0	14.979	Pass
		1747.5	75	0	15.163	Pass
	16QAM	1717.5	75	0	14.943	Pass
		1732.5	75	0	15.059	Pass
		1747.5	75	0	14.954	Pass
20	QPSK	1720	100	0	19.810	Pass
		1732.5	100	0	19.848	Pass
		1745	100	0	19.648	Pass
	16QAM	1720	100	0	19.826	Pass
		1732.5	100	0	19.876	Pass
		1745	100	0	19.722	Pass



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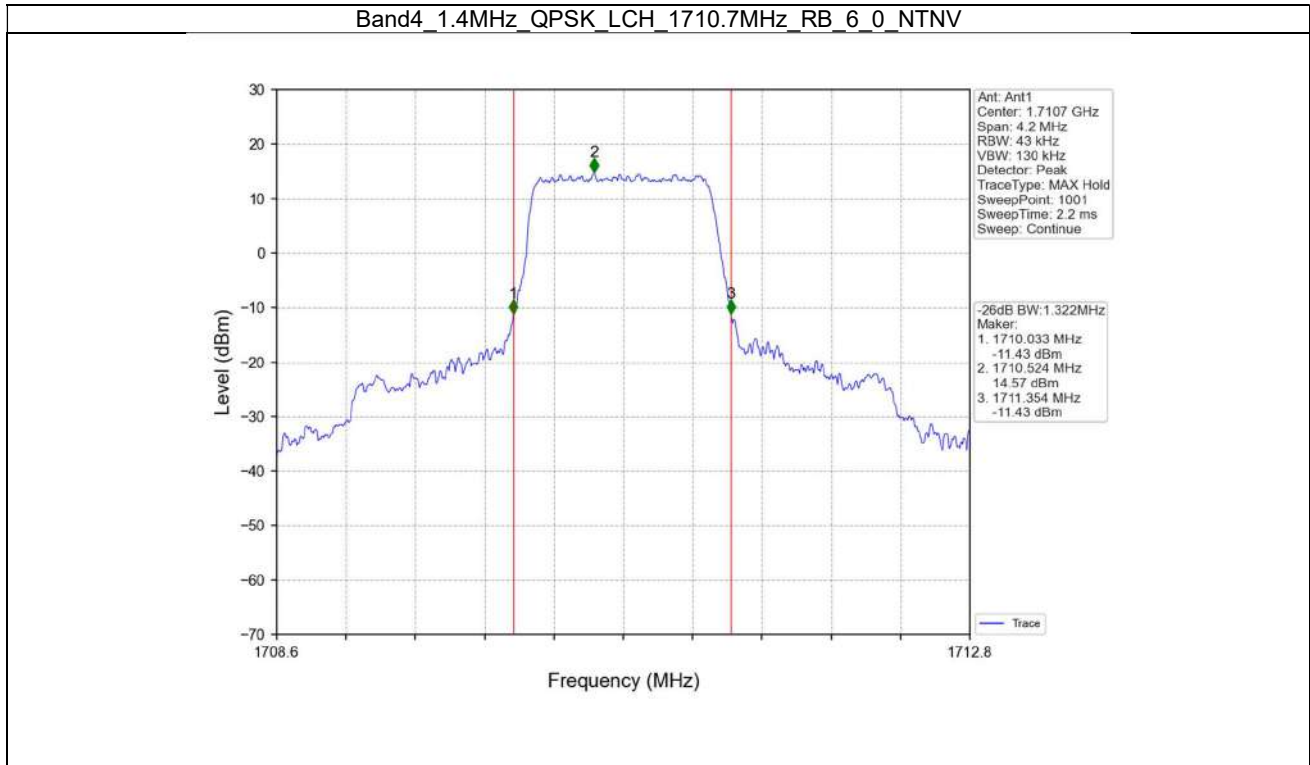
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4.2.2 Test Graph



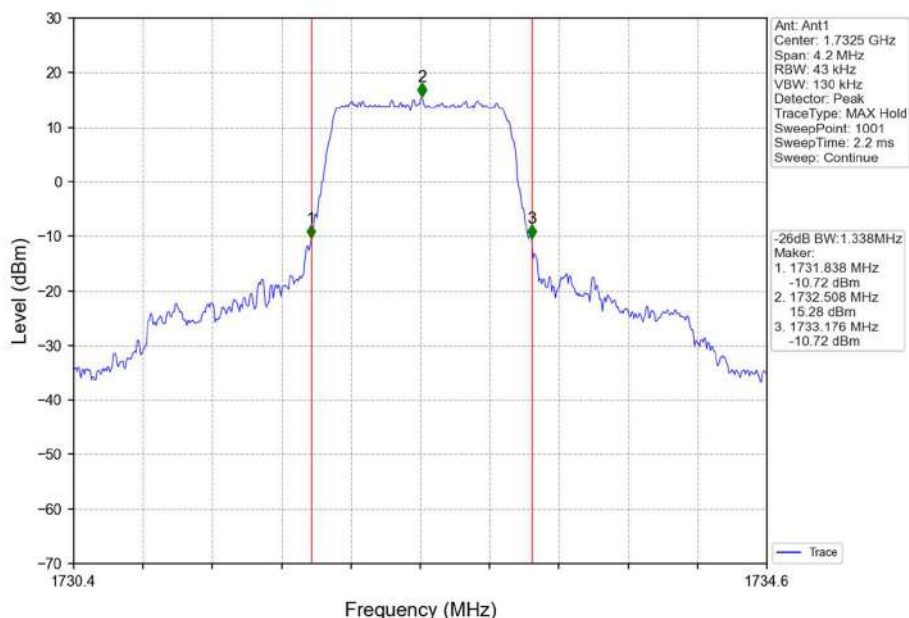
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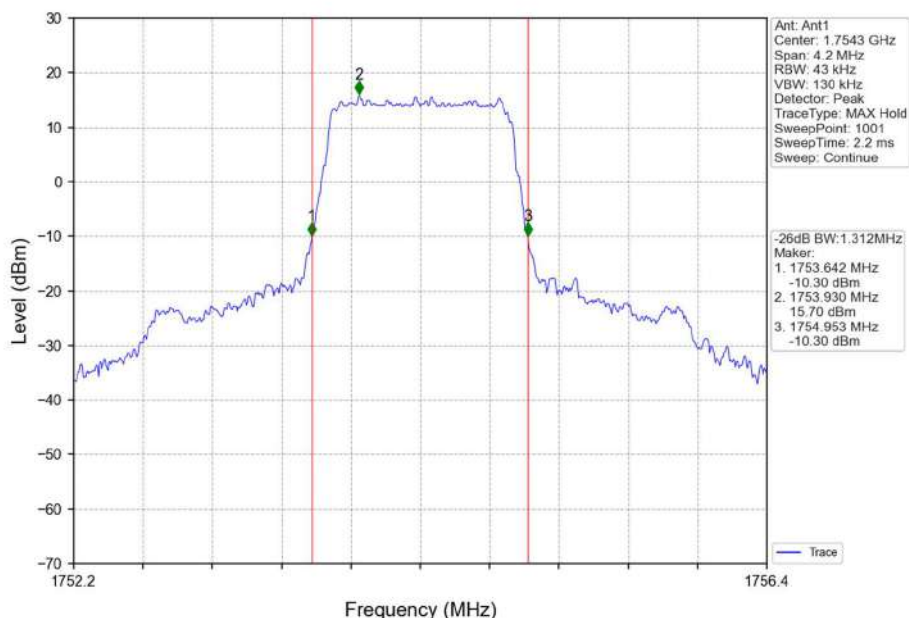
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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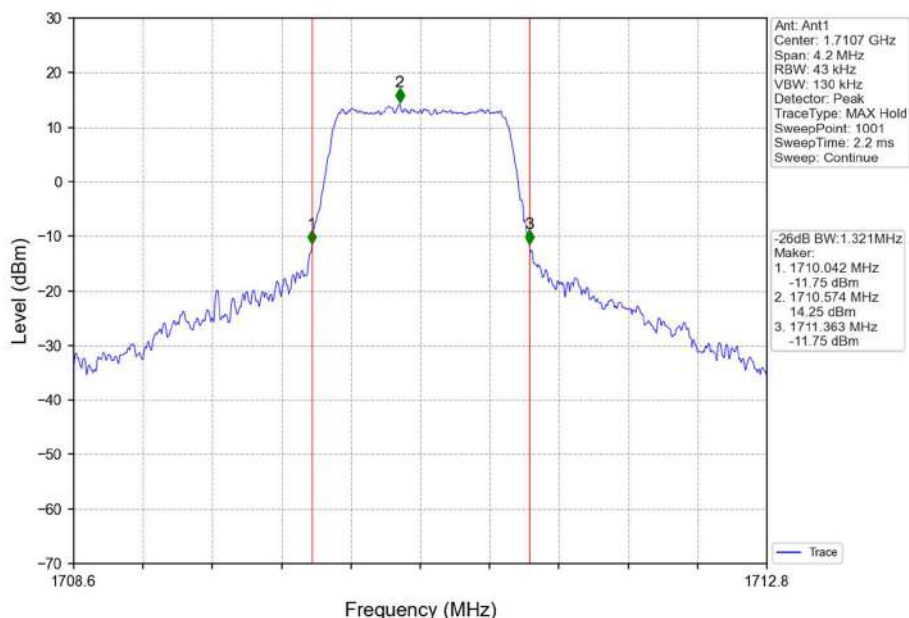
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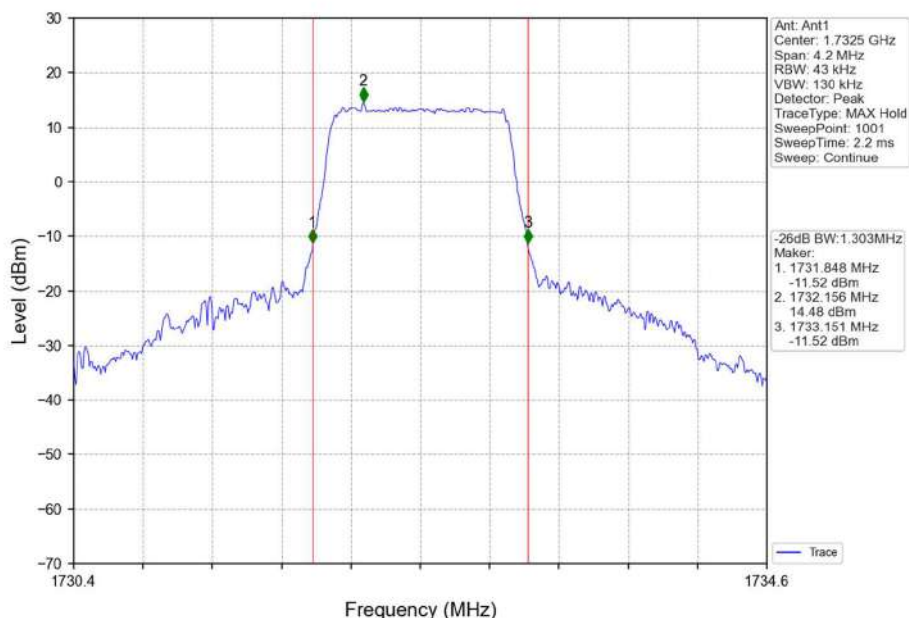
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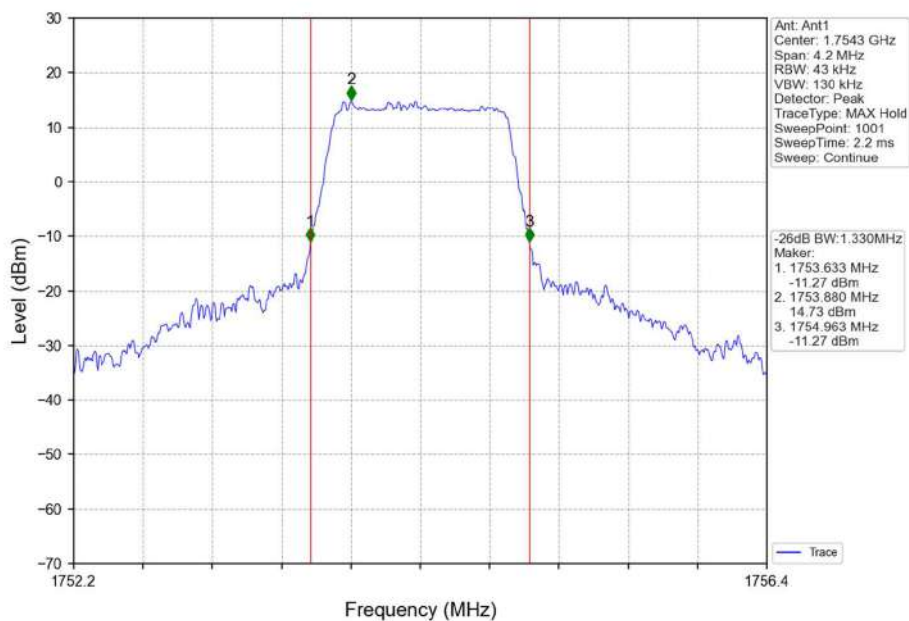
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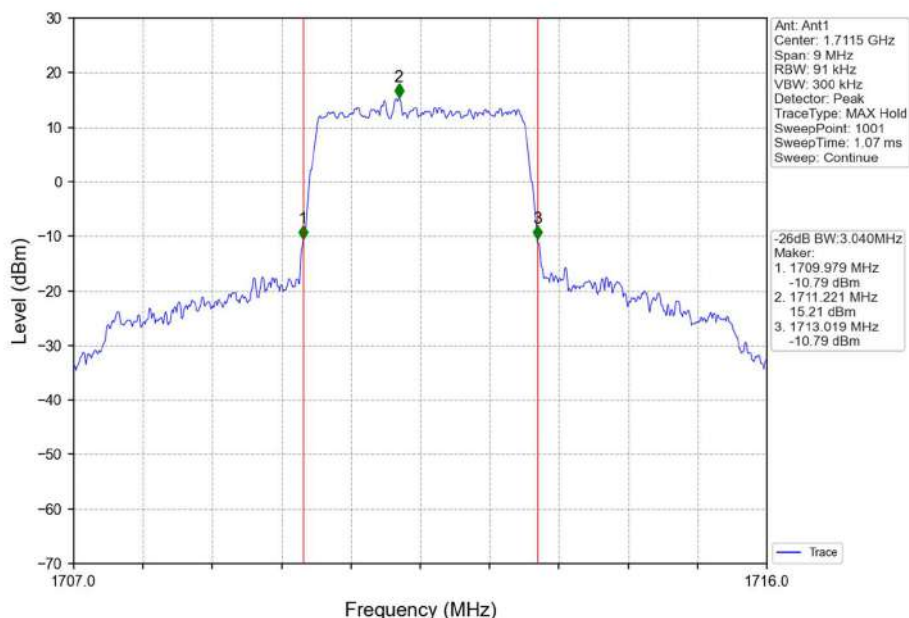
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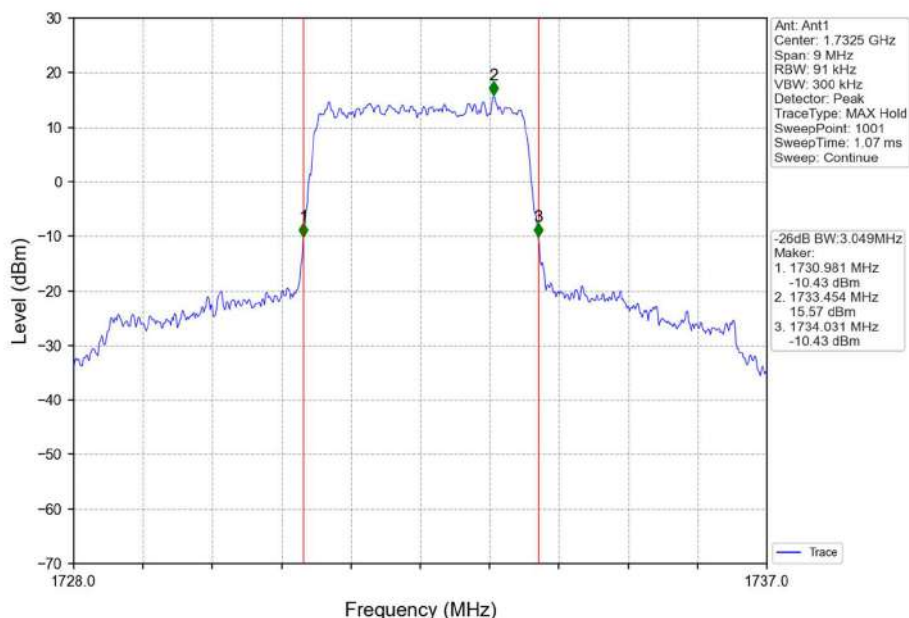
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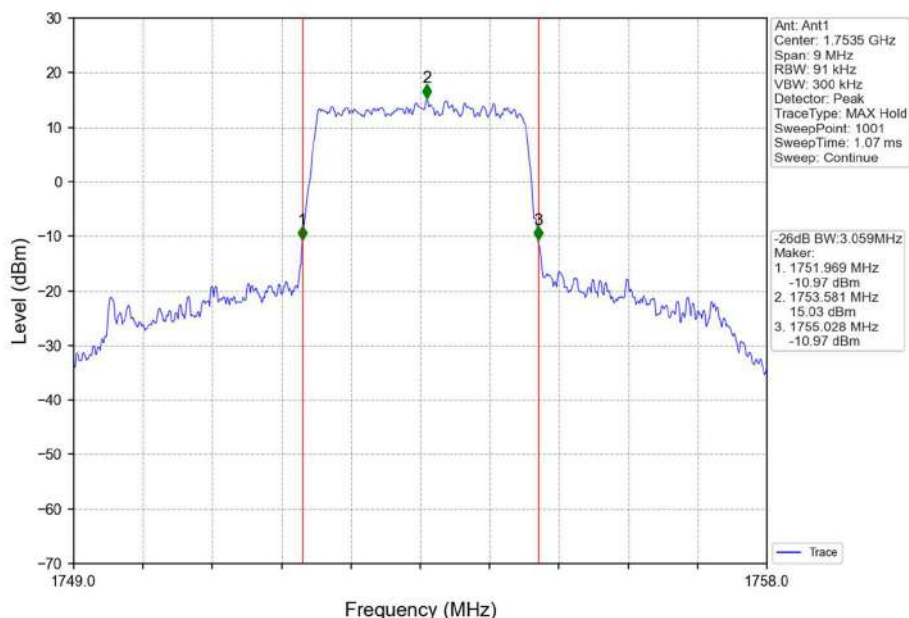
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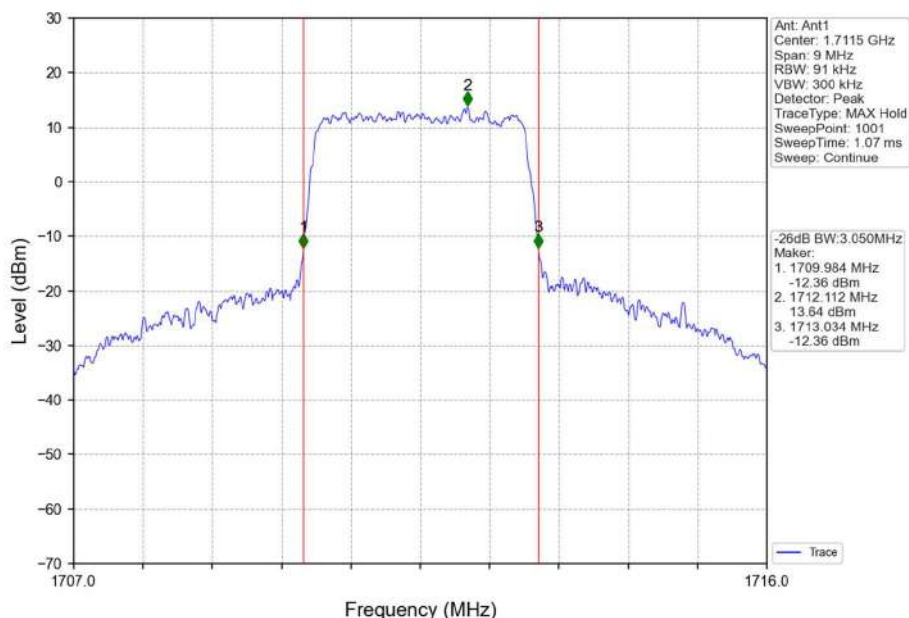
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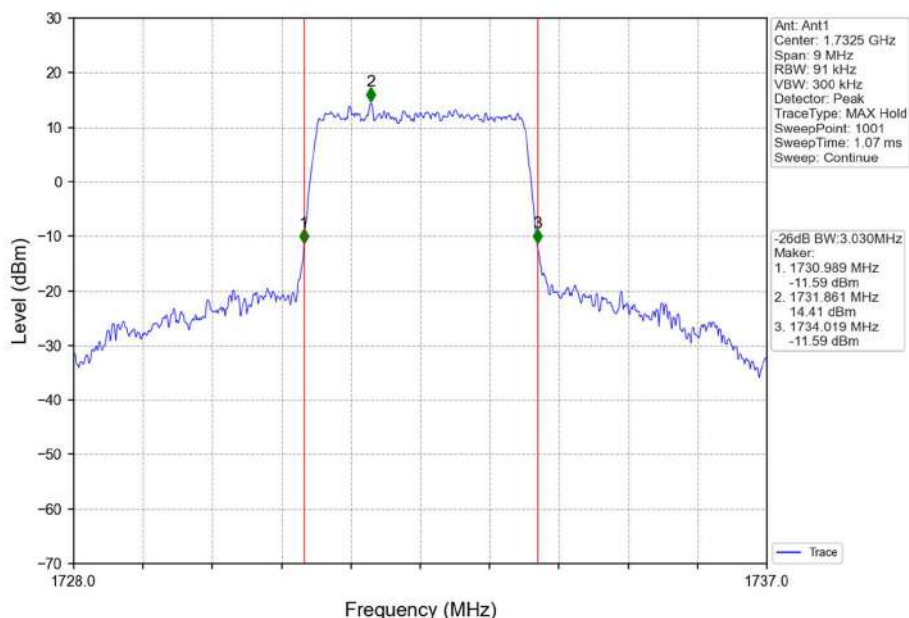
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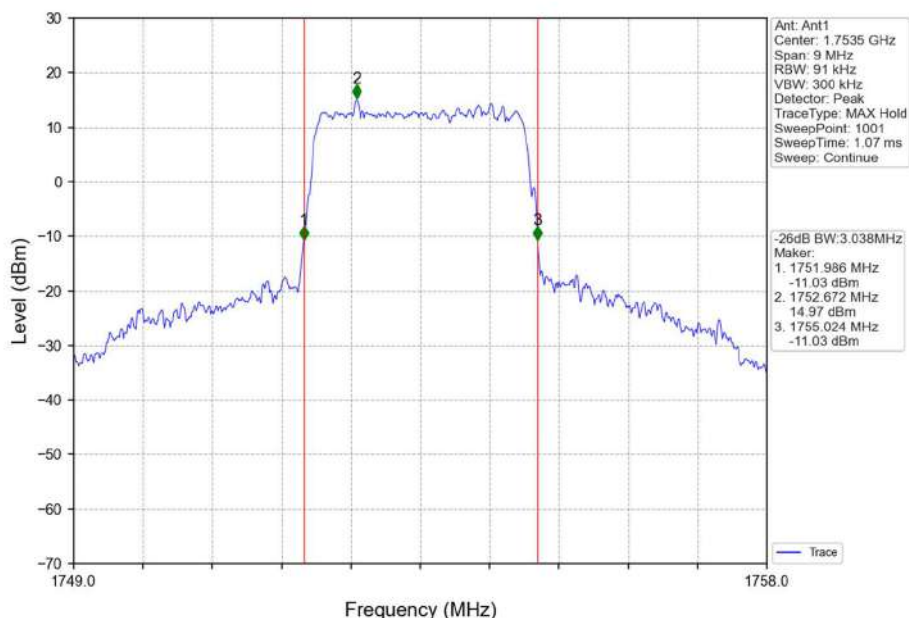
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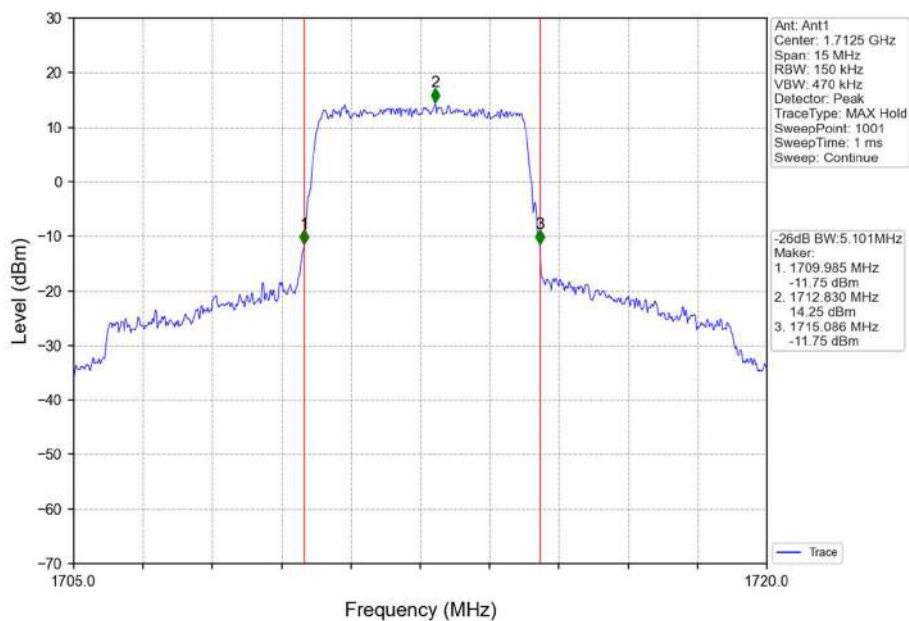
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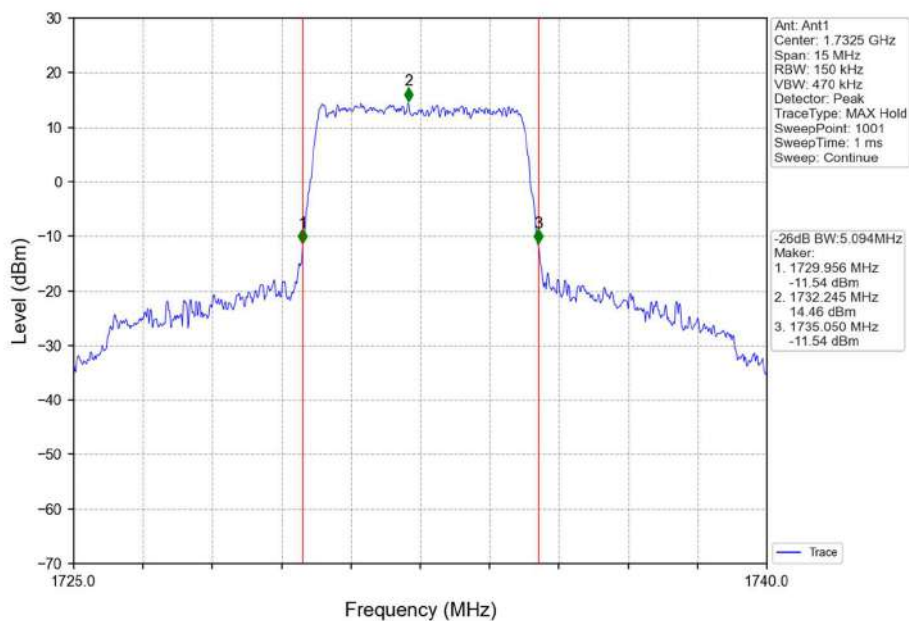
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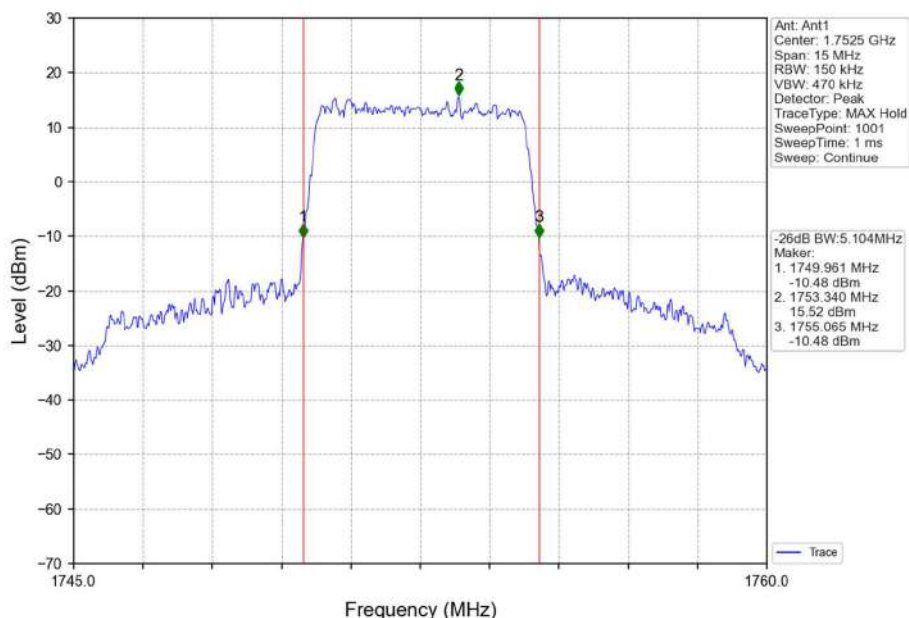
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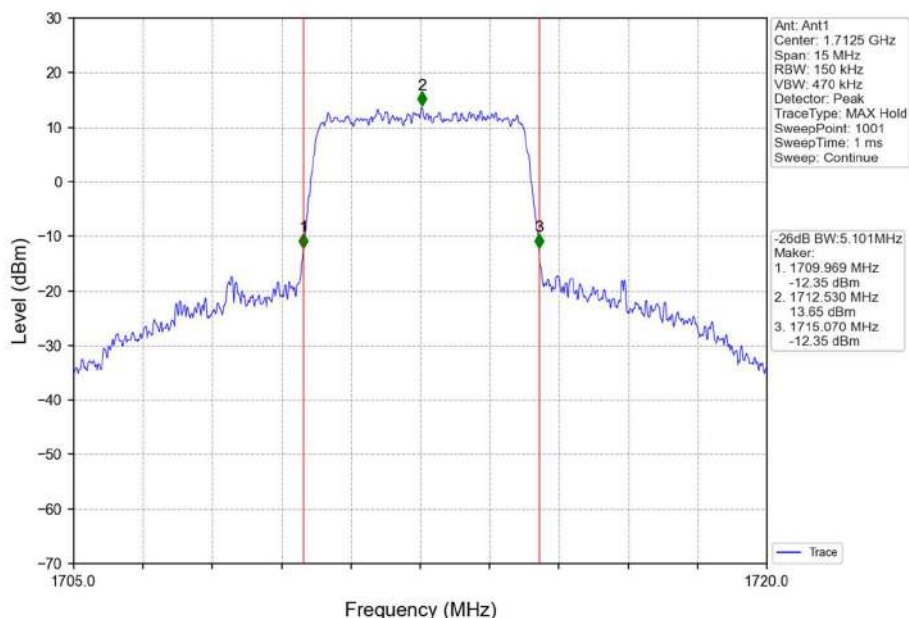
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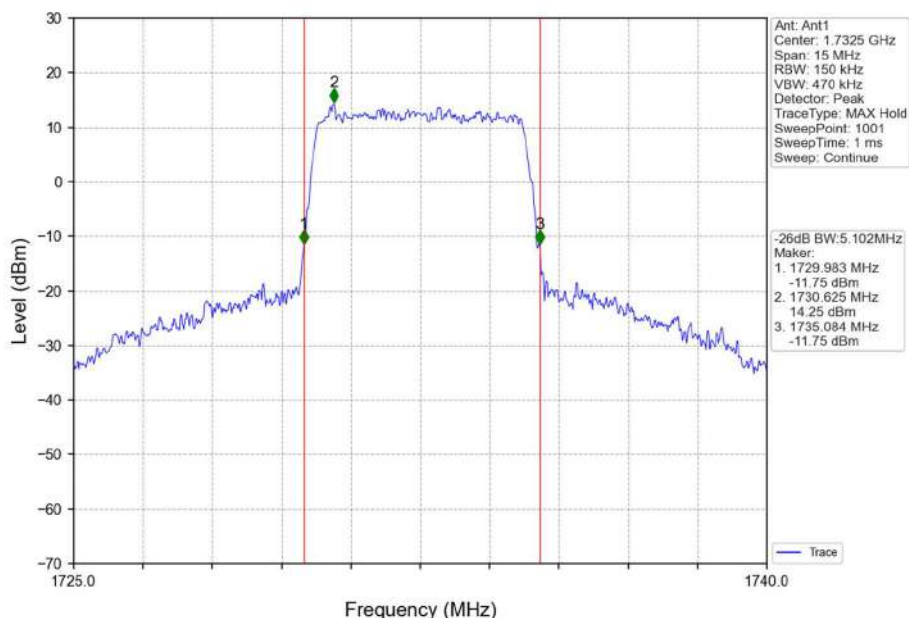
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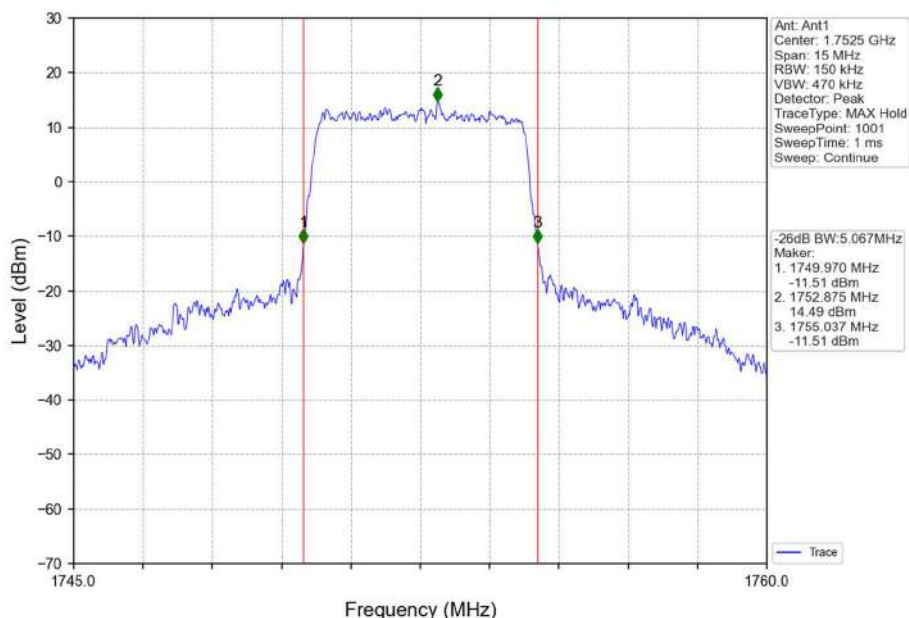
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Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



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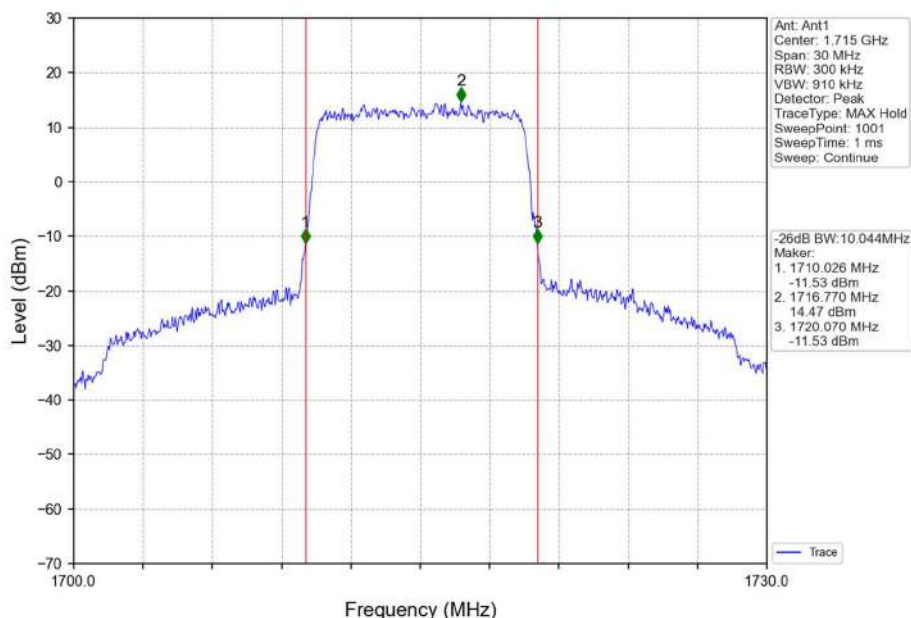
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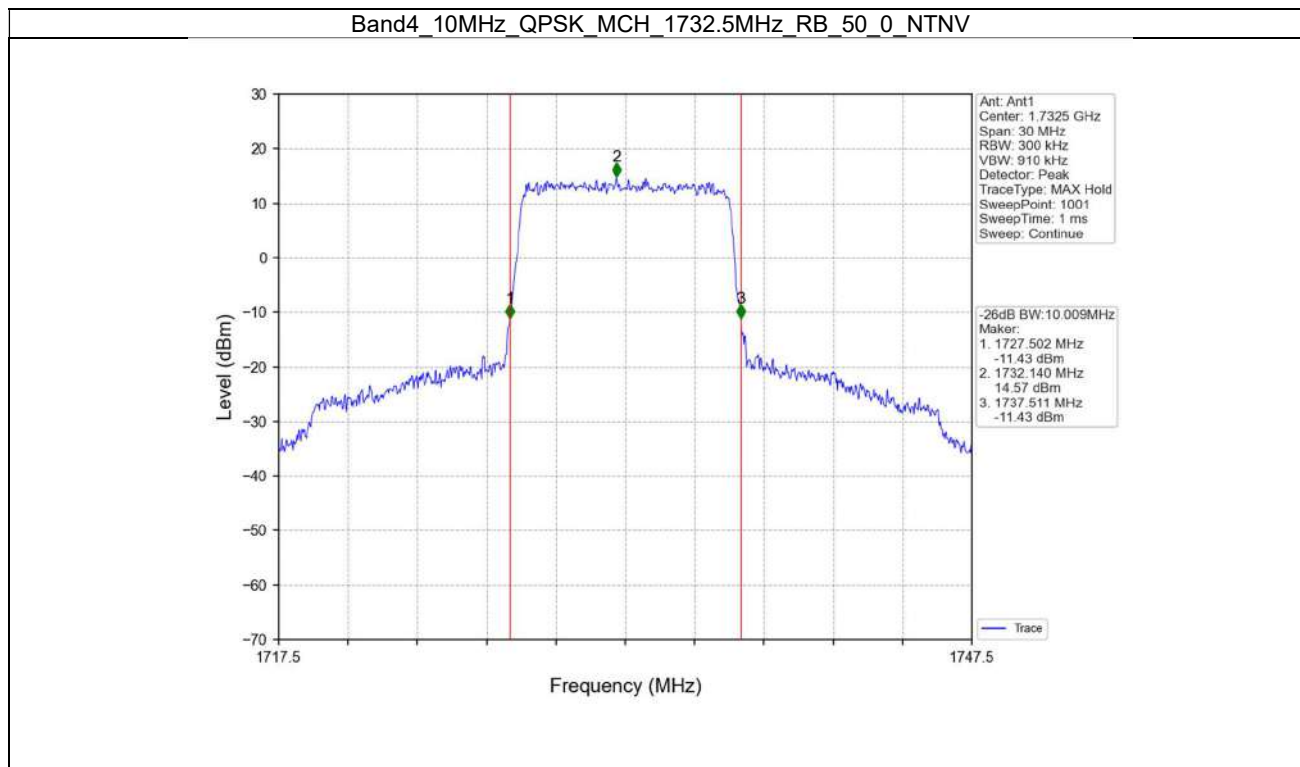


