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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 /	NTNV			
Modulation	Frequency	RB All	ocation	Power	Gain	EIRP	(dBm)	Verdict
Modulation	(MHz)	Size	Offset	(dBm)	(dbi)	Result	Limit	verdict
			0	22.95	-1.00	21.95	<=30	Pass
		1	2	22.51	-1.00	21.51	<=30	Pass
			5	22.53	-1.00	21.53	<=30	Pass
	1710.7		0	22.44	-1.00	21.44	<=30	Pass
		3	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
		1	2	22.79	-1.00	21.79	<=30	Pass
			5	22.59	-1.00	21.59	<=30	Pass
QPSK	1732.5		0	22.90	-1.00	21.90	<=30	Pass
		3	2	22.75	-1.00	21.75	<=30	Pass
			3	22.66	-1.00	21.66	<=30	Pass
		6	0	21.64	-1.00	20.64	<=30	Pass
			0	23.14	-1.00	22.14	<=30	Pass
		1	2	23.11	-1.00	22.11	<=30	Pass
			5	23.04	-1.00	22.04	<=30	Pass
	1754.3		0	22.90	-1.00	21.90	<=30	Pass
		3	2	23.03	-1.00	22.03	<=30	Pass
			3	22.98	-1.00	21.98	<=30	Pass
		6	0	21.93	-1.00	20.93	<=30	Pass
			0	21.32	-1.00	20.32	<=30	Pass
		1	2	21.23	-1.00	20.23	<=30	Pass
			5	21.38	-1.00	20.38	<=30	Pass
	1710.7		0	21.37	-1.00	20.37	<=30	Pass
		3	2	21.43	-1.00	20.43	<=30	Pass
			3	21.39	-1.00	20.39	<=30	Pass
100011		6	0	20.17	-1.00	19.17	<=30 <=30 <=30 <=30 <=30 <=30 <=30 <=30	Pass
16QAM			0	21.88	-1.00	20.88	<=30	Pass
		1	2	21.82	-1.00	20.82	<=30	Pass
			5	21.80	-1.00	20.80	<=30	Pass
	1732.5		0	21.64	-1.00	20.64	<=30	Pass
		3	2	21.81	-1.00	20.81	Limit <=30 <=30 <=30 <=30 <=30 <=30 <=30 <=30	Pass
			3	21.68	-1.00	20.68	<=30	Pass
		6	0	20.71	-1.00	19.71	<=30	Pass



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	1754.3		0	22.09	-1.00	21.09	<=30	Pass	
		1	2	22.10	-1.00	21.10	<=30	Pass	
			5	22.14	-1.00	21.14	<=30	Pass	
			0	22.28	-1.00	21.28	<=30	Pass	
		3	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: EIF	Note1: EIRP=Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

			Band: 4	l / Bandwidth: 3MHz /	NTNV			
Modulation	Frequency	RB All	ocation	Power	Gain	EIRP	(dBm)	Verdict
wodulation	(MHz)	Size	Offset	(dBm)	(dbi)	Result	Limit	verdict
			0	22.93	-1.00	21.93	<=30	Pass
		1	7	22.62 -1.00 21.62 <=30	<=30	Pass		
			14	22.53	-1.00	21.53	<=30	Pass
	1711.5		0	21.59	-1.00	20.59	<=30	Pass
		8	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
			0	22.73	-1.00	21.73	<=30	Pass
		1	7	22.75	-1.00	21.75	<=30	Pass
			14	22.74	-1.00	21.74	<=30	Pass
QPSK	1732.5		0	21.84	-1.00	20.84	<=30	Pass
		8	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
			0	22.74	-1.00	21.74	<=30	Pass
		1	7	22.83	-1.00	21.83	<=30	Pass
			14	22.82	-1.00	21.82	<=30	Pass
	1753.5		0	21.94	-1.00	20.94	<=30	Pass
		8	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
			0	21.49	-1.00	20.49	<=30	Pass
		1	7		-1.00	20.39	<=30	Pass
			14	21.34	-1.00	20.34	<=30	Pass
	1711.5		0	20.50	-1.00	19.50	<=30	Pass
		8	4	20.52	-1.00	19.52	<=30	Pass
16QAM			7	20.43	-1.00	19.43	<=30	Pass
		15	0	20.49	-1.00	19.49	<=30	Pass
			0	21.95	-1.00	20.95	<=30	Pass
	1722 5	1	7	22.02	-1.00	21.02	<=30	Pass
	1732.5		14	21.91	-1.00	20.91	<=30	Pass
		8	0	20.84	-1.00	19.84	<=30	Pass



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

1.3 B4_5MHz_EIRP

1.3.1 Test Result

			Band: 4	/ Bandwidth: 5MHz /	NTNV			
Modulation	Frequency		ocation	Power	Gain	EIRP	(dBm)	Verdict
viodulation	(MHz)	Size	Offset	(dBm)	(dbi)	Result	Limit	verdict
			0	22.88	-1.00	21.88	<=30	Pass
		1	13	22.60	-1.00	21.60	<=30	Pass
			24	22.35	-1.00	21.35	<=30	Pass
	1712.5		0	21.69	-1.00	20.69	<=30	Pass
		12	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
		1	13	22.82	-1.00	21.82	<=30	Pass
			24	22.64	-1.00	21.64	<=30	Pass
QPSK	1732.5		0	21.92	-1.00	20.92	<=30	Pass
		12	6	21.87	-1.00	20.87	<=30	Pass
			13	21.85	-1.00	20.85	<=30	Pass
		25	0	21.91	-1.00	20.91	<=30	Pass
			0	22.88	-1.00	21.88	<=30	Pass
		1	13	22.98	-1.00	21.98	<=30	Pass
			24	22.75	-1.00	21.75	<=30	Pass
	1752.5		0	22.01	-1.00	21.01	<=30	Pass
		12	6	21.90	-1.00	20.90	<=30	Pass
			13	21.94	-1.00	20.94	<=30	Pass
		25	0	21.94	-1.00	20.94	<=30	Pass
	_		0	21.62	-1.00	20.62	<=30	Pass
		1	13	21.44	-1.00	20.44	<=30	Pass
16QAM	1712.5		24	21.35	-1.00	20.35	<=30	Pass
IOQAM	17 12.5	•	0	20.49	-1.00	19.49	<=30	Pass
		12	6	20.40	-1.00	19.40	<=30	Pass
			13	20.38	-1.00	19.38	<=30	Pass



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

1.4 B4_10MHz_EIRP

1.4.1 Test Result

			Band: 4	/ Bandwidth: 10MHz /	NTNV			
Modulation	Frequency	RB All	ocation	Power	Gain	EIRP	(dBm)	Verdict
Modulation	(MHz)	Size	Offset	(dBm)	(dbi)	Result	Limit	verdict
			0	22.94	-1.00	21.94	<=30	Pass
		1	25	22.73	-1.00	21.73	<=30	Pass
			49	22.47	-1.00	21.47	<=30	Pass
	1715		0	21.63	-1.00	20.63	<=30	Pass
		25	13	21.65	-1.00	20.65	<=30	Pass
			25	21.69	-1.00	20.69	<=30	Pass
		50	0	21.60	-1.00	20.60	<=30	Pass
			0	22.79	-1.00	21.79	<=30	Pass
		1	25	22.88	-1.00	21.88	<=30	Pass
			49	22.39	-1.00	21.39	<=30	Pass
QPSK	1732.5		0	21.92	-1.00	20.92	<=30	Pass
		25	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
			0	22.80	-1.00	21.80	<=30	Pass
		1	25	23.10	-1.00	22.10	<=30	Pass
			49	22.81	-1.00	21.81	<=30	Pass
	1750		0	21.97	-1.00	20.97	<=30	Pass
		25	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	20.49	<=30	Pass
			0	20.55	-1.00	19.55	<=30	Pass
		25	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
			0	22.05	-1.00	21.05	<=30	Pass
		1	25	21.95	-1.00	20.95	<=30	Pass
			49	21.54	-1.00	20.54	<=30	Pass
	1732.5		0	20.87	-1.00	19.87	<=30	Pass
		25	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
			0	22.52	-1.00	21.52	<=30	Pass
		1	25	22.51	-1.00	21.51	<=30	Pass
			49	21.95	-1.00	20.95	<=30	Pass
	1750		0	21.01	-1.00	20.01	<=30	Pass
	25	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: EIR	P=Power+Ante	nna Gain			•			

1.5 B4_15MHz_EIRP

1.5.1 Test Result

			Band: 4	/ Bandwidth: 15MHz /	NTNV				
Modulation	Frequency	RB All	ocation	Power	Gain	EIRP (dBm)		Verdict	
viodulation	(MHz)	Size	Offset	(dBm)	(dbi)	Result	Limit	verdict	
			0	22.41	-1.00	21.41	<=30	Pass	
		1	38	22.44	-1.00	21.44	<=30	Pass	
			74	22.27	-1.00	21.27	<=30	Pass	
	1717.5		0	21.33	-1.00	20.33	<=30	Pass	
		36	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	
			0	22.34	-1.00	21.34	<=30	Pass	
QPSK		1	38	22.60	-1.00	21.60	<=30	Pass	
			74	22.54	-1.00	21.54	<=30	Pass	
	1732.5		0	21.42	-1.00	20.42	<=30	Pass	
		36	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	
			0	22.36	-1.00	21.36	<=30	Pass	
	1747.5	1	38	22.86	-1.00	21.86	<=30	Pass	
	1747.5	1747.3	' F	74	22.85	-1.00	21.85	<=30	Pass



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			0	21.62	-1.00	20.62	<=30	Pass
		36	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
			0	21.17	-1.00	20.17	<=30	Pass
		1	38	21.61	-1.00	20.61	<=30	Pass
			74	21.32	-1.00	20.32	<=30	Pass
	1717.5		0	20.11	-1.00	19.11	<=30	Pass
		36	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
			0	21.27	-1.00	20.27	<=30	Pass
		1	38	21.59	-1.00	20.59	<=30	Pass
			74	21.58	-1.00	20.58	<=30	Pass
16QAM	1732.5		0	20.35	-1.00	19.35	<=30	Pass
		36	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
			0	21.94	-1.00	20.94	<=30	Pass
		1	38	22.25	-1.00	21.25	<=30	Pass
			74	22.04	-1.00	21.04	<=30	Pass
	1747.5		0	20.64	-1.00	19.64	<=30	Pass
		36	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

1.6 B4_20MHz_EIRP

1.6.1 Test Result

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



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			50	21.44	-1.00	20.44	<=30	Pass
		100	0	21.53	-1.00	20.53	<=30	Pass
			0	22.69	-1.00	21.69	<=30	Pass
		1	50	22.80	-1.00	21.80	<=30	Pass
			99	22.49	-1.00	21.49	<=30	Pass
	1745		0	21.78	-1.00	20.78	<=30	Pass
		50	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
			0	21.79	-1.00	20.79	<=30	Pass
		1	50	21.80	-1.00	20.80	<=30	Pass
			99	21.41	-1.00	20.41	<=30	Pass
	1720		0	20.37	-1.00	19.37	<=30	Pass
		50	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
			0	21.75	-1.00	20.75	<=30	Pass
		1	50	21.83	-1.00	20.83	<=30	Pass
			99	21.48	-1.00	20.48	<=30	Pass
16QAM	1732.5		0	20.66	-1.00	19.66	<=30	Pass
		50	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
			0	21.98	-1.00	20.98	<=30	Pass
		1	50	21.99	-1.00	20.99	<=30	Pass
			99	21.62	-1.00	20.62	<=30	Pass
	1745		0	20.79	-1.00	19.79	<=30	Pass
		50	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: EIR	P=Power+Ante	nna Gain		·				<u> </u>
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	·				

Remark1:

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 B4_1.4MHz

2.1.1 Test Result

				Band: 4	/ Bandwidt	h: 1.4MHz			
Modulation	Frequency	RB All	ocation	Temp.	Voltage	Freq. Error	Freq. vs. F	Rated (ppm)	Verdict
Modulation	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	Verdict
					3.27	-5.35	-0.00	-2.5 to 2.5	Pass
				20	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
	1710.7	6	0	-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
					3.27	11.47	0.01	-2.5 to 2.5	Pass
				20	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
QPSK	1732.5	6	0	-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
					3.27	-2.36	-0.00	-2.5 to 2.5	Pass
				20	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
	1754.3	6	0	-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
160014	1710.7	6	0	20	3.27	-1.56	-0.00	-2.5 to 2.5	Pass
16QAM	1710.7	Ö	0	20	3.85	-1.36	-0.00	-2.5 to 2.5	Pass



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					4.43	-0.59	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.90	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.99	-0.00	-2.5 to 2.5	Pass
				-10	3.85	0.01	0.00	-2.5 to 2.5	Pass
				0	3.85	-0.19	-0.00	-2.5 to 2.5	Pass
				10	3.85	-0.79	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.24	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.03	0.00	-2.5 to 2.5	Pass
				50	3.85	-2.03	-0.00	-2.5 to 2.5	Pass
1					3.27	-2.02	-0.00	-2.5 to 2.5	Pass
				20	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
	1732.5	6	0	-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
					3.27	-2.12	-0.00	-2.5 to 2.5	Pass
				20	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
	1754.3 6	0	-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	RB All	ocation	Temp.	Voltage	Freq. Error	Freq. vs. F	Rated (ppm)	Verdict				
Modulation	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	verdict				
					3.27	2.25	0.00	-2.5 to 2.5	Pass				
				20	3.85	3.06	0.00	-2.5 to 2.5	Pass				
					4.43	1.70	0.00	-2.5 to 2.5	Pass				
QPSK	1711.5	15	0	-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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				10	3.85	0.86	0.00	-2.5 to 2.5	Pass
				30		2.98	0.00		Pass
				40	3.85 3.85	2.32	0.00	-2.5 to 2.5 -2.5 to 2.5	Pass
				50	3.85	3.73	0.00	-2.5 to 2.5	Pass
 				30					
				20	3.27	0.46	0.00	-2.5 to 2.5	Pass
				20	3.85	0.30	0.00	-2.5 to 2.5	Pass
				20	4.43	2.09	0.00	-2.5 to 2.5	Pass
				-30 -20	3.85	3.06	0.00	-2.5 to 2.5	Pass
	1732.5	15	0	-10	3.85	1.36 2.72	0.00	-2.5 to 2.5	Pass
	1732.5	15	0		3.85			-2.5 to 2.5	Pass
				0	3.85	1.96 1.24	0.00	-2.5 to 2.5	Pass
				10	3.85		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
				200	3.27	3.43	0.00	-2.5 to 2.5	Pass
				20	3.85	4.26	0.00	-2.5 to 2.5	Pass
				20	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
	4750.5	4.5		-20	3.85	4.02	0.00	-2.5 to 2.5	Pass
	1753.5	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
					3.27	1.26	0.00	-2.5 to 2.5	Pass
				20	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
				-20	3.85	1.22	0.00	-2.5 to 2.5	Pass
	1711.5	15	0	-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
16QAM				50	3.85	0.39	0.00	-2.5 to 2.5	Pass
					3.27	2.43	0.00	-2.5 to 2.5	Pass
				20	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
	4705 -	4-	_	-20	3.85	3.45	0.00	-2.5 to 2.5	Pass
	1732.5	15	0	-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
1				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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				3.27	0.16	0.00	-2.5 to 2.5	Pass
			20	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
1753.5	15	0	-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 / Bandwid	th: 5MHz			
Modulation	Frequency	RB All	ocation	Temp.	Voltage	Freq. Error	Freq. vs. F	Rated (ppm)	Verdict
iviodulation	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	verdict
					3.27	3.68	0.00	-2.5 to 2.5	Pass
				20	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
	1712.5	25	0	-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
				50	3.85	4.03	0.00	-2.5 to 2.5	Pass
					3.27	1.00	0.00	-2.5 to 2.5	Pass
				20	3.85	1.57	0.00	-2.5 to 2.5	Pass
QPSK					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
	1732.5	25	0	-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
				50	3.85	2.07	0.00	-2.5 to 2.5	Pass
]					3.27	-0.97	-0.00	-2.5 to 2.5	Pass
				20	3.85	-1.53	-0.00	-2.5 to 2.5	Pass
	1752.5	25	0		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
				30	3.03	3.95	0.00	-2.5 to 2.5	Pass
				20	3.85	4.03	0.00		Pass
				20	4.43		0.00	-2.5 to 2.5	
				20		4.33	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.82		-2.5 to 2.5	Pass
	4740.5	0.5		-20	3.85	2.78	0.00	-2.5 to 2.5	Pass
	1712.5	25	0	-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
					3.27	2.27	0.00	-2.5 to 2.5	Pass
				20	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
16QAM	1732.5	25	0	-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
					3.27	0.60	0.00	-2.5 to 2.5	Pass
				20	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
				40	3.85	-1.85	-0.00	-2.5 to 2.5	Pass
	1752.5	25	0	-10	0.00			2.0 10 2.0	rass
	1752.5	25	0	0	3.85	0.00	0.00		Pass
	1752.5	25	0					-2.5 to 2.5 -2.5 to 2.5	
	1752.5	25	0	0	3.85 3.85	0.00	0.00	-2.5 to 2.5 -2.5 to 2.5	Pass Pass
	1752.5	25	0	0 10	3.85	0.00 -3.12	0.00 -0.00	-2.5 to 2.5	Pass

2.4 B4 10MHz

2.4.1 Test Result

			Band: 4	/ Bandwidt	h: 10MHz		
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freg. Error	Freq. vs. Rated (ppm)	Verdict



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	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
	(1411 12)	CIZO	Onoot	(0)	3.27	-2.69	-0.00	-2.5 to 2.5	Pass
				20	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
	1715	50	0	-10	3.85	-2.26	-0.00	-2.5 to 2.5	Pass
	17 13	30		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
				30	3.27	-0.26	-0.00	-2.5 to 2.5	Pass
				20	3.85	0.00	0.00	-2.5 to 2.5	Pass
				20	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
QPSK	1732.5	50	0	-10	3.85	1.99	0.00	-2.5 to 2.5	Pass
QFSK	1732.5	30		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
}				30	3.03	2.56	0.00	-2.5 to 2.5	Pass
				20	3.85	1.85	0.00	-2.5 to 2.5	Pass
				20	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
	1750	50	0	-20 -10	3.85	3.18	0.00	-2.5 to 2.5	Pass
	1730	50	0	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 40	3.85	1.96 2.59	0.00	-2.5 to 2.5 -2.5 to 2.5	Pass
					3.85		0.00		Pass
				50	3.85	3.85 -1.87	0.00	-2.5 to 2.5 -2.5 to 2.5	Pass
				20			-0.00		Pass
				20	3.85 4.43	-1.93	-0.00	-2.5 to 2.5 -2.5 to 2.5	Pass
				-30	3.85	0.40 -1.56	-0.00		Pass
								-2.5 to 2.5	Pass
	1715	EO		-20	3.85	-0.50	-0.00	-2.5 to 2.5	Pass
	1715	50	0	-10	3.85	-1.82	-0.00	-2.5 to 2.5	Pass
16QAM				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
			1	50	3.85	-0.77	-0.00	-2.5 to 2.5	Pass
	4700 5	5 0		00	3.27	0.03	0.00	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.85	-0.77	-0.00	-2.5 to 2.5	Pass
			1		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
				3.27	1.43	0.00	-2.5 to 2.5	Pass
			20	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
1750	50	0	-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	/ Bandwidt	h: 15MHz			
Modulation	Frequency	RB All	ocation	Temp.	Voltage	Freq. Error	Freq. vs. F	Rated (ppm)	Verdict
viodulation	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	Verdict
					3.27	0.92	0.00	-2.5 to 2.5	Pass
				20	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
	1717.5	75	0	-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
QPSK				40	3.85	1.00	0.00	-2.5 to 2.5	Pass
				50	3.85	1.17	0.00	-2.5 to 2.5	Pass
					3.27	2.55	0.00	-2.5 to 2.5	Pass
				20	3.85	1.29	0.00	-2.5 to 2.5	Pass
					4.43	1.82	0.00	-2.5 to 2.5	Pass
	1732.5	75		-30	3.85	0.80	0.00	-2.5 to 2.5	Pass
	1/32.5	75	0	-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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				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
					3.27	2.03	0.00	-2.5 to 2.5	Pass
				20	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
	1747.5	75	0	-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
					3.27	0.26	0.00	-2.5 to 2.5	Pass
				20	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
	1717.5	75	0	-10	3.85	-0.53	-0.00	-2.5 to 2.5	Pass
	17 17.0	7.0		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
1				30	3.27	0.27	0.00	-2.5 to 2.5	Pass
				20	3.85	-0.40	-0.00	-2.5 to 2.5	Pass
				20	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	-0.09	0.00	-2.5 to 2.5	Pass
16QAM	1732.5	75	0	-10	3.85	0.19	0.00	-2.5 to 2.5	Pass
TOQAW	1732.5	7.5	0	0	3.85	0.63	0.00	-2.5 to 2.5	
				10	3.85	0.63	0.00	-2.5 to 2.5	Pass Pass
				30	3.85	0.57	0.00	-2.5 to 2.5	Pass
				40	3.85	-0.27	-0.00	-2.5 to 2.5	
				50	3.85	-0.2 <i>1</i> -0.06	0.00	-2.5 to 2.5	Pass Pass
1				50		-0.06 2.15	0.00	-2.5 to 2.5	Pass
				20	3.27 3.85	0.62	0.00		
				20				-2.5 to 2.5	Pass
				20	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
	4747 5	75		-20	3.85	0.64	0.00	-2.5 to 2.5	Pass
	1747.5	75	0	-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

					l / Bandwidt				
Modulation	Frequency		ocation	Temp.	Voltage	Freq. Error		Rated (ppm)	Verdict
Modulation	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
					3.27	0.96	0.00	-2.5 to 2.5	Pass
				20	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
	1720	100	0	-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
					3.27	1.77	0.00	-2.5 to 2.5	Pass
				20	3.85	1.54	0.00	-2.5 to 2.5	Pass
					4.43	1.62	0.00	-2.5 to 2.5	Pass
		100	0	-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
QPSK	1732.5			-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
				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
	1745	100	0	-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
					3.27	2.02	0.00	-2.5 to 2.5	Pass
				20	3.85	1.69	0.00	-2.5 to 2.5	Pass
					4.43	1.66	0.00	-2.5 to 2.5	Pass
16QAM	1720	100	0	-30	3.85	1.85	0.00	-2.5 to 2.5	Pass
	-	100		-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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T							T	T	
				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
					3.27	1.02	0.00	-2.5 to 2.5	Pass
				20	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
	1732.5	100	0	-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
					3.27	-3.89	-0.00	-2.5 to 2.5	Pass
				20	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
	1745	100	0	-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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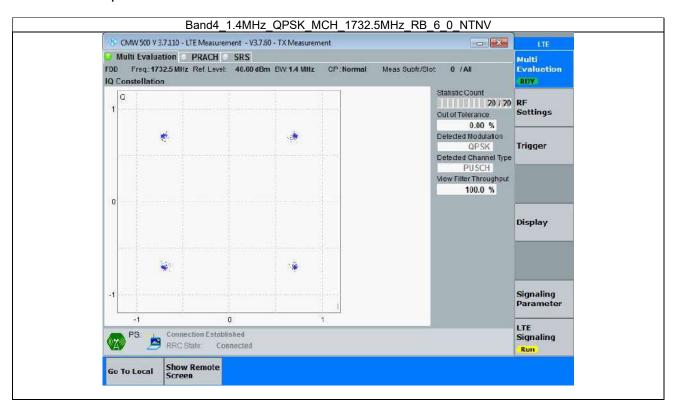
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV									
Modulation	Frequency	RB Allocation		Modulation Characteristics		Vardiet			
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict			
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



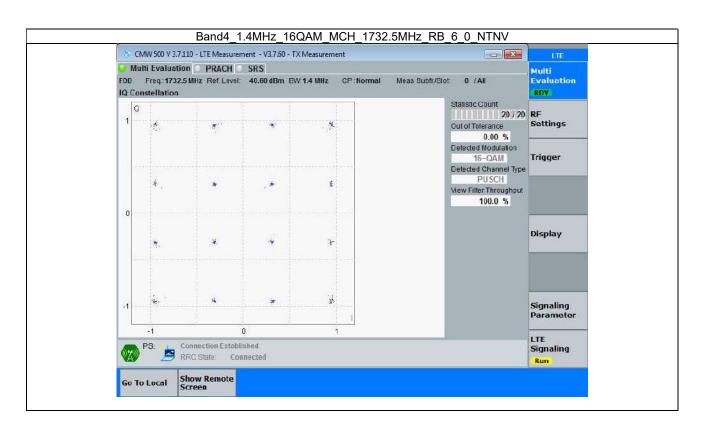


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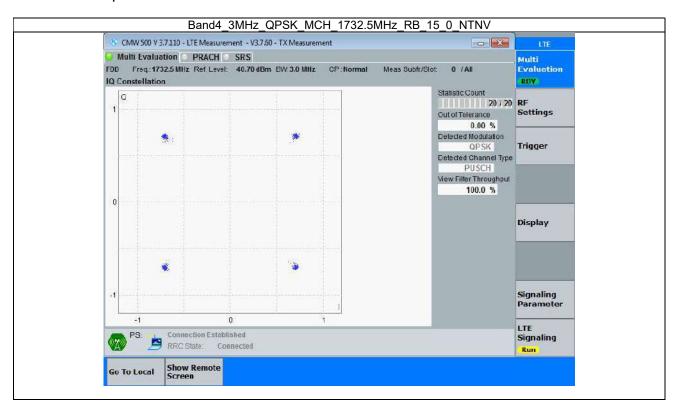
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3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV										
Modulation Frequency		RB Allocation		Modulation Char	Verdict					
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict				
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



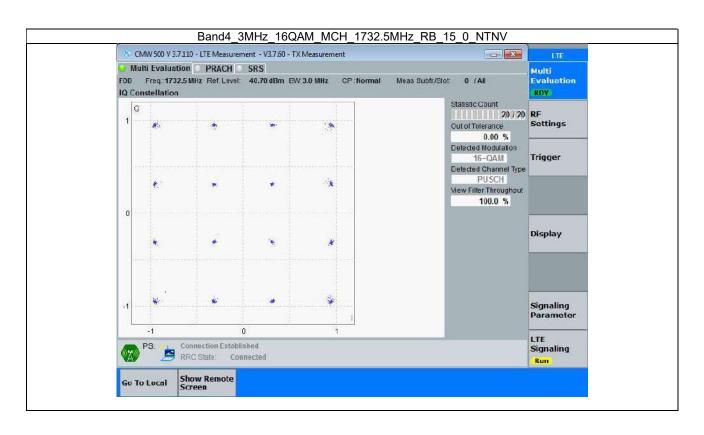


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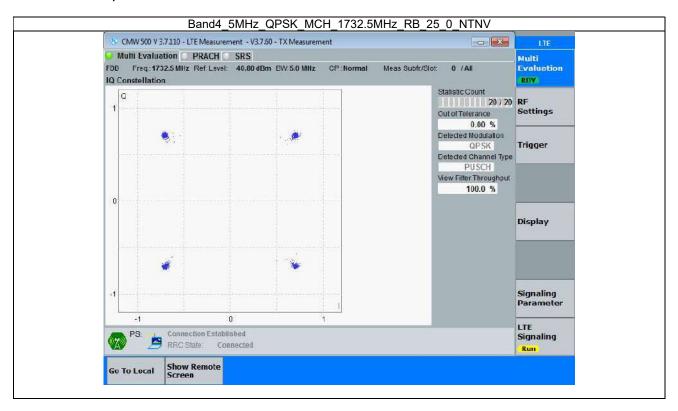
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3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV									
Modulation	Frequency	RB Allocation		Modulation Characteristics		\/ordint			
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict			
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



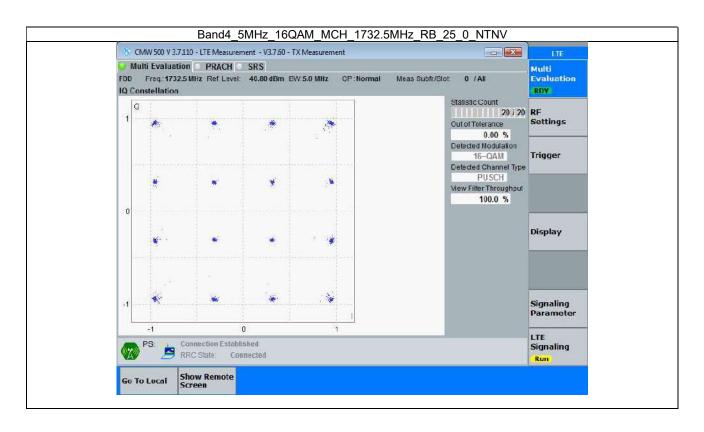


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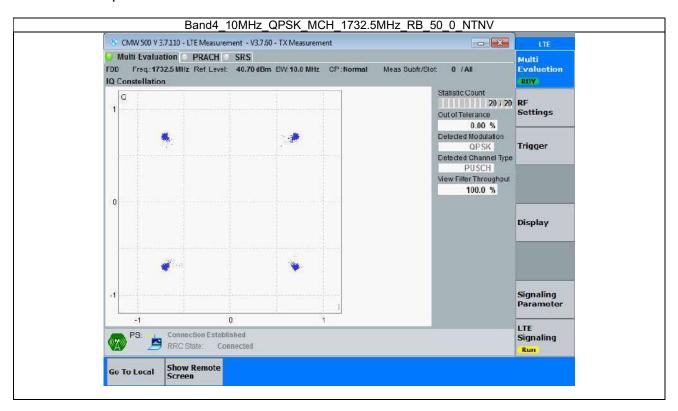
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3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency	RB Allocation		Modulation Cha	Verdict				
iviodulation	(MHz)	Size	Offset	Result	Limit	Verdict			
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



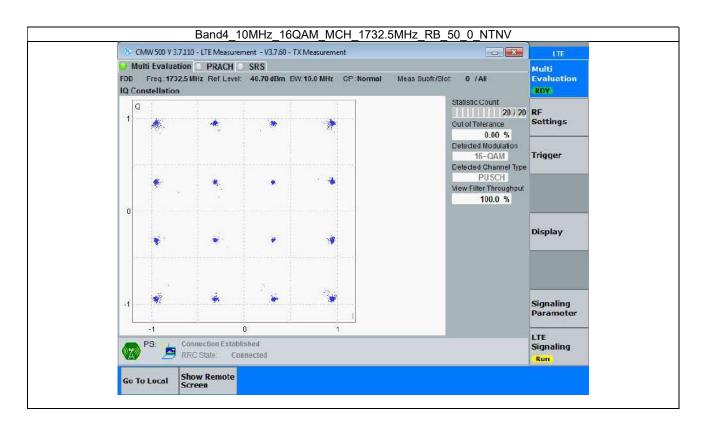


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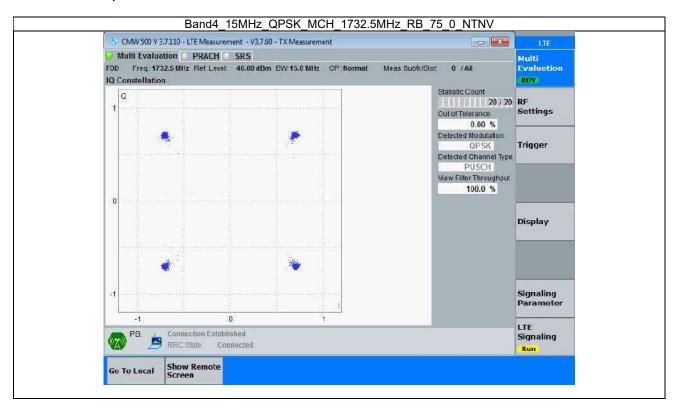
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3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV									
Modulation	Frequency	RB Allocation		Modulation Characteristics		\/ordigt			
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict			
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