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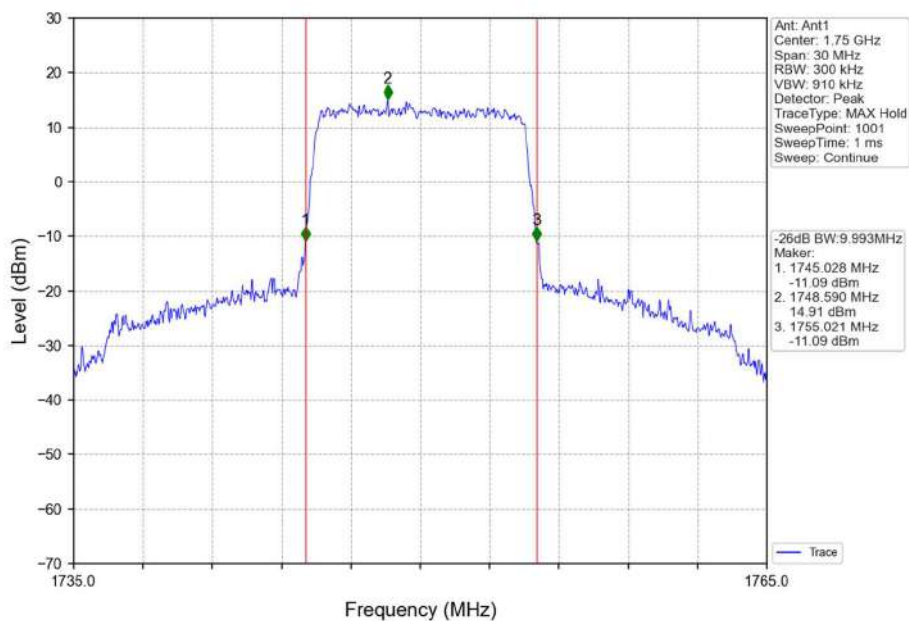
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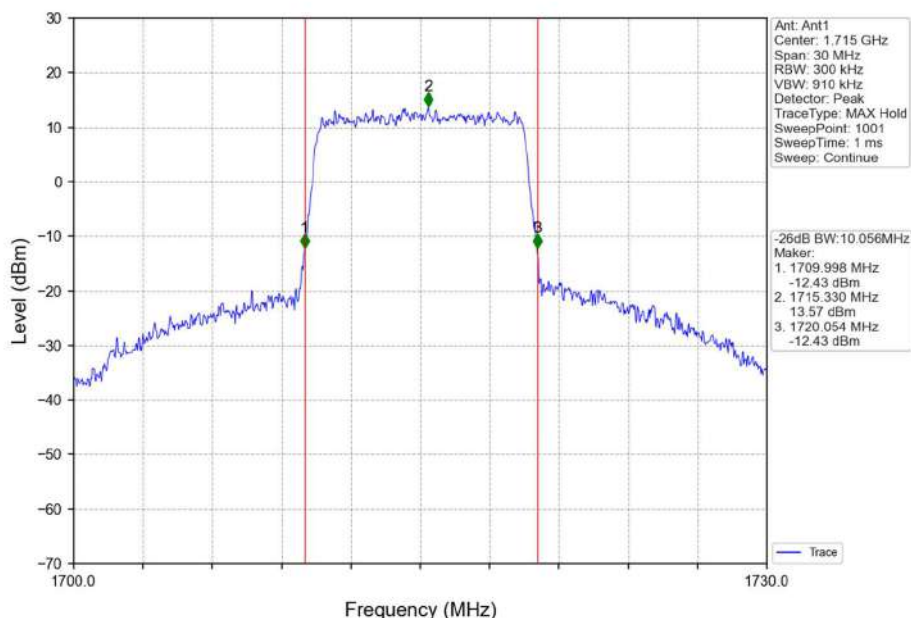
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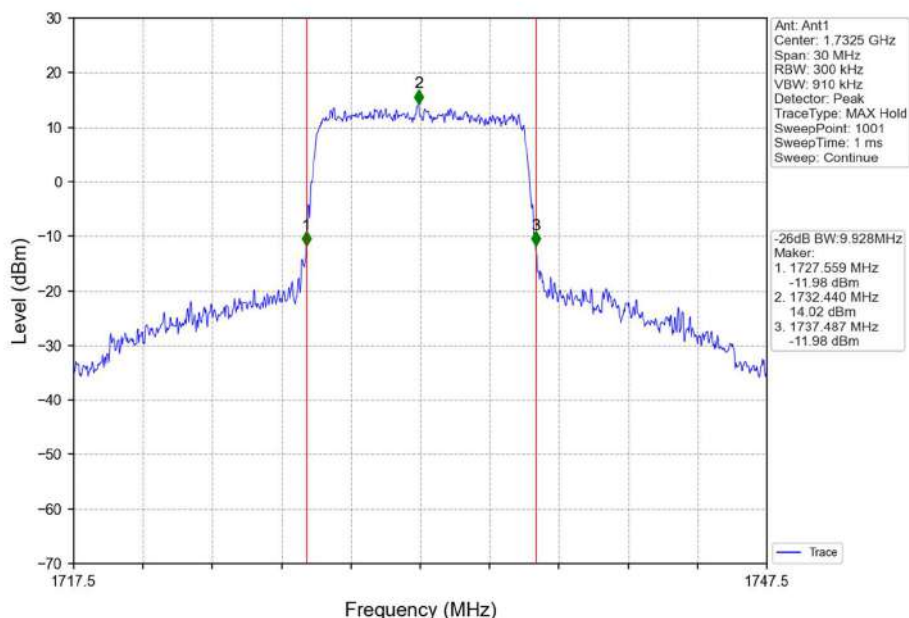
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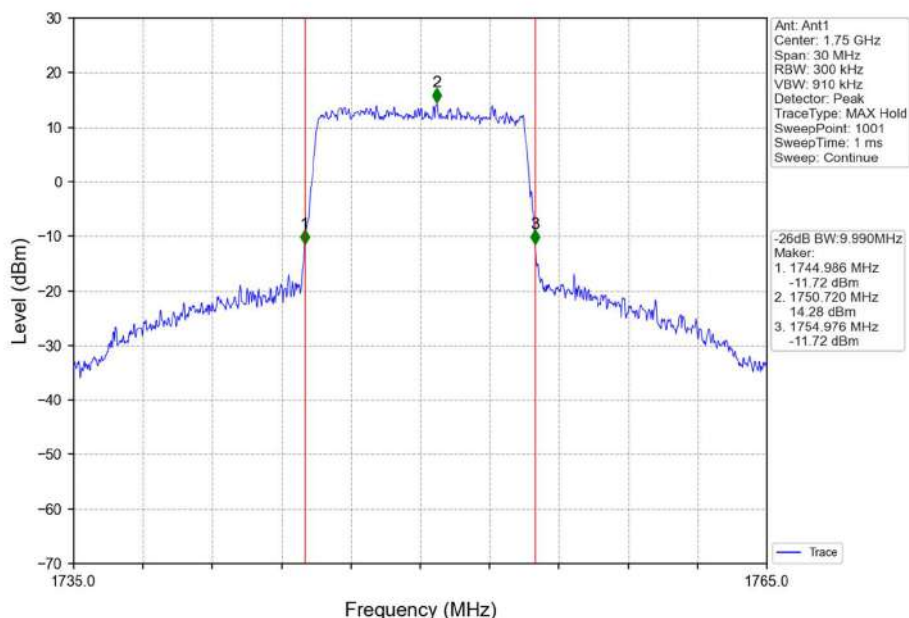
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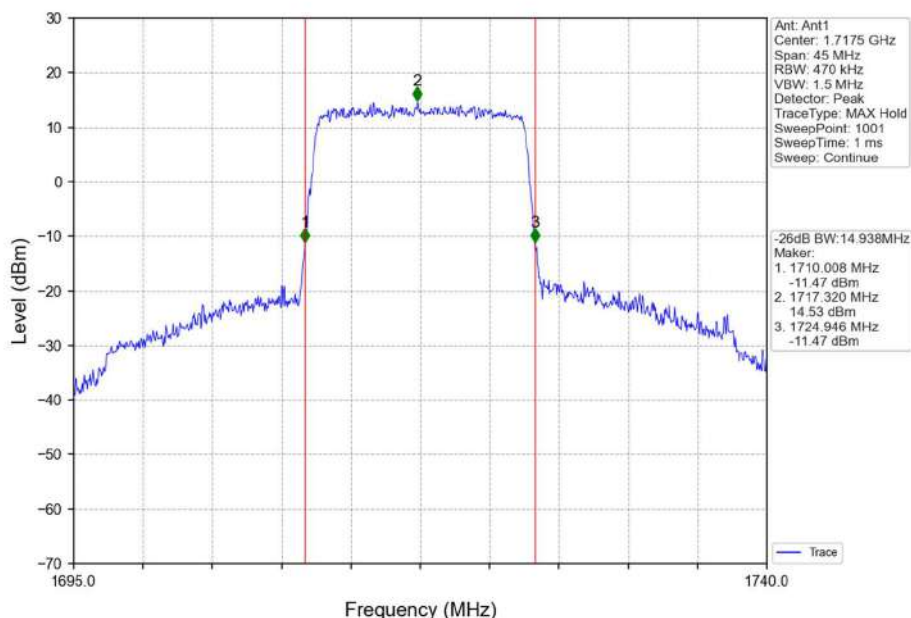
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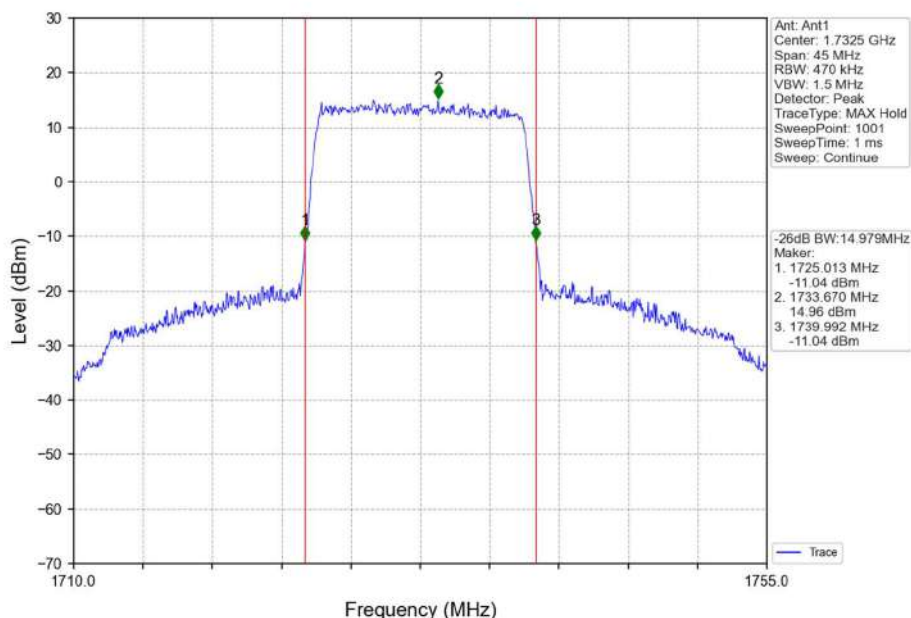
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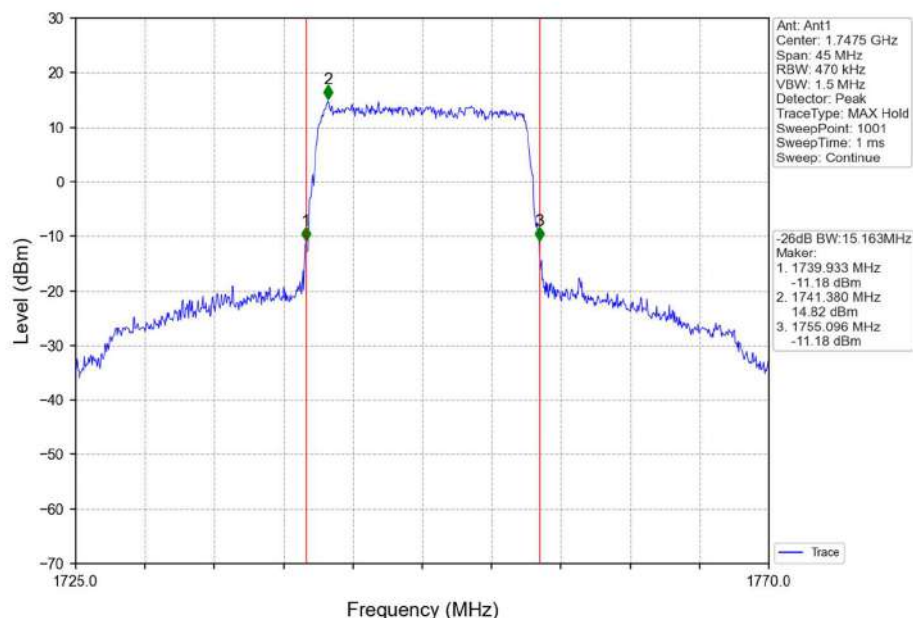
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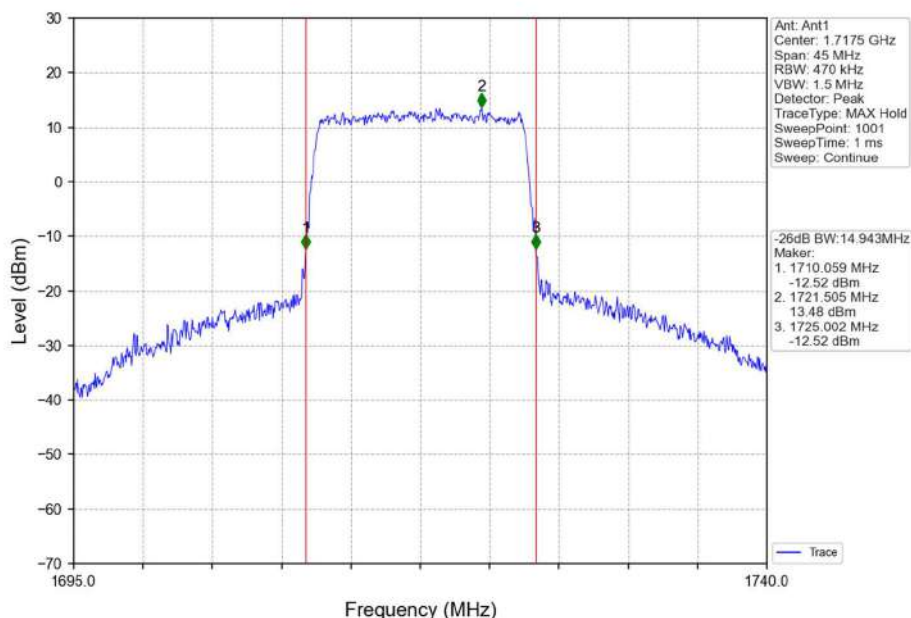
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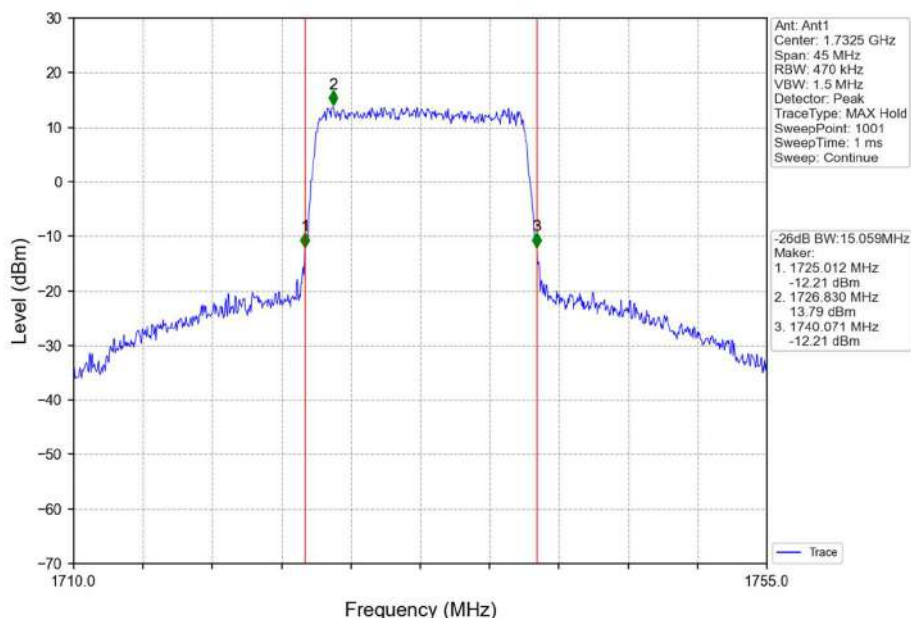
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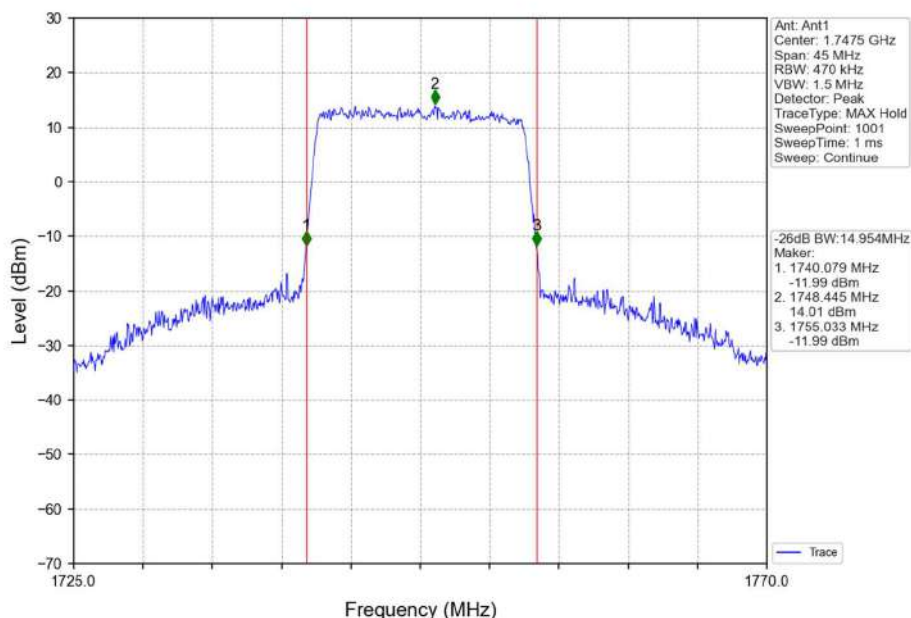
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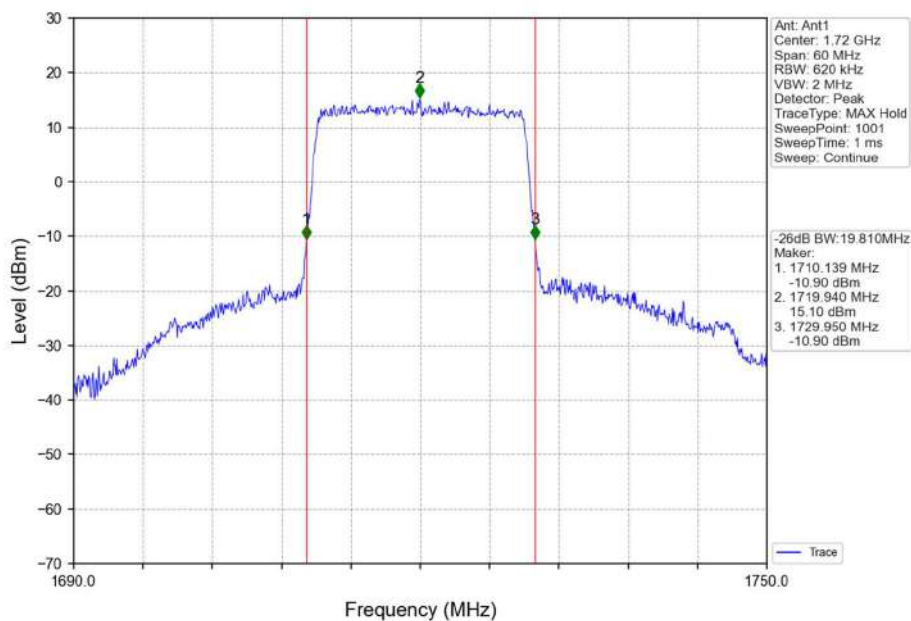
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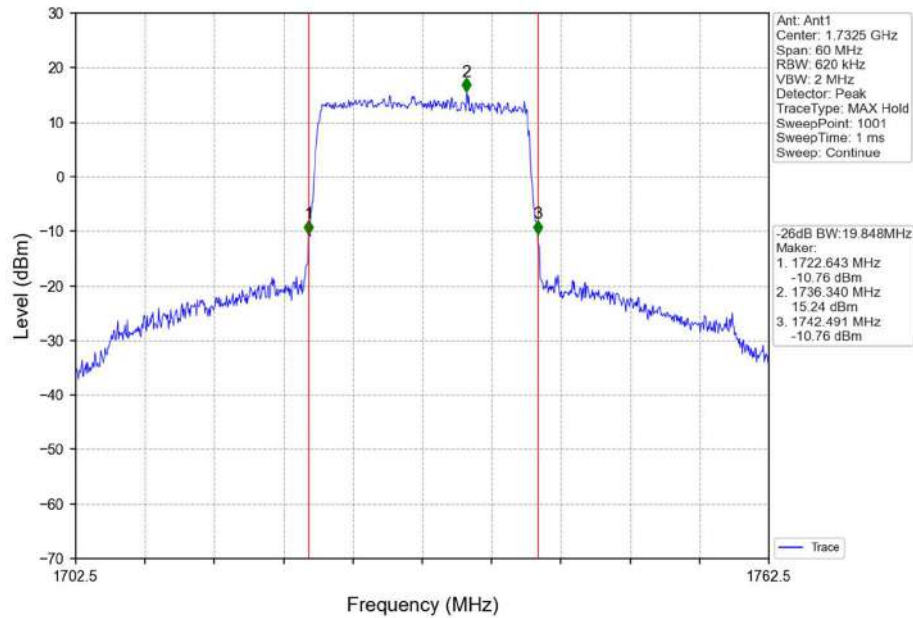
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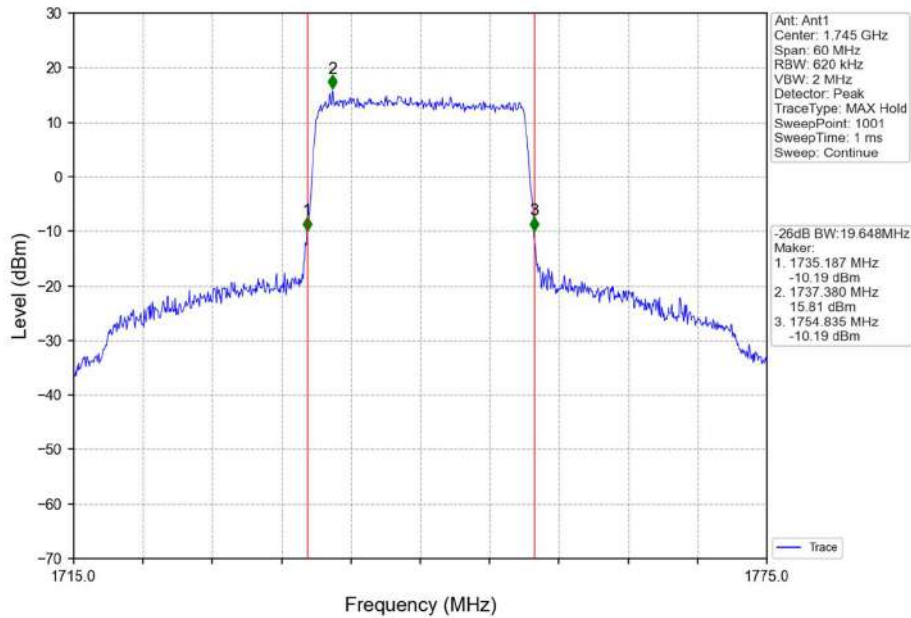
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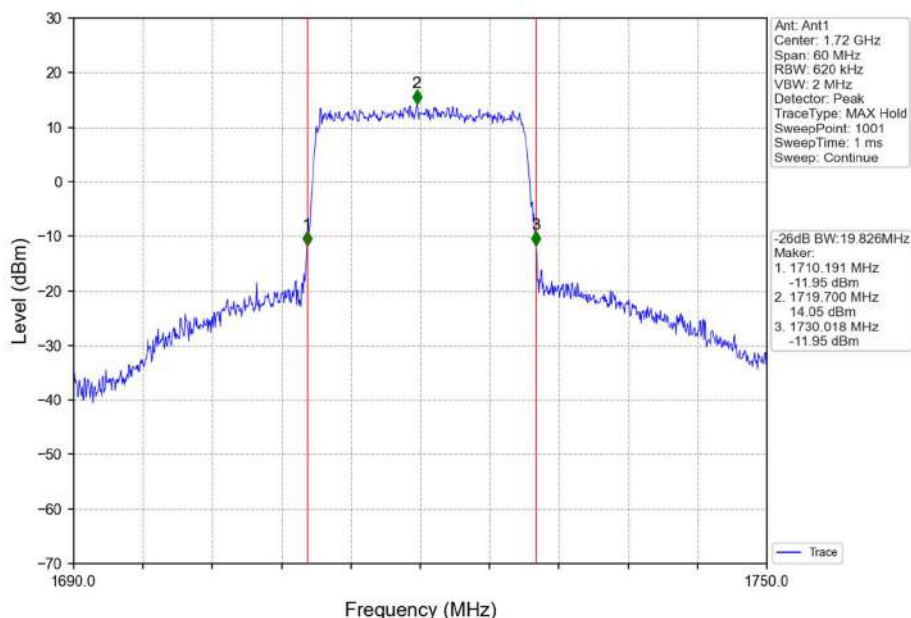
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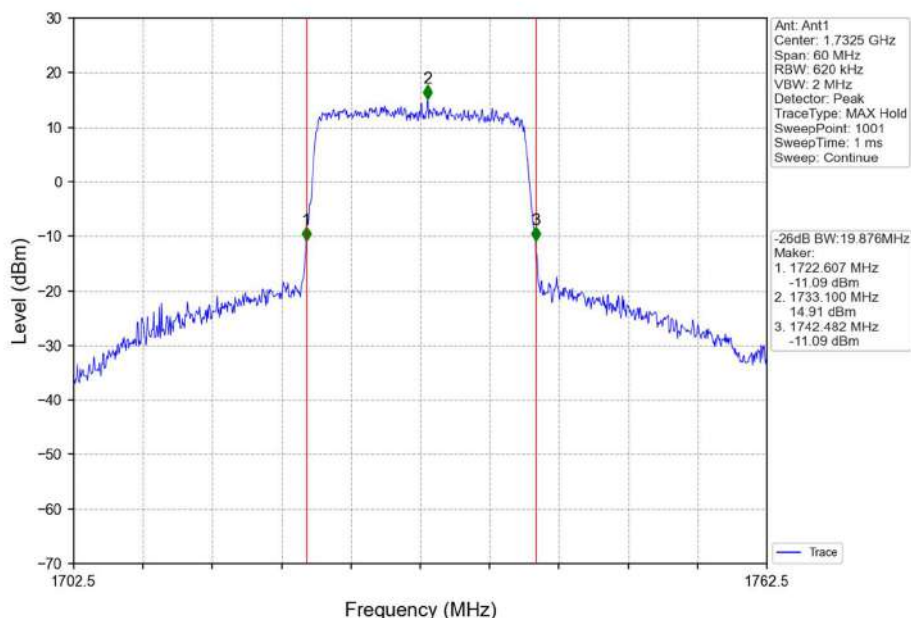
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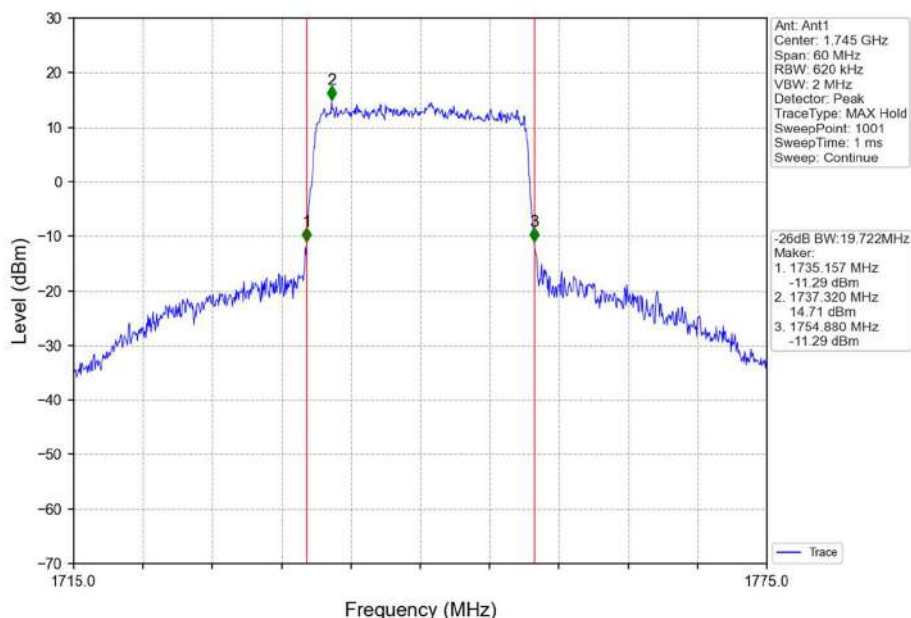
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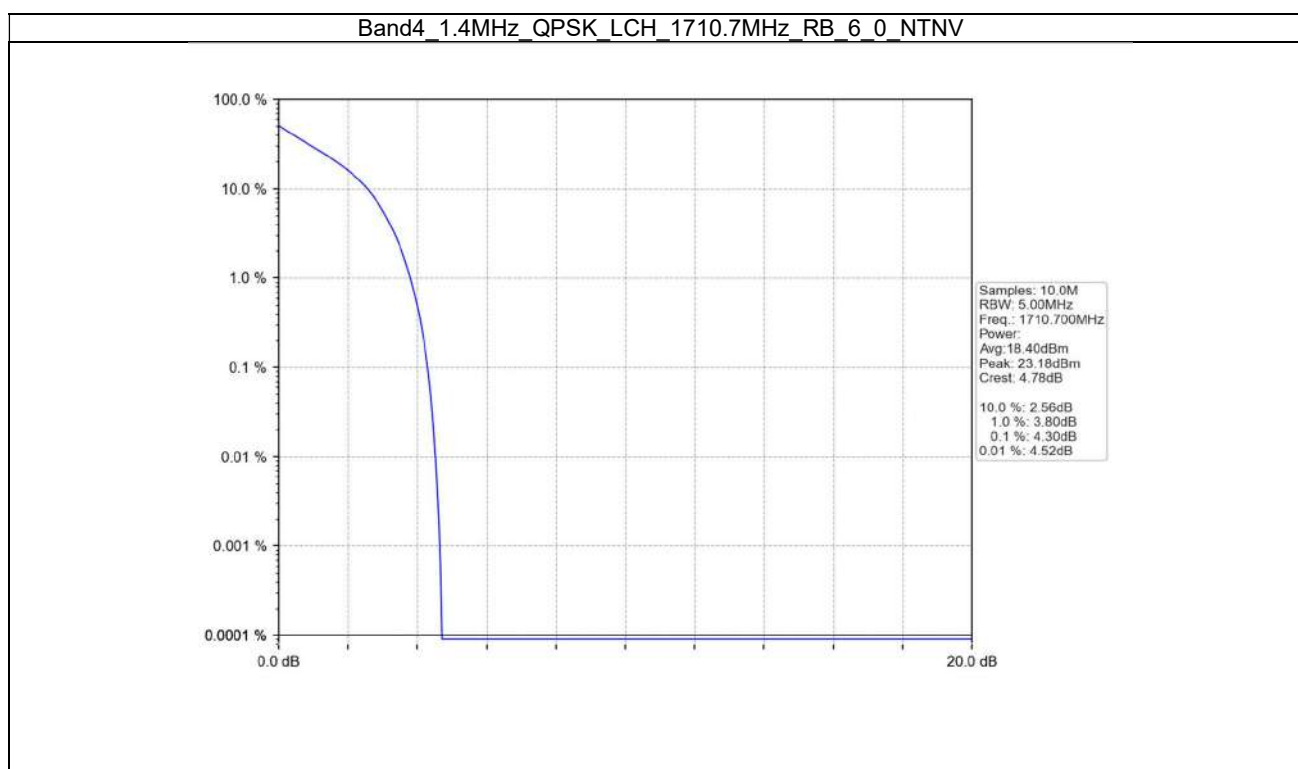
5. Peak-Average Ratio

5.1 B4_1.4MHz

5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.30	<=13	Pass
	1732.5	6	0	4.54	<=13	Pass
	1754.3	6	0	4.58	<=13	Pass
16QAM	1710.7	6	0	5.18	<=13	Pass
	1732.5	6	0	5.41	<=13	Pass
	1754.3	6	0	5.32	<=13	Pass

5.1.2 Test Graph



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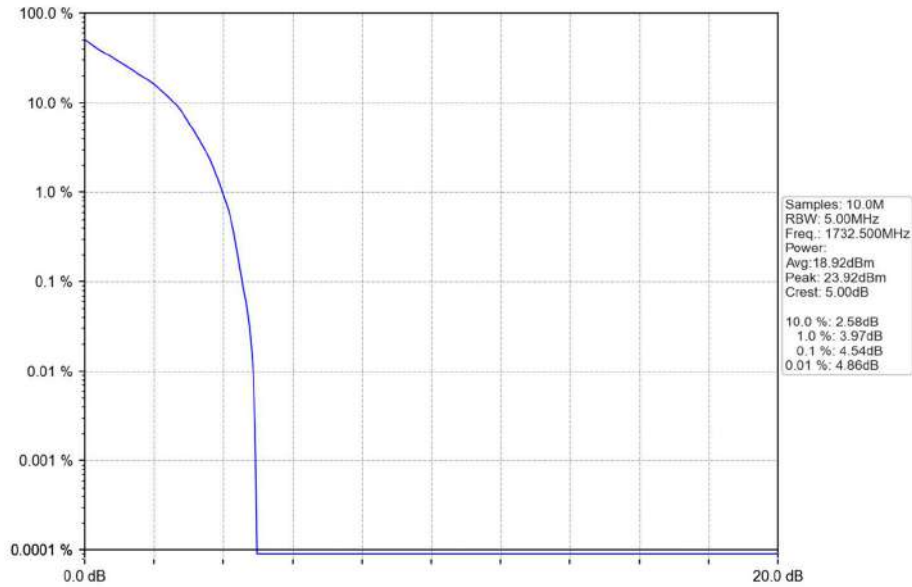
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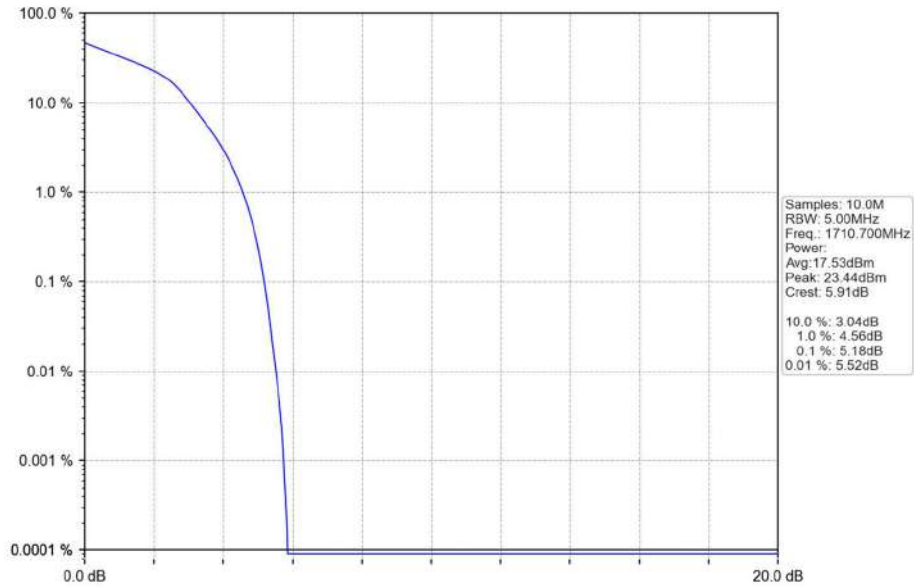
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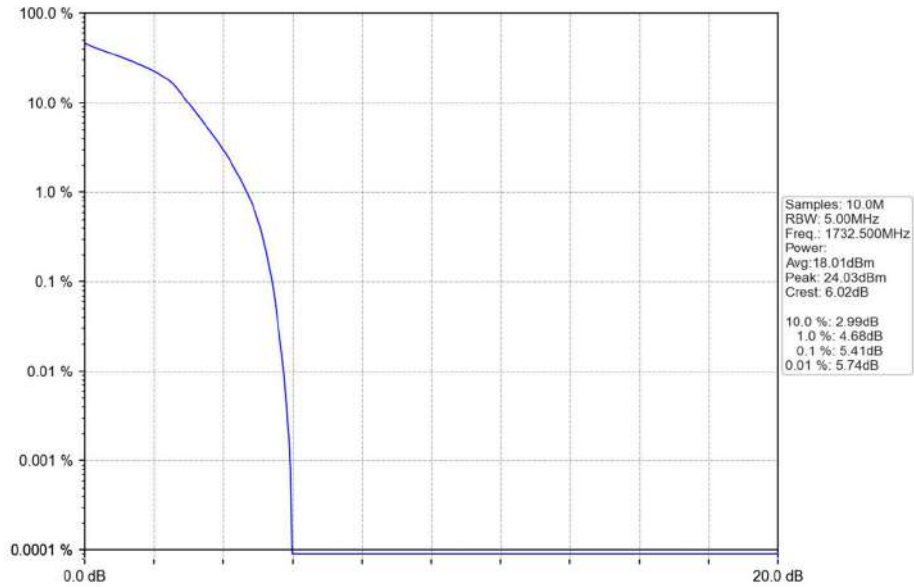
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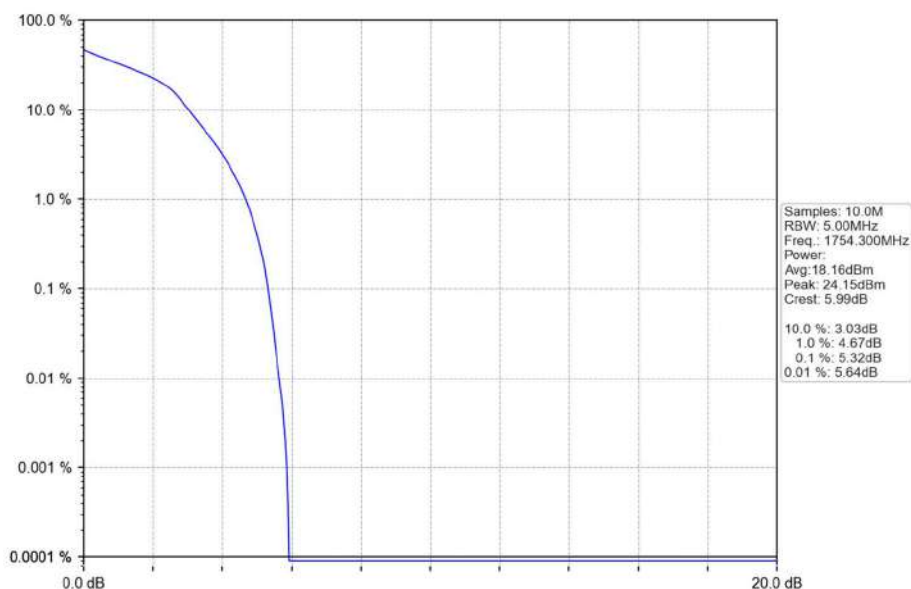
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5.2 B4_3MHz

5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.62	<=13	Pass
	1732.5	15	0	4.80	<=13	Pass
	1753.5	15	0	4.78	<=13	Pass
16QAM	1711.5	15	0	5.44	<=13	Pass
	1732.5	15	0	5.65	<=13	Pass
	1753.5	15	0	5.58	<=13	Pass