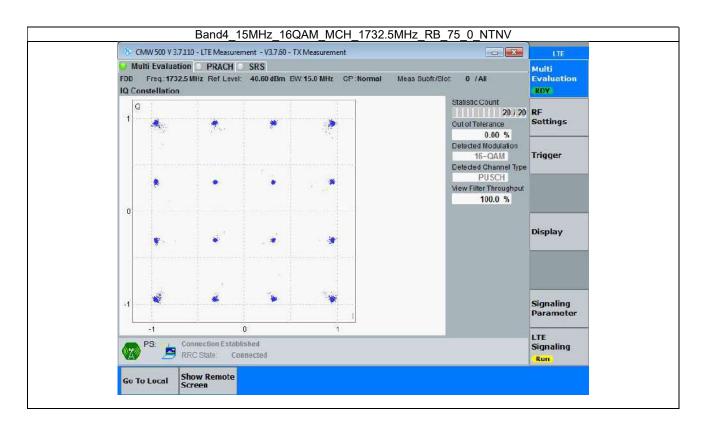


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3.6 B4_20MHz

3.6.1 Test Result

	Band: 4 / Bandwidth: 20MHz / NTNV									
NA - ded - ti	Frequency	RB Allo	ocation	Modulation Cha	\					
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict				
QPSK	1732.5	100	0	Refer To Test Graph		Pass				
16QAM	1732.5	100	0	Refer To Test Graph		Pass				



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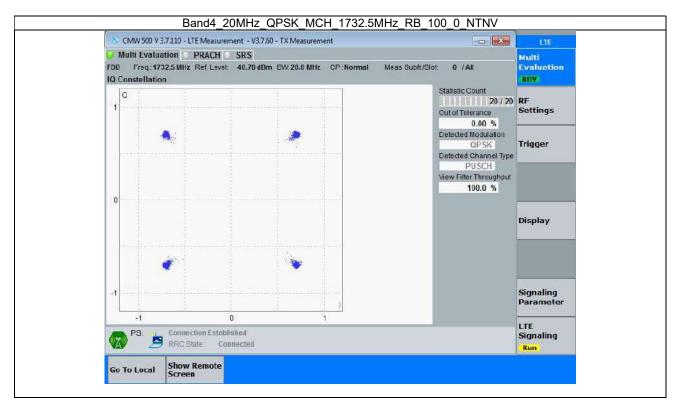
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3.6.2 Test Graph



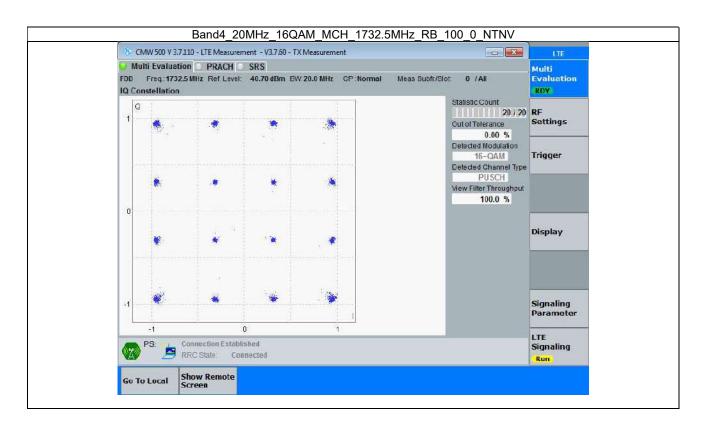


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4. 99% & 26dB Bandwidth

4.1 Band4_OBW

4.1.1 Test Result

				1 / NTNV		
Bandwidth (MHz)	Modulation	Frequency	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
Dandwidth (Minz)	Modulation	(MHz)	Size	Offset	Result	Verdict
		1710.7	6	0	1.117	Pass
	QPSK	1732.5	6	0	1.117	Pass
1.4		1754.3	6	0	1.117	Pass
1.4		1710.7	6	0	1.110	Pass
	16QAM	1732.5	6	0	1.109	Pass
		1754.3	6	0	1.112	Pass
		1711.5	15	0	2.741	Pass
	QPSK	1732.5	15	0	2.753	Pass
3		1753.5	15	0	2.751	Pass
ა		1711.5	15	0	2.746	Pass
	16QAM	1732.5	15	0	2.745	Pass
		1753.5	15	0	2.745	Pass
		1712.5	25	0	4.557	Pass
	QPSK	1732.5	25	0	4.543	Pass
E		1752.5	25	0	4.562	Pass
5	16QAM	1712.5	25	0	4.576	Pass
		1732.5	25	0	4.561	Pass
		1752.5	25	0	4.550	Pass
	QPSK	1715	50	0	9.028	Pass
		1732.5	50	0	9.041	Pass
40		1750	50	0	9.075	Pass
10		1715	50	0	9.047	Pass
	16QAM	1732.5	50	0	9.035	Pass
		1750	50	0	9.051	Pass
		1717.5	75	0	13.594	Pass
	QPSK	1732.5	75	0	13.549	Pass
45		1747.5	75	0	13.604	Pass
15		1717.5	75	0	13.575	Pass
	16QAM	1732.5	75	0	13.584	Pass
		1747.5	75	0	13.584	Pass
		1720	100	0	18.042	Pass
00	QPSK	1732.5	100	0	18.101	Pass
		1745	100	0	18.087	Pass
20		1720	100	0	18.084	Pass
	16QAM	1732.5	100	0	18.072	Pass
	1000	1745	100	0	18.211	Pass



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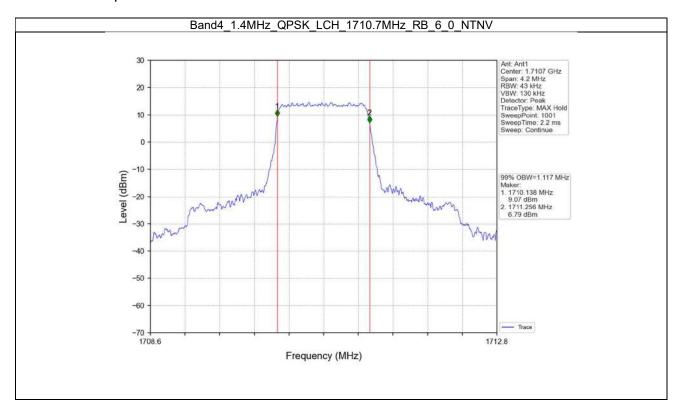
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4.1.2 Test Graph





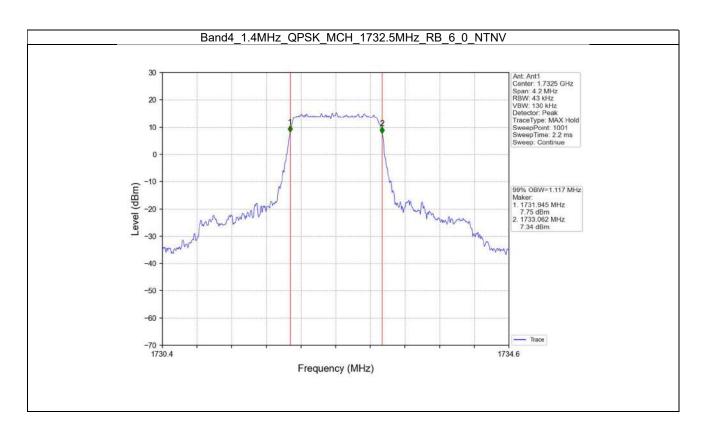
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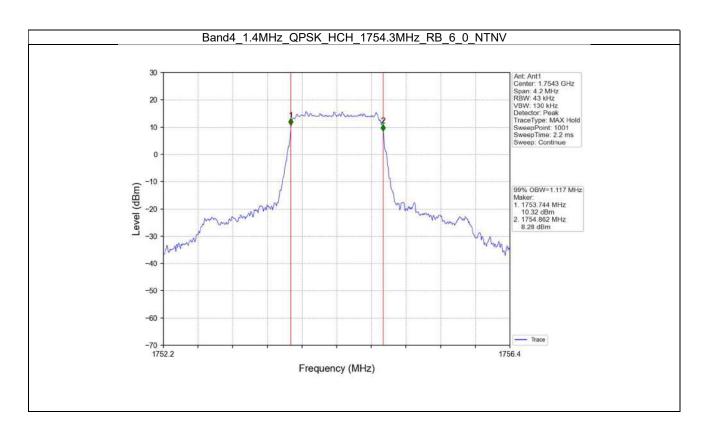
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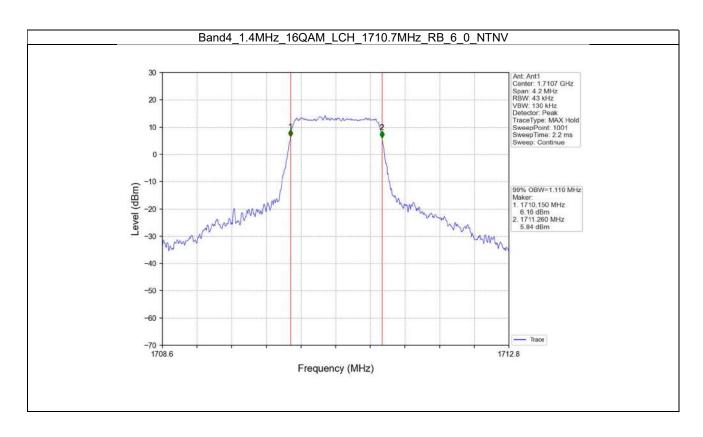




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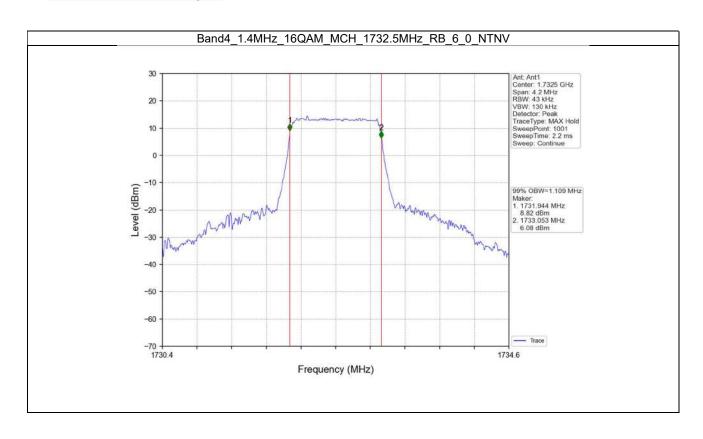
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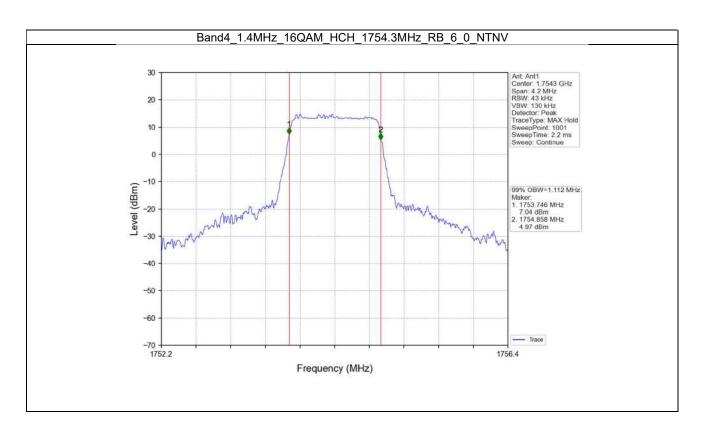
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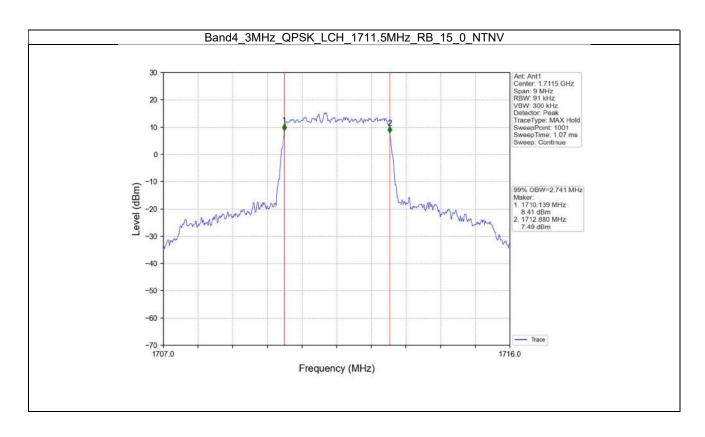
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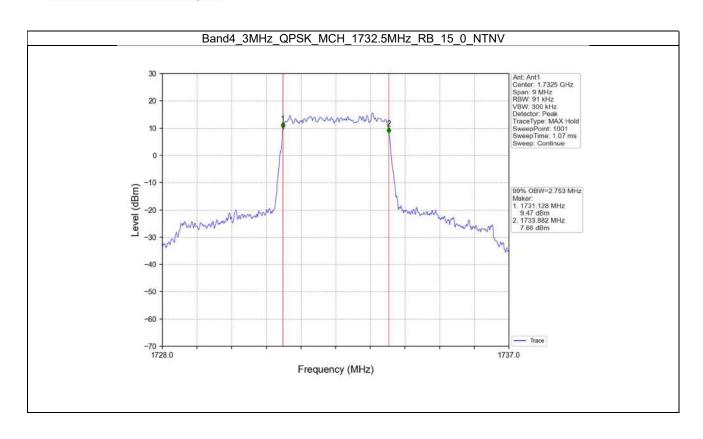
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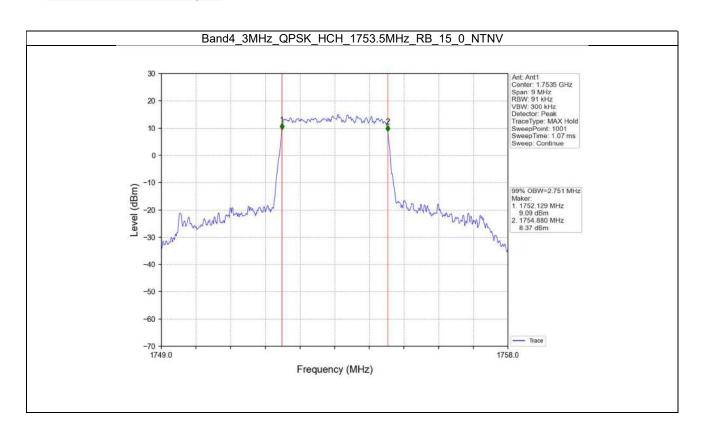


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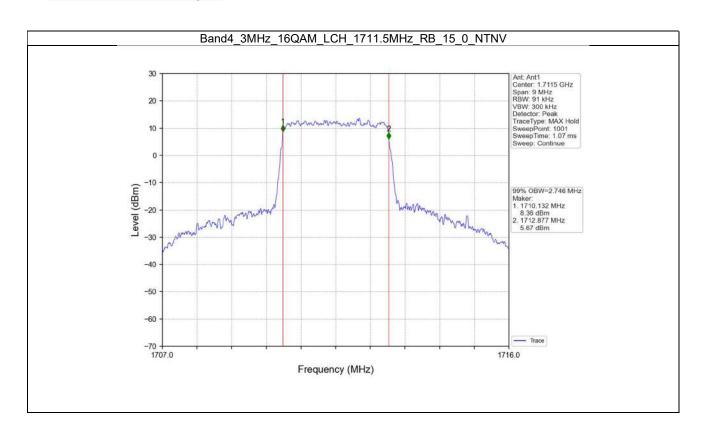
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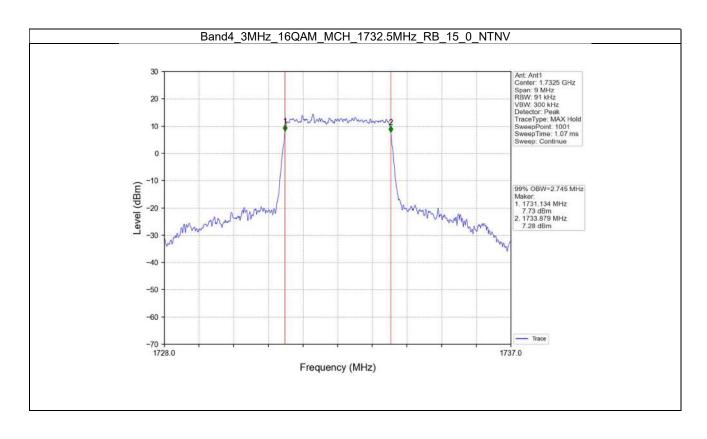
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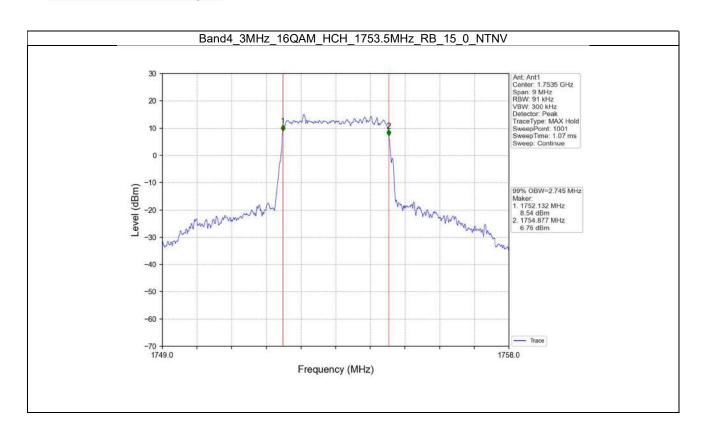
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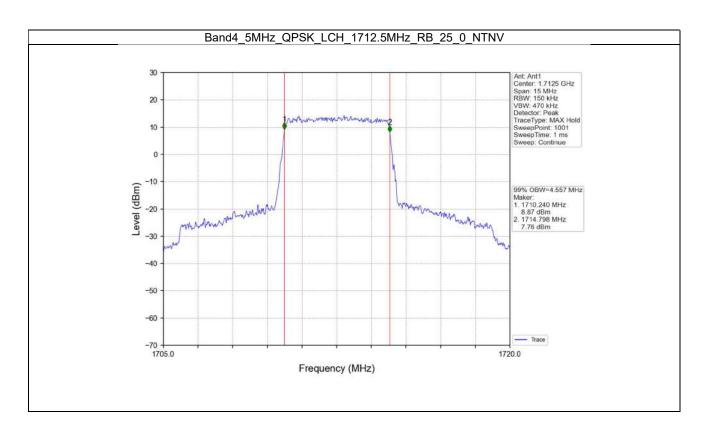


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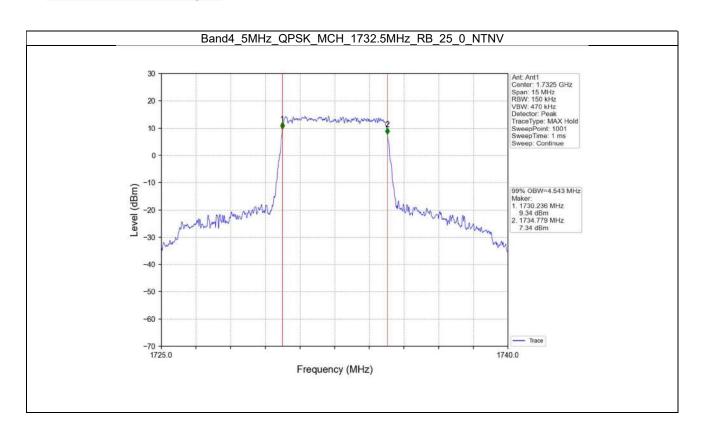


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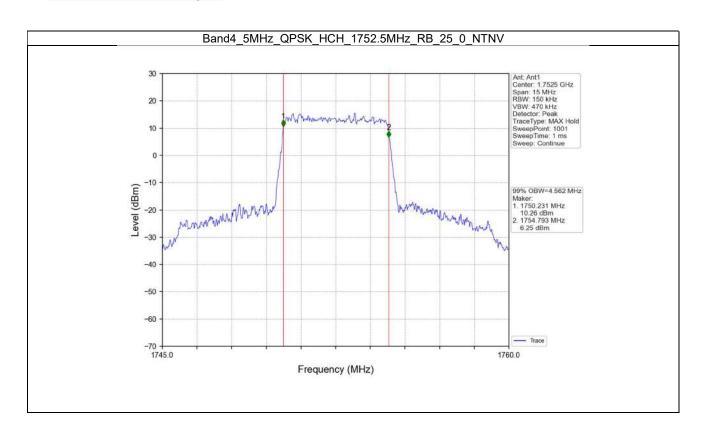
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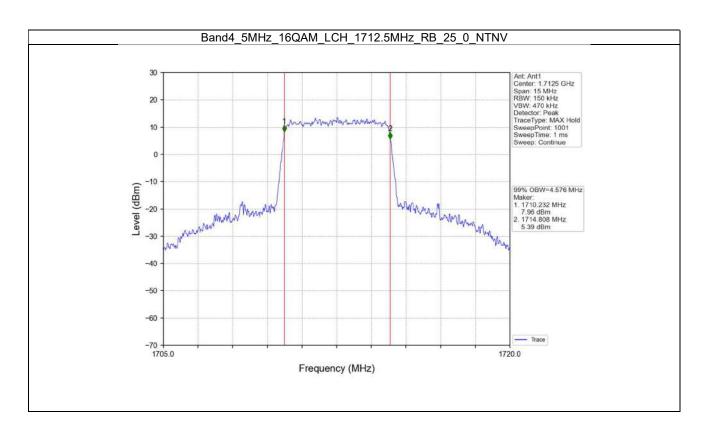
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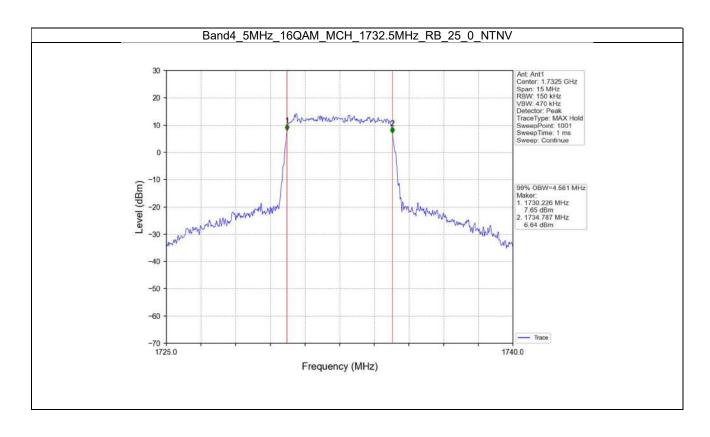


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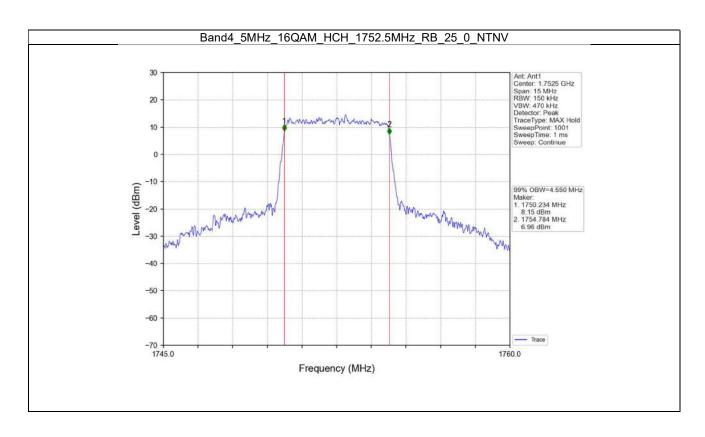
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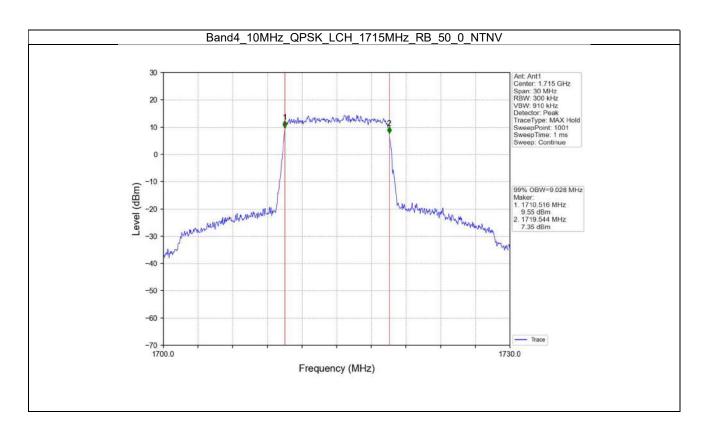


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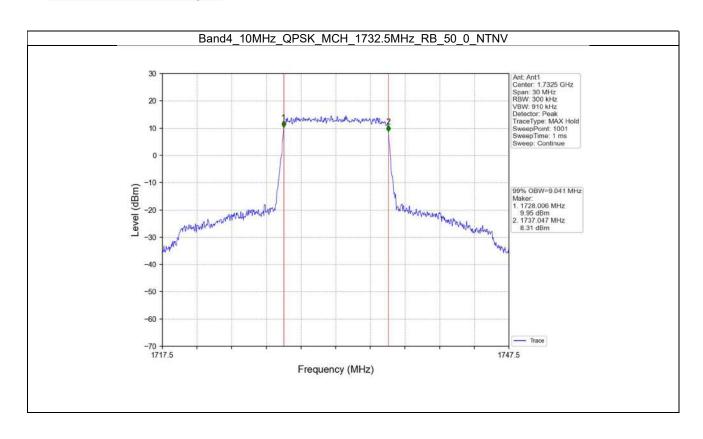
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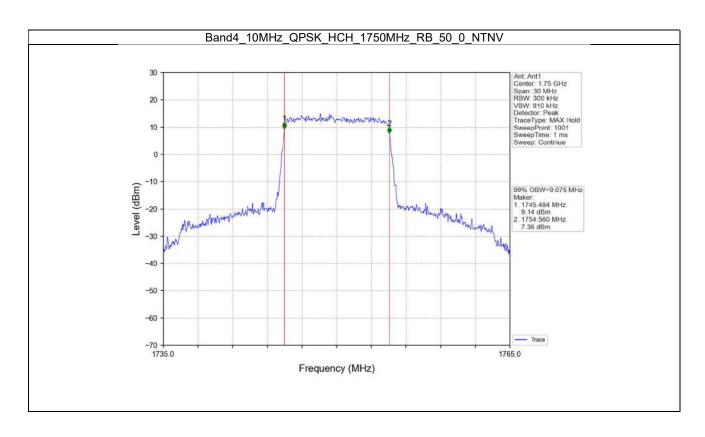


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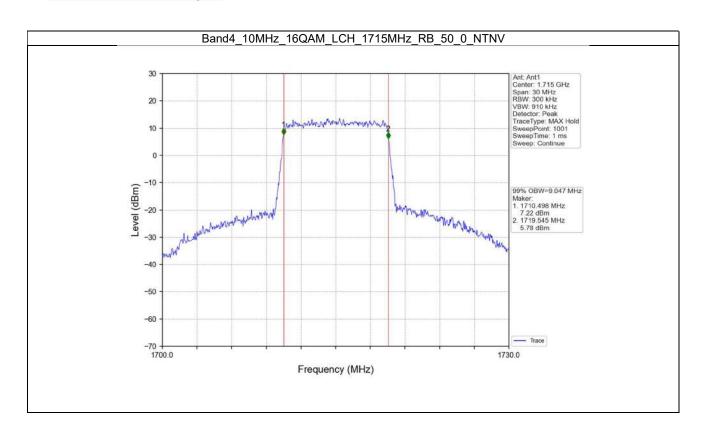


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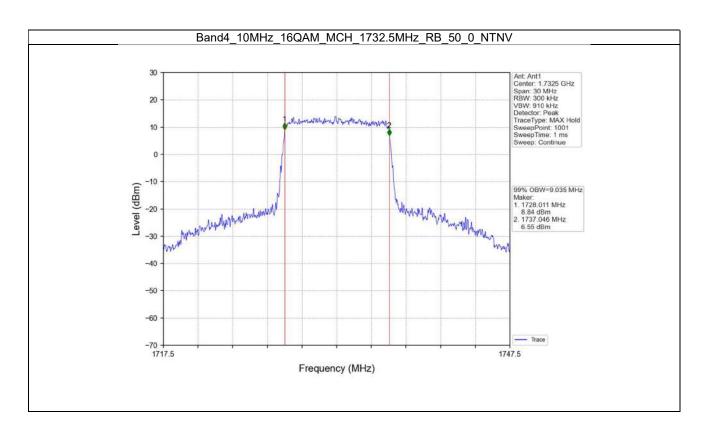