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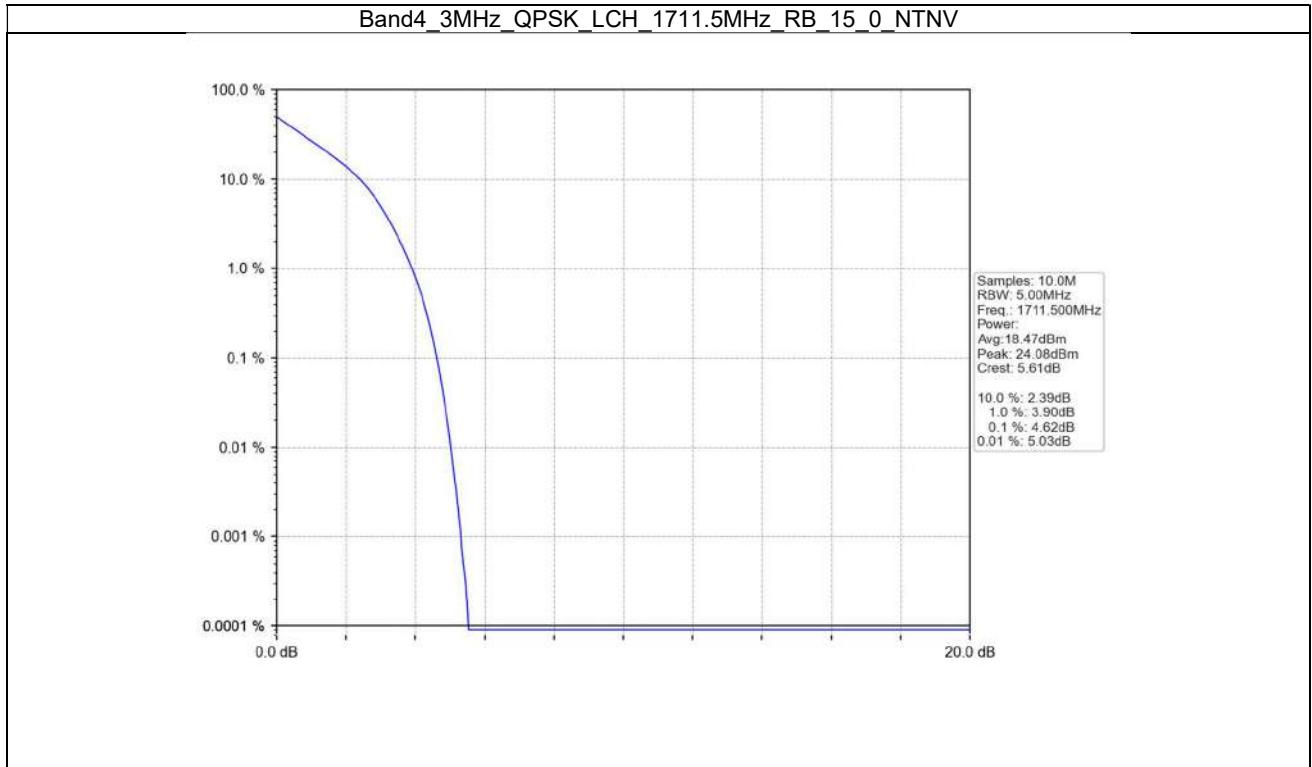
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5.2.2 Test Graph



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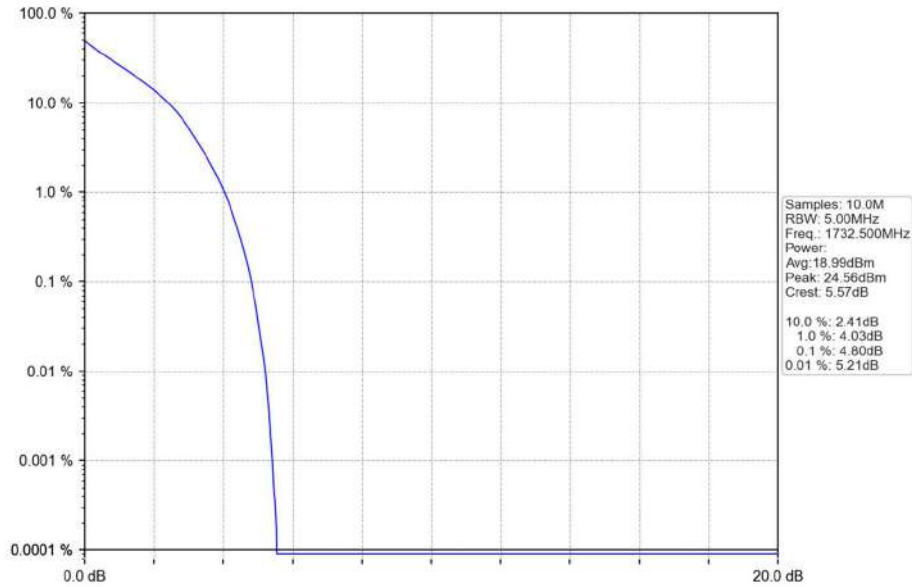
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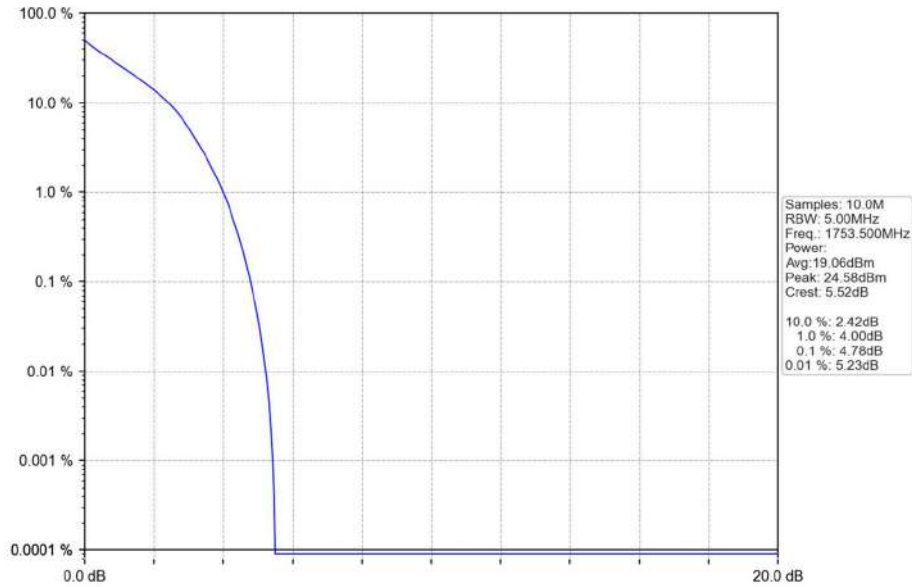
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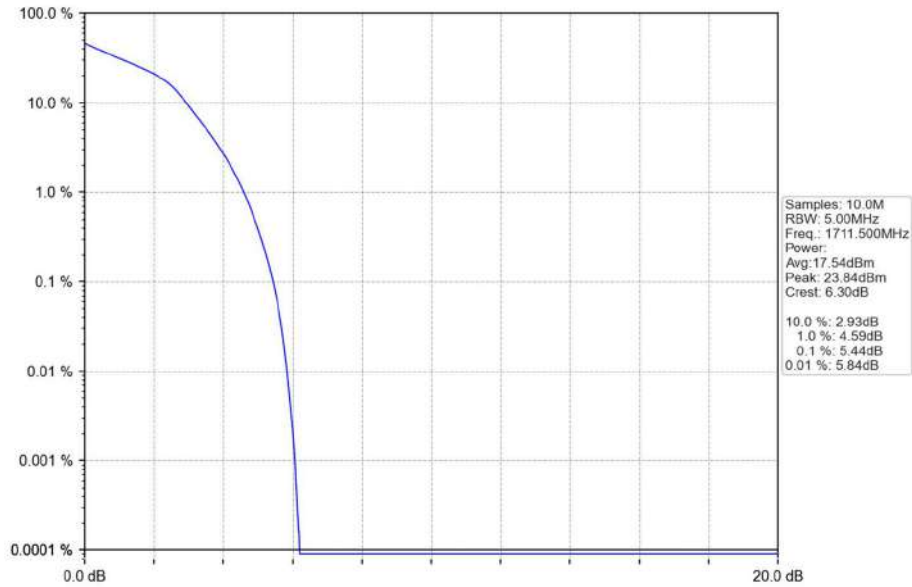
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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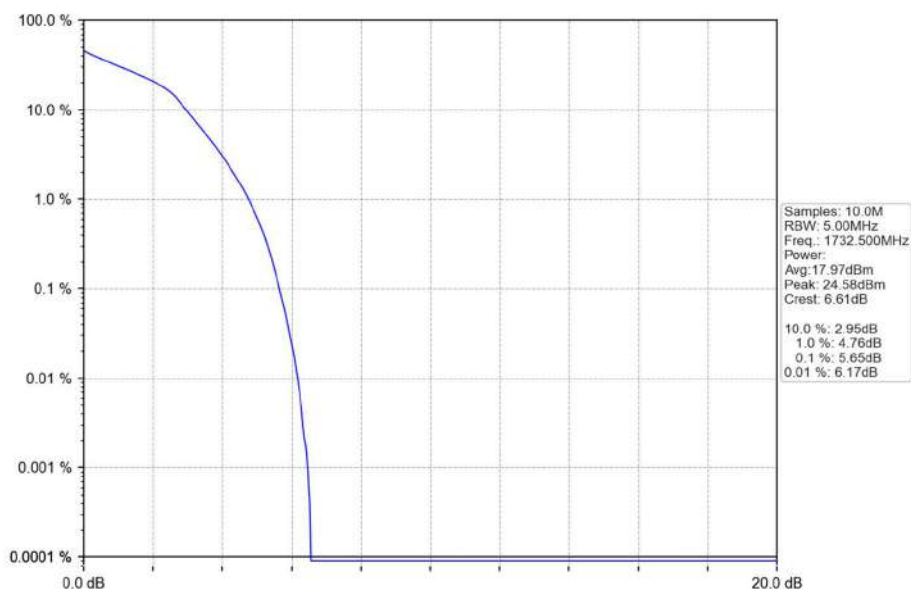
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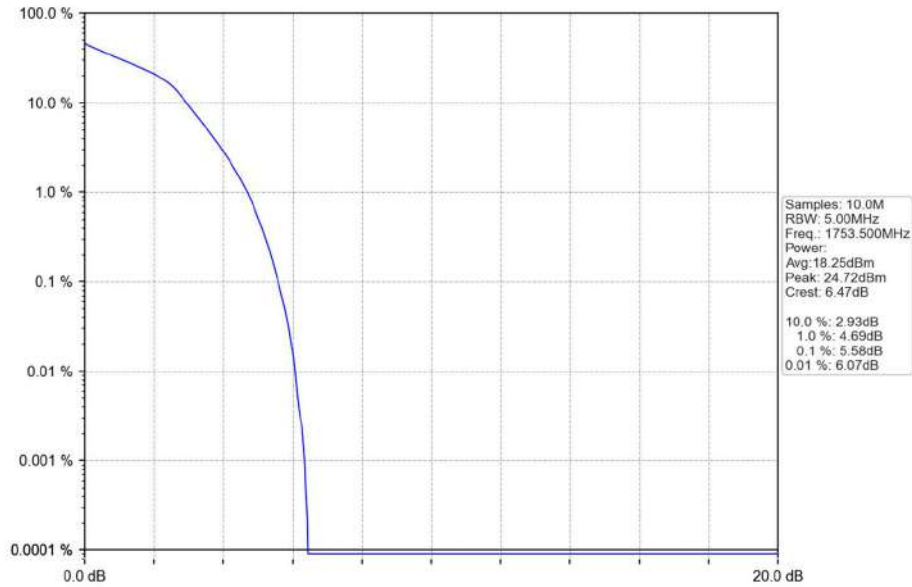
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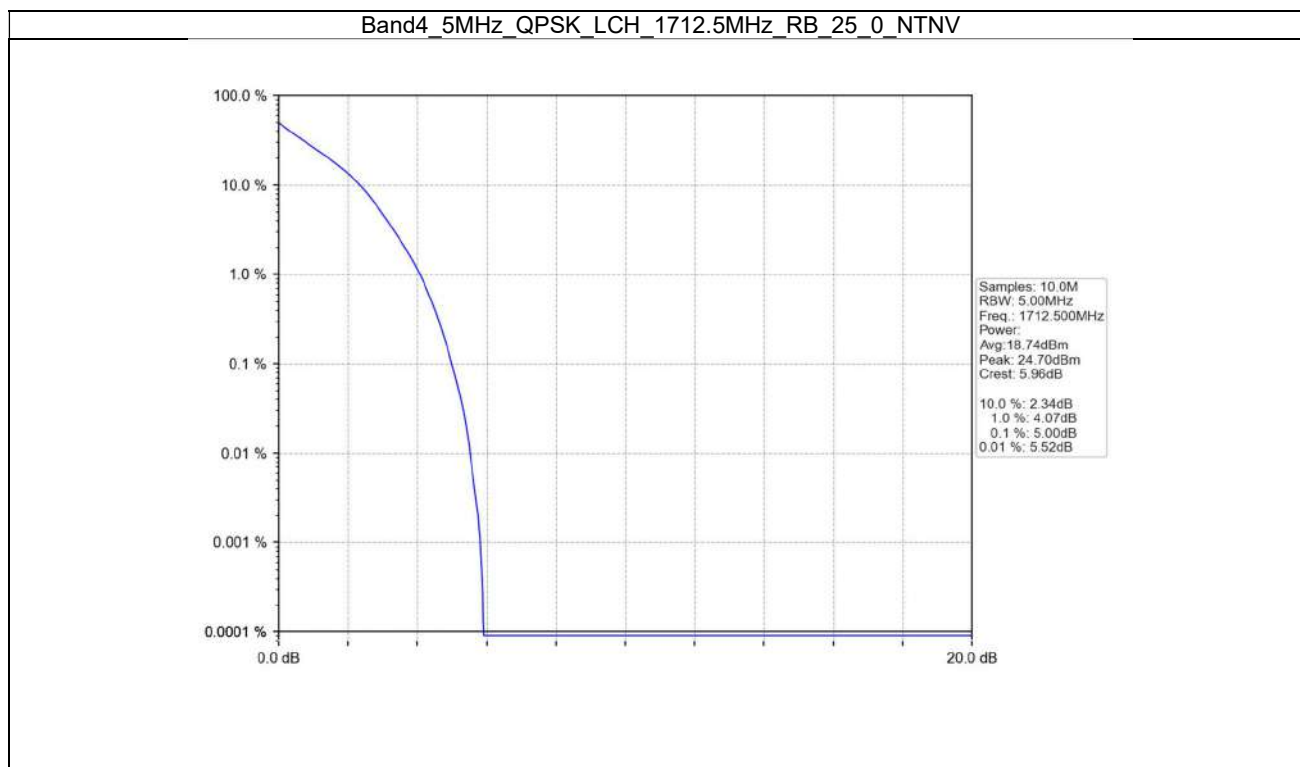
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5.3 B4_5MHz

5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.00	<=13	Pass
	1732.5	25	0	5.11	<=13	Pass
	1752.5	25	0	5.11	<=13	Pass
16QAM	1712.5	25	0	5.73	<=13	Pass
	1732.5	25	0	5.85	<=13	Pass
	1752.5	25	0	5.82	<=13	Pass

5.3.2 Test Graph

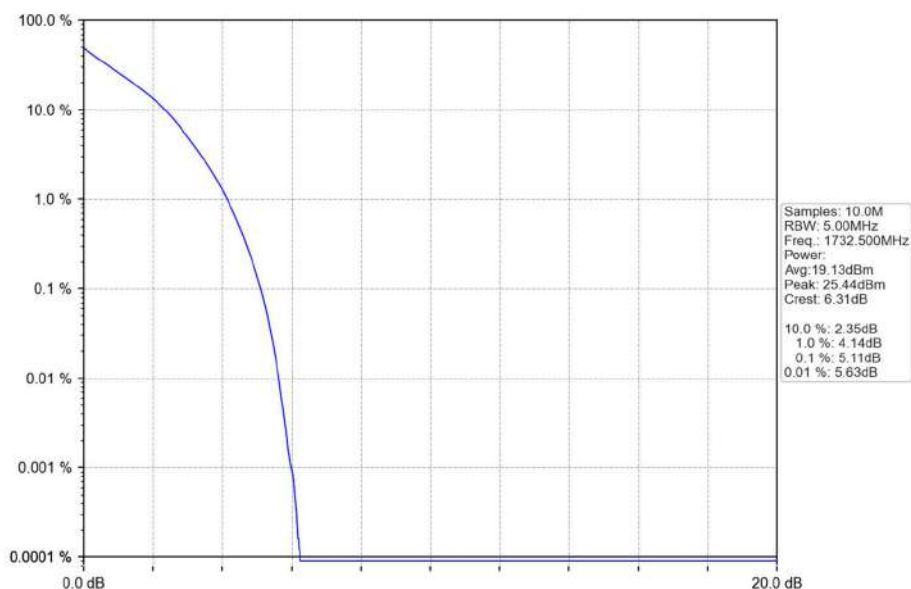


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Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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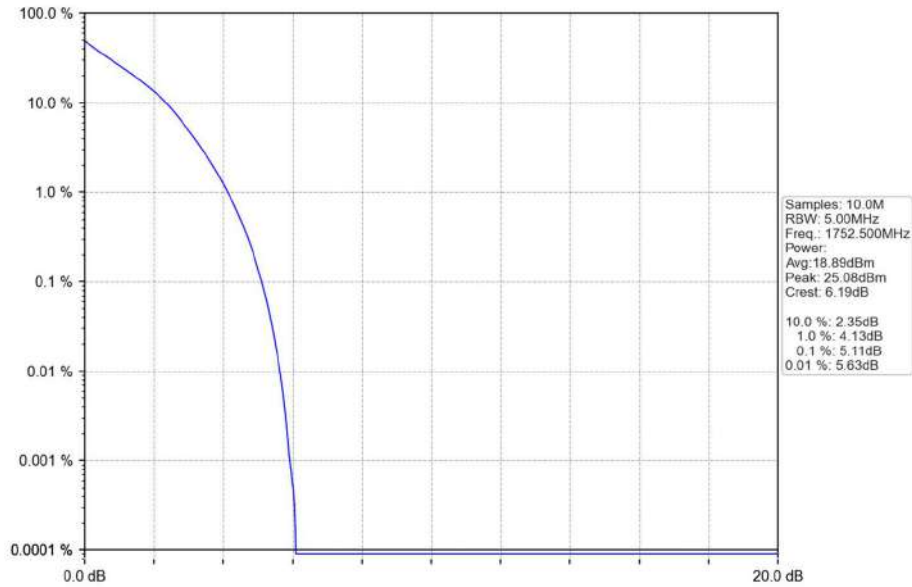
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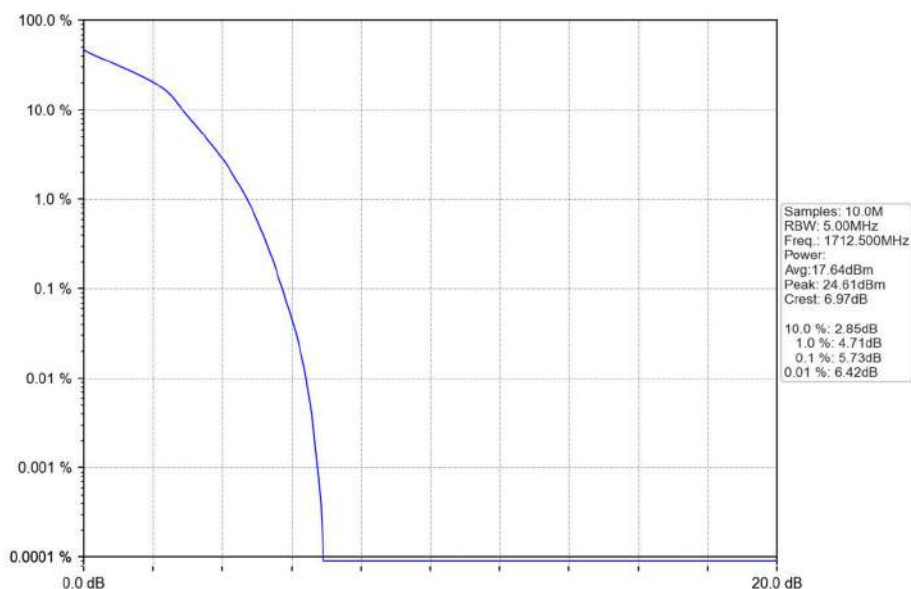
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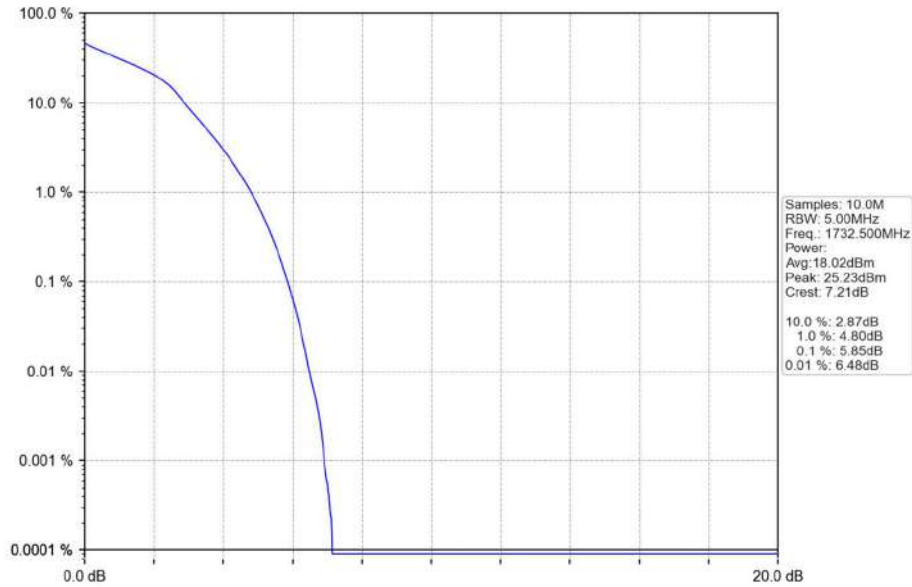
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5.4 B4_10MHz

5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	6.13	<=13	Pass
	1732.5	50	0	6.10	<=13	Pass
	1750	50	0	6.13	<=13	Pass
16QAM	1715	50	0	6.76	<=13	Pass
	1732.5	50	0	6.72	<=13	Pass
	1750	50	0	6.81	<=13	Pass



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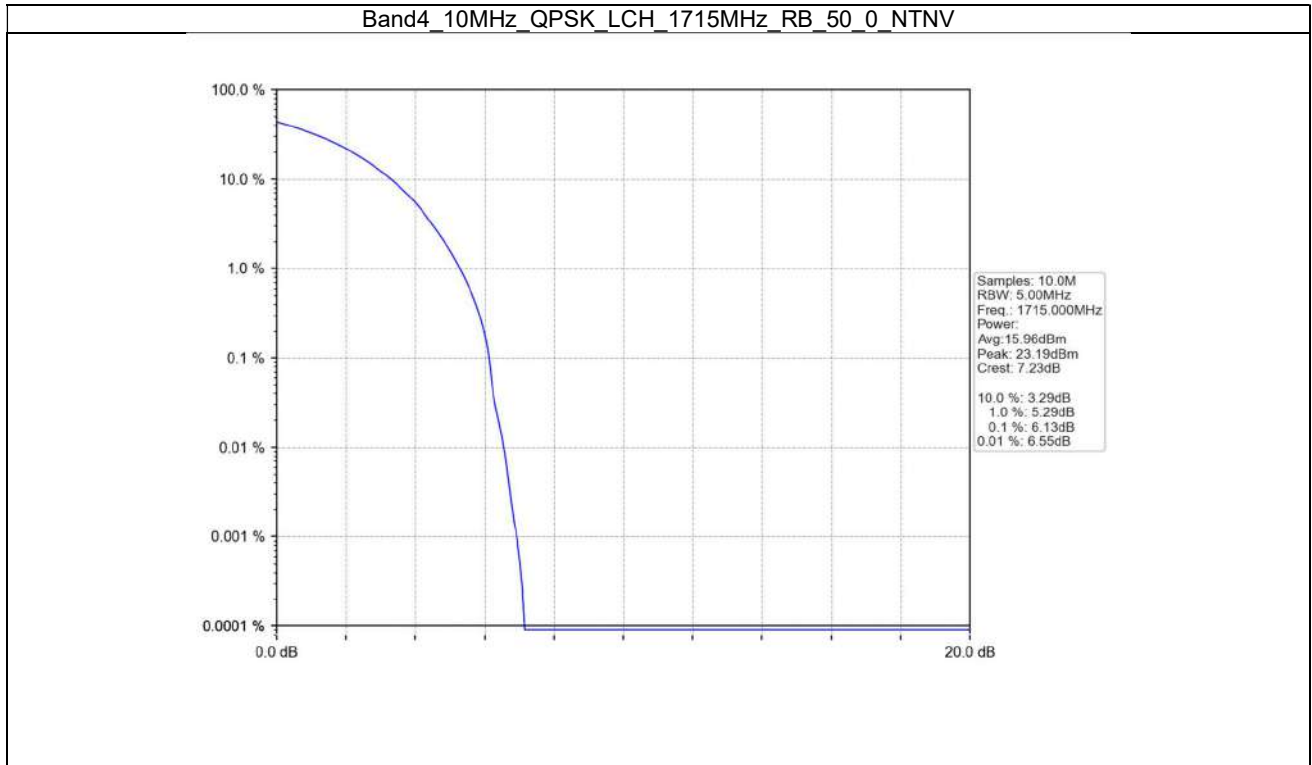
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5.4.2 Test Graph



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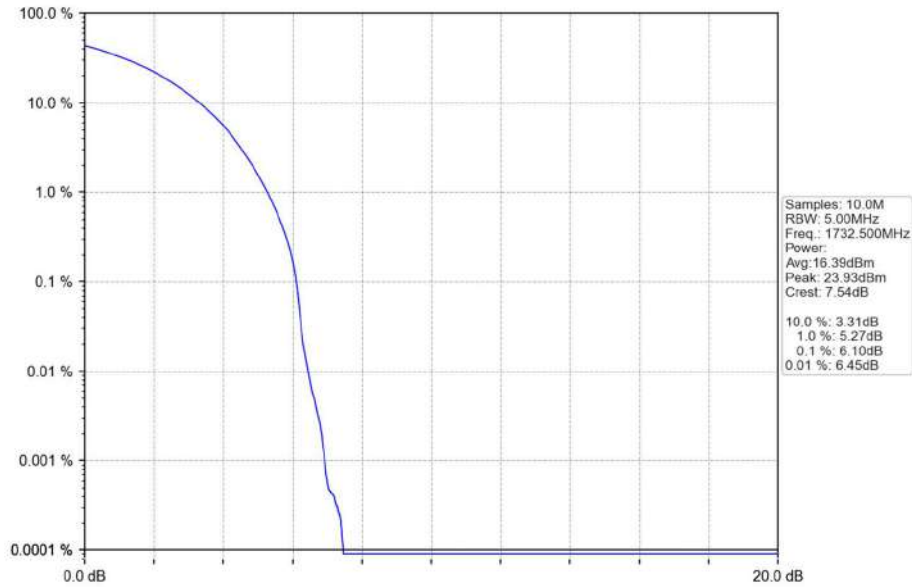
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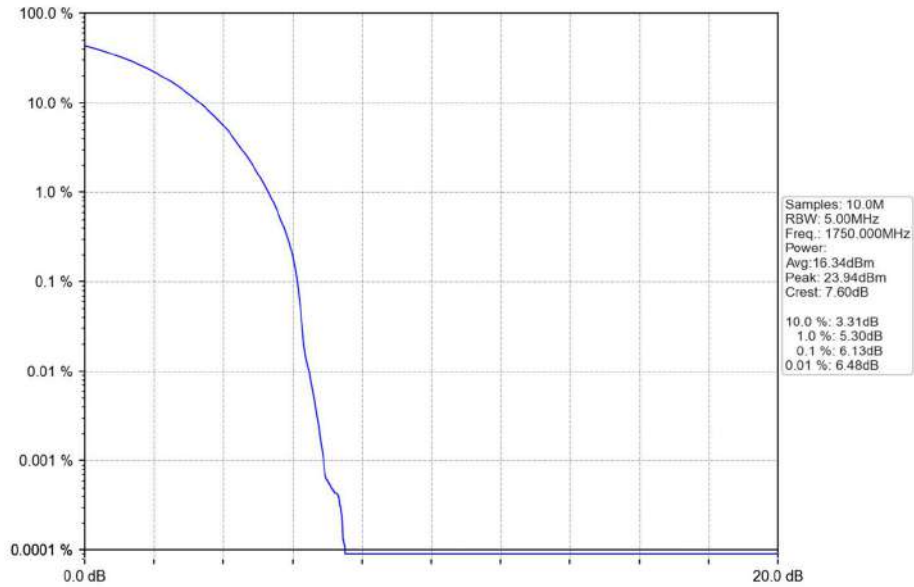
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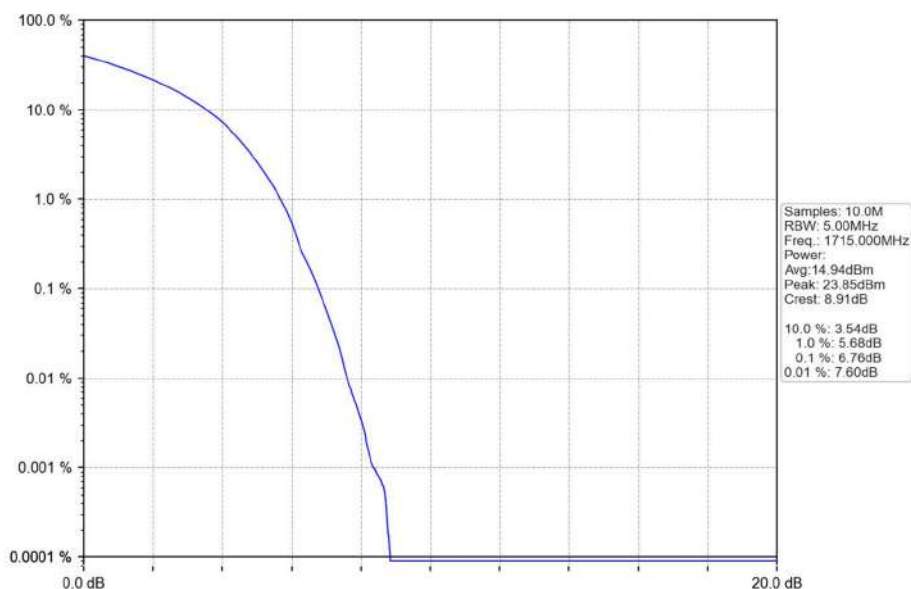
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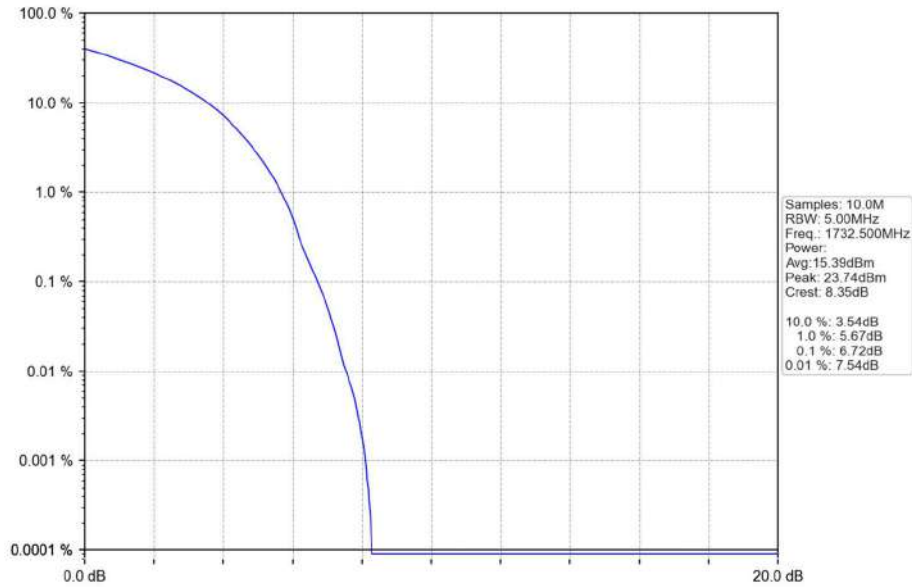
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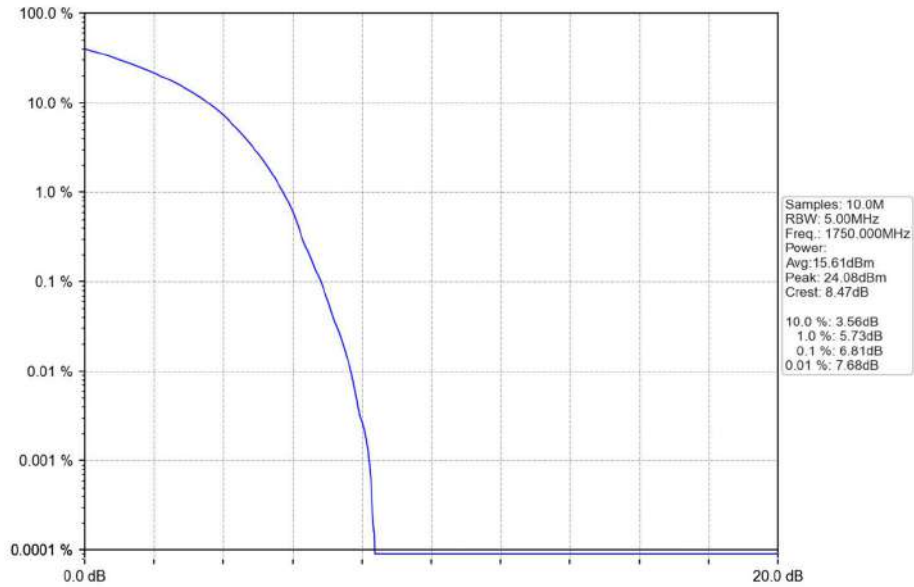
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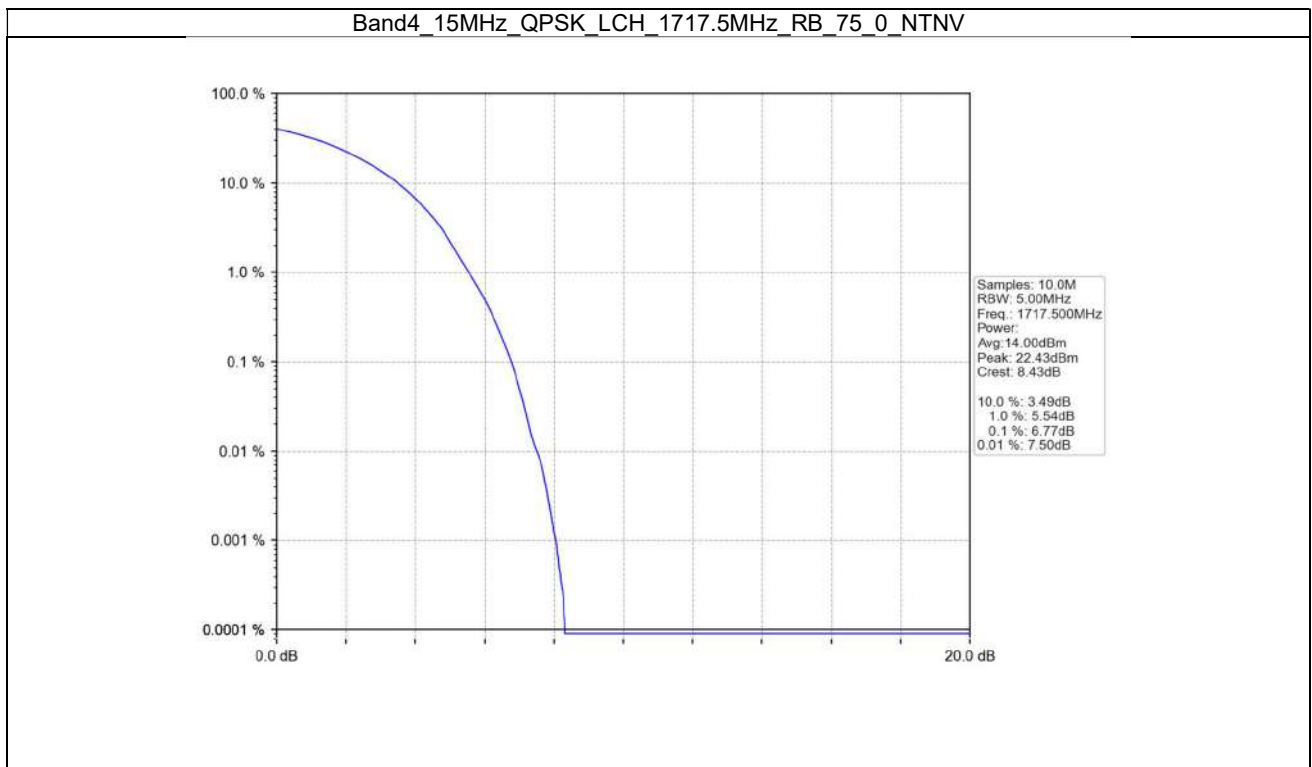


5.5 B4_15MHz

5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	6.77	≤ 13	Pass
	1732.5	75	0	6.72	≤ 13	Pass
	1747.5	75	0	6.80	≤ 13	Pass
16QAM	1717.5	75	0	7.32	≤ 13	Pass
	1732.5	75	0	7.33	≤ 13	Pass
	1747.5	75	0	7.30	≤ 13	Pass

5.5.2 Test Graph



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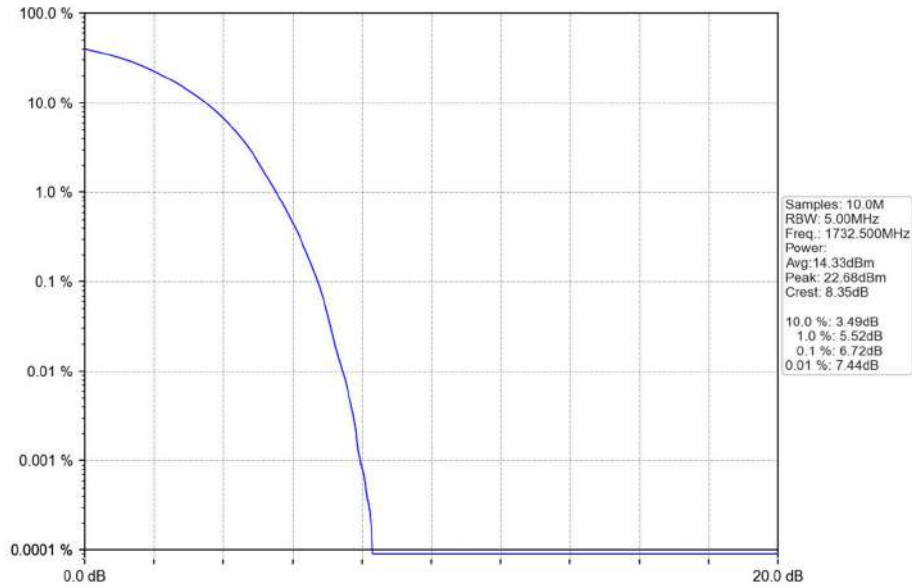
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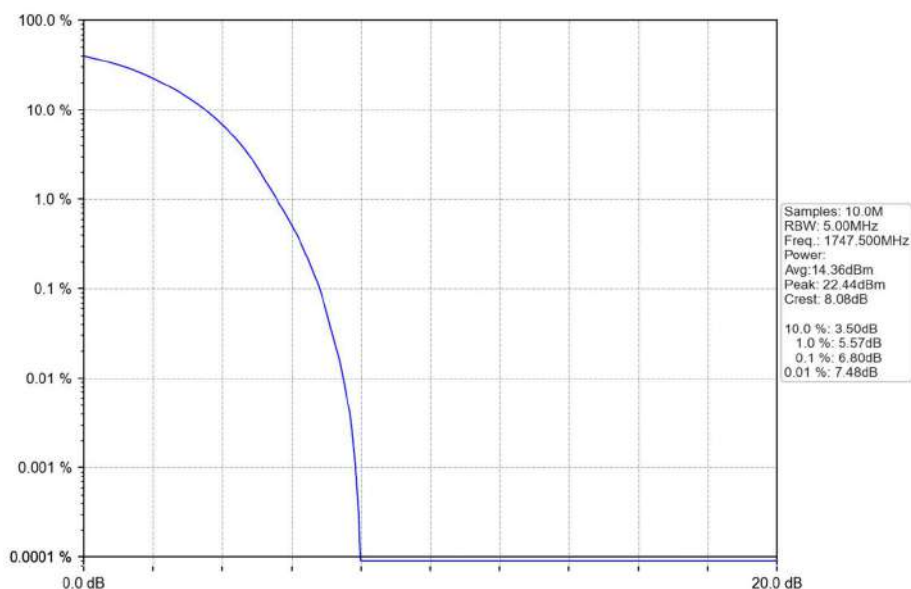
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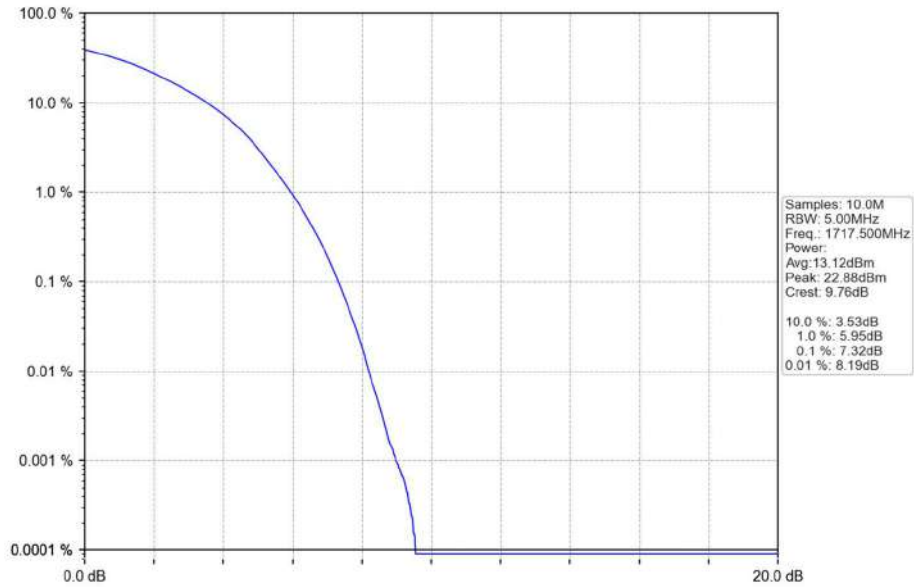
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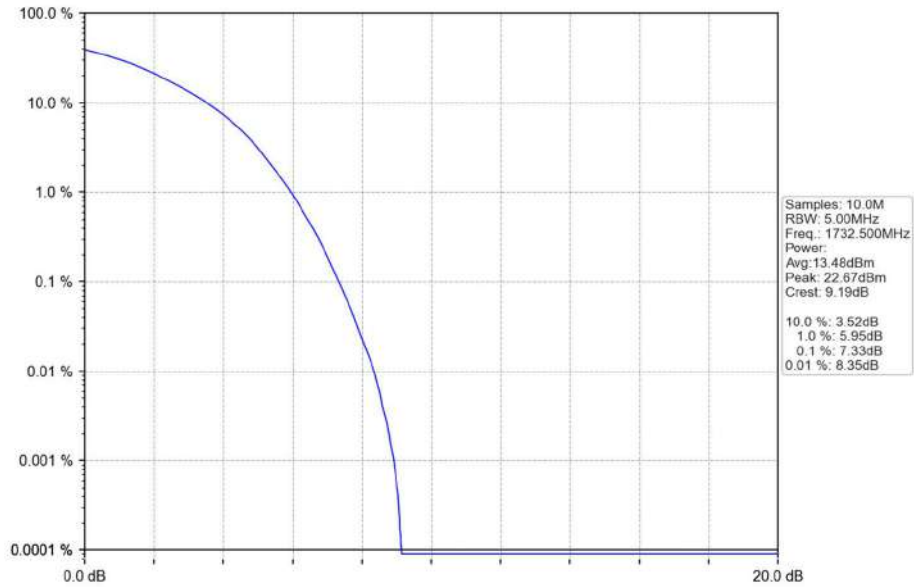
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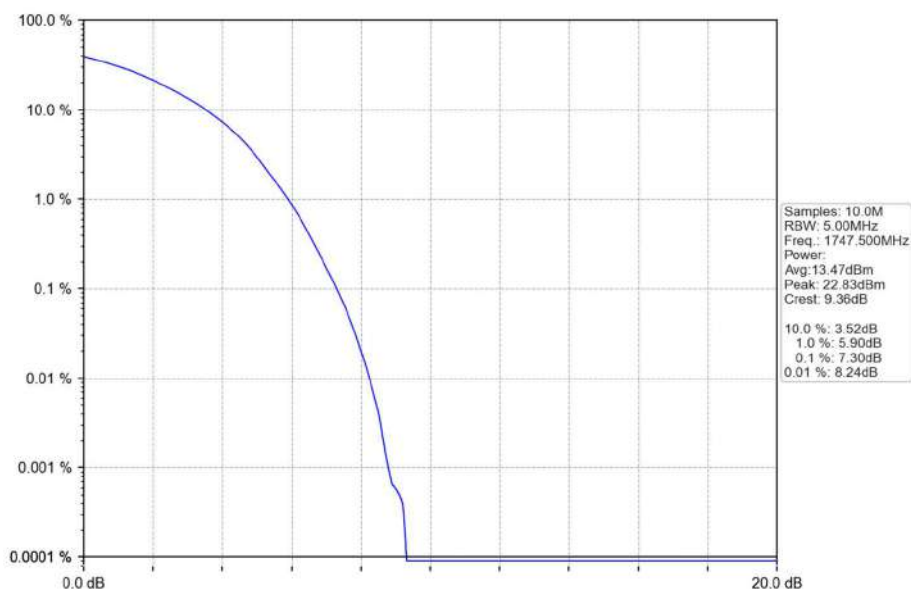
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5.6 B4_20MHz

5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	7.07	<=13	Pass
	1732.5	100	0	7.19	<=13	Pass
	1745	100	0	7.18	<=13	Pass
16QAM	1720	100	0	7.47	<=13	Pass
	1732.5	100	0	7.55	<=13	Pass
	1745	100	0	7.58	<=13	Pass



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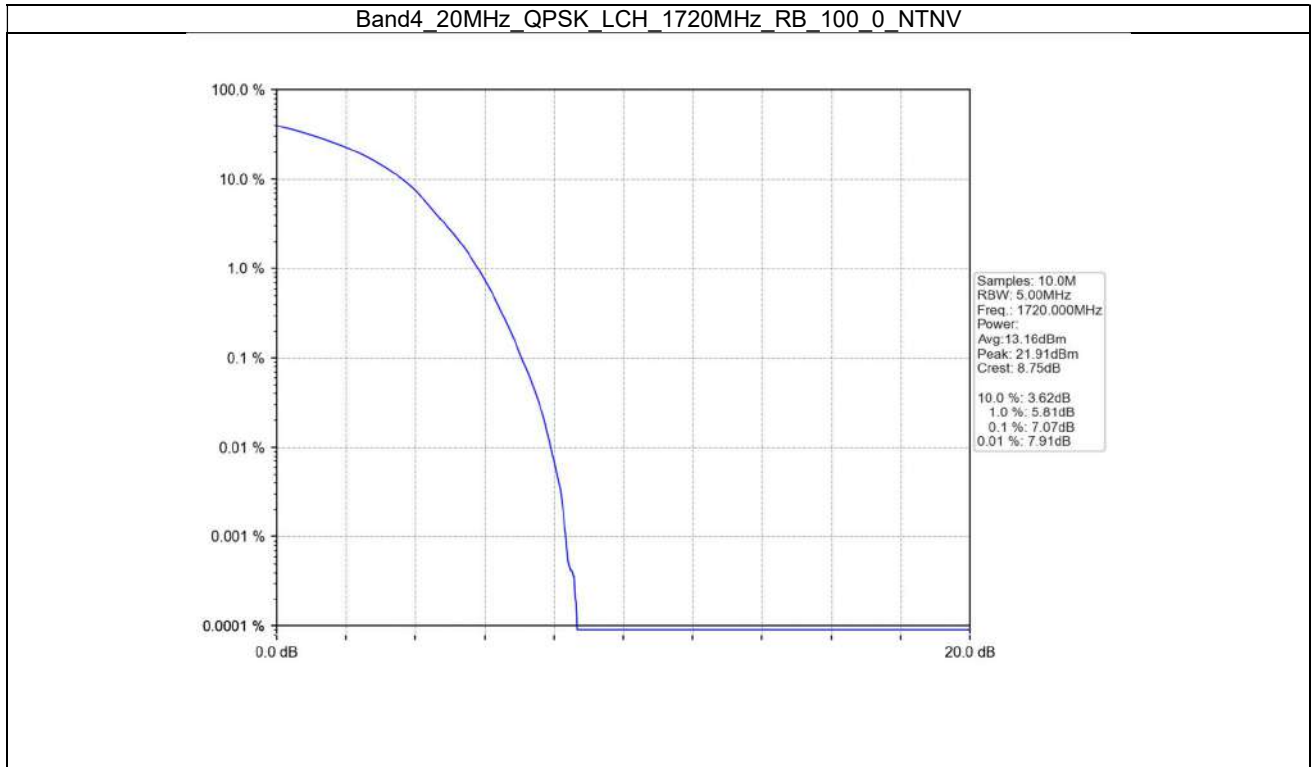
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5.6.2 Test Graph



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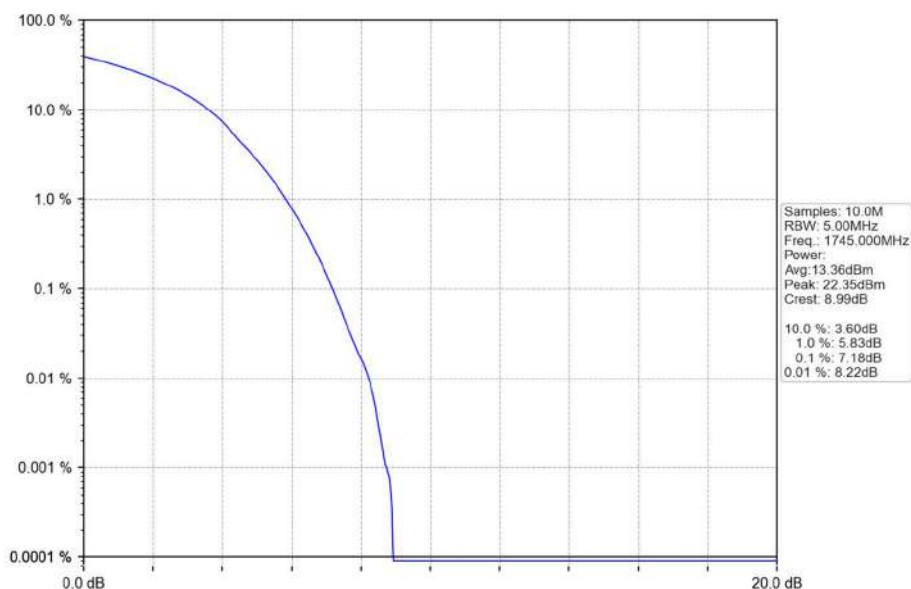
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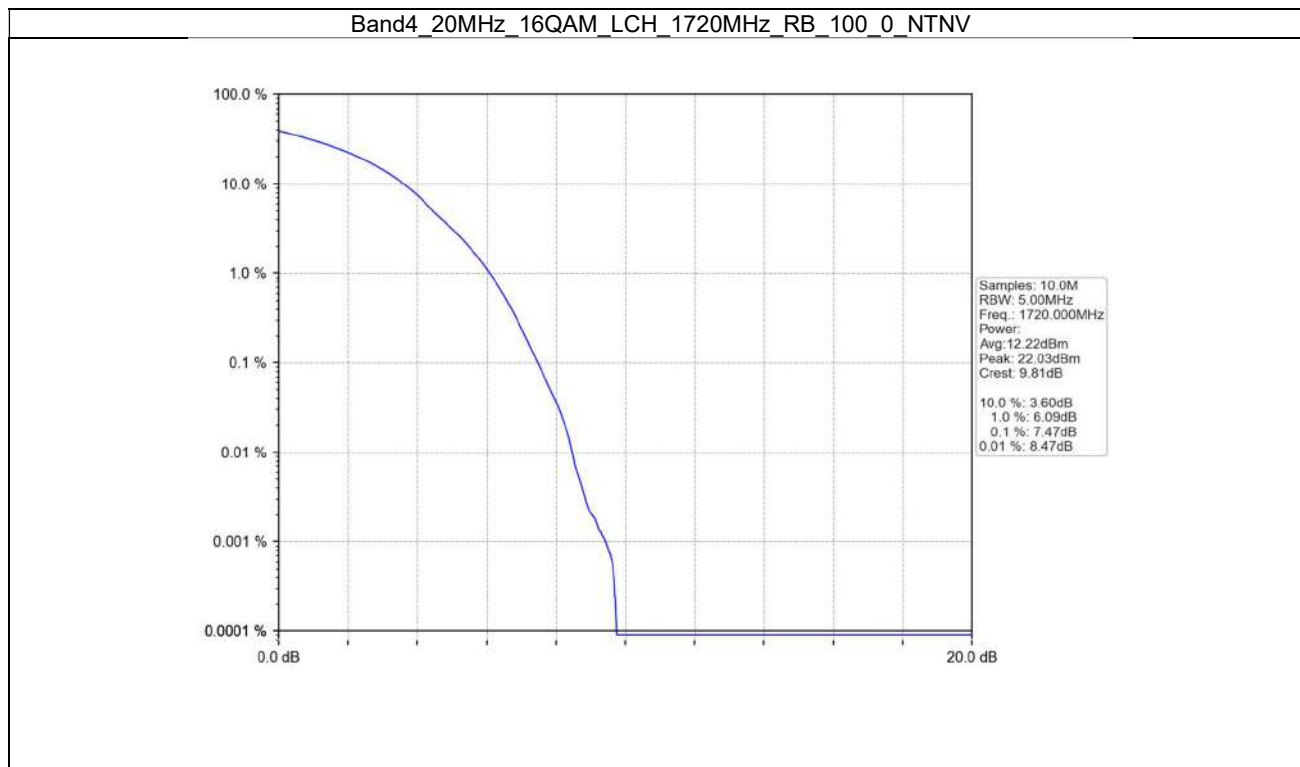


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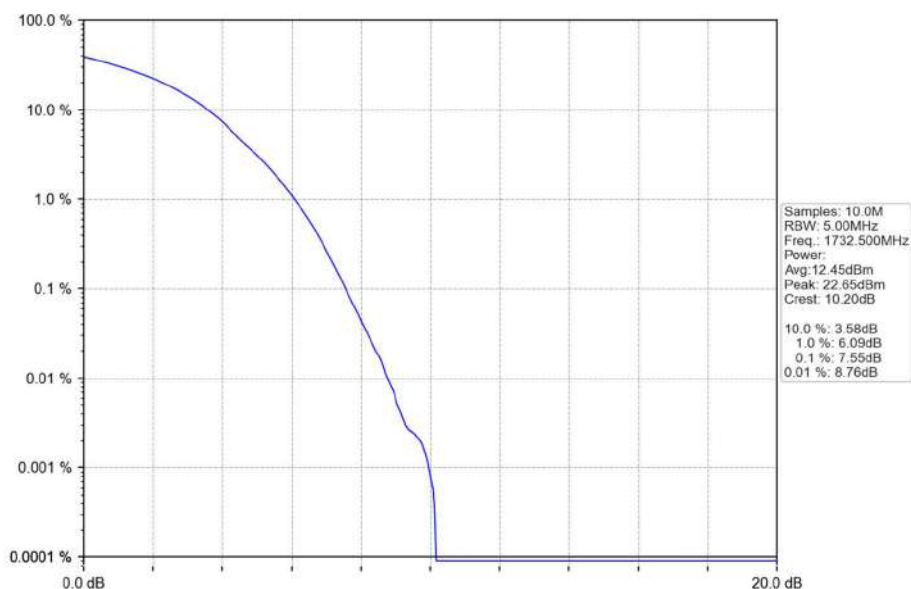
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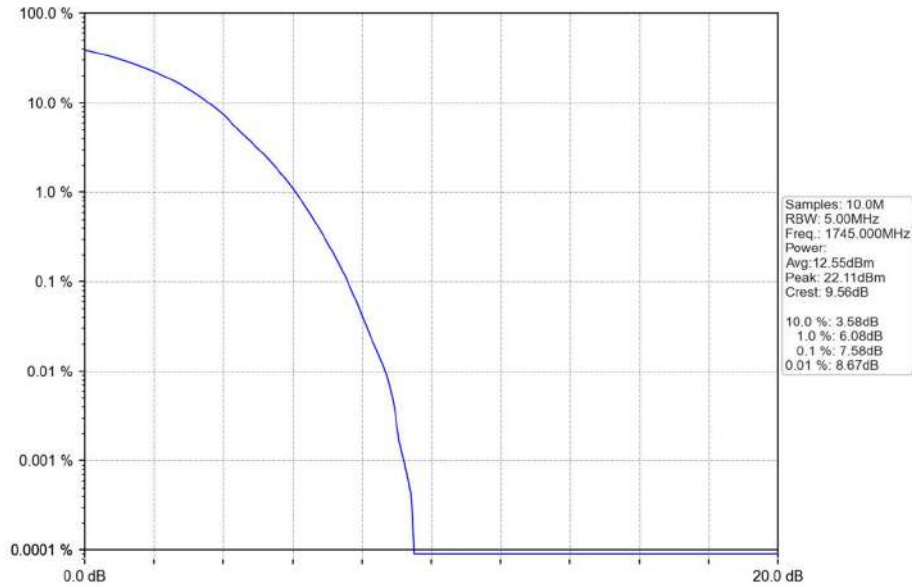
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6. Spurious Emission

6.1 B4_1.4MHz

6.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	1710.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	1754.3	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
16QAM	1710.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	1754.3	1	0	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.



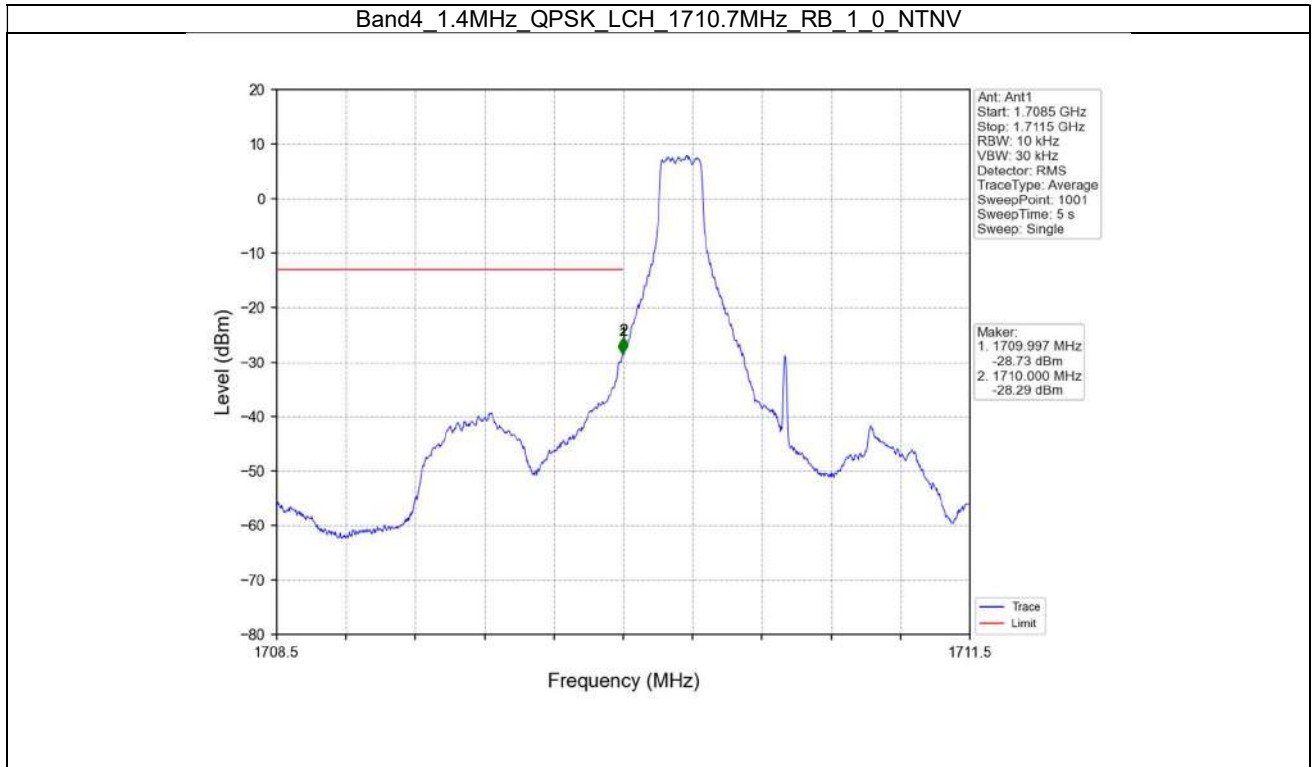
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6.1.2 Test Graph



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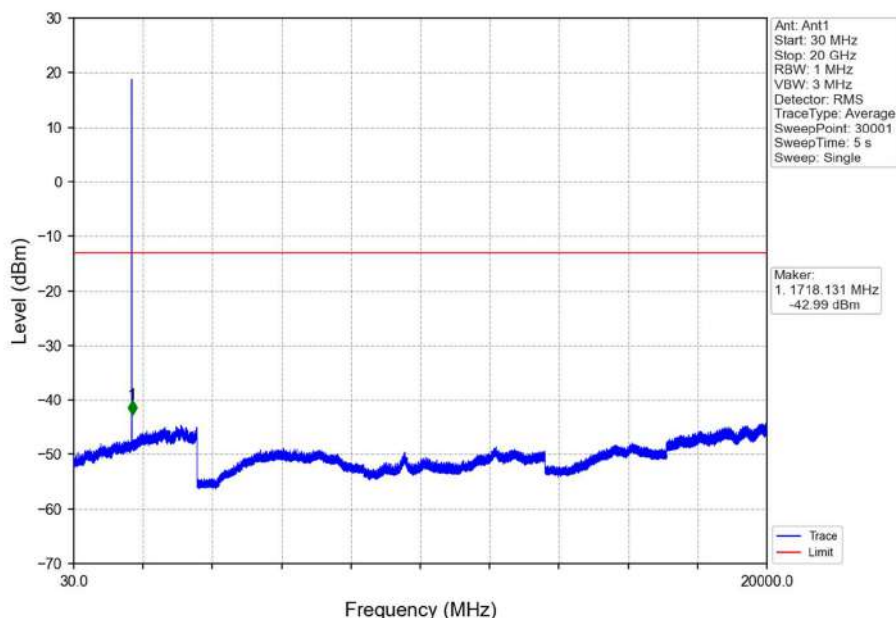
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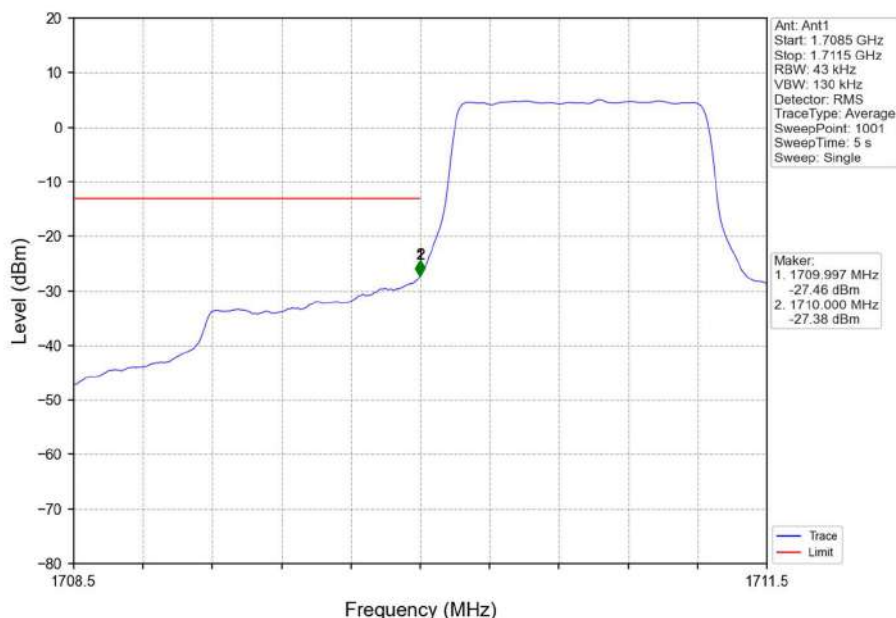
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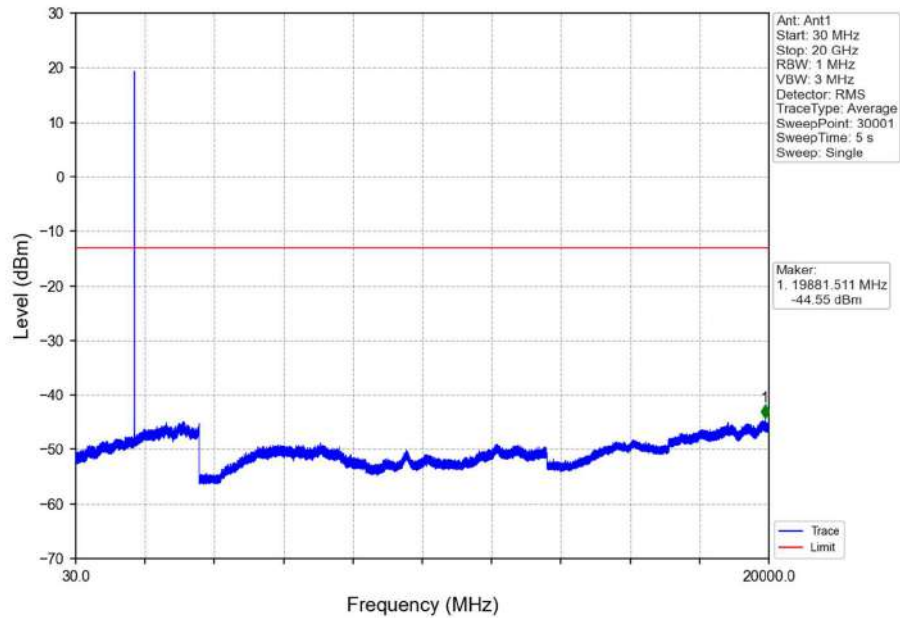
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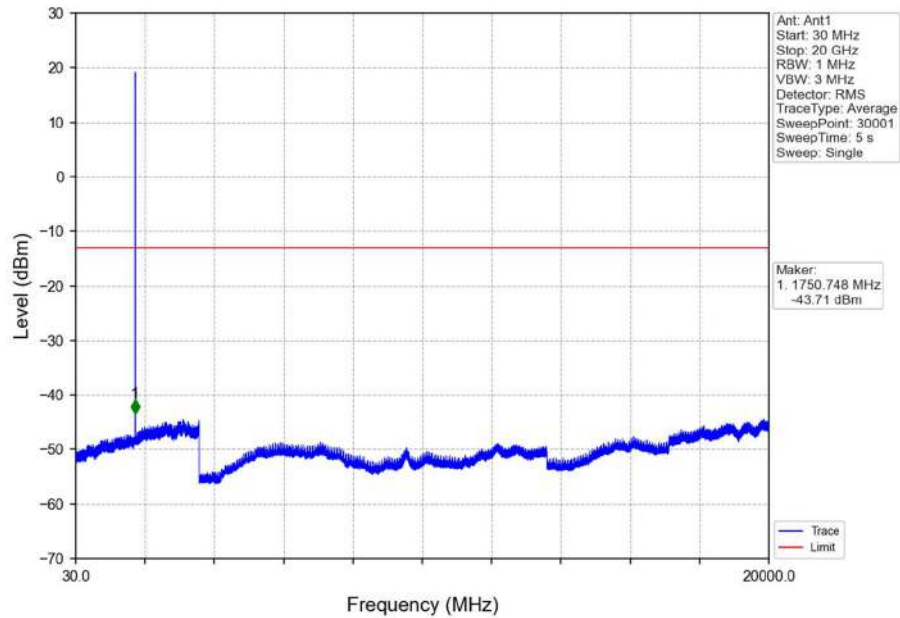
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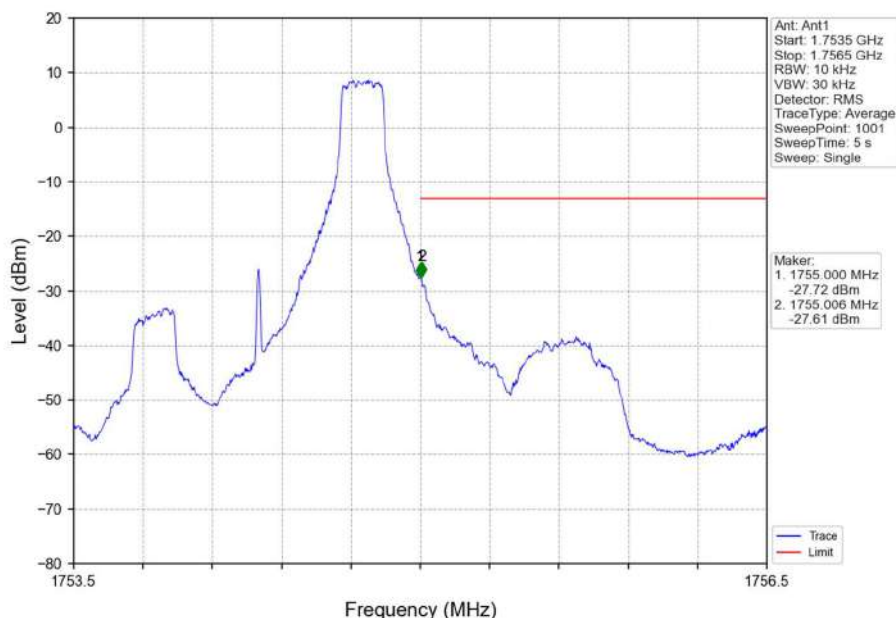
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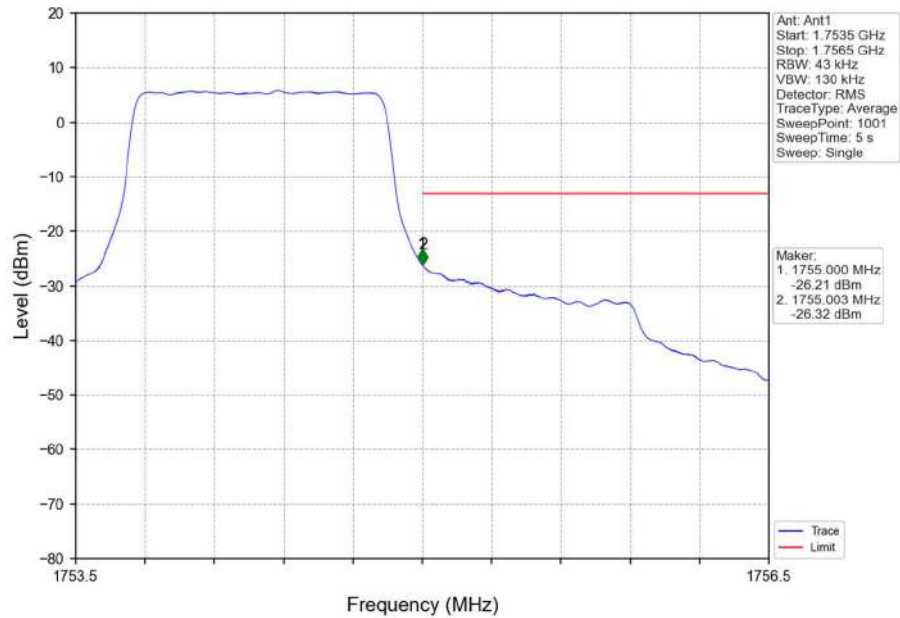
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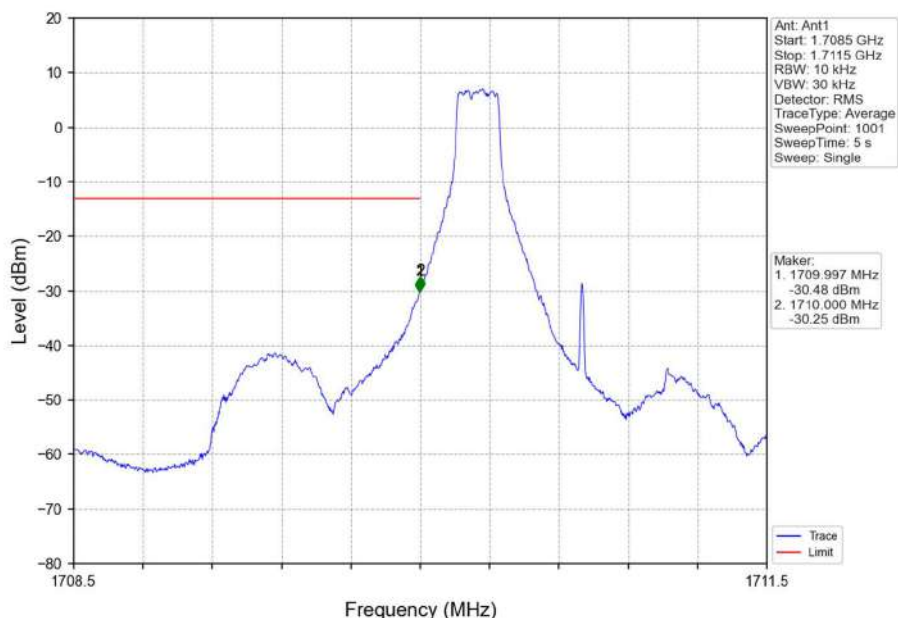
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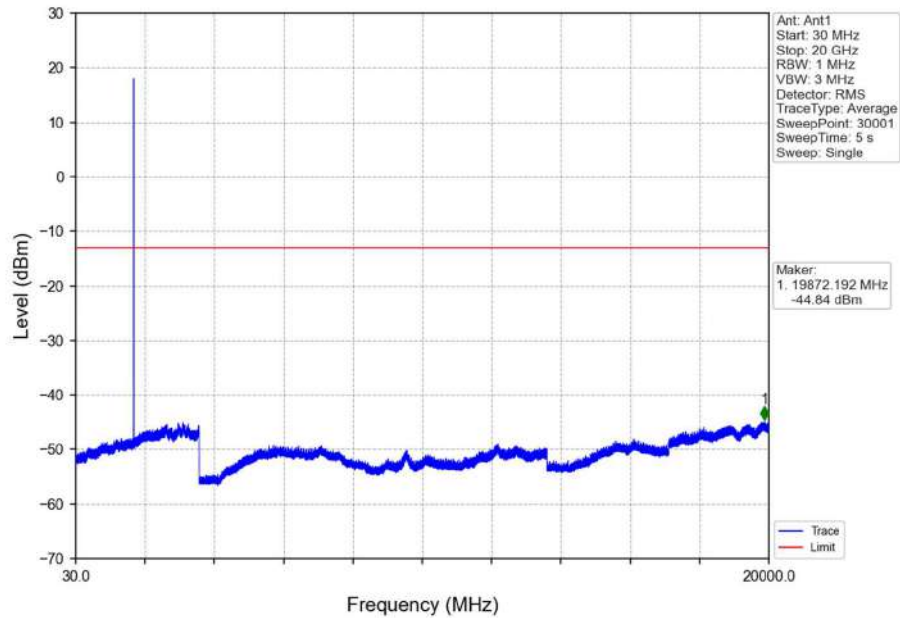
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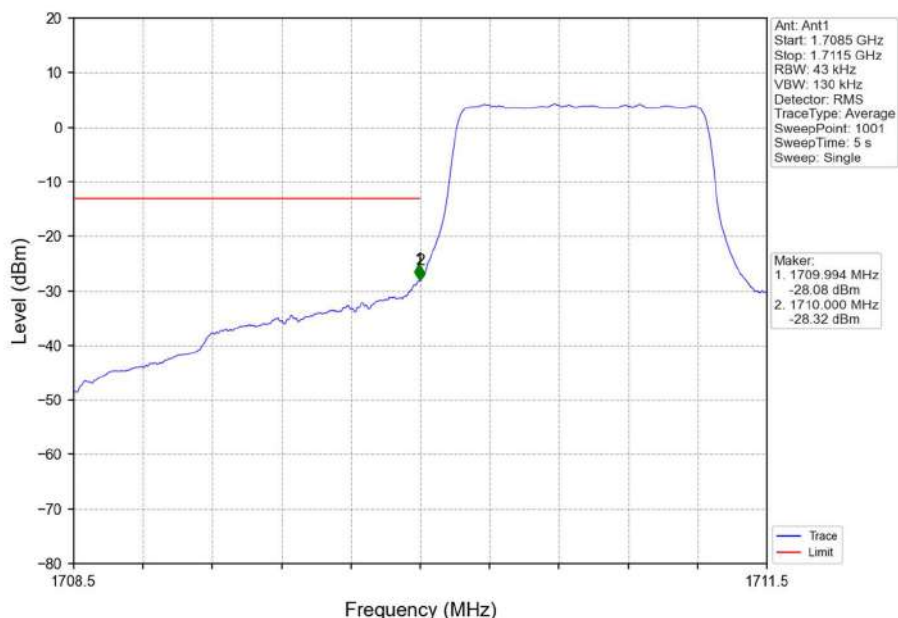
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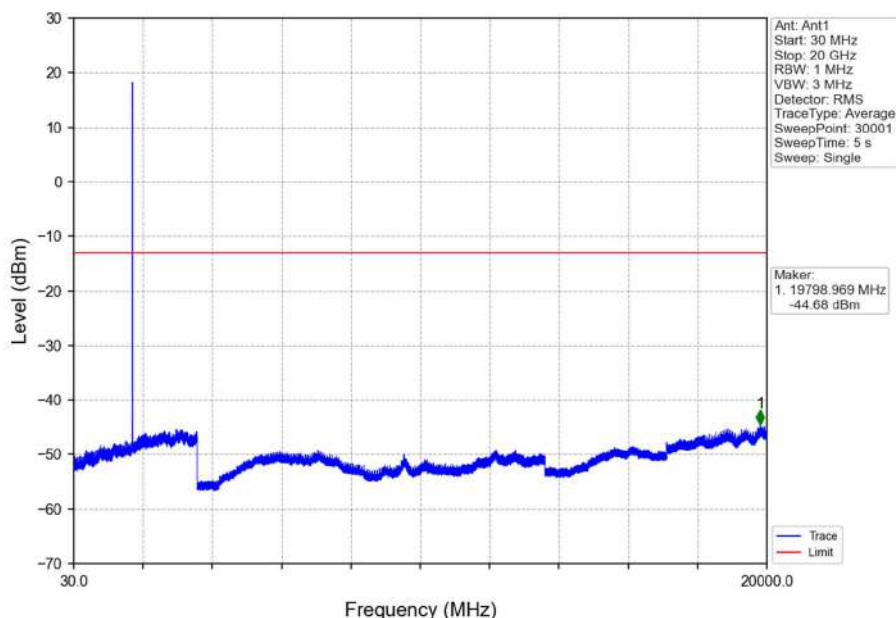
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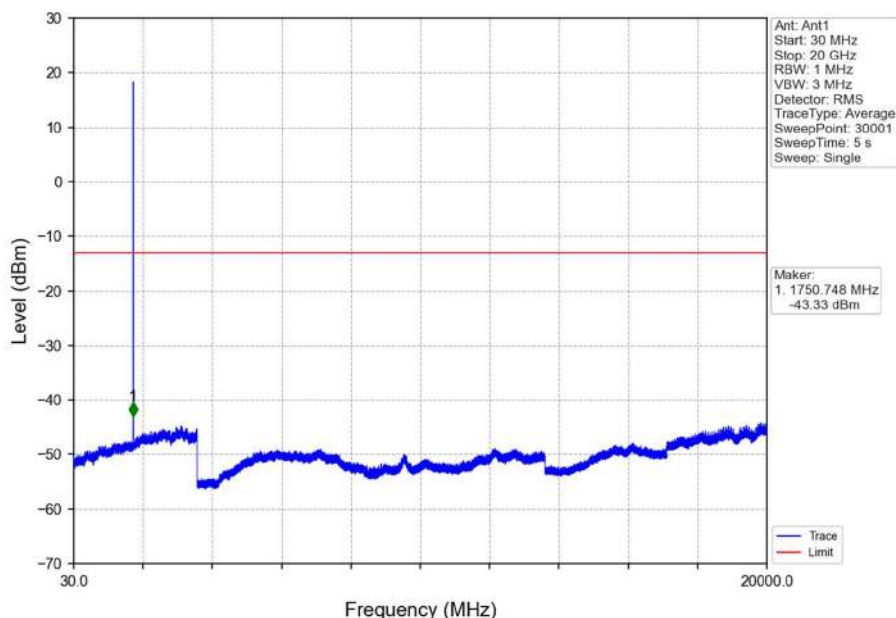
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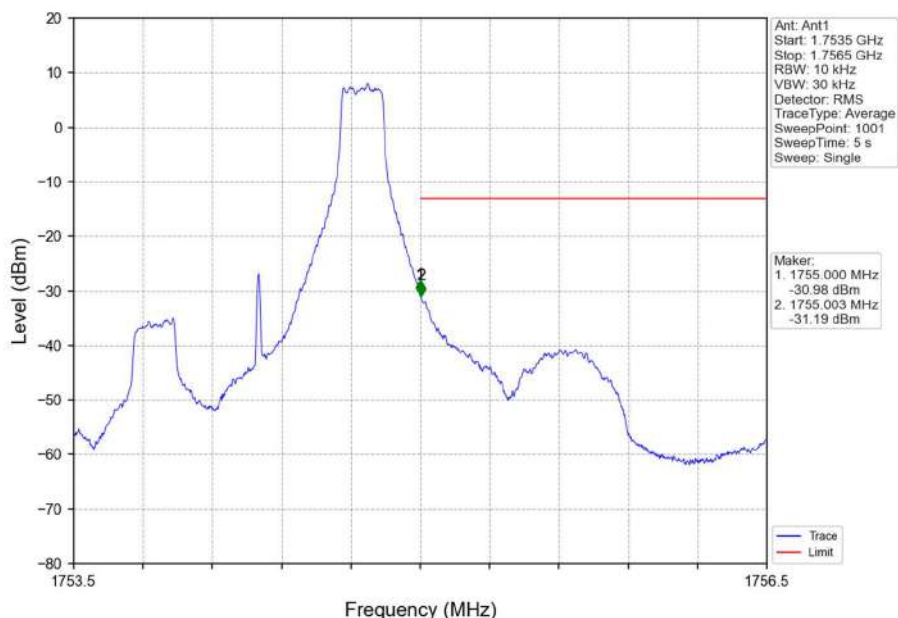
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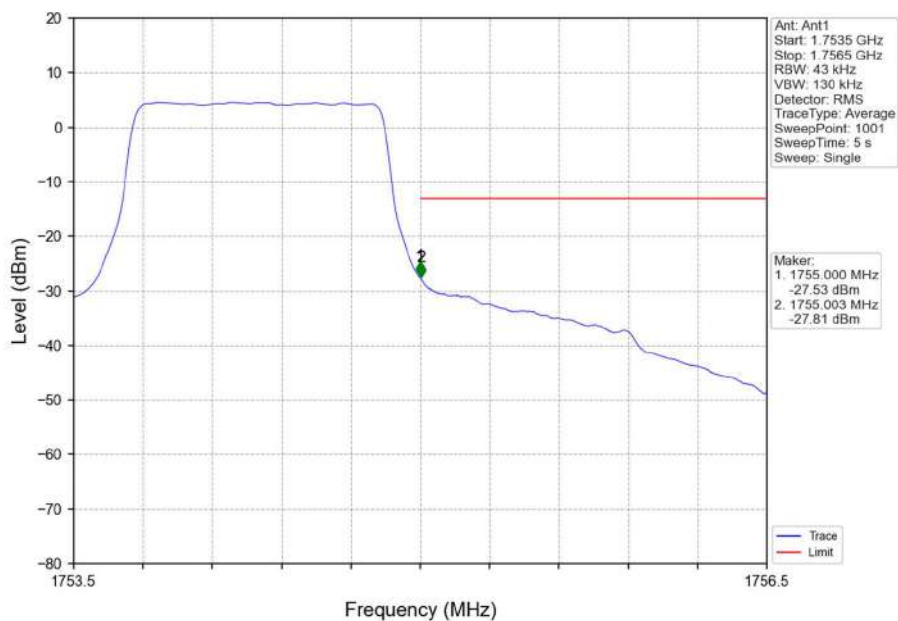
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Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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6.2 B4_3MHz