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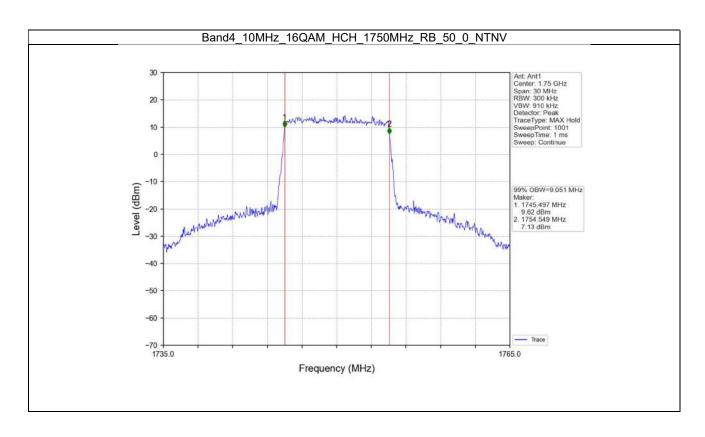
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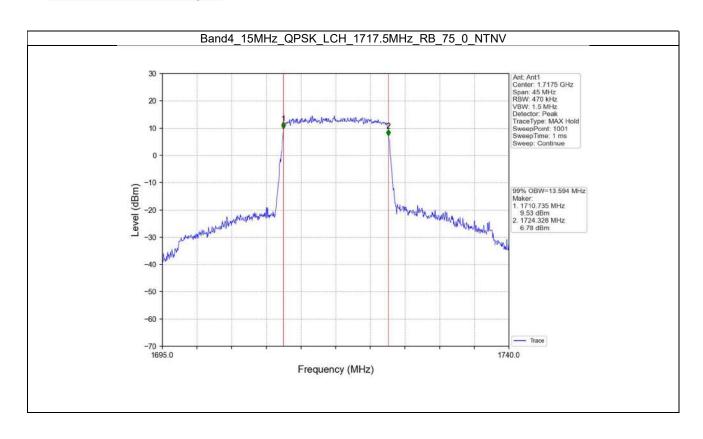
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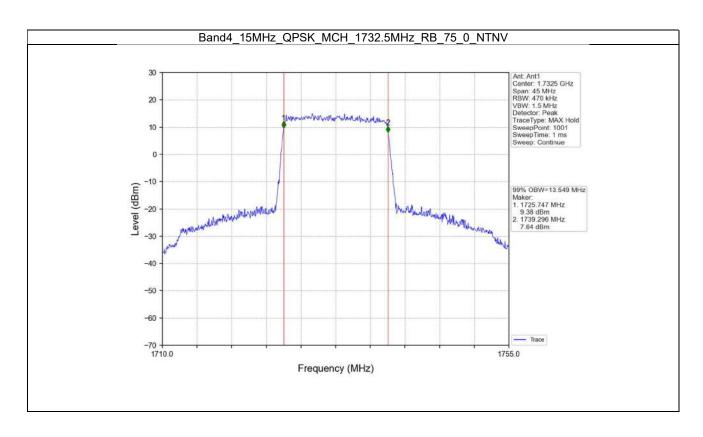
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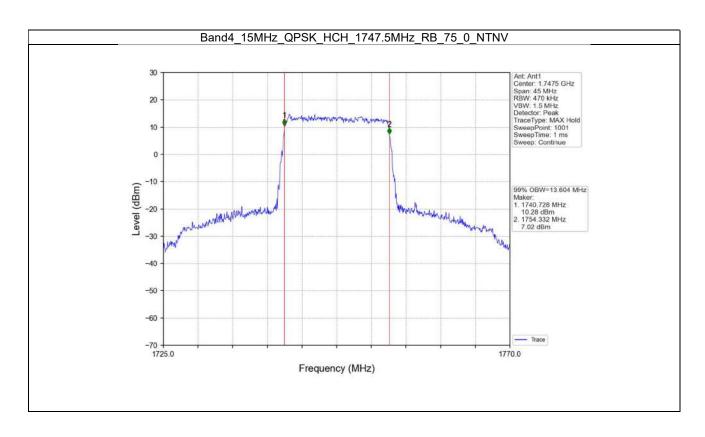
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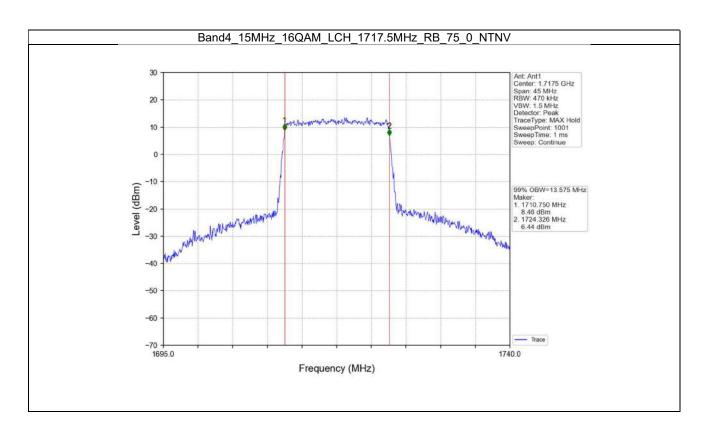


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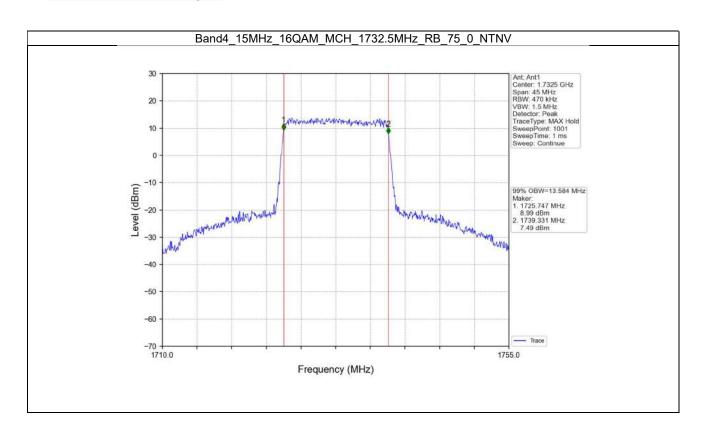


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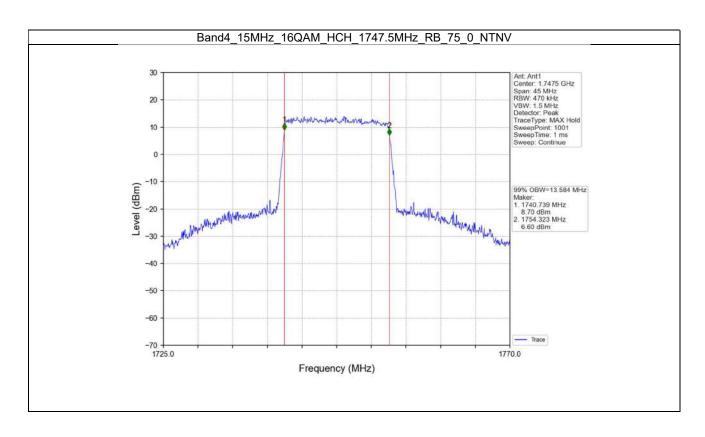
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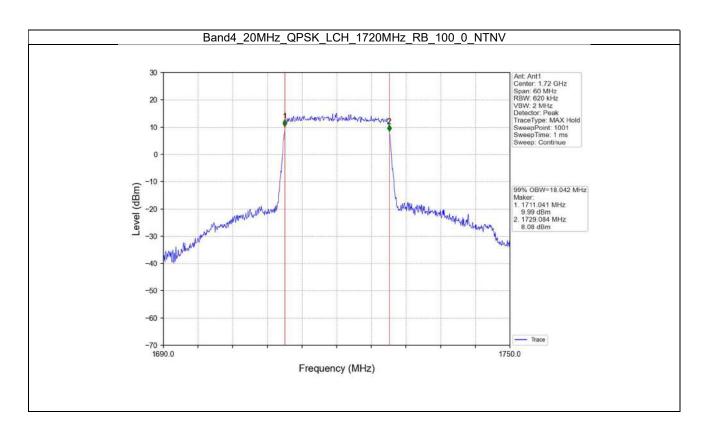


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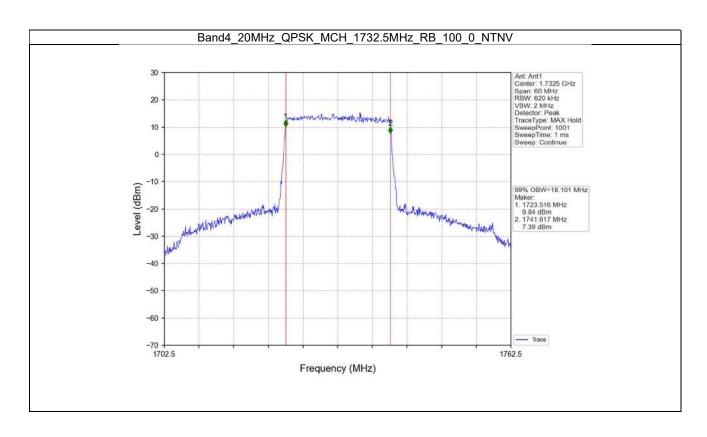
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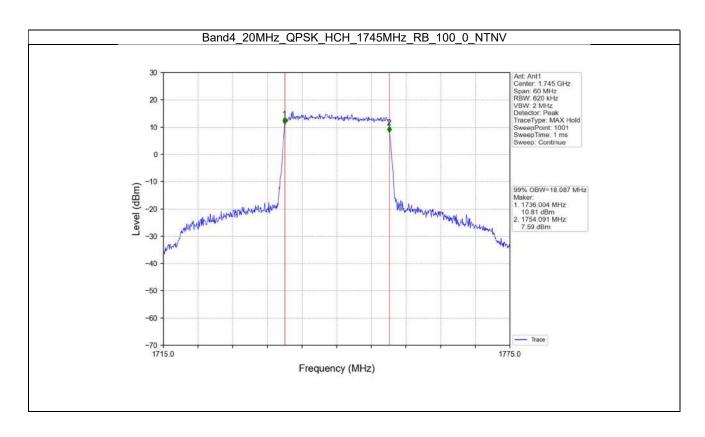


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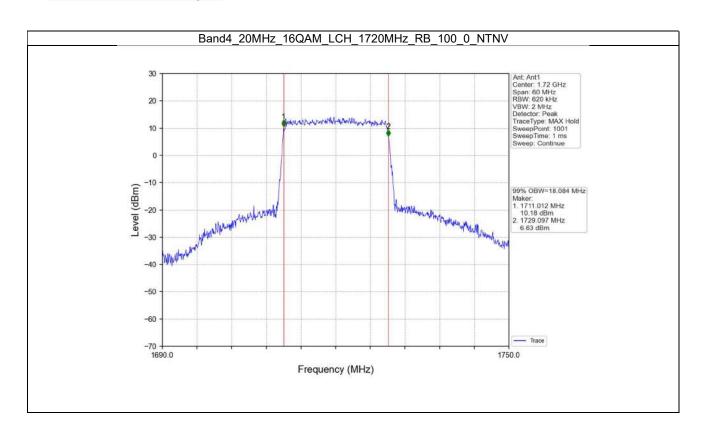
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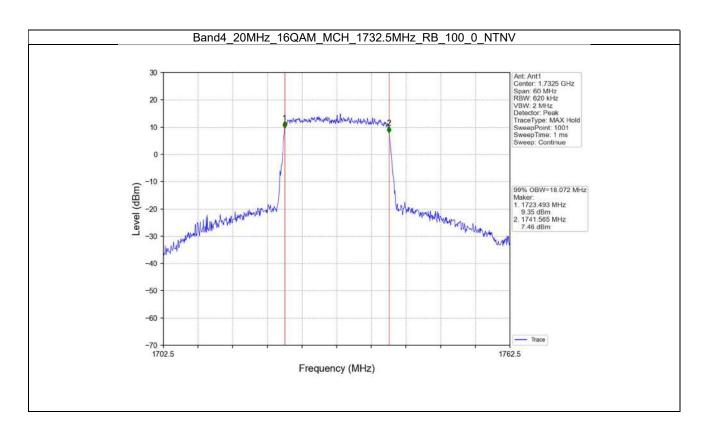
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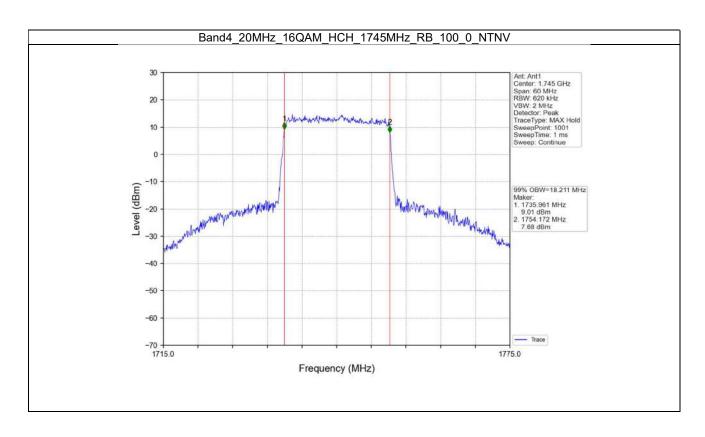


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4.2 Band4_XDB

4.2.1 Test Result

			Band: 4 / N1			
Bandwidth (MHz)	Modulation	Frequency	RB Allocation		26dB Bandwidth (MHz)	Verdict
		(MHz)	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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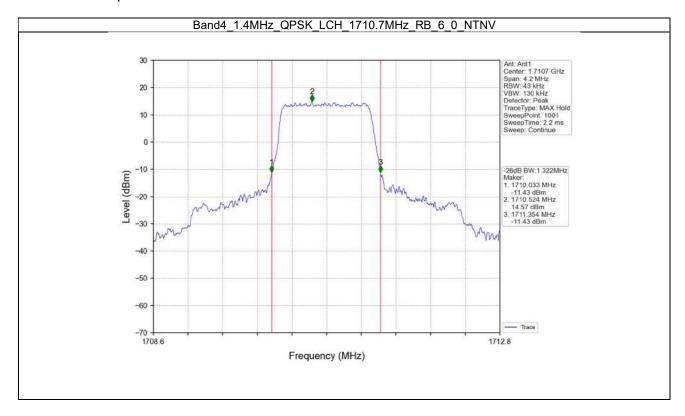
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4.2.2 Test Graph