6.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass



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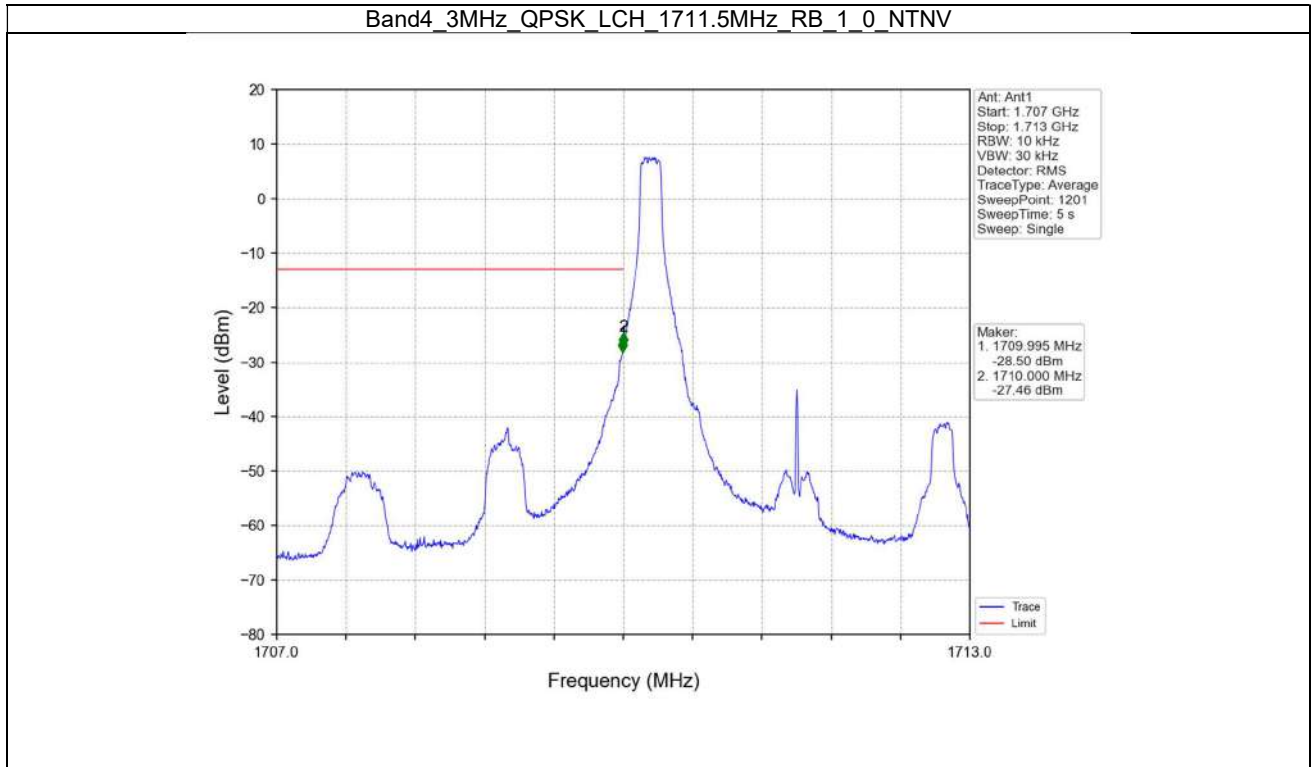
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6.2.2 Test Graph



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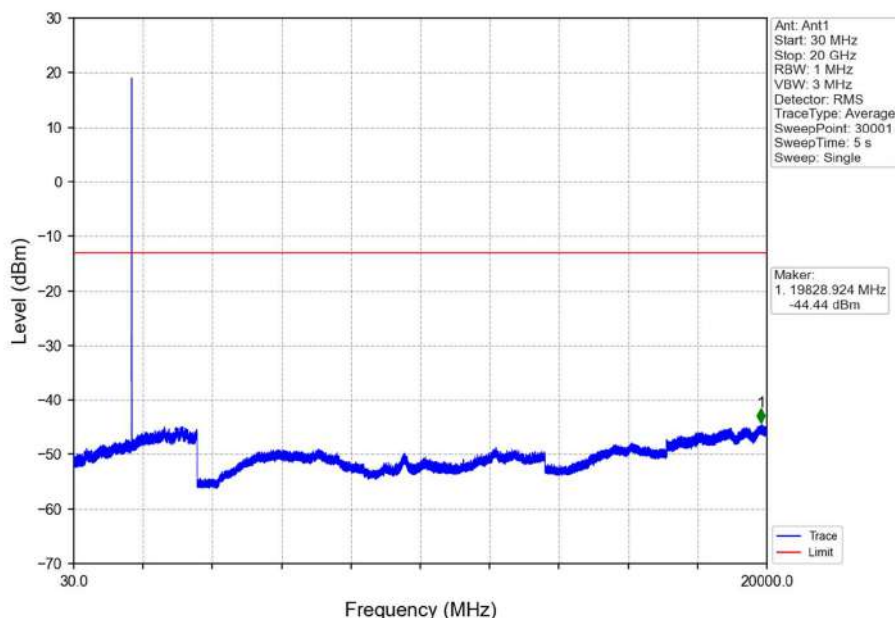
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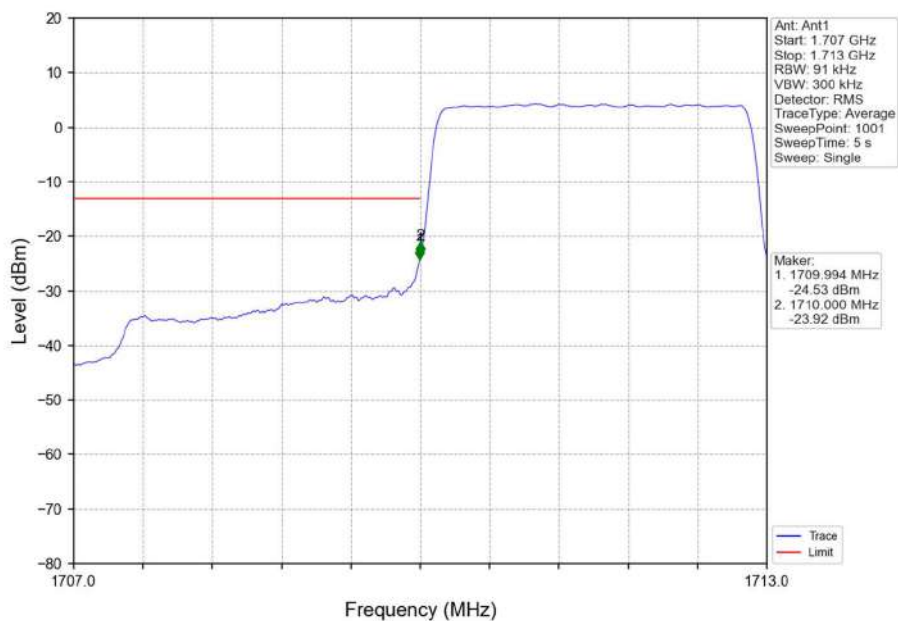
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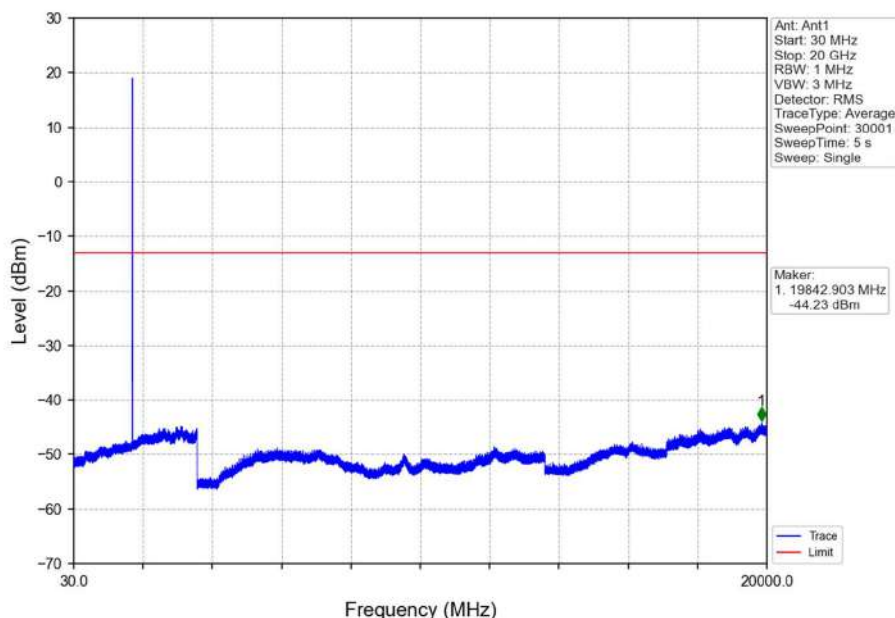
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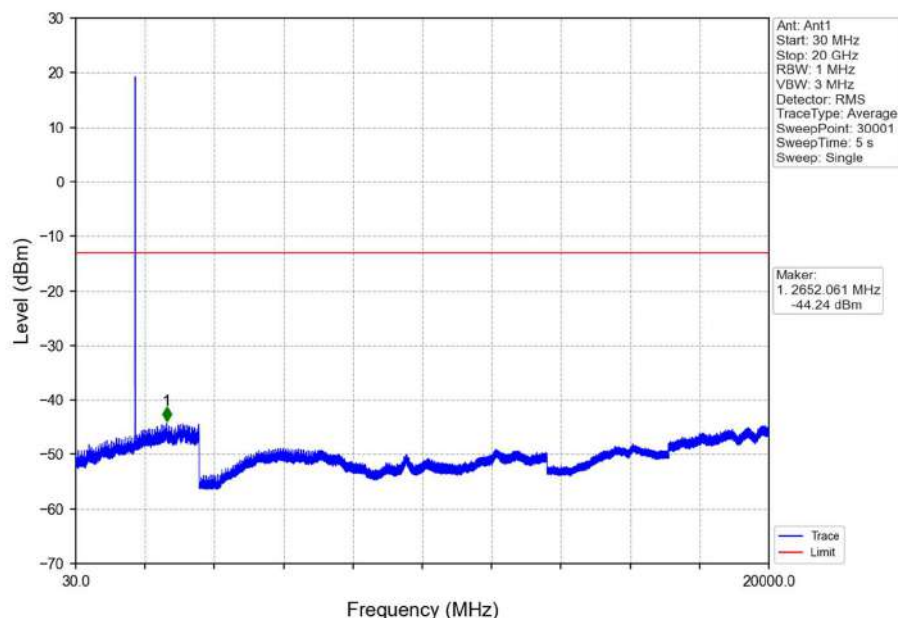
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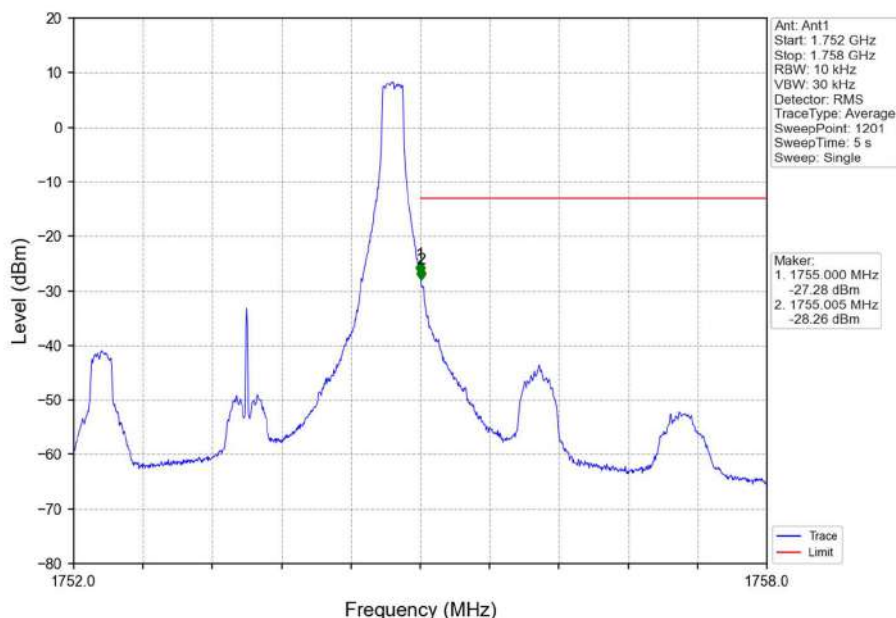
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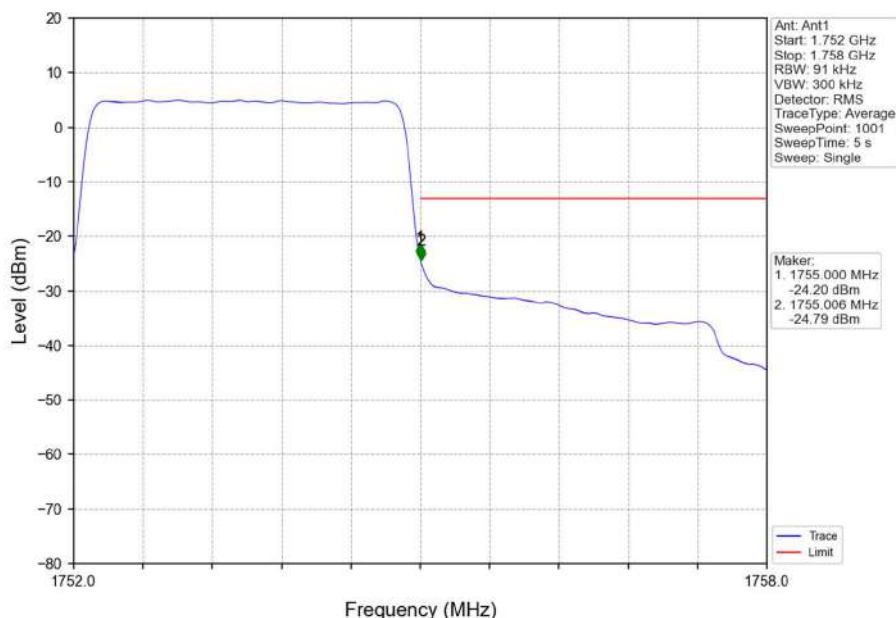
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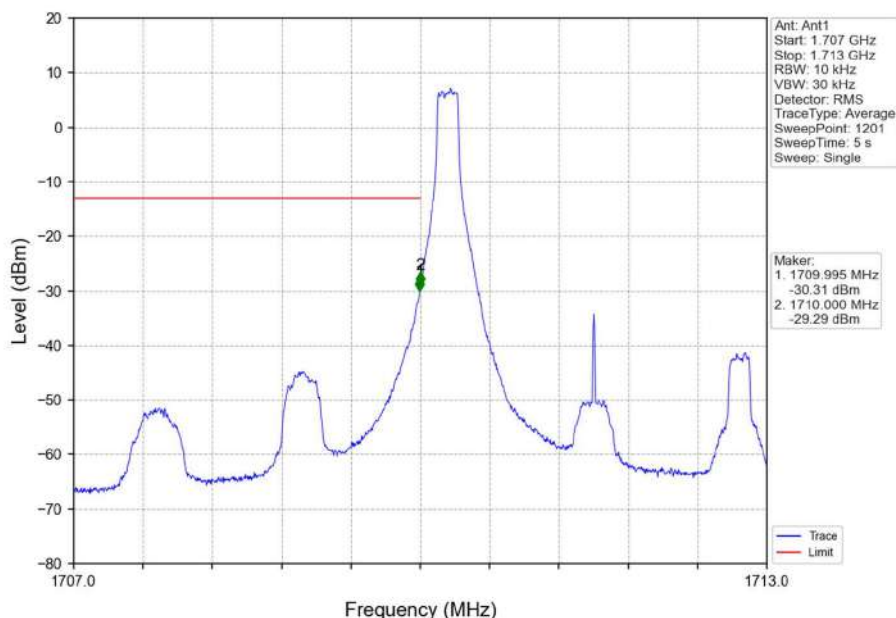
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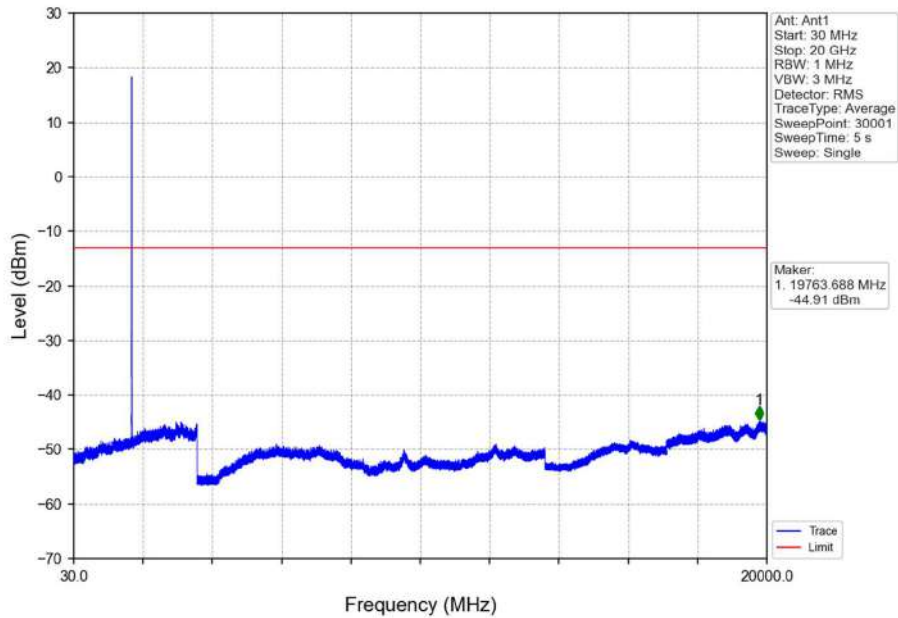
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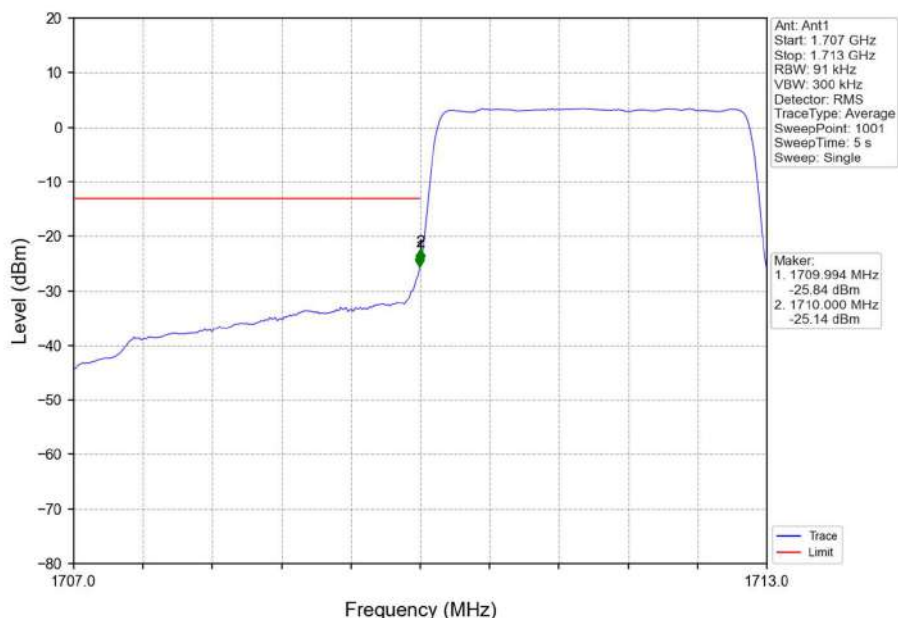
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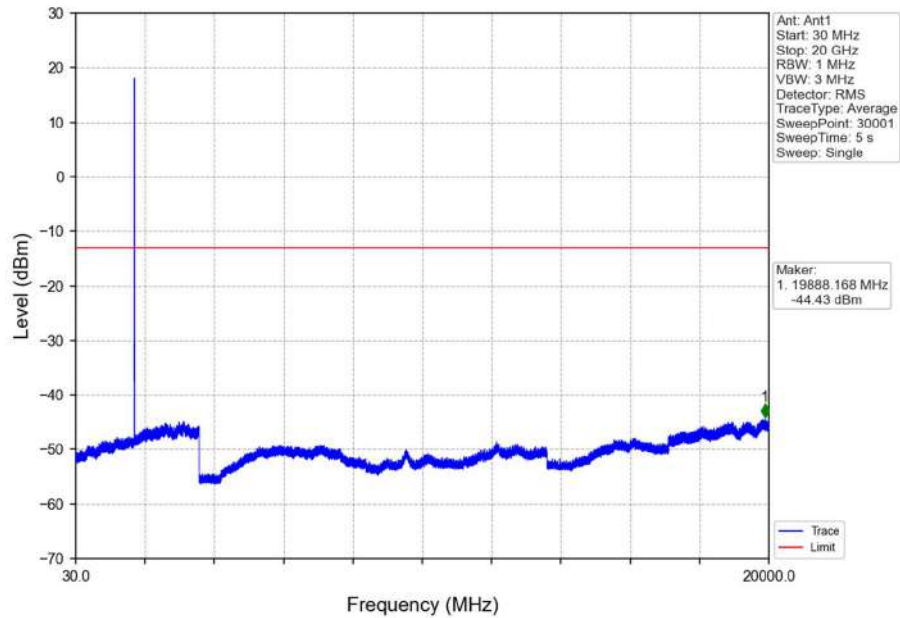
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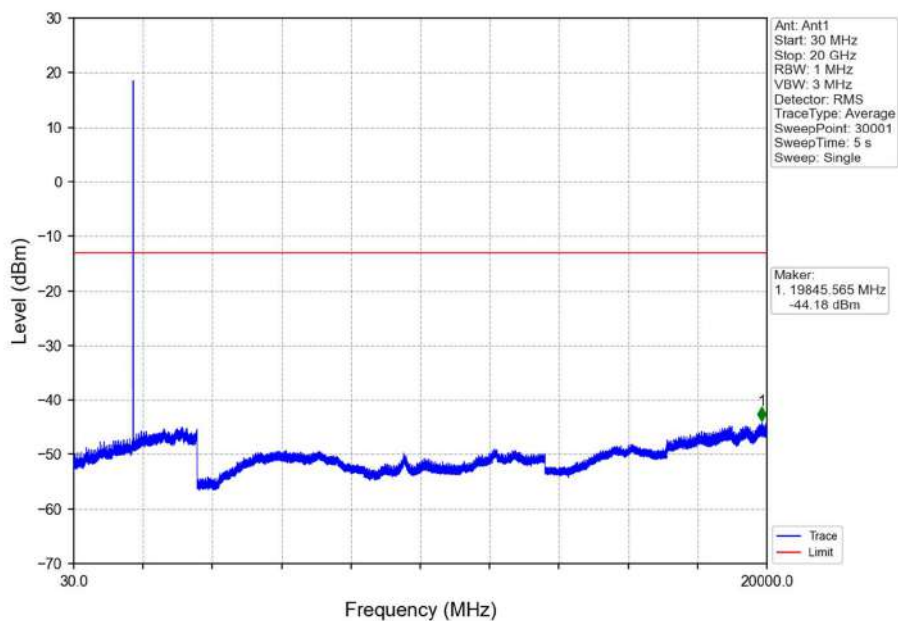
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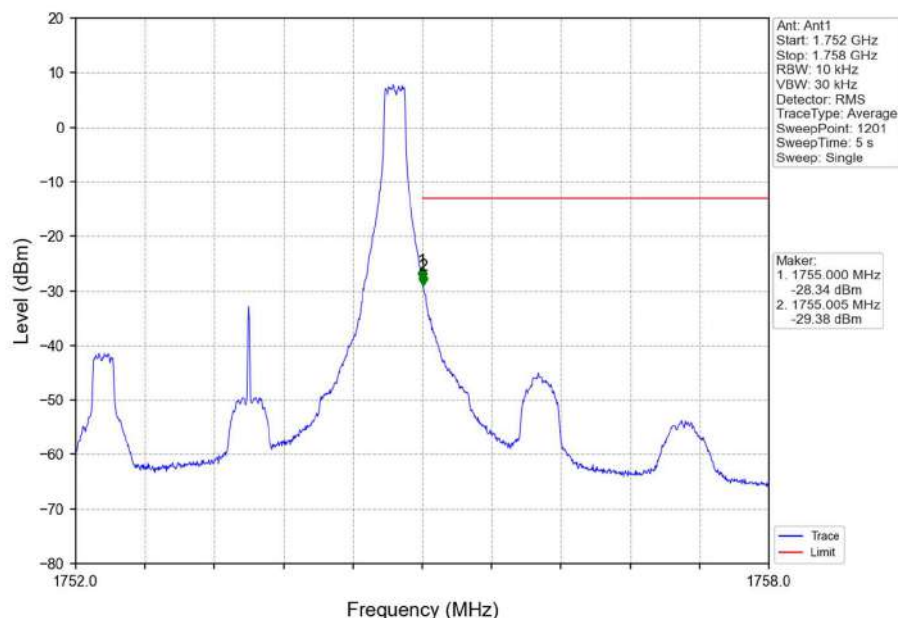
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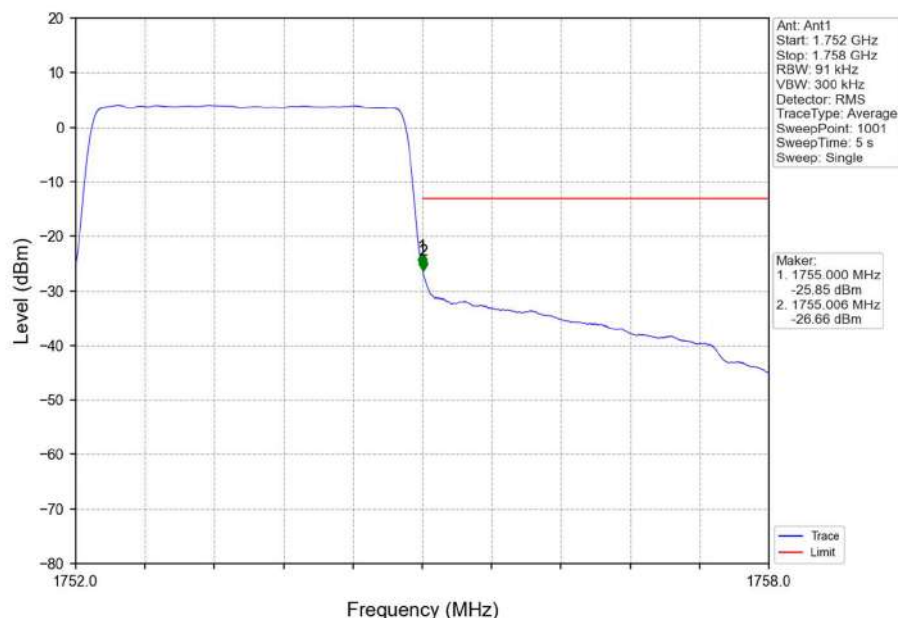
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6.3 B4_5MHz

6.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	1712.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	1752.5	1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	1712.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	1752.5	1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass



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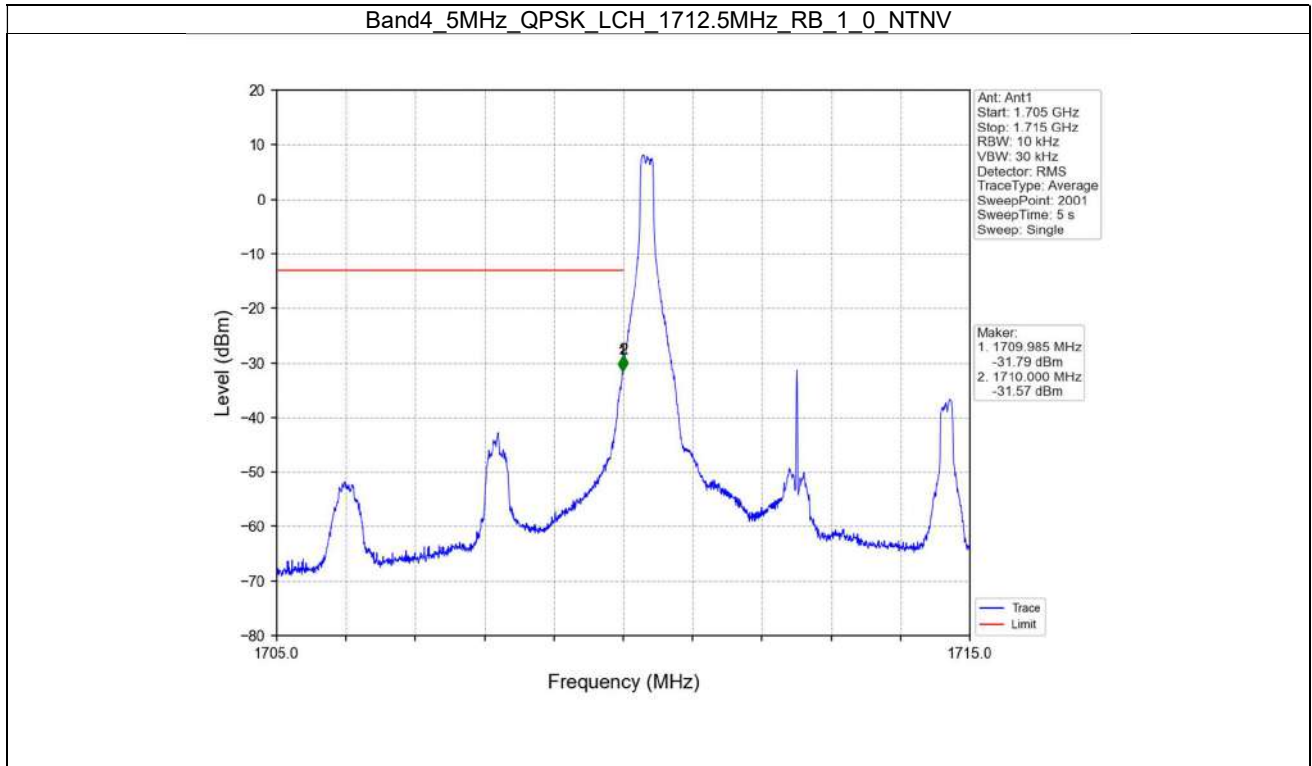
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6.3.2 Test Graph



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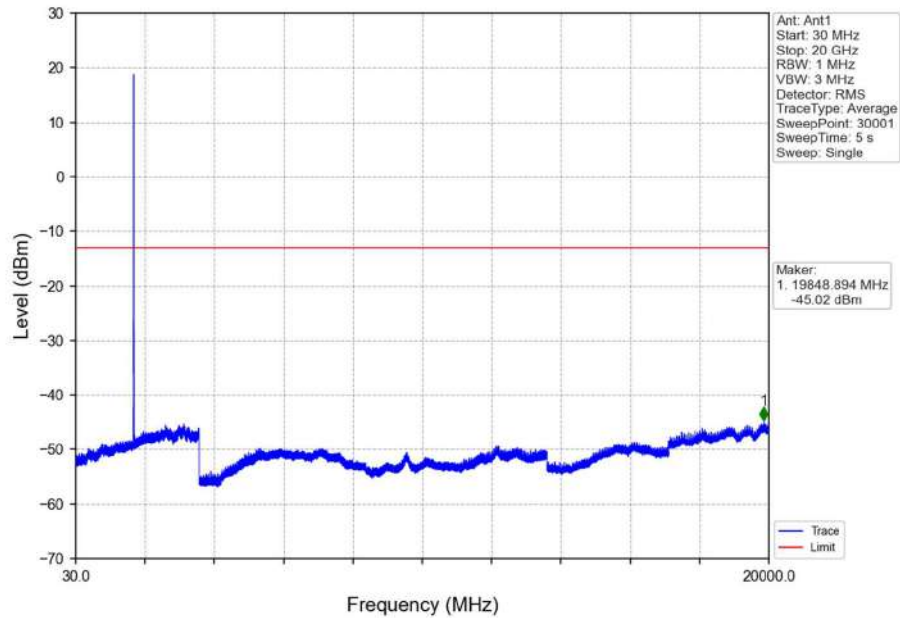
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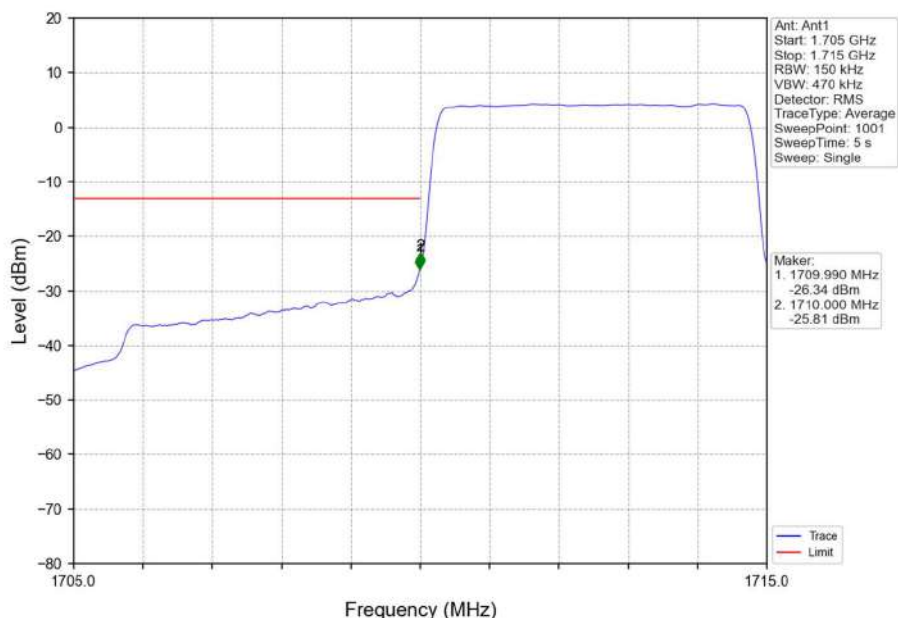
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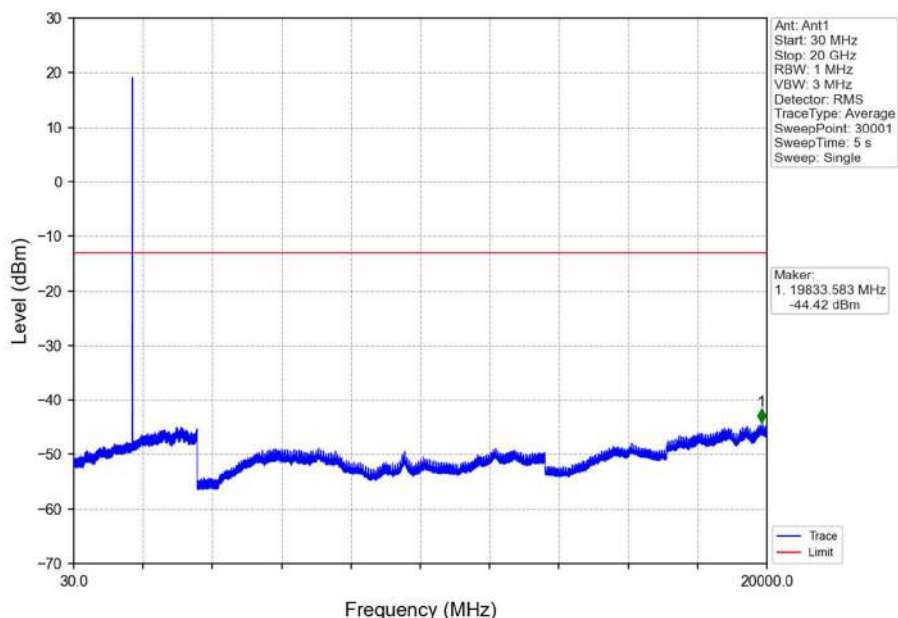


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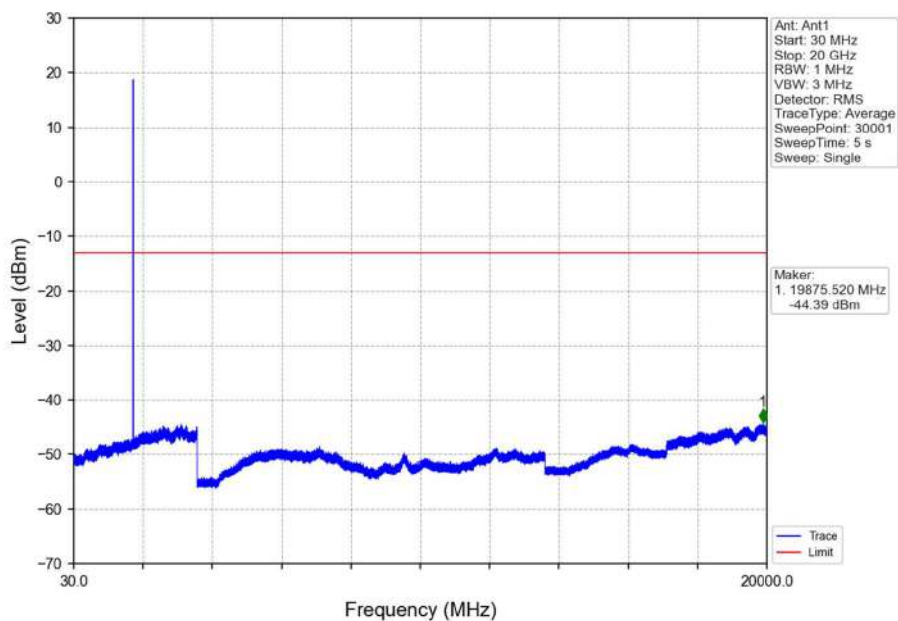
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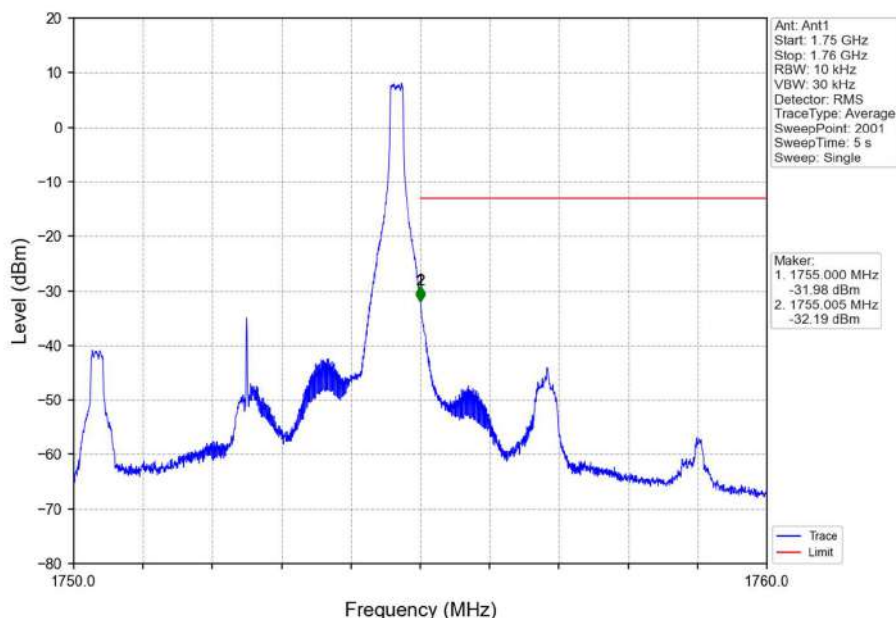
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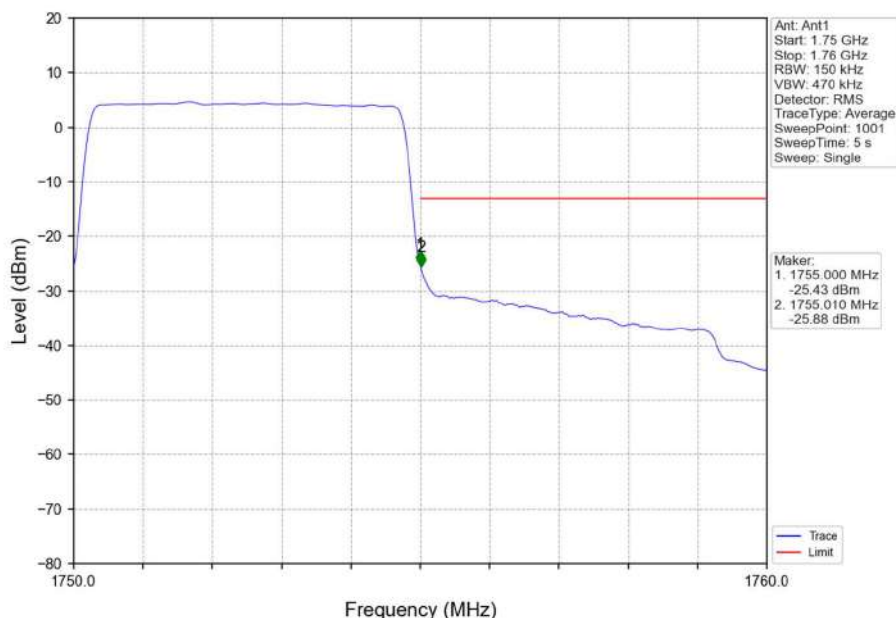
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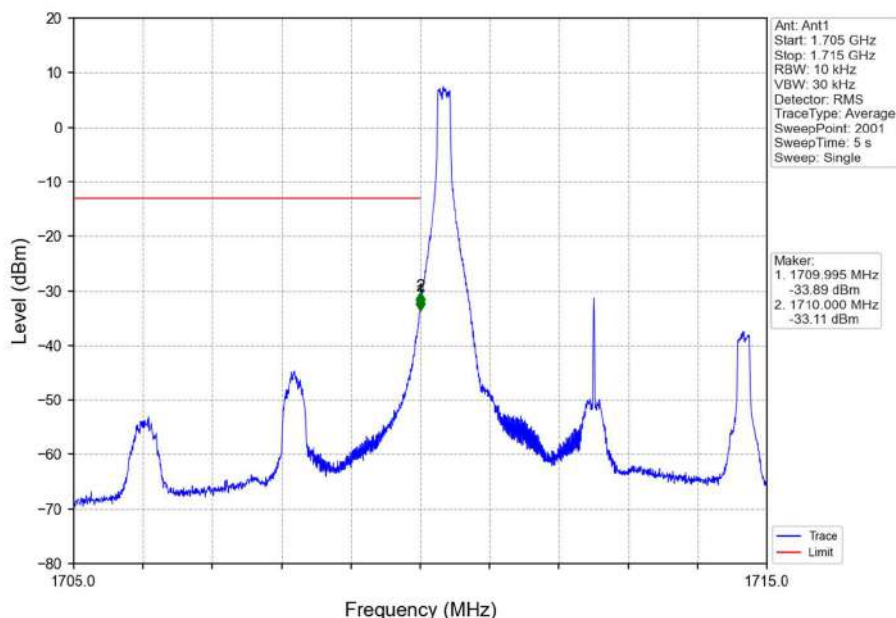
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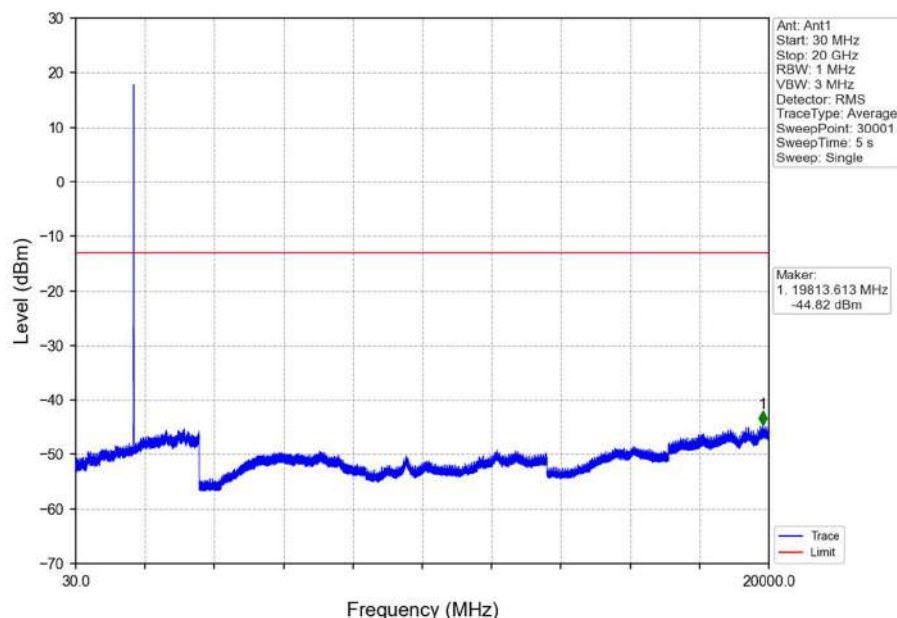
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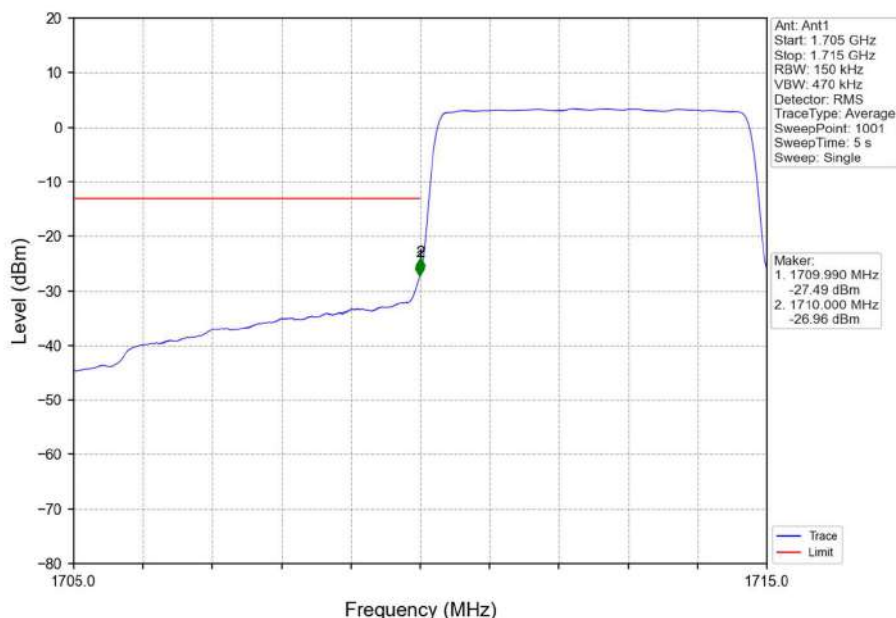
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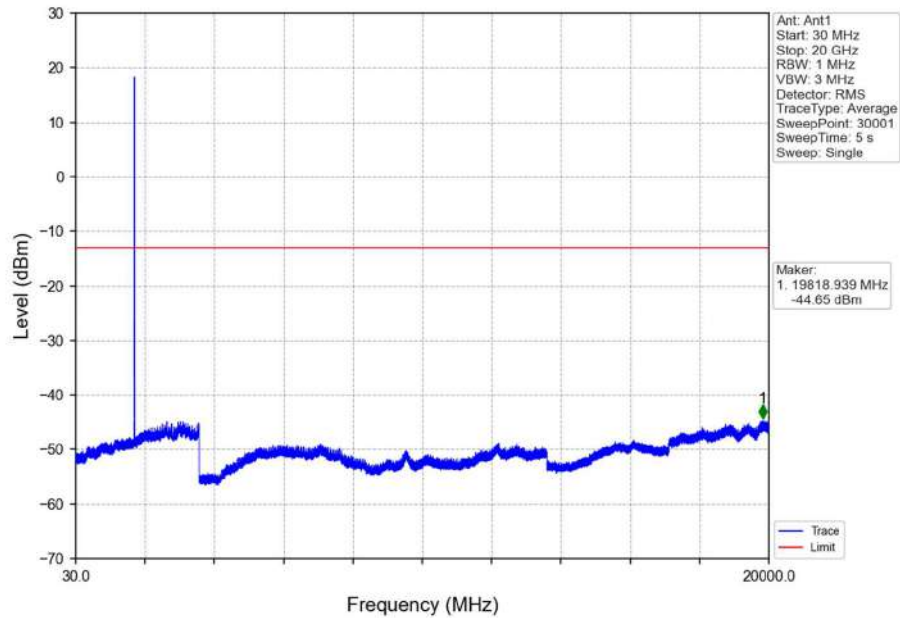
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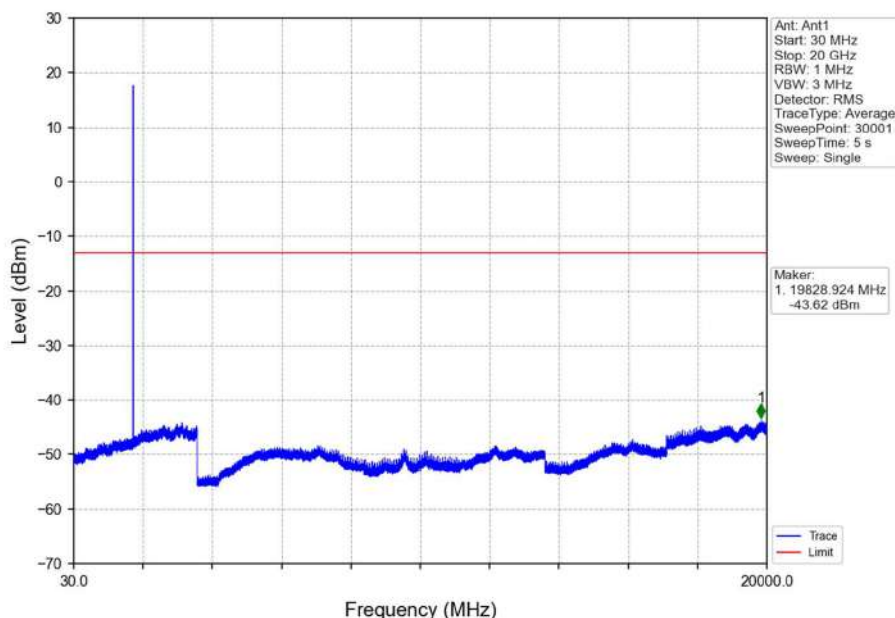
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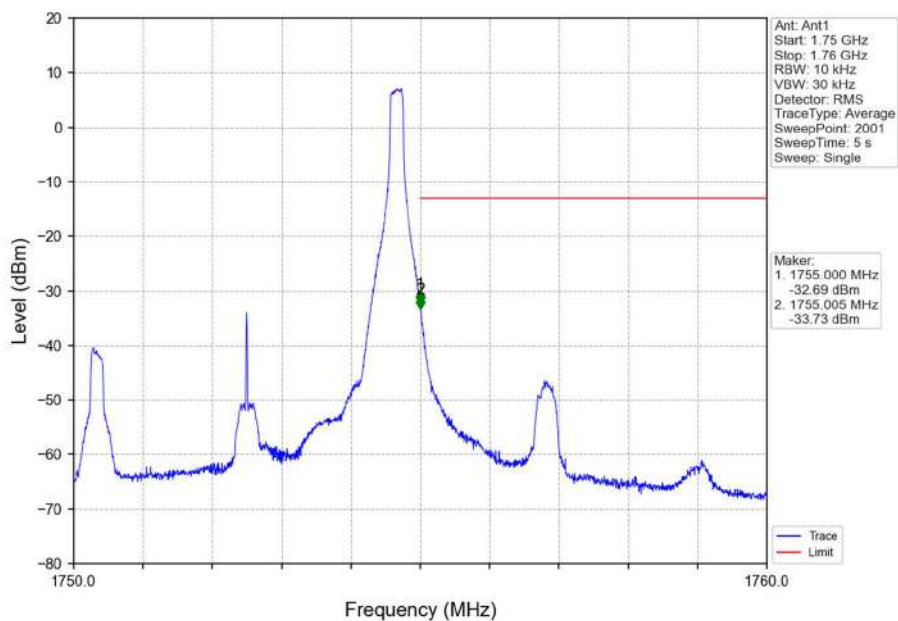
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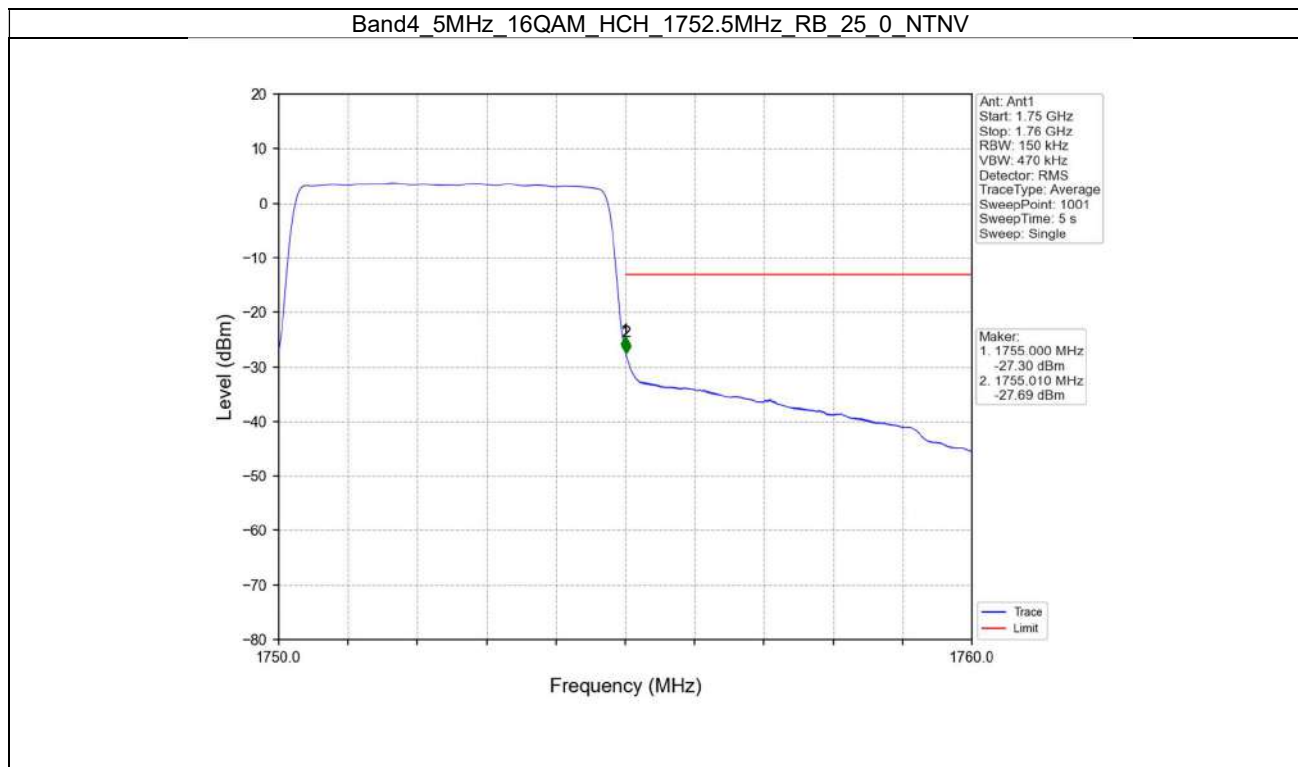


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6.4 B4_10MHz

6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
	1750	50	0	Refer To Test Graph		Pass



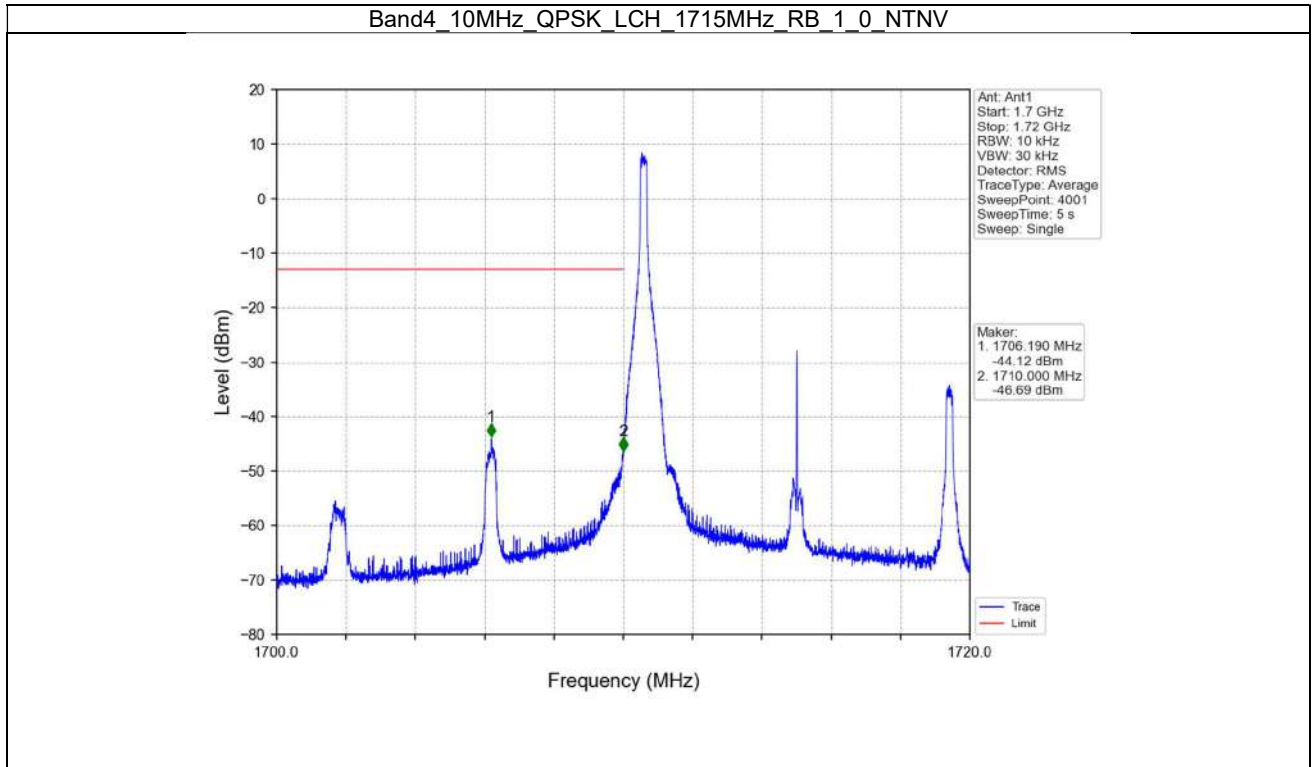
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6.4.2 Test Graph



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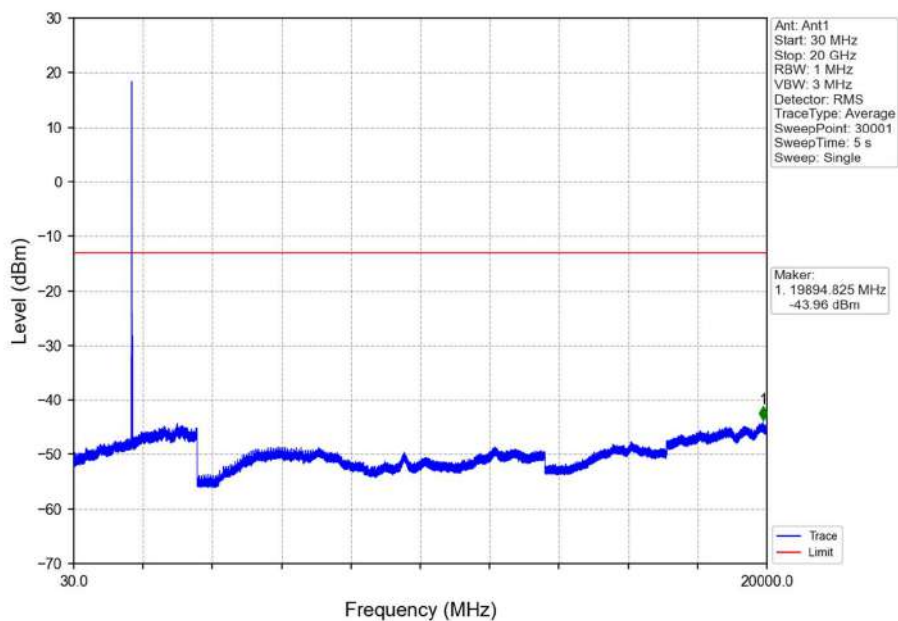
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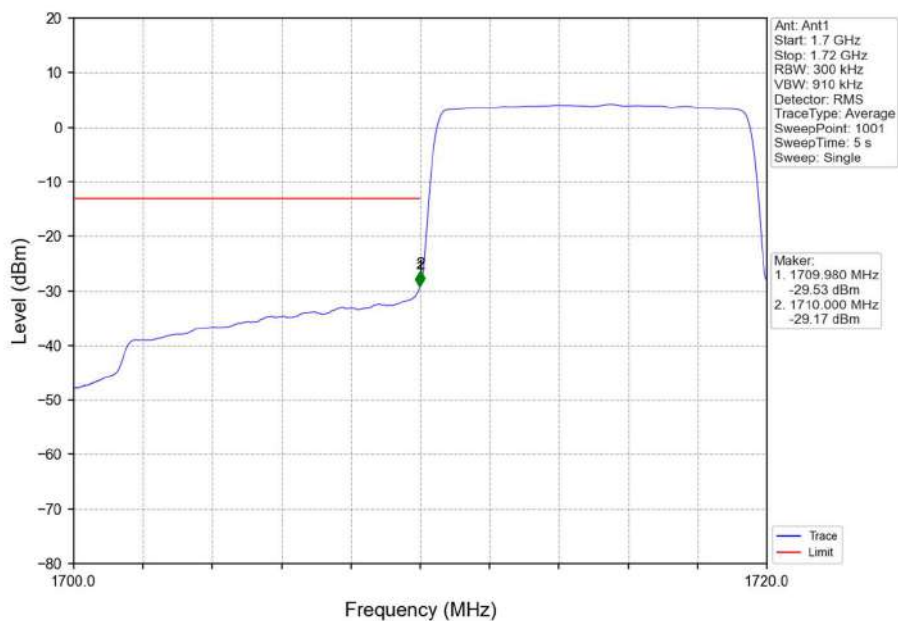
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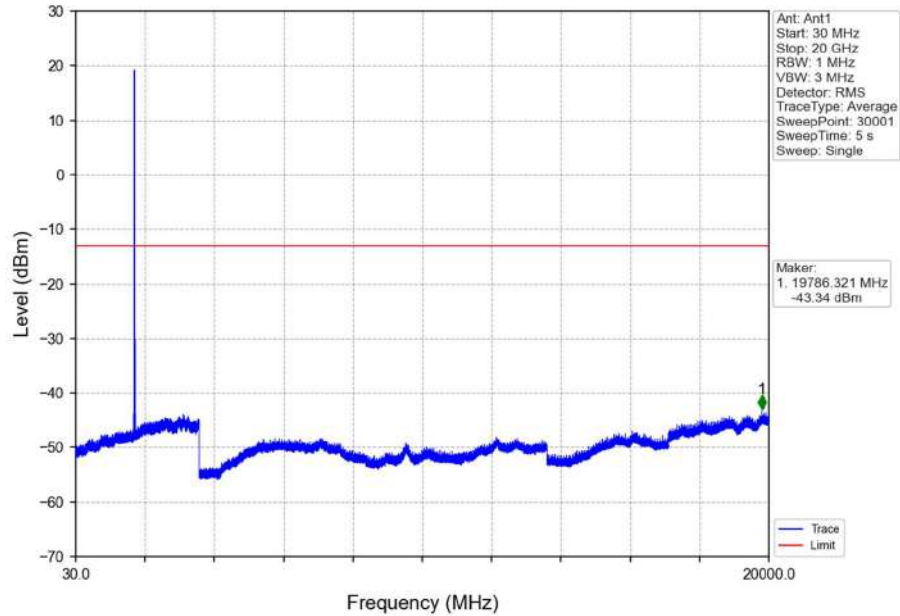
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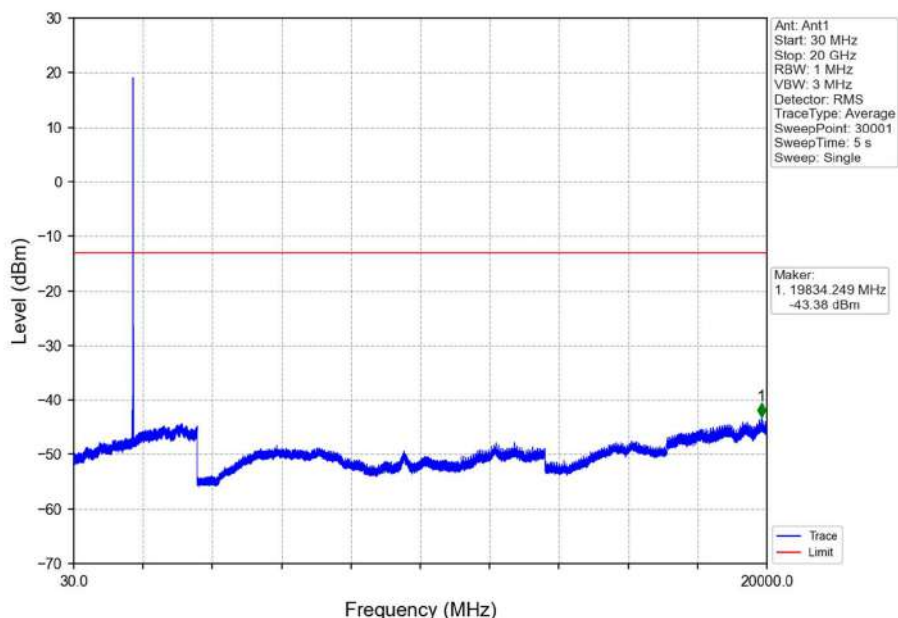
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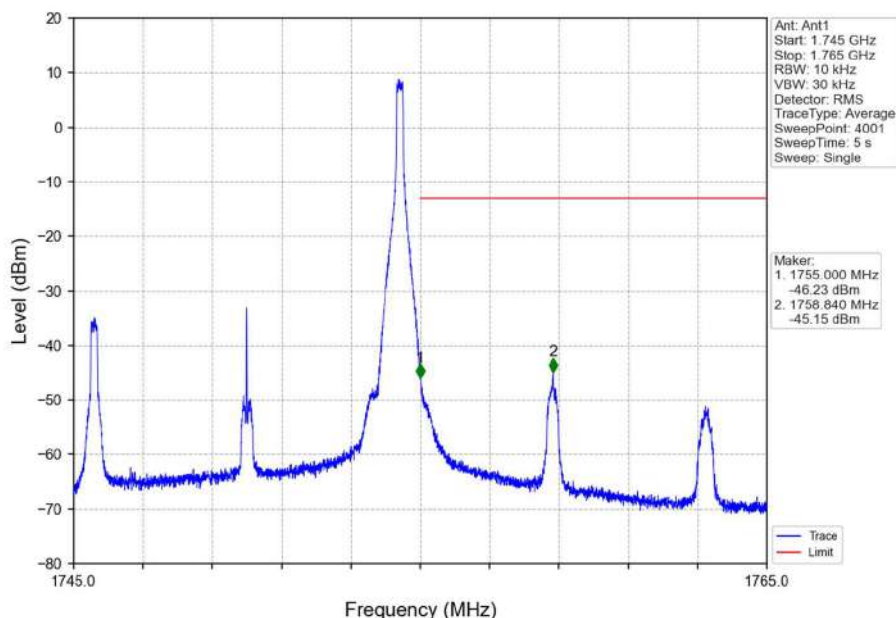
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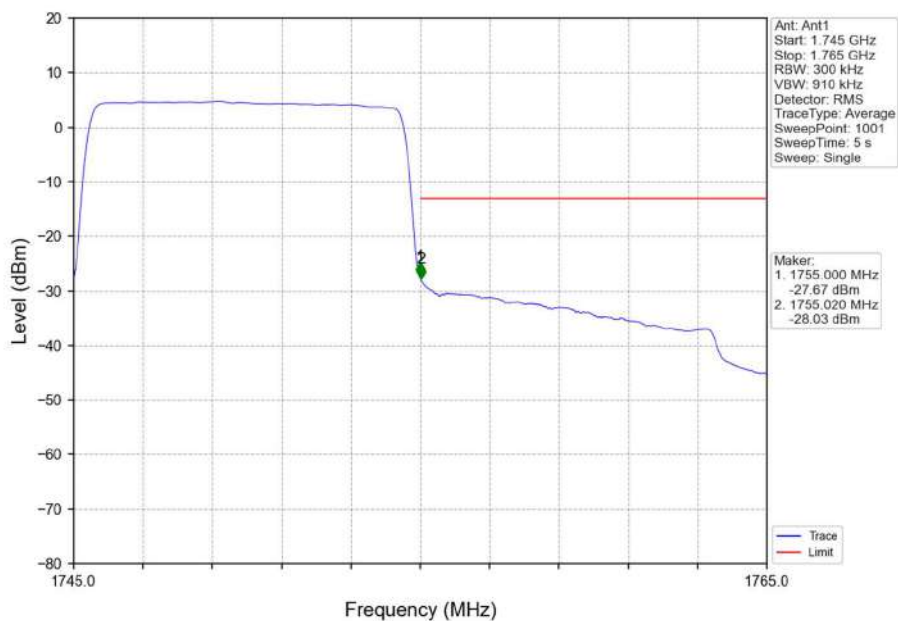
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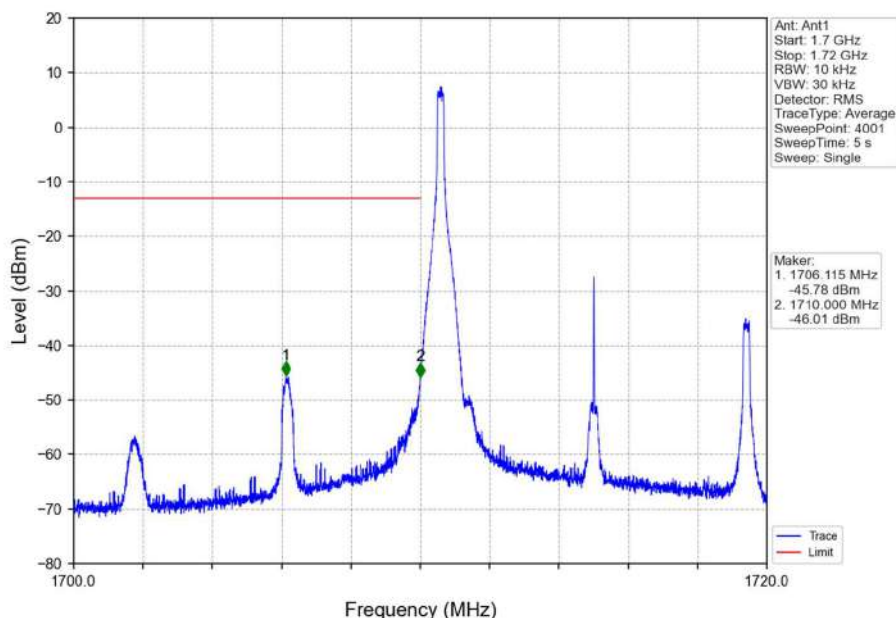
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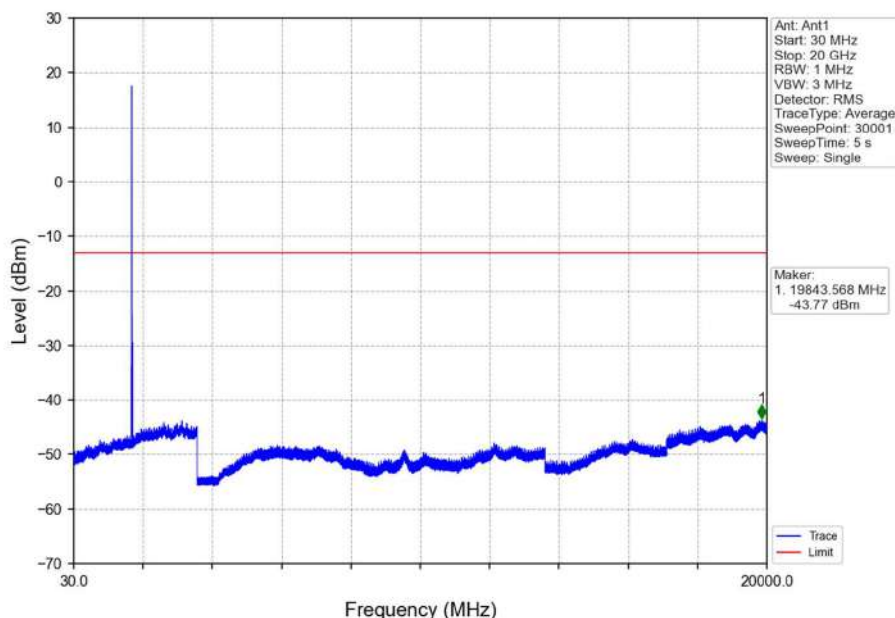
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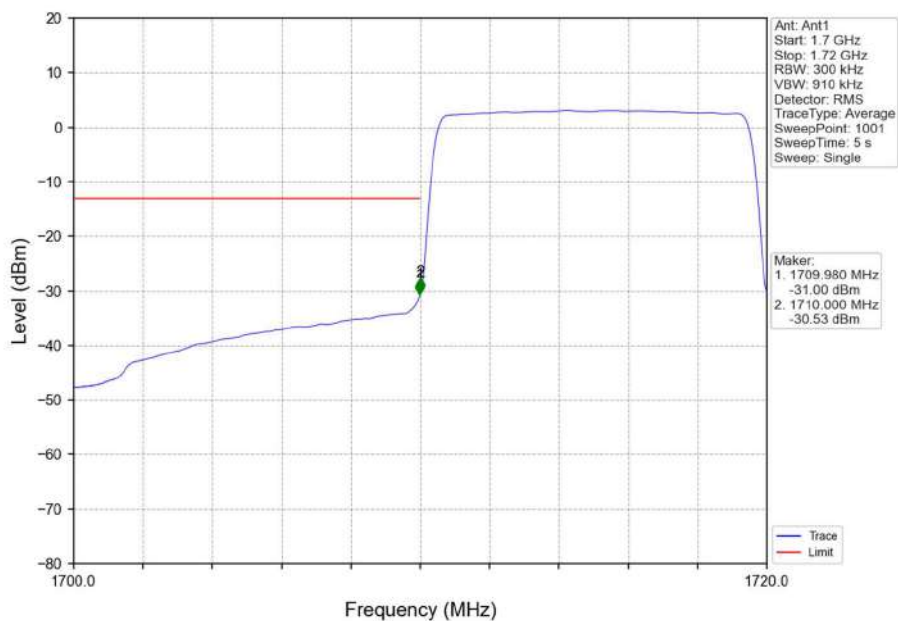
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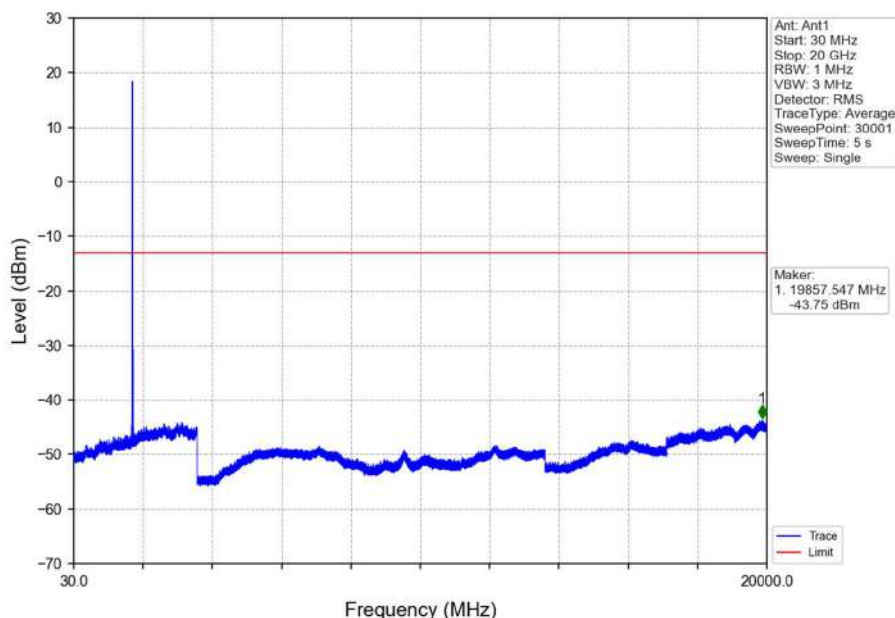
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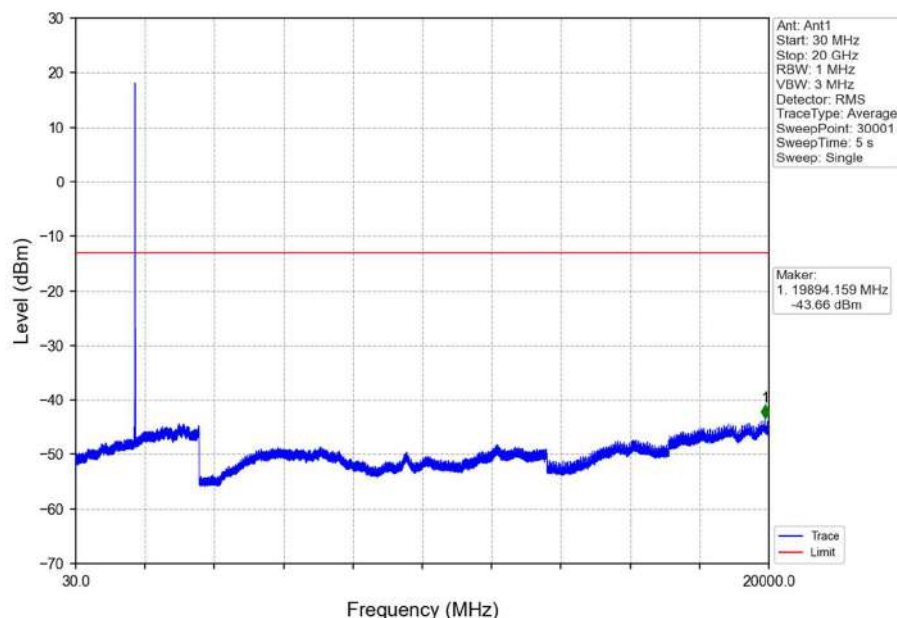
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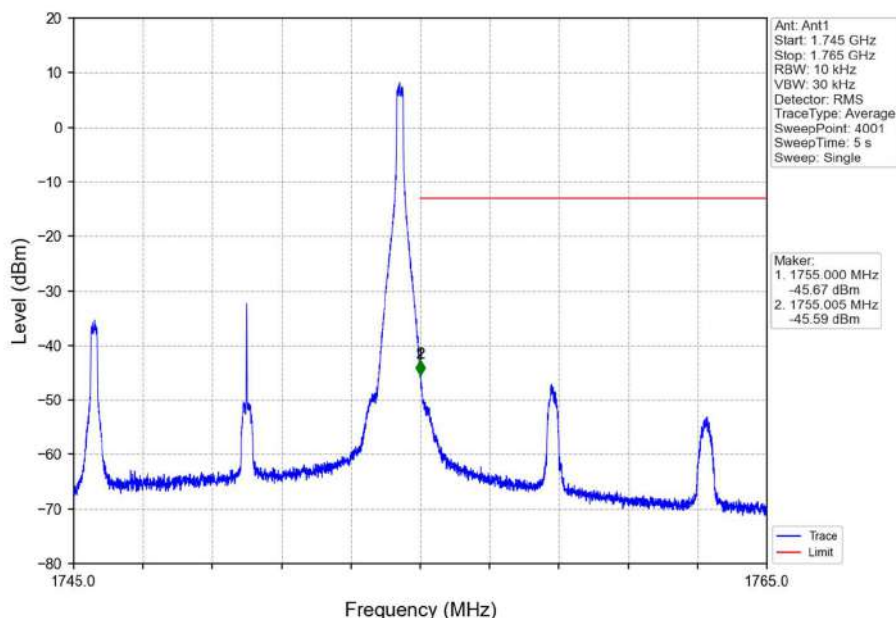
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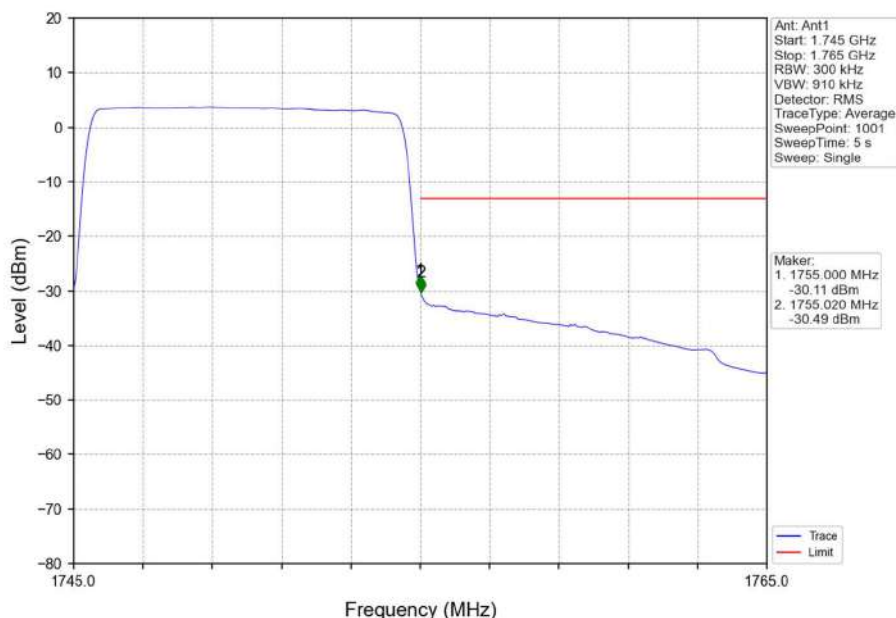
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6.5 B4_15MHz