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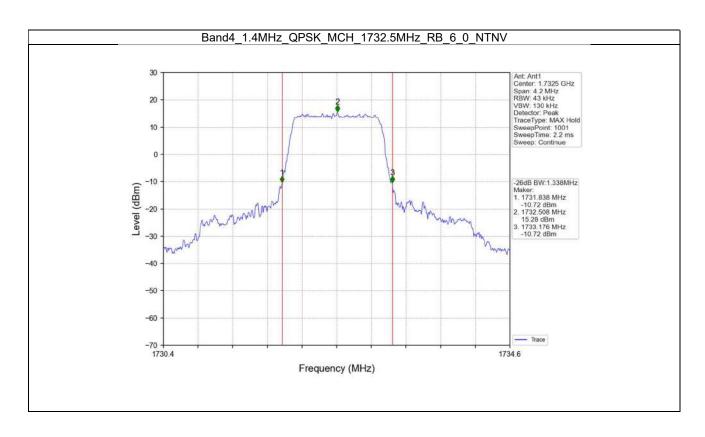
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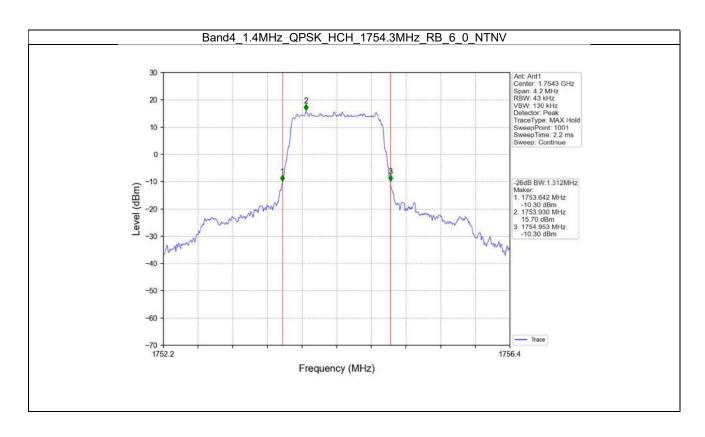
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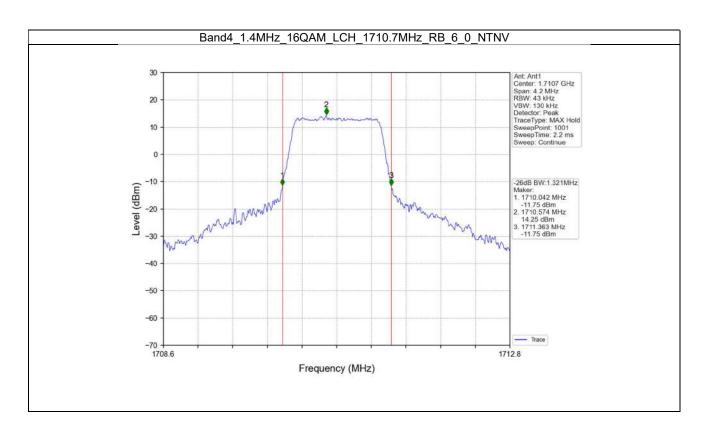
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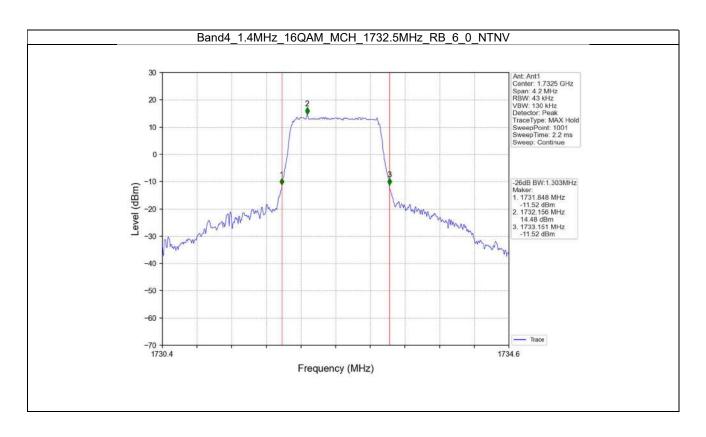
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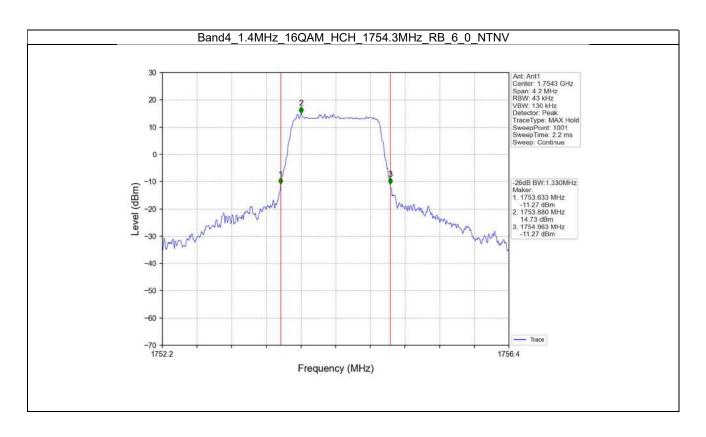
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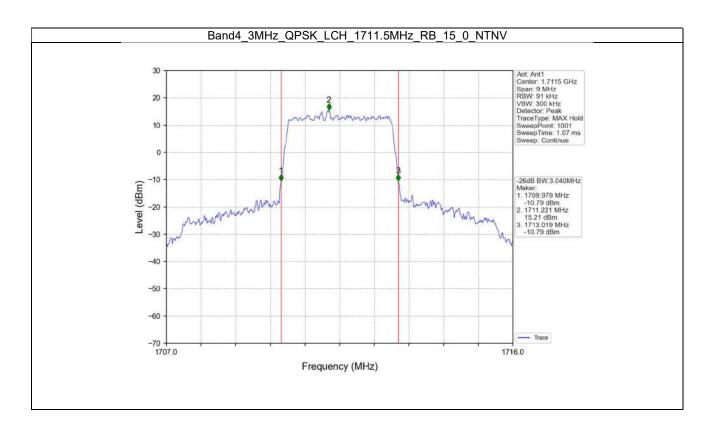
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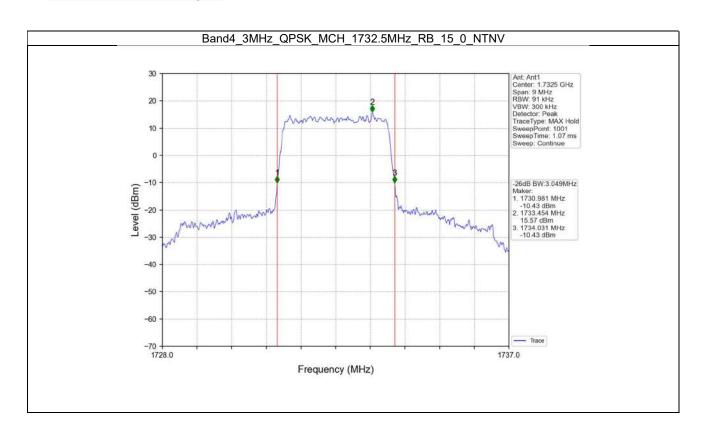
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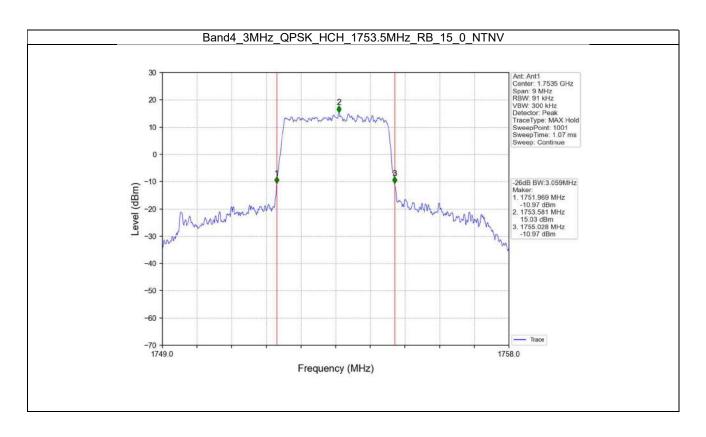
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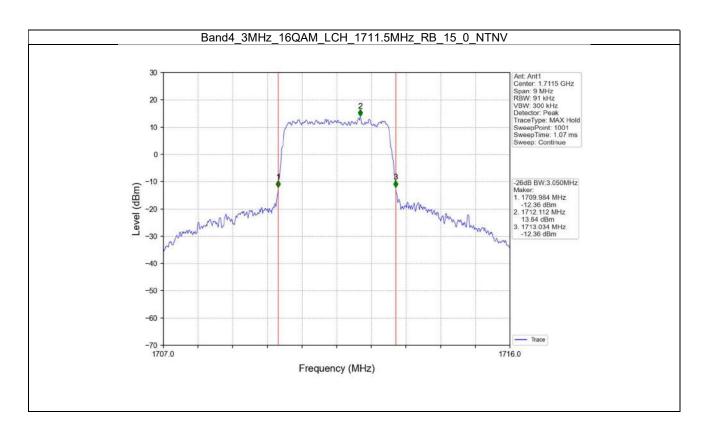
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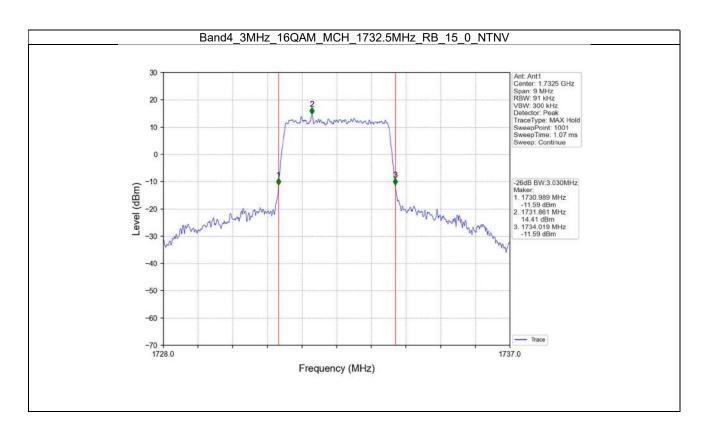
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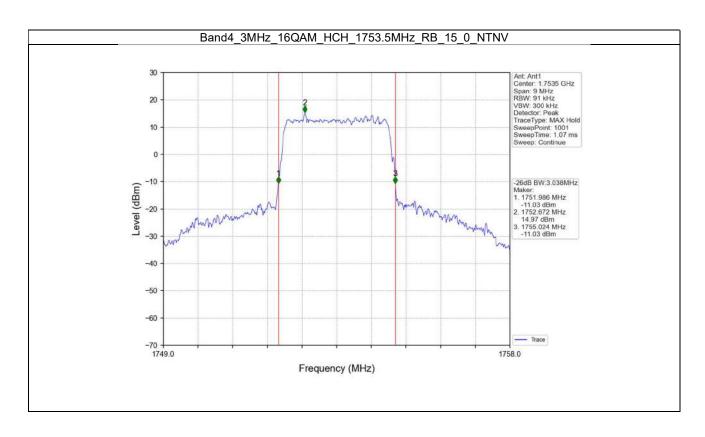
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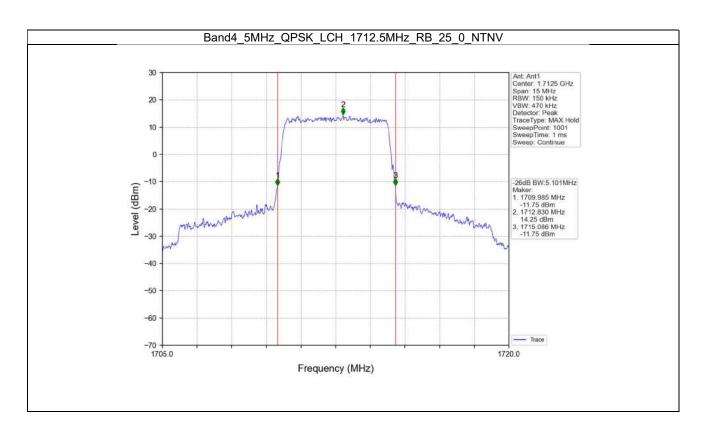
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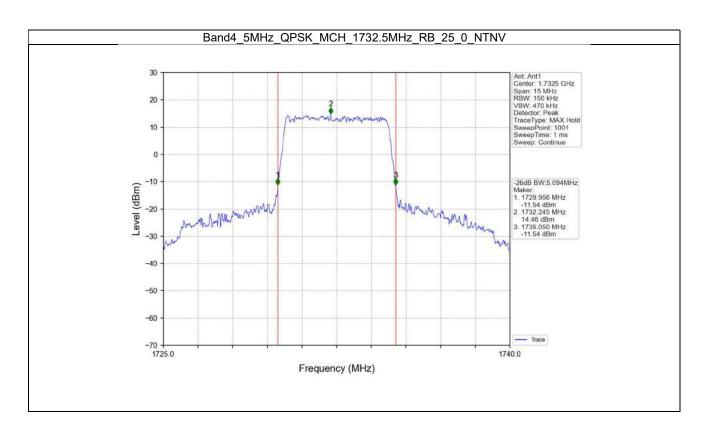
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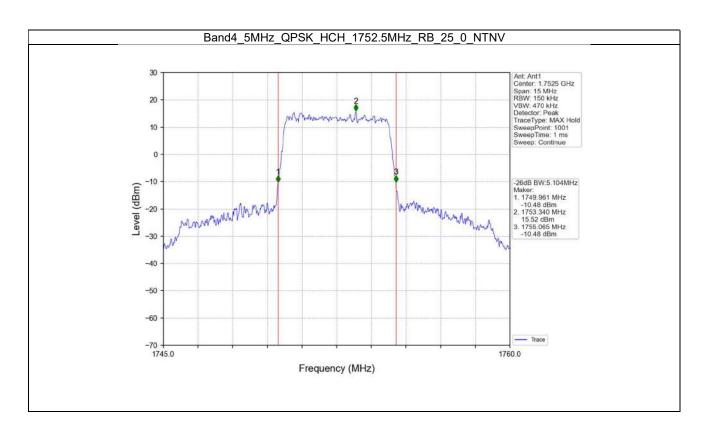
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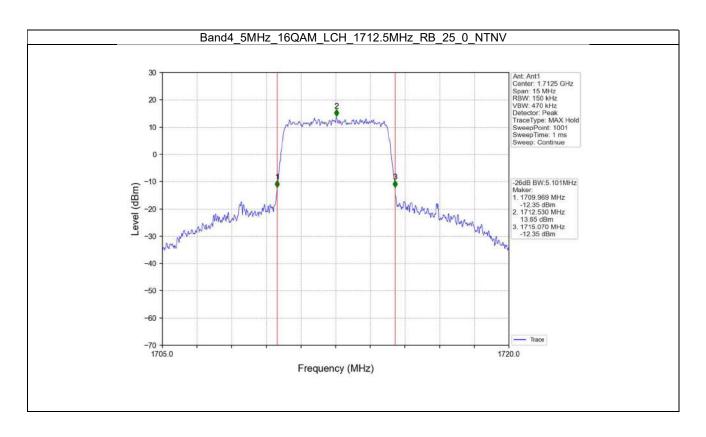
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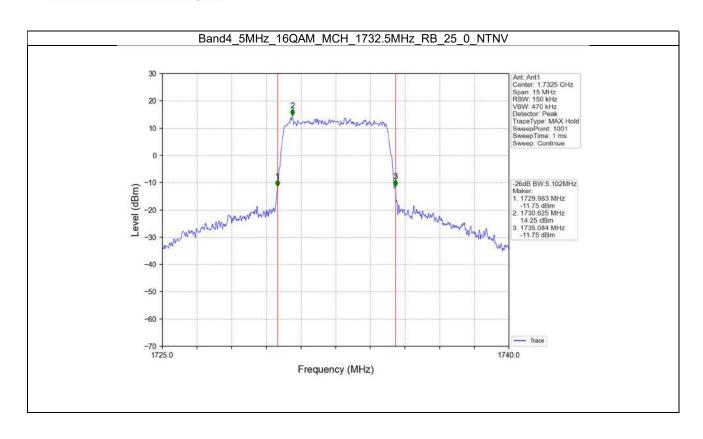
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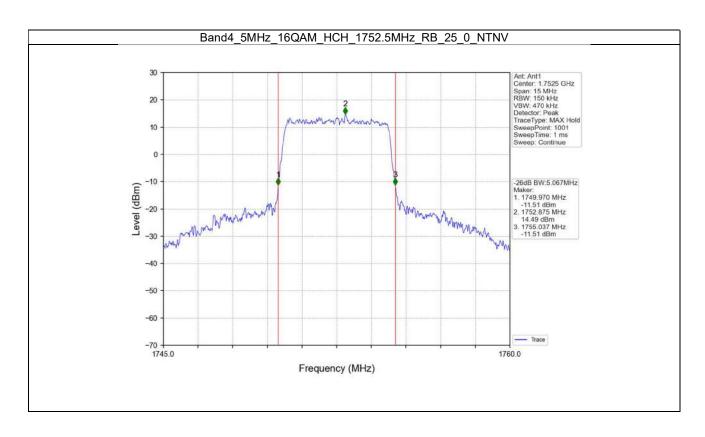
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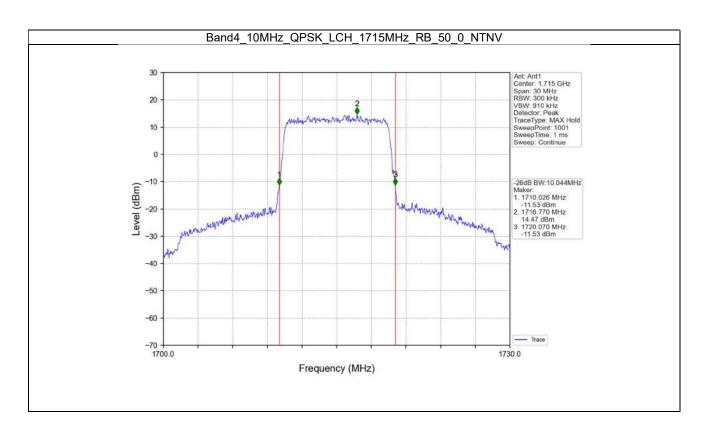
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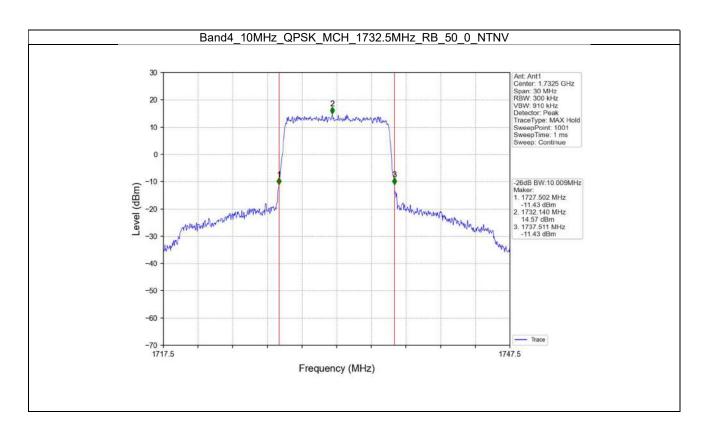