6.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1747.5	1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1747.5	1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



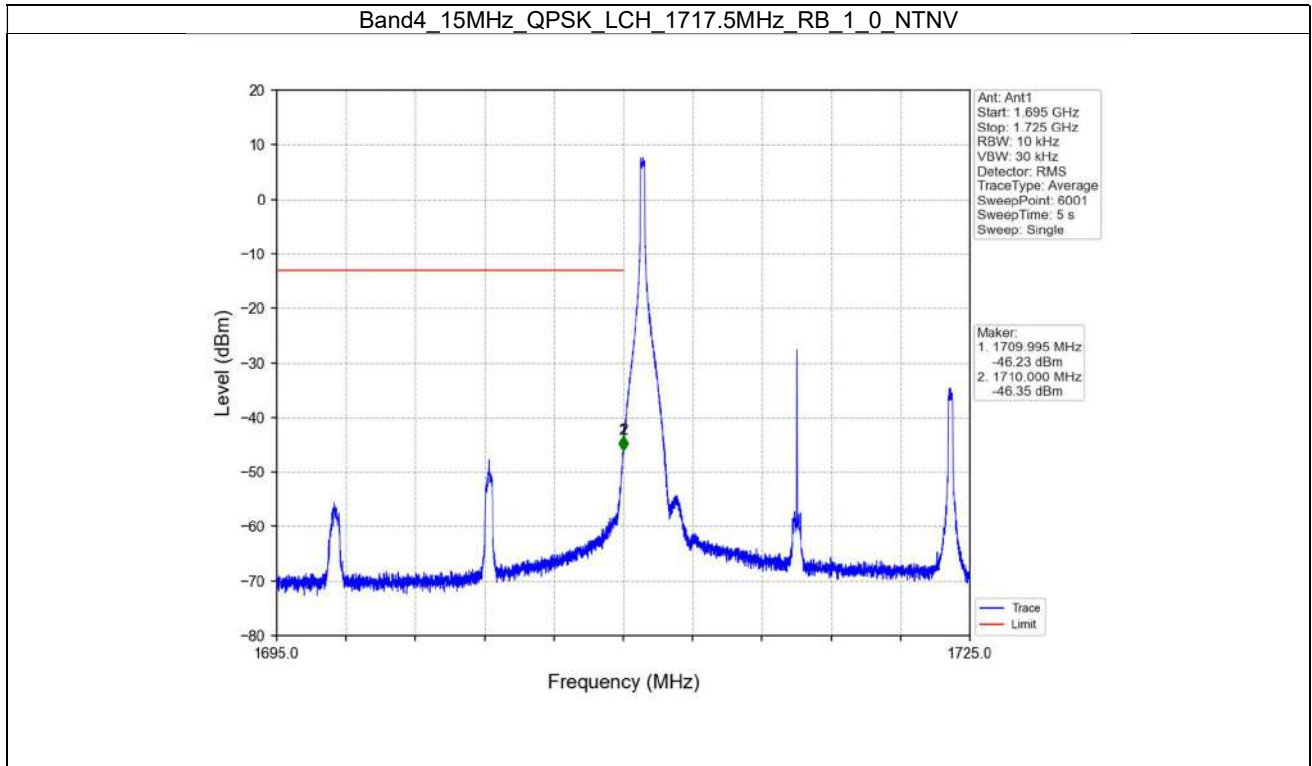
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6.5.2 Test Graph



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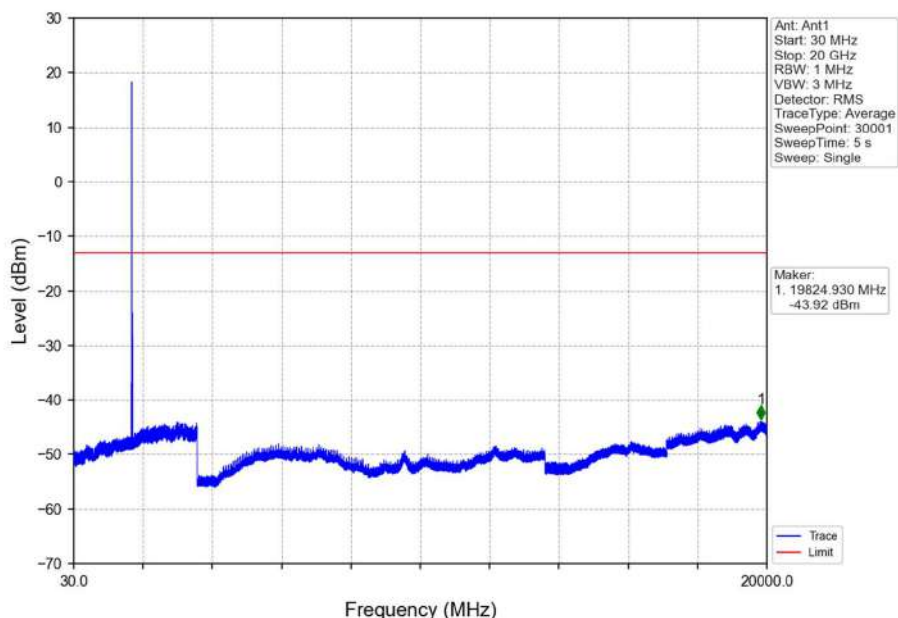
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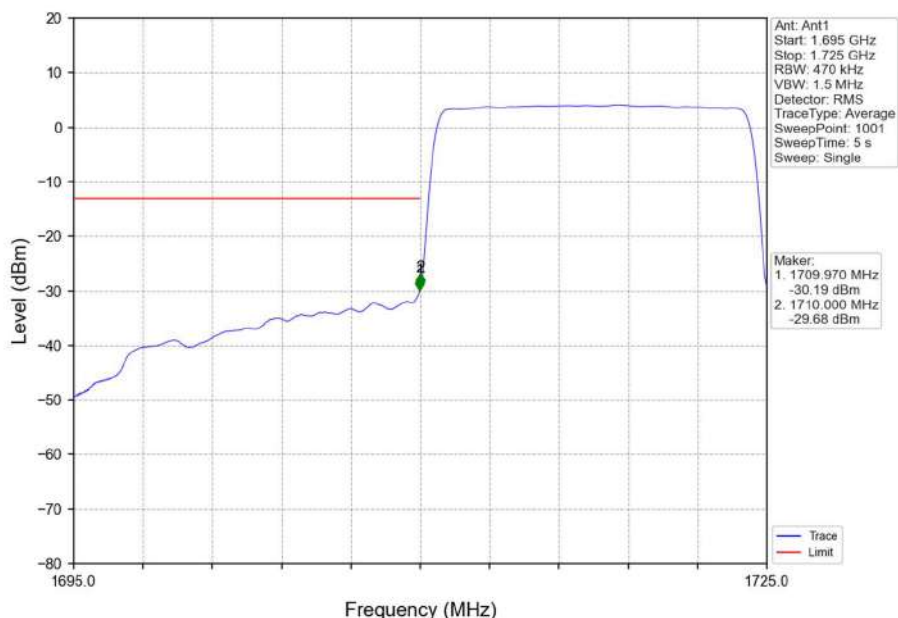
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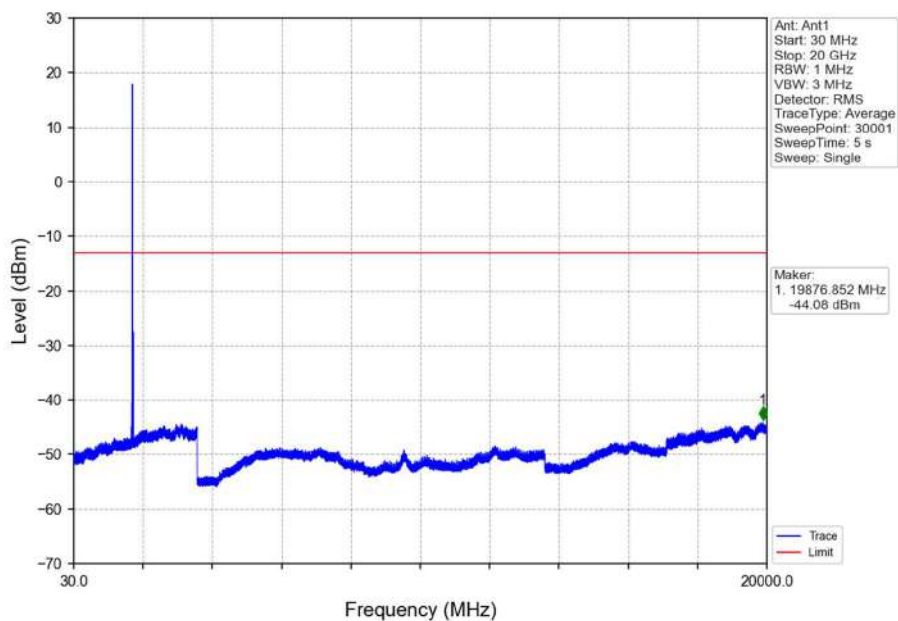
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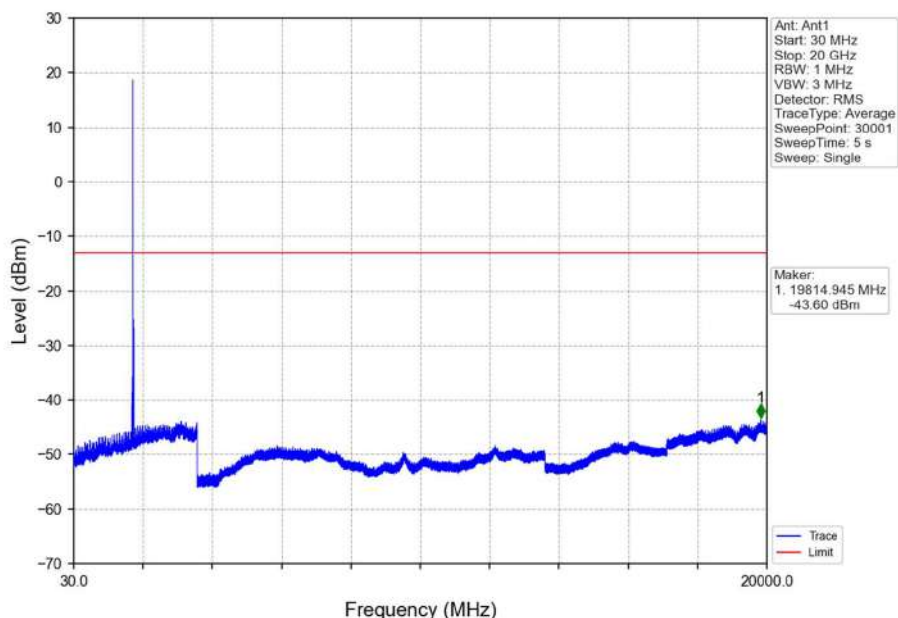
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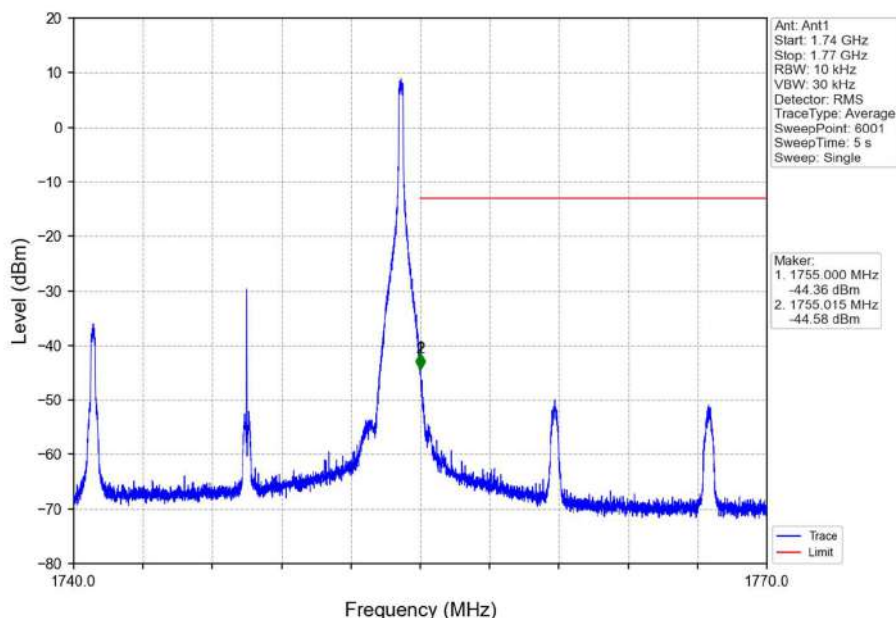
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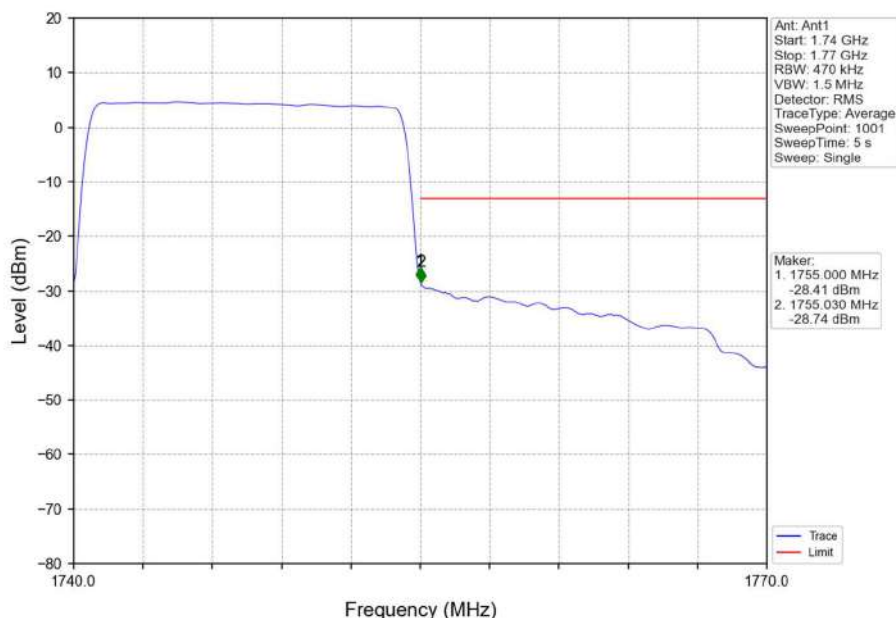
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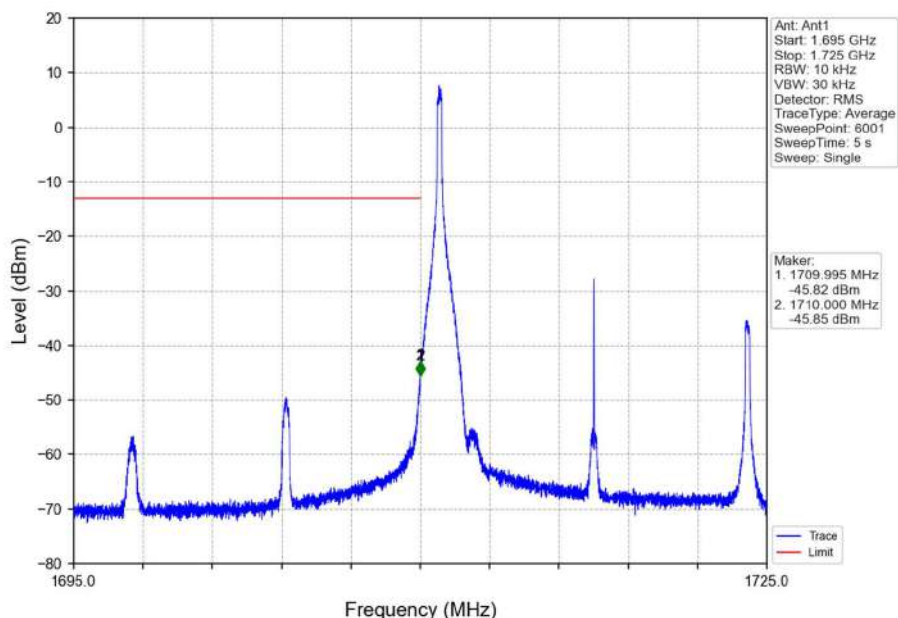
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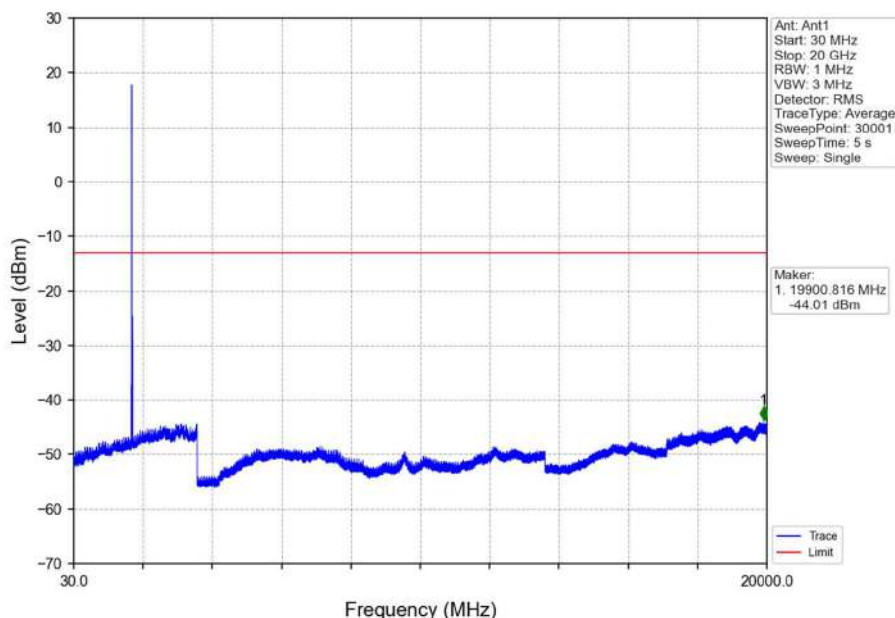
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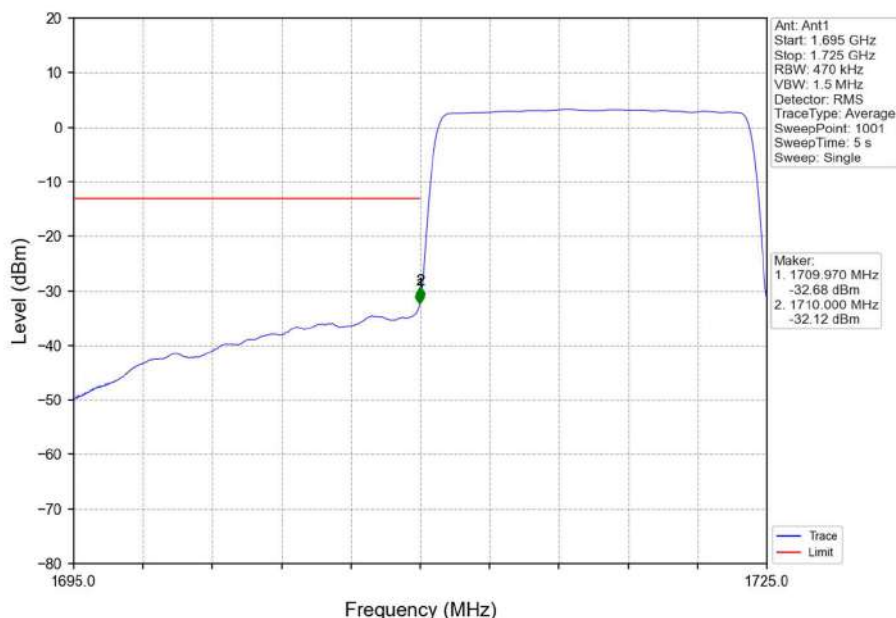
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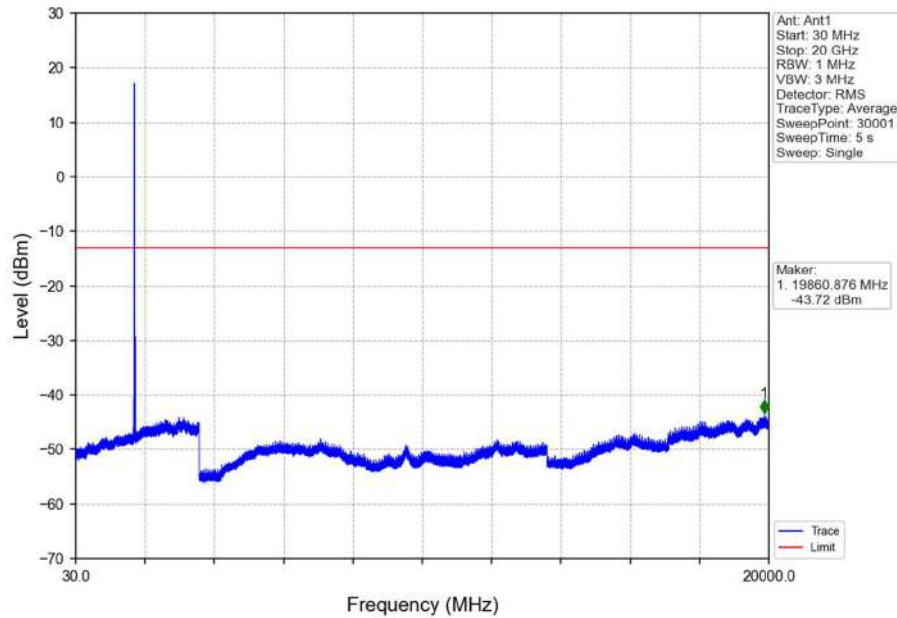
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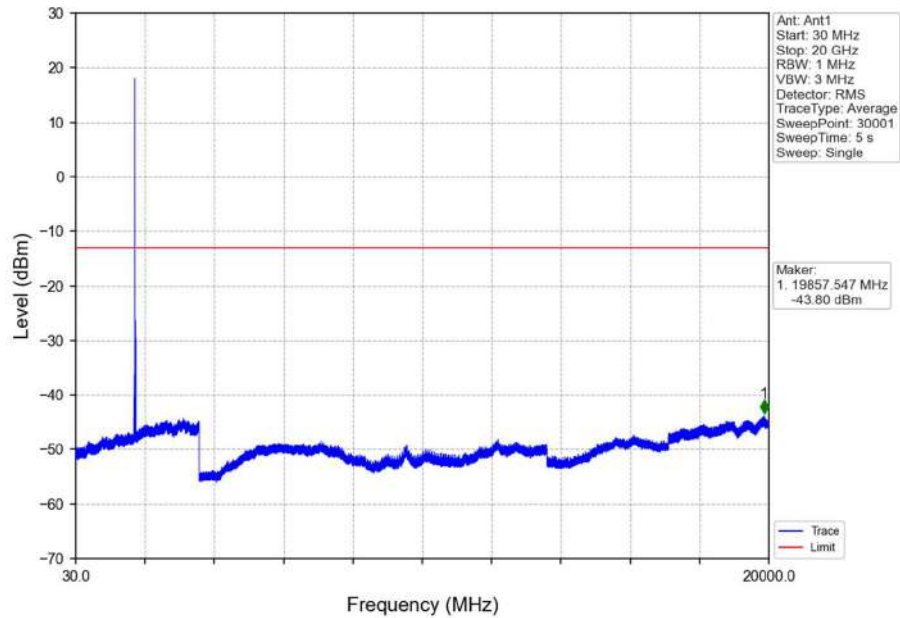
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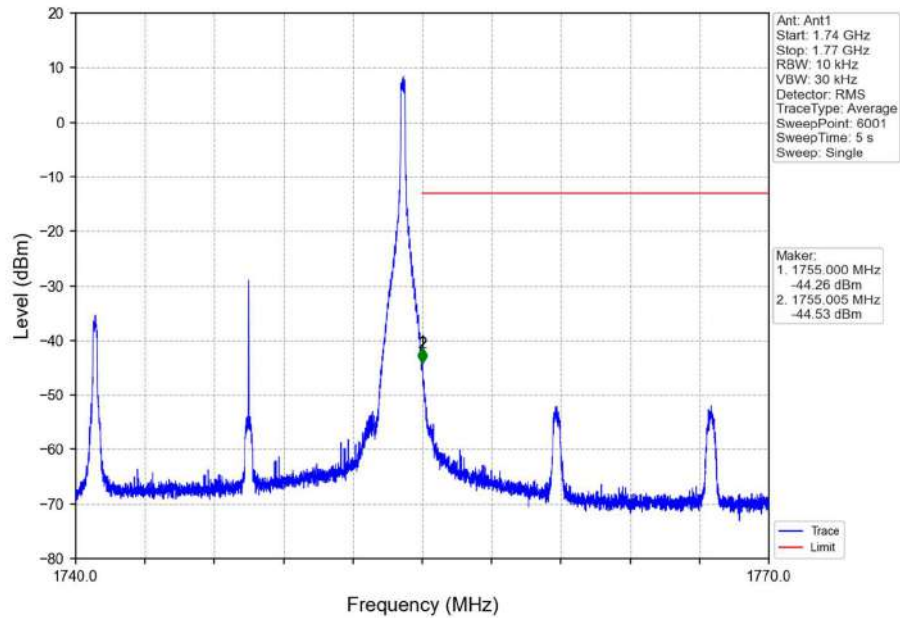
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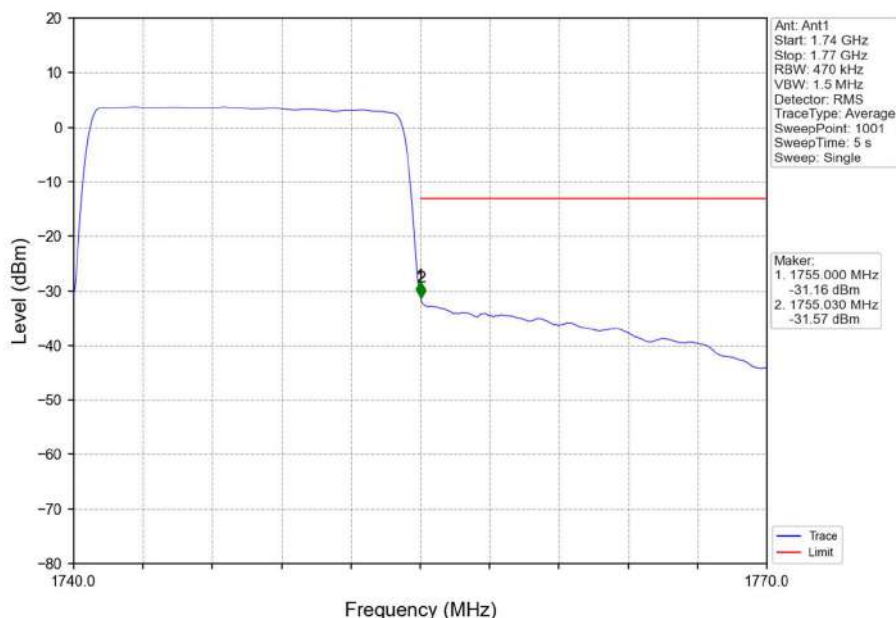
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6.6 B4_20MHz

6.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



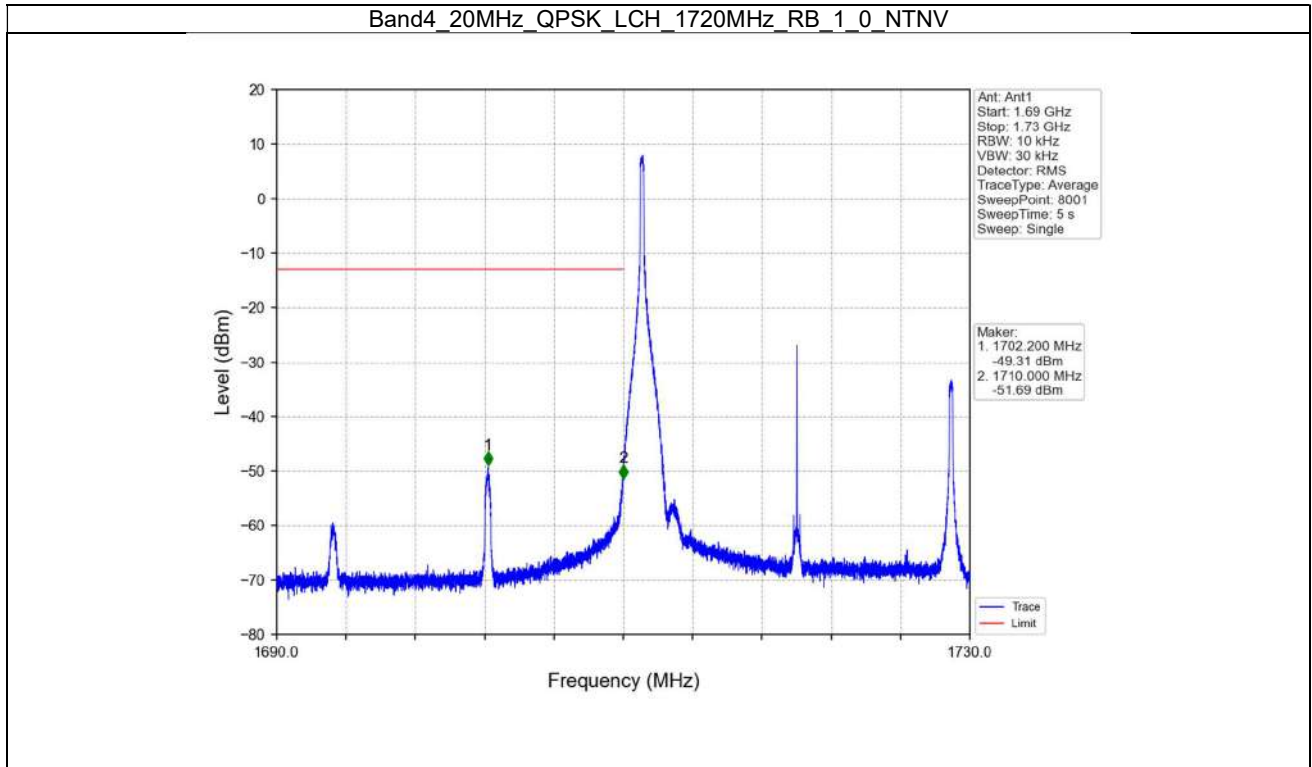
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6.6.2 Test Graph