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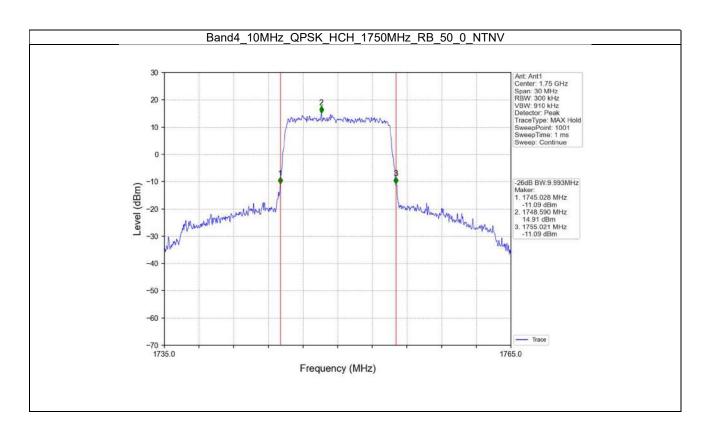
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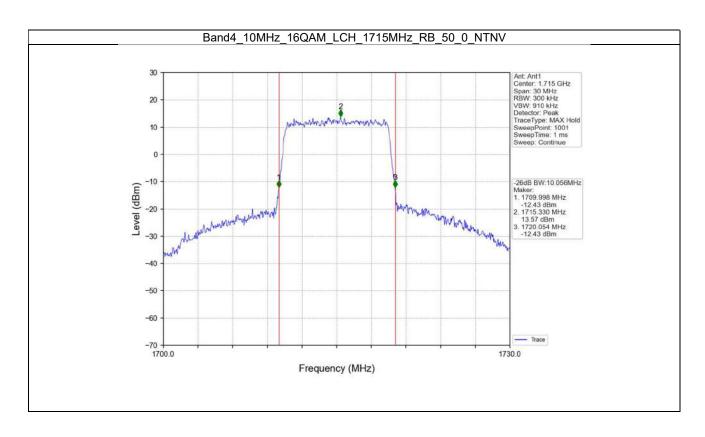
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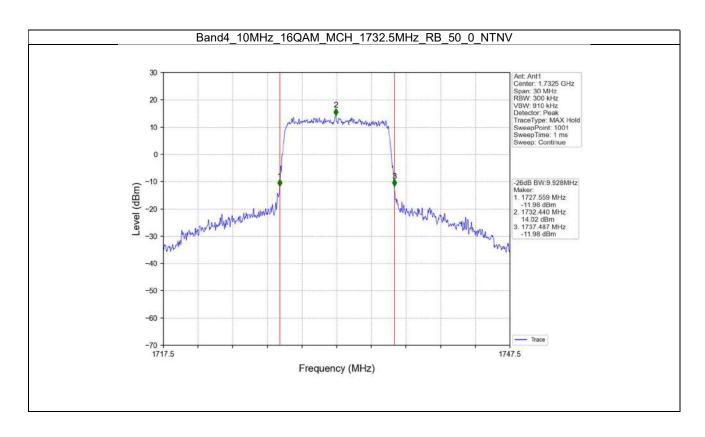


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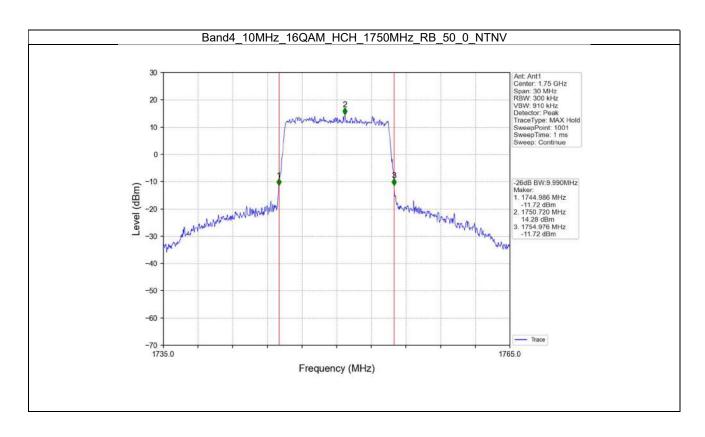
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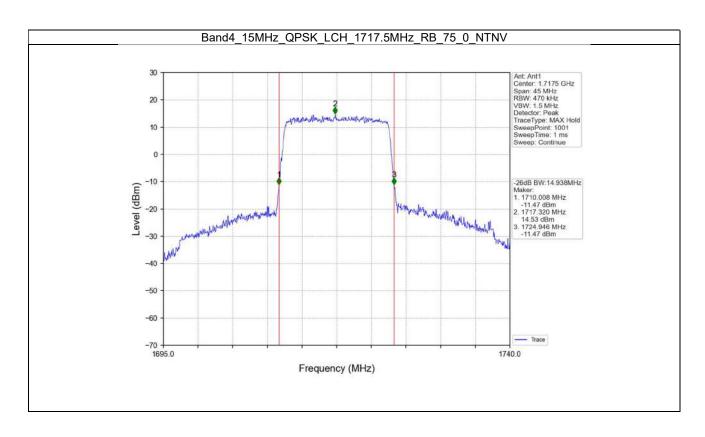


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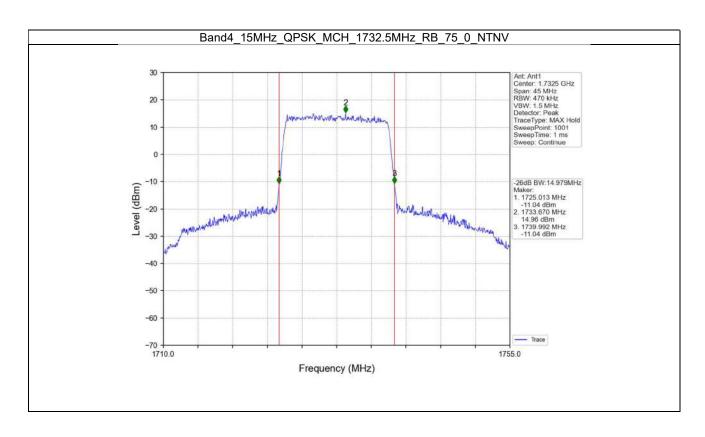
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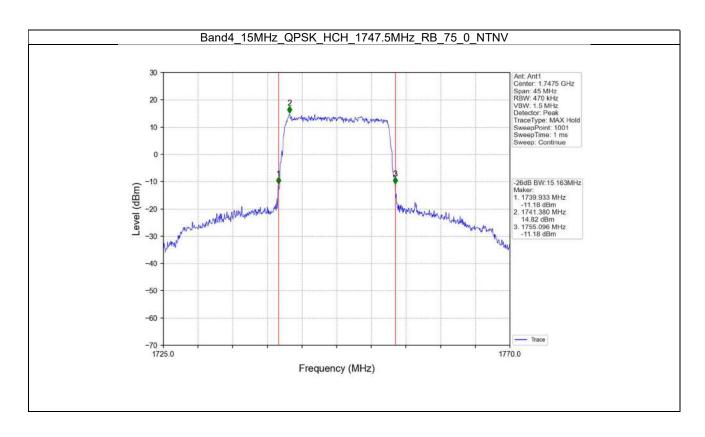
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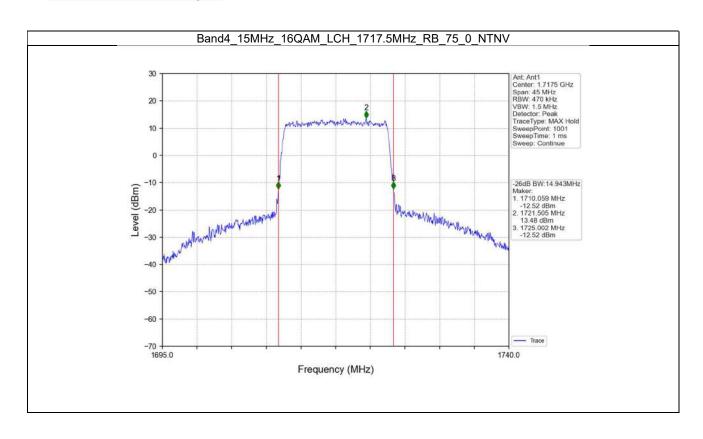
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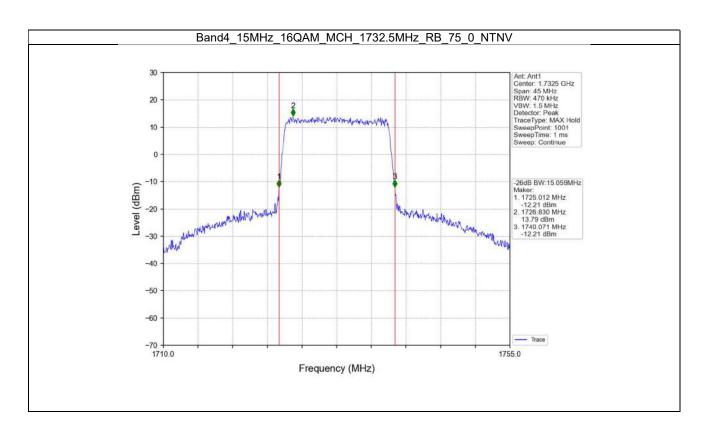
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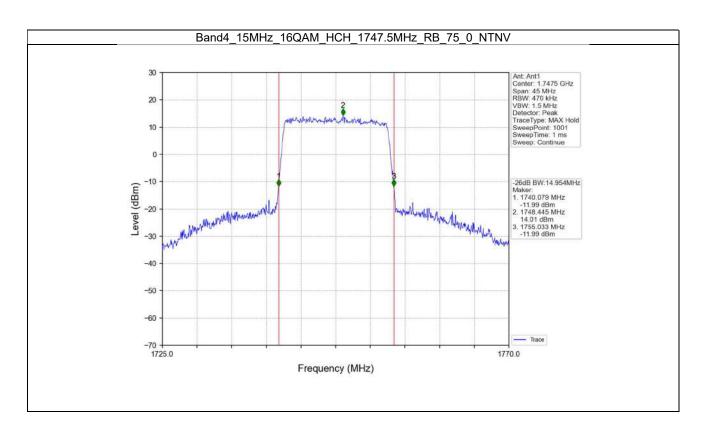
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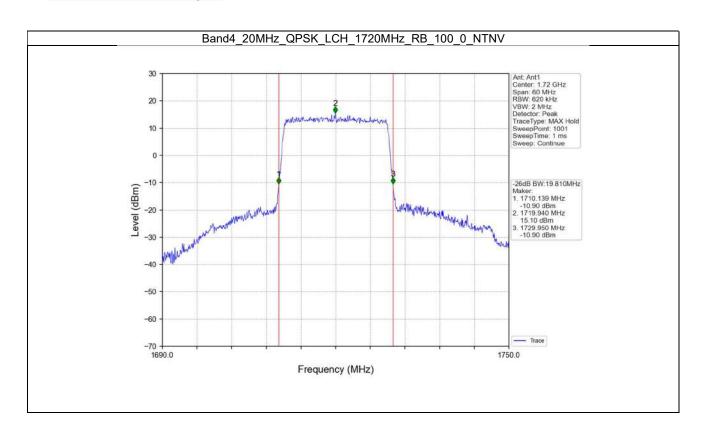
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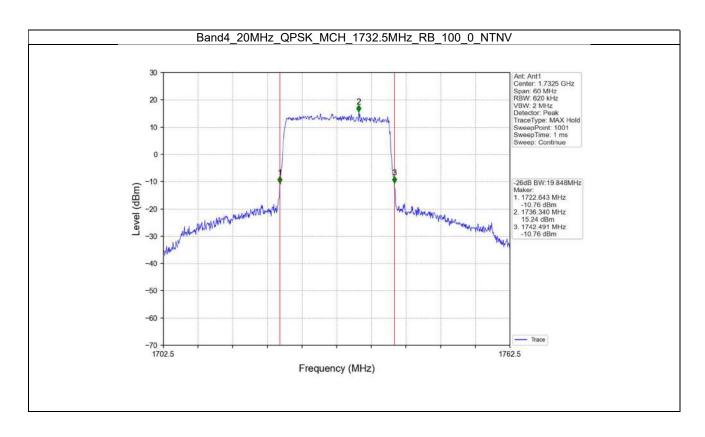
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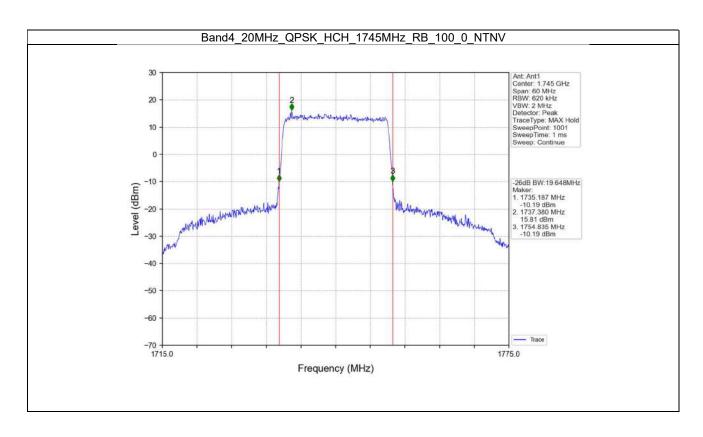
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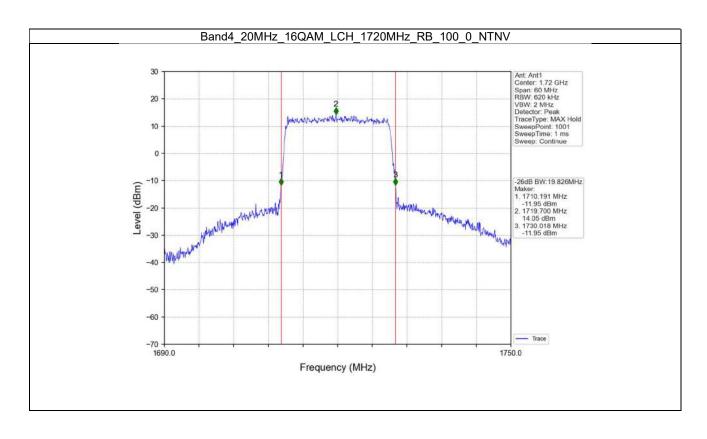