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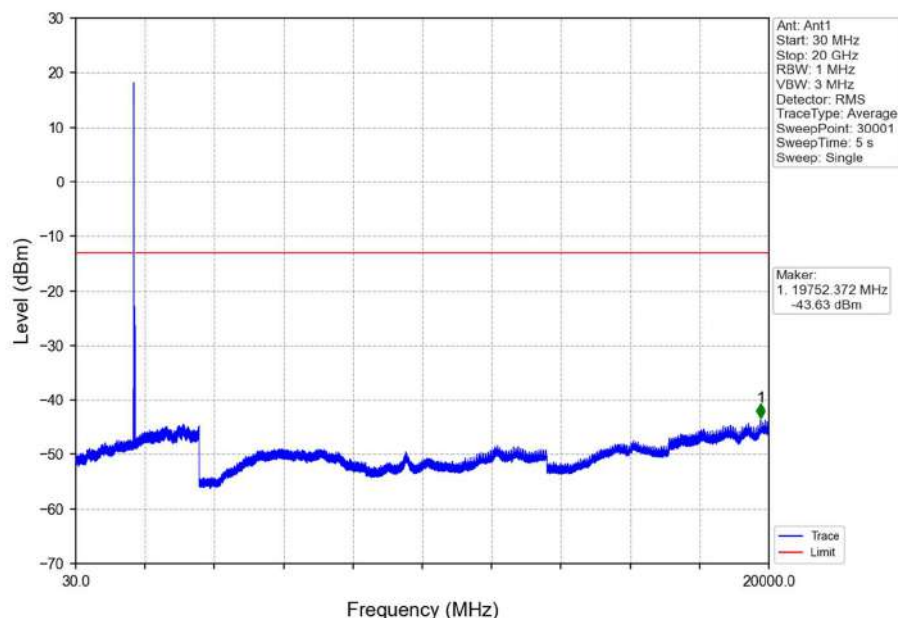
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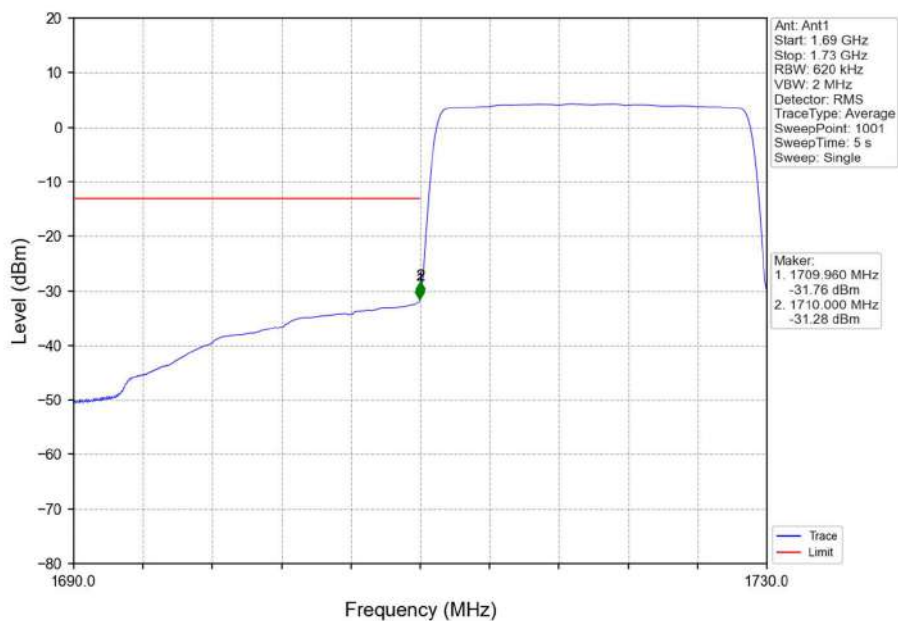
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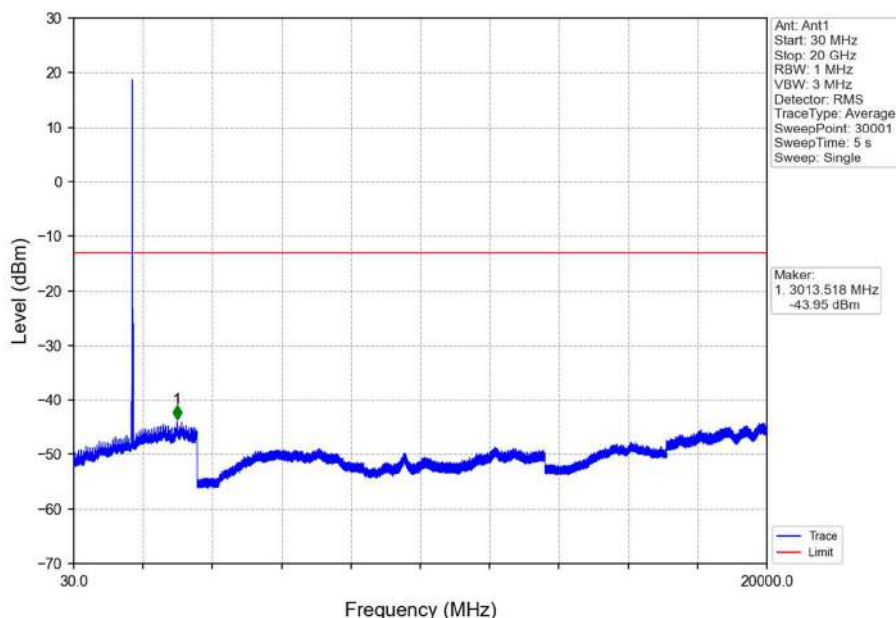
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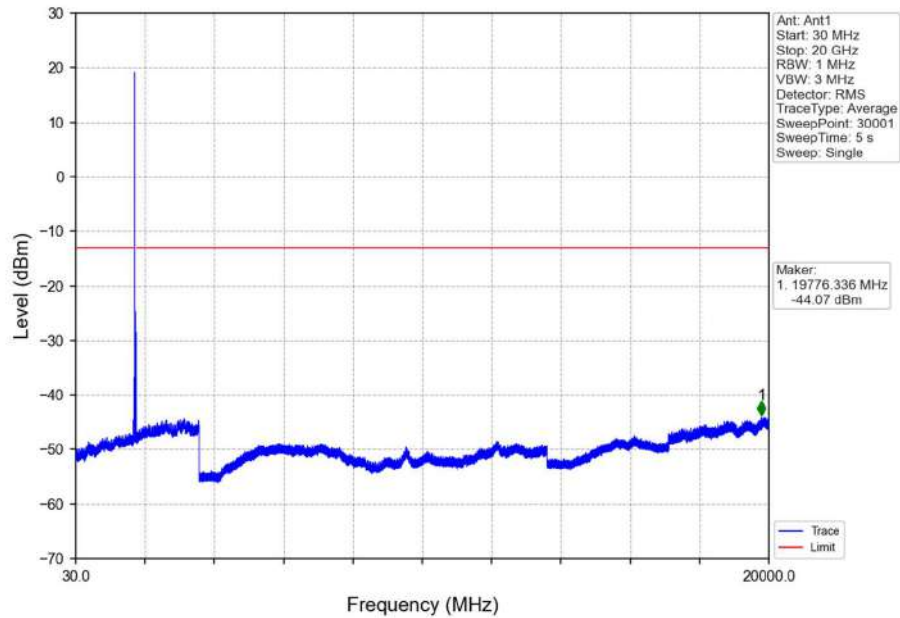
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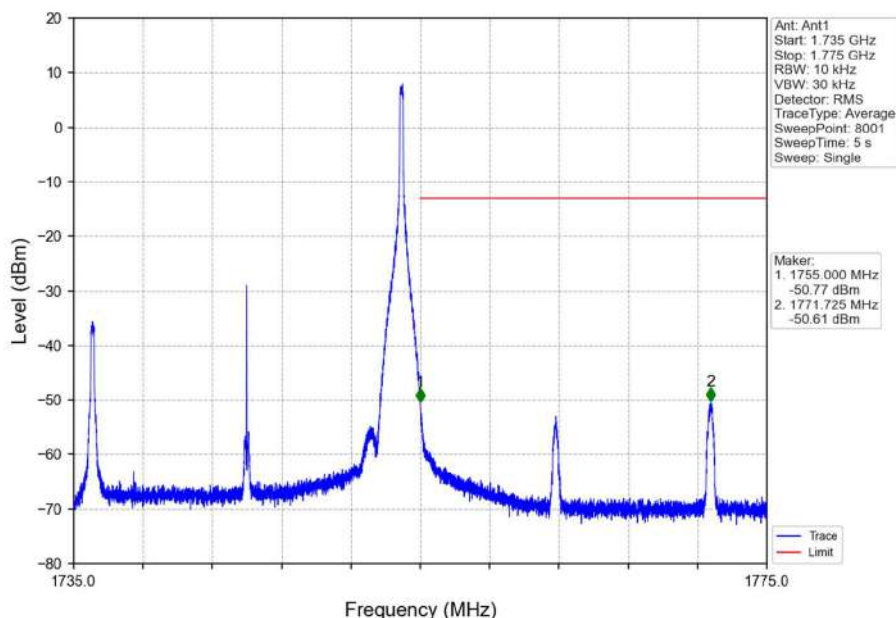
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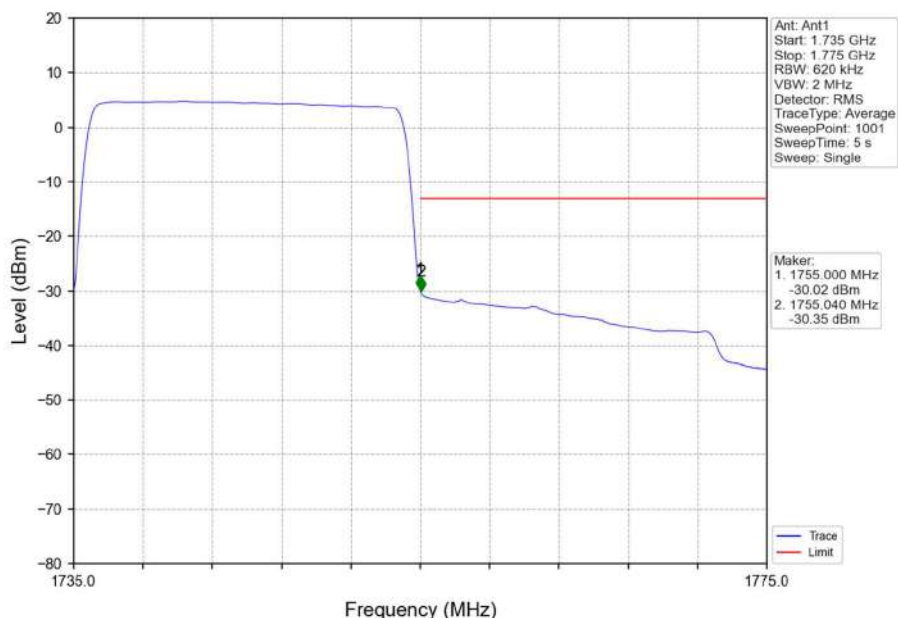
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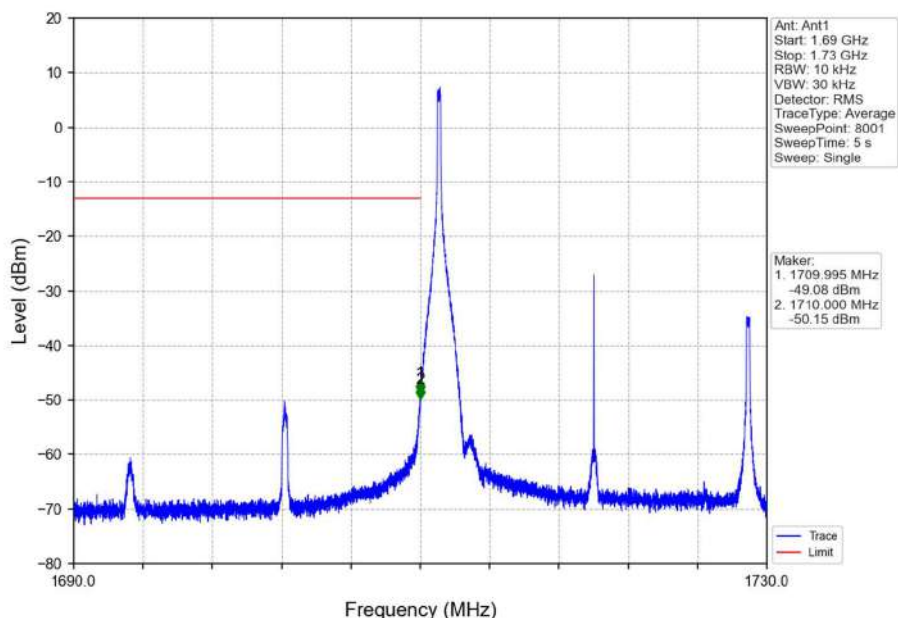
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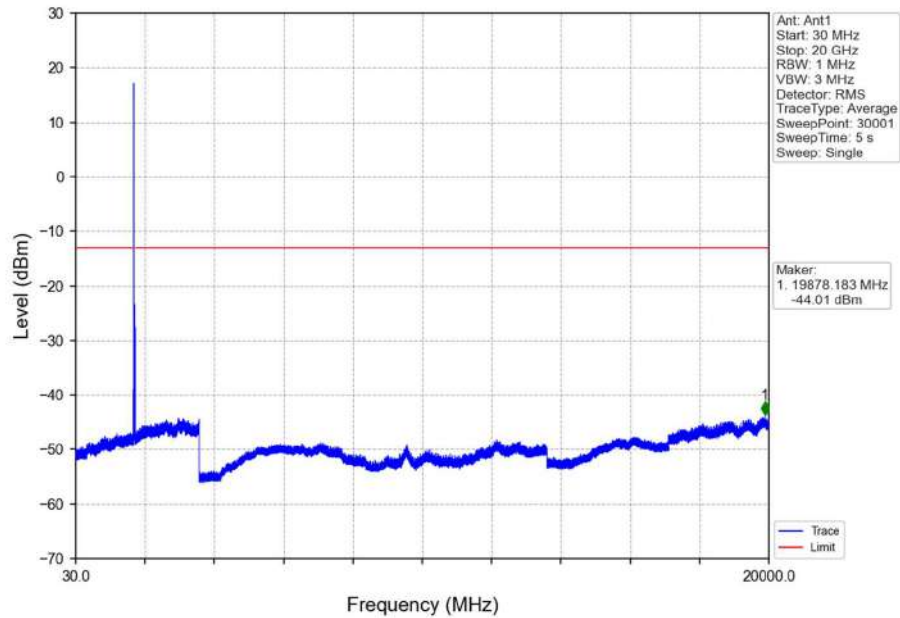
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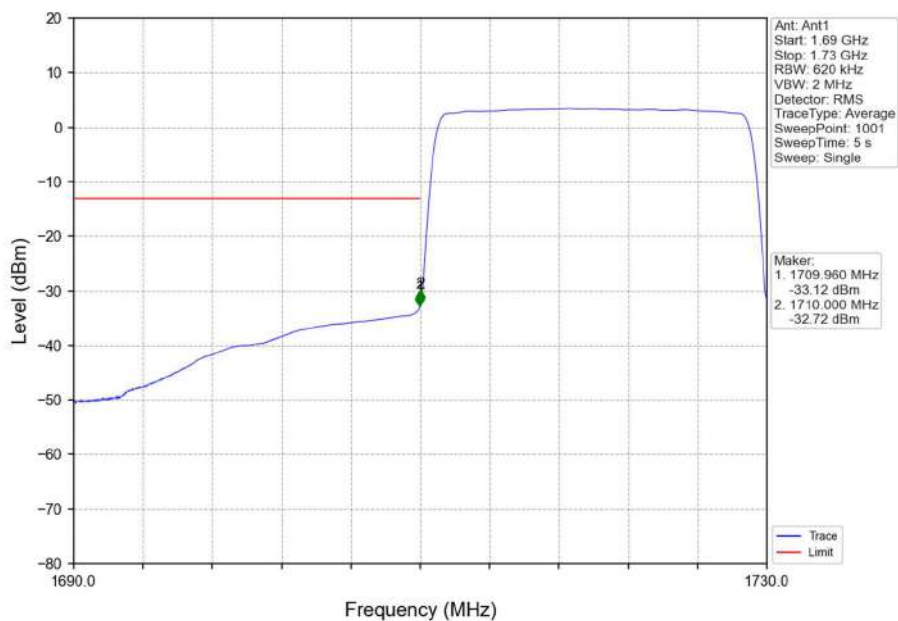
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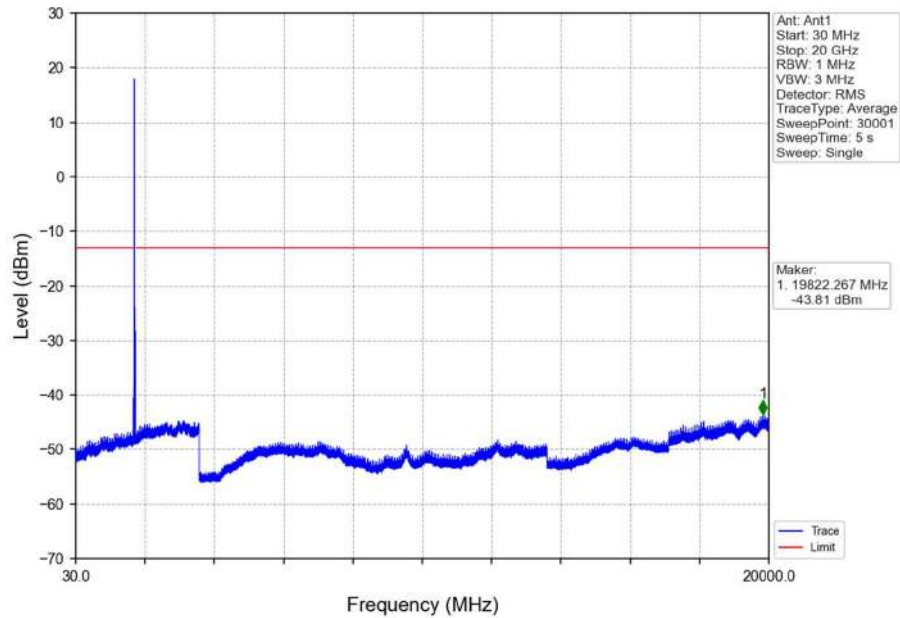
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Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



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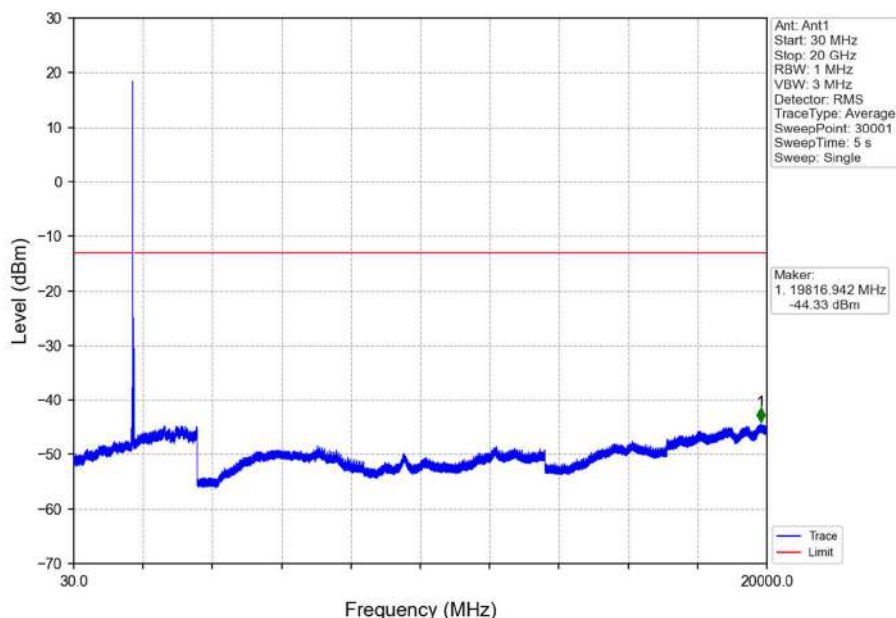
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Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



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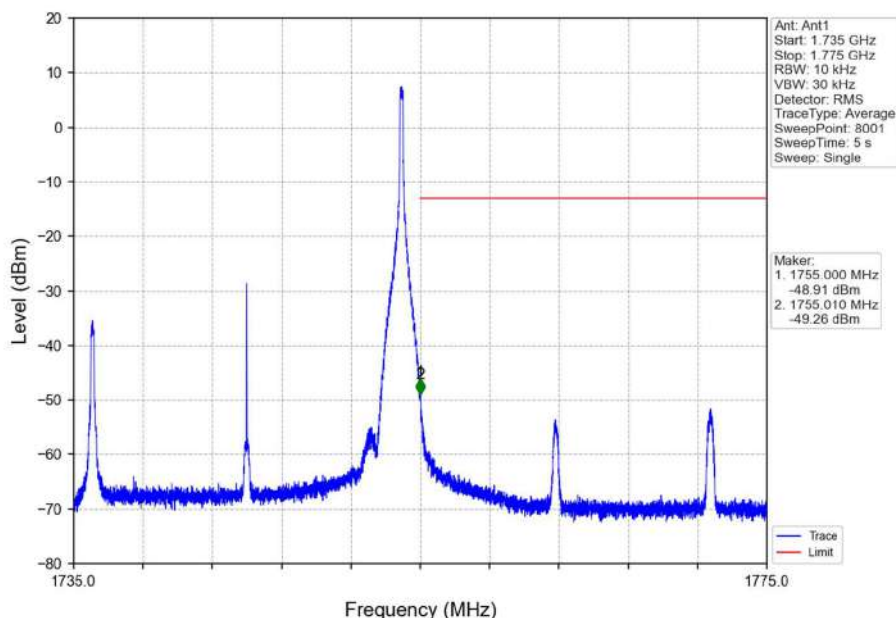
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Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



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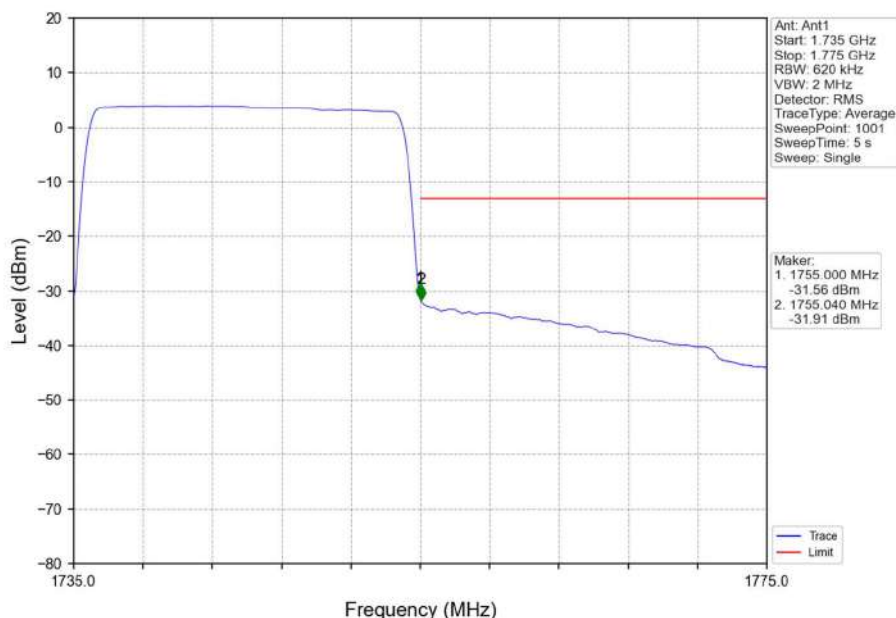
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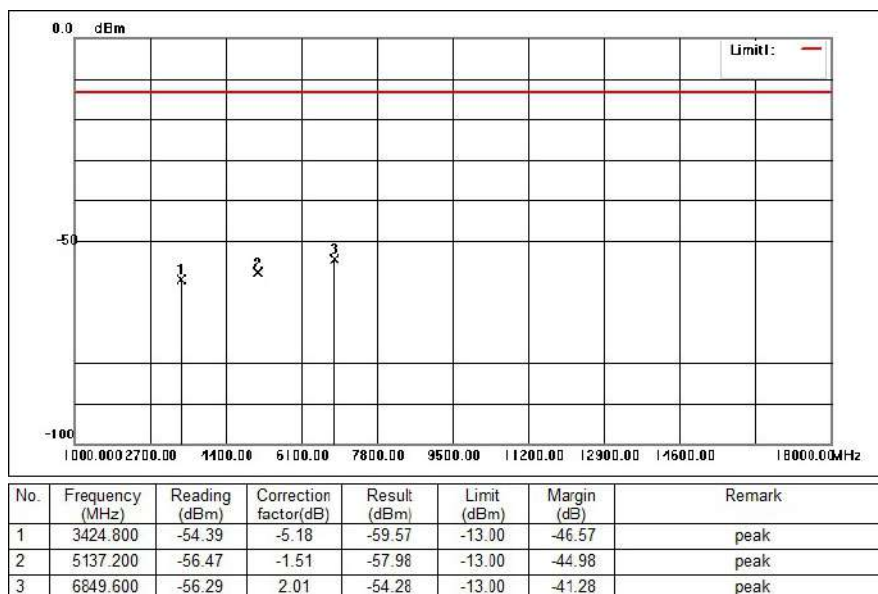


7. Field Strength of Spurious Radiation

Up Antenna

LTE BAND 4-20MHz-Low channel

Polarization: H



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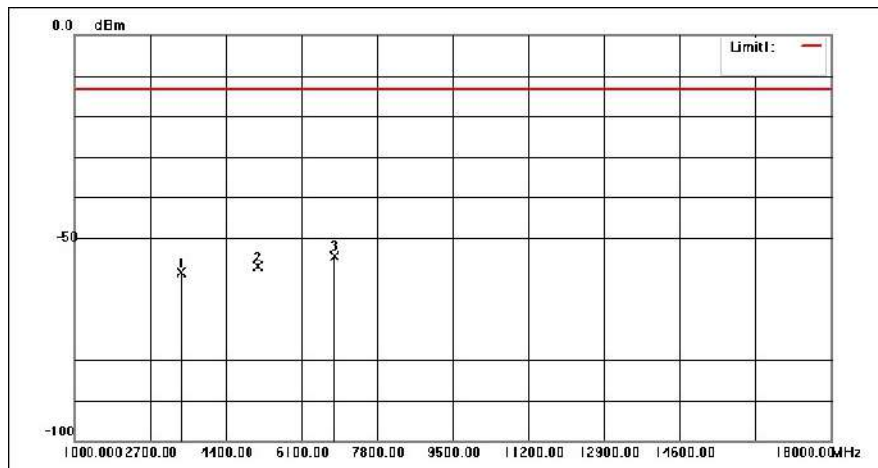
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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3424.800	-53.45	-5.18	-58.63	-13.00	-45.63	peak
2	5137.200	-55.70	-1.51	-57.21	-13.00	-44.21	peak
3	6649.600	-56.46	2.01	-54.45	-13.00	-41.45	peak



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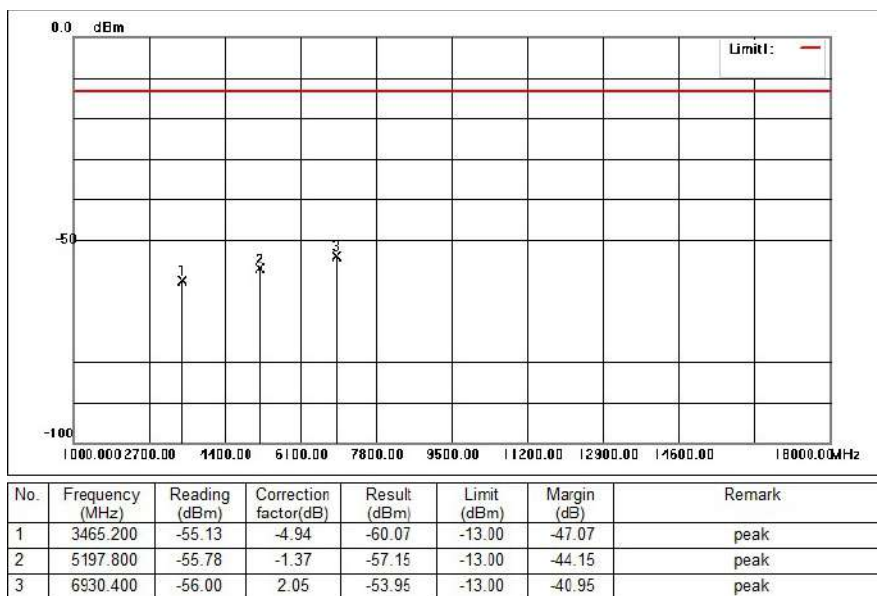
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LTE BAND 4-20MHz-Middle channel

Polarization: H

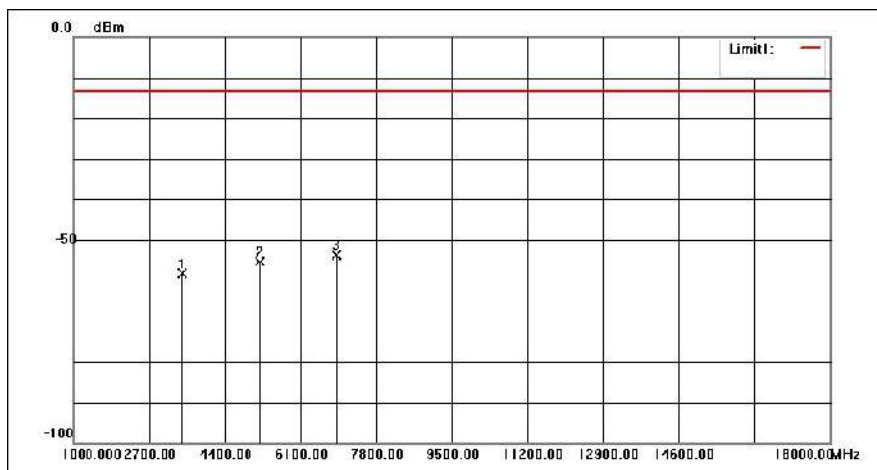


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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3465.200	-53.54	-4.94	-58.48	-13.00	-45.48	peak
2	5197.800	-54.08	-1.37	-55.45	-13.00	-42.45	peak
3	6930.400	-55.57	2.05	-53.52	-13.00	-40.52	peak



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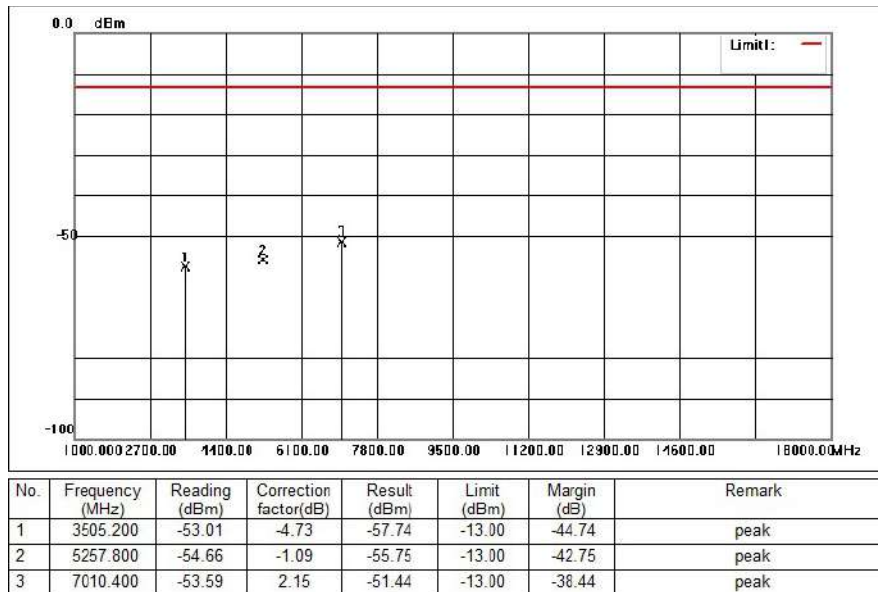
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LTE BAND 4-20MHz-High channel

Polarization: H

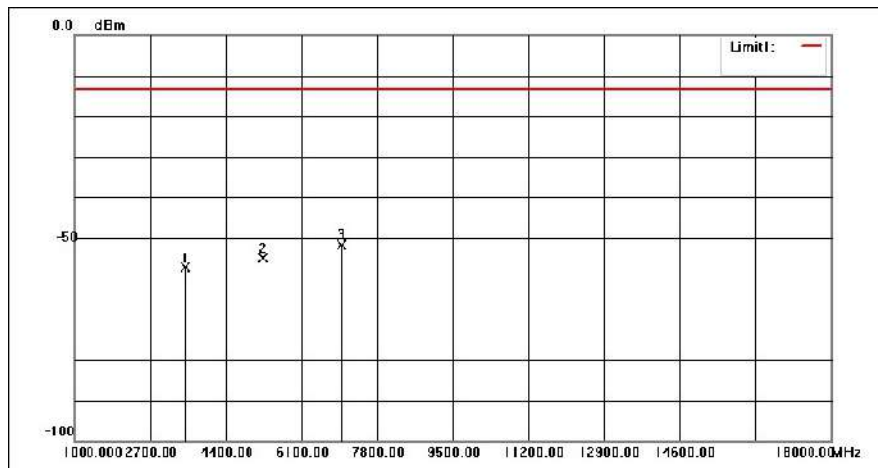


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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3505.200	-52.52	-4.73	-57.25	-13.00	-44.25	peak
2	5257.800	-53.67	-1.09	-54.76	-13.00	-41.76	peak
3	7010.400	-53.65	2.15	-51.50	-13.00	-38.50	peak



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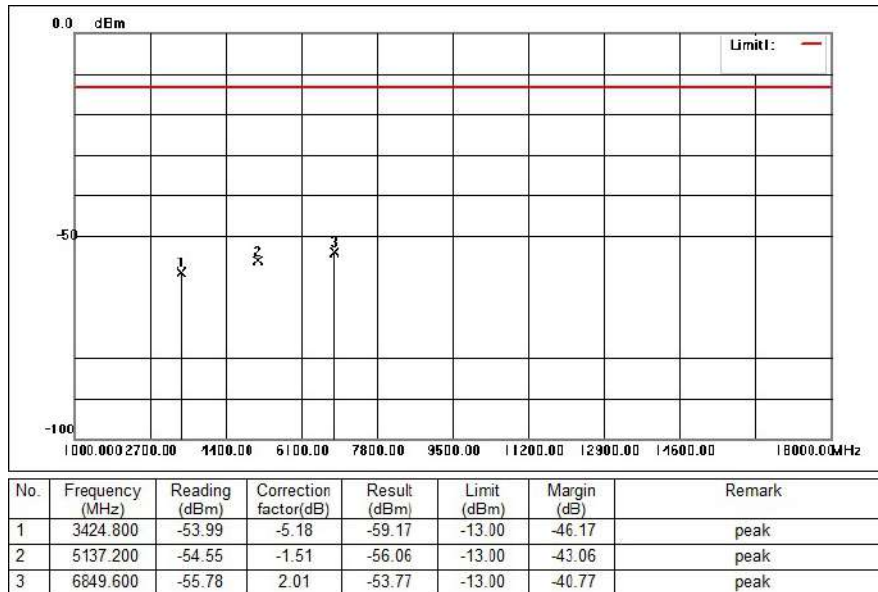
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Down Antenna

LTE BAND 4-20MHz-Low channel

Polarization: H



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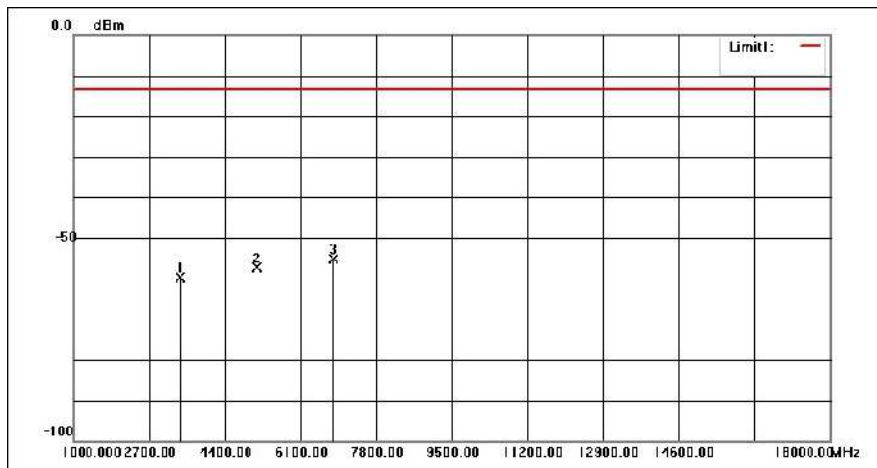
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Polarization: V



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1	3424.800	-54.66	-5.18	-59.84	-13.00	-46.84	peak
2	5137.200	-55.76	-1.51	-57.27	-13.00	-44.27	peak
3	6649.600	-57.18	2.01	-55.17	-13.00	-42.17	peak



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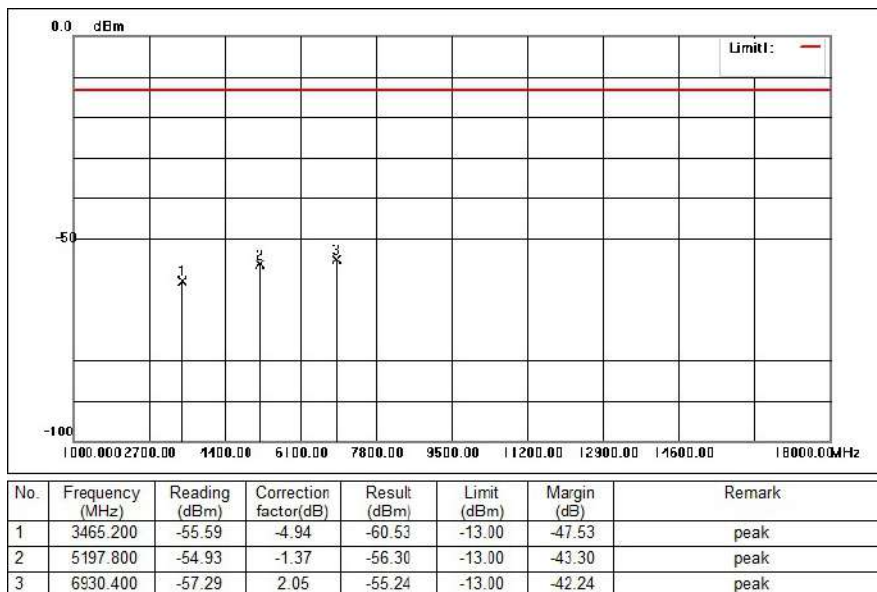
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LTE BAND 4-20MHz-Middle channel

Polarization: H

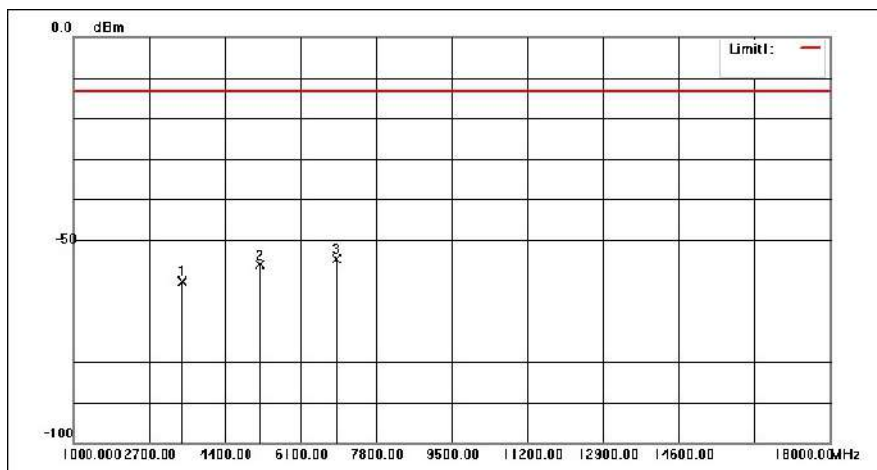


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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3465.200	-55.42	-4.94	-60.36	-13.00	-47.36	peak
2	5197.800	-54.70	-1.37	-56.07	-13.00	-43.07	peak
3	6930.400	-56.56	2.05	-54.51	-13.00	-41.51	peak



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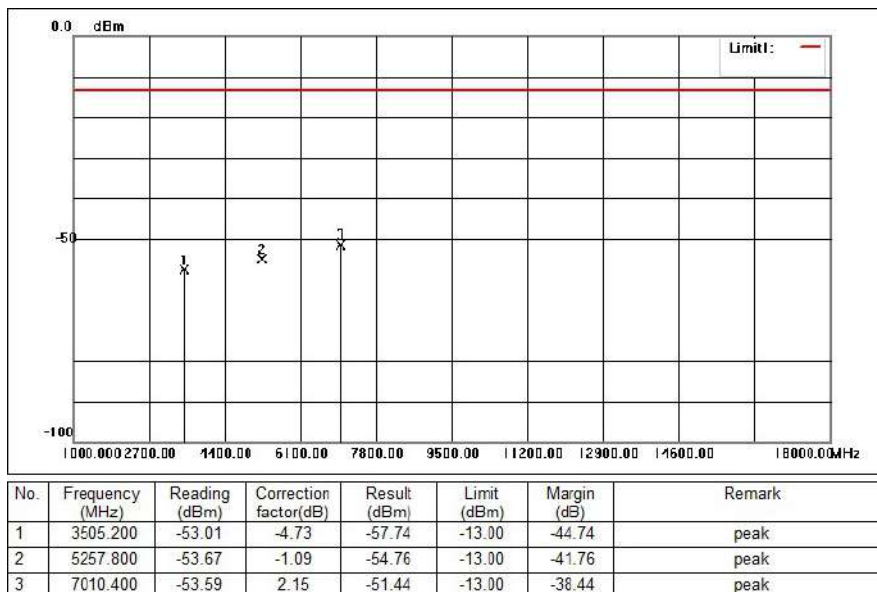
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LTE BAND 4-20MHz-High channel

Polarization: H

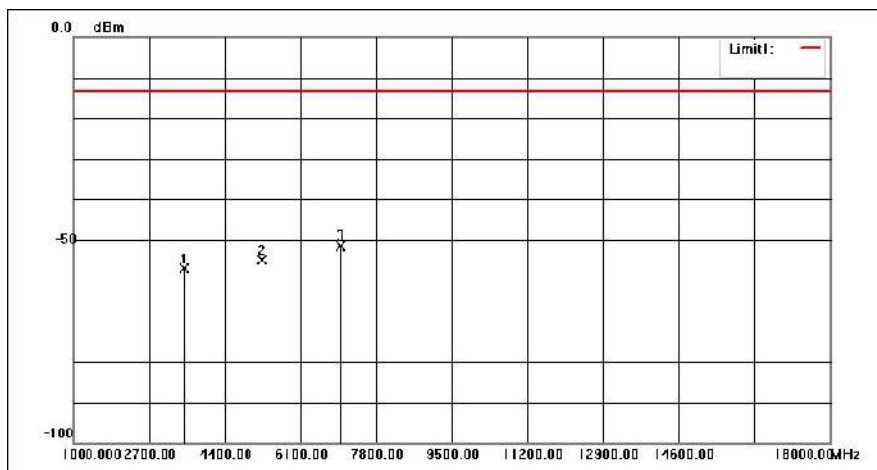


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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3505.200	-52.41	-4.73	-57.14	-13.00	-44.14	peak
2	5257.800	-53.67	-1.09	-54.76	-13.00	-41.76	peak
3	7010.400	-53.59	2.15	-51.44	-13.00	-38.44	peak

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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