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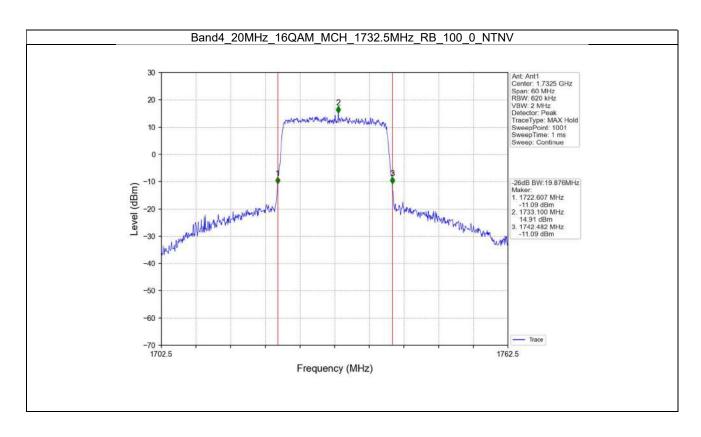


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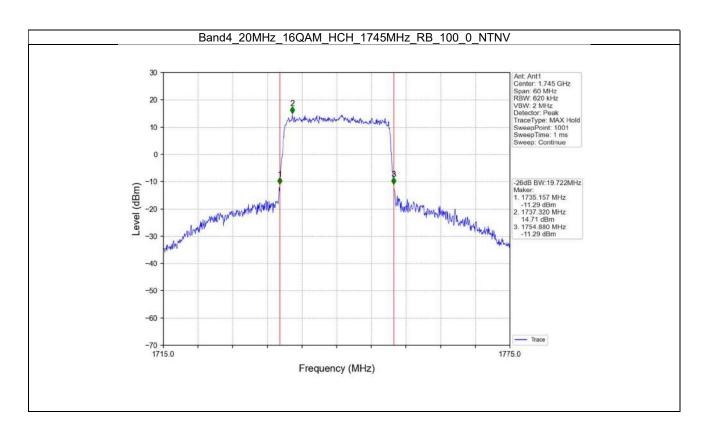
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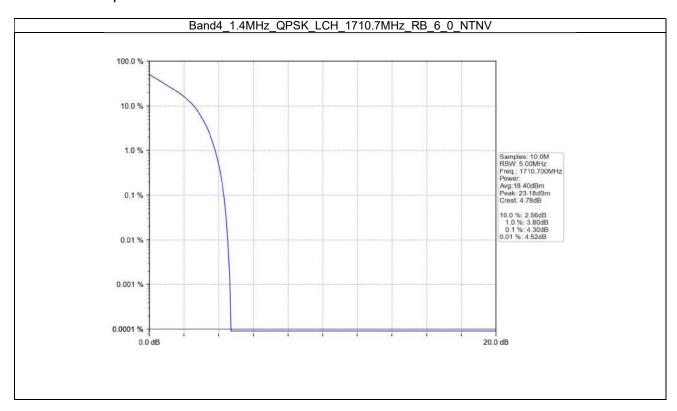
5. Peak-Average Ratio

5.1 B4_1.4MHz

5.1.1 Test Result

		Bar	nd: 4 / Bandwidth	n: 1.4MHz / NTNV		
Modulation	Frequency	RB Allocation		Peak-Average Ratio (dB)		Vardiet
	(MHz)	Size	Offset	Result	Limit	Verdict
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



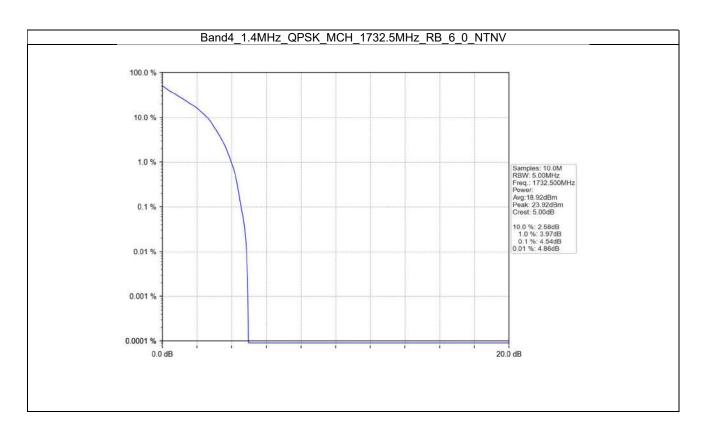


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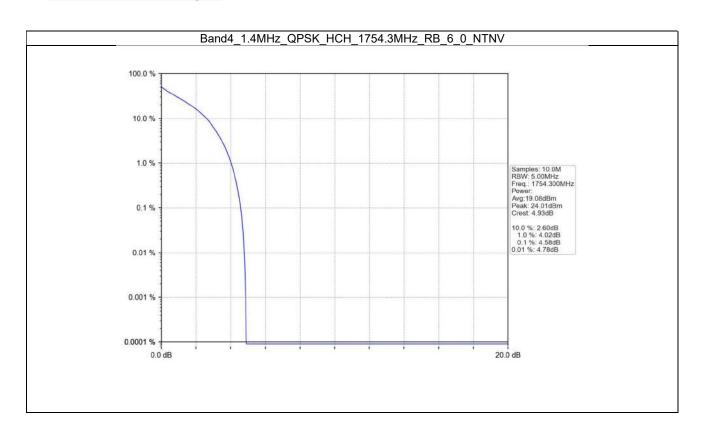
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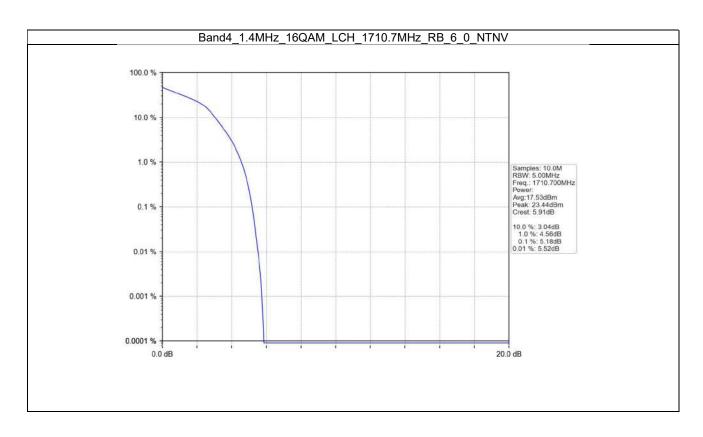
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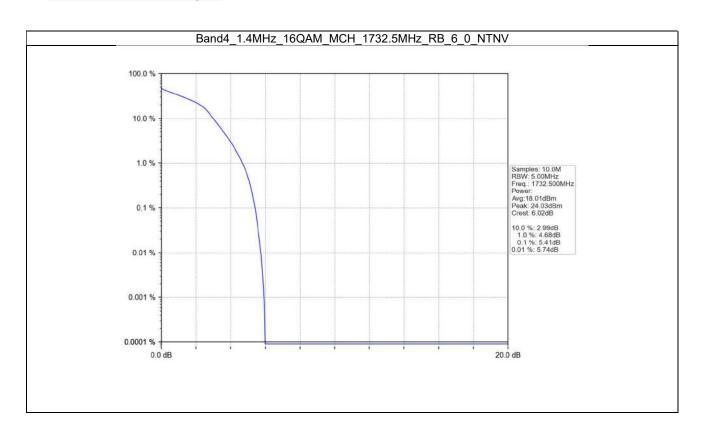
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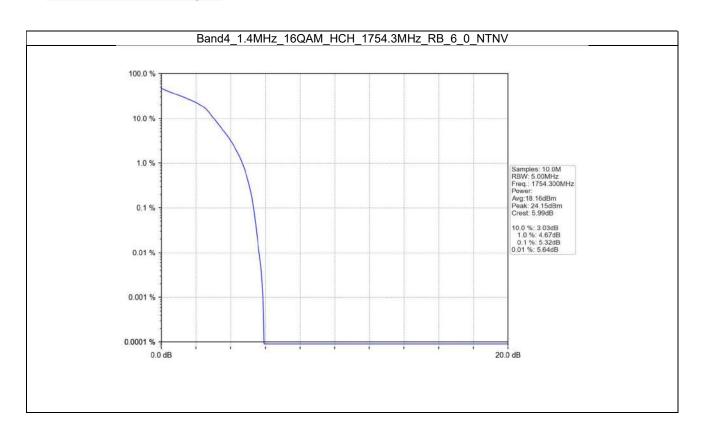
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5.2 B4_3MHz

5.2.1 Test Result

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



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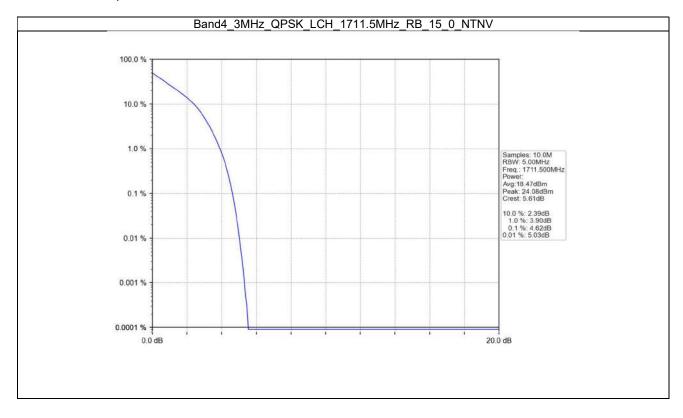
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5.2.2 Test Graph





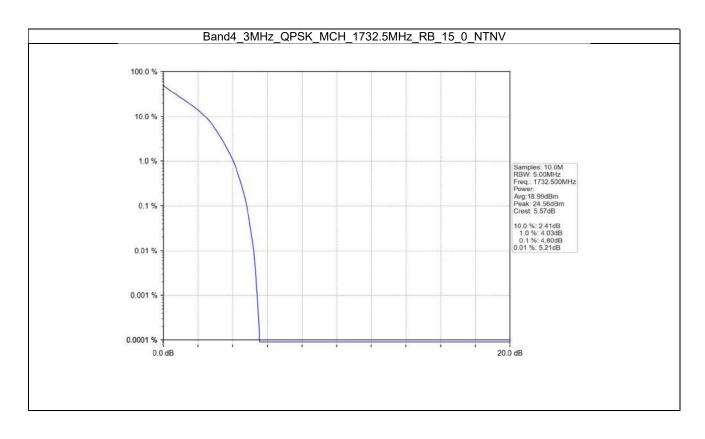
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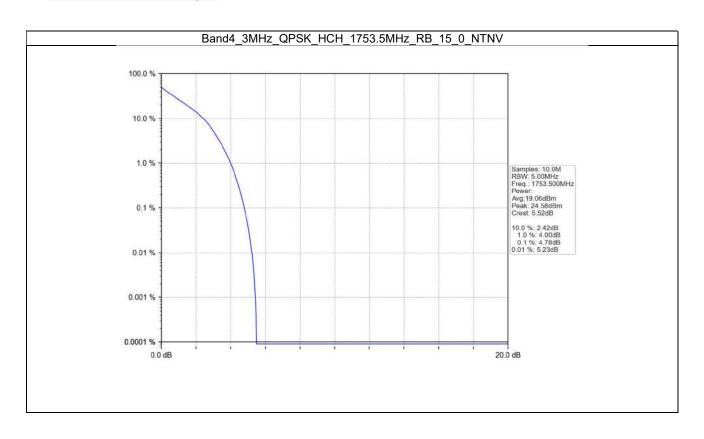
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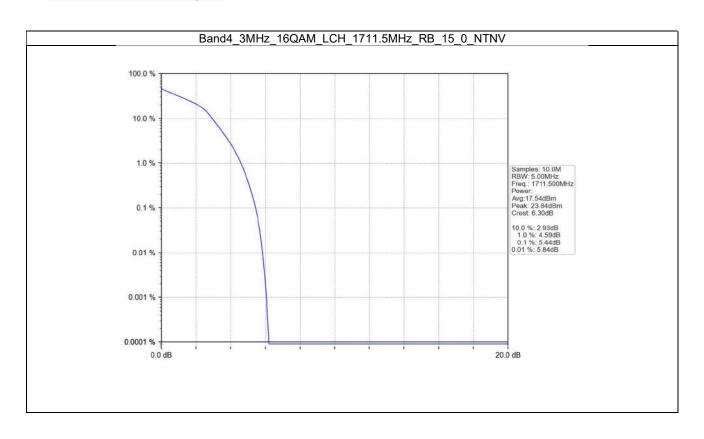


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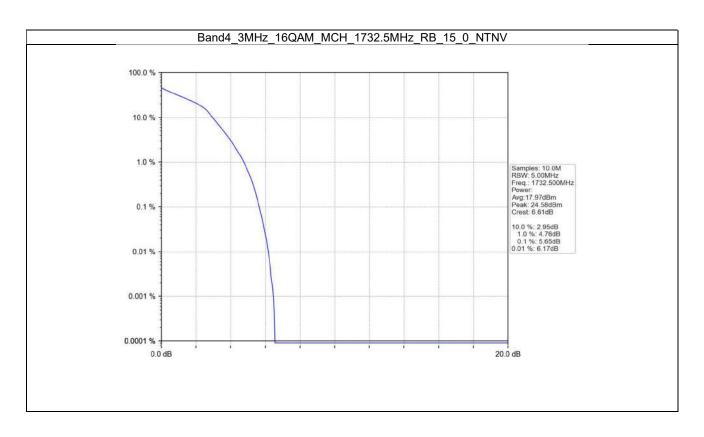
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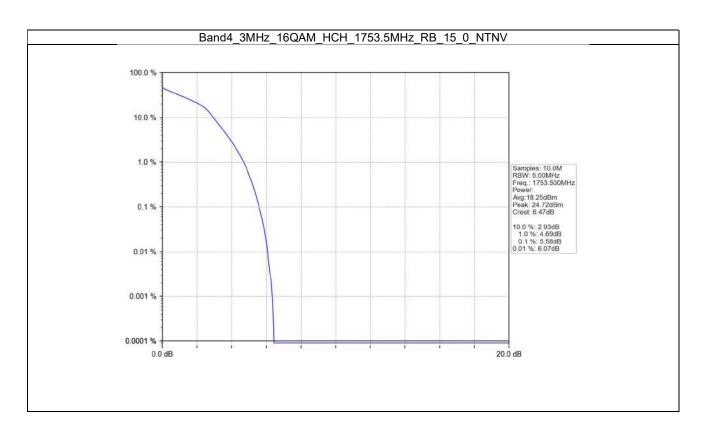
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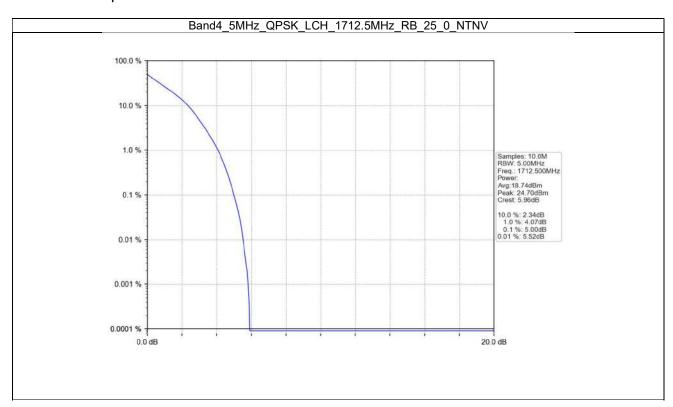
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5.3 B4_5MHz

5.3.1 Test Result

		Ва	and: 4 / Bandwidt	h: 5MHz / NTNV		
NA - ded - di - o	Frequency	RB Allocation		Peak-Average Ratio (dB)		\/amaliat
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1712.5	25	0	5.00	<=13	Pass
QPSK	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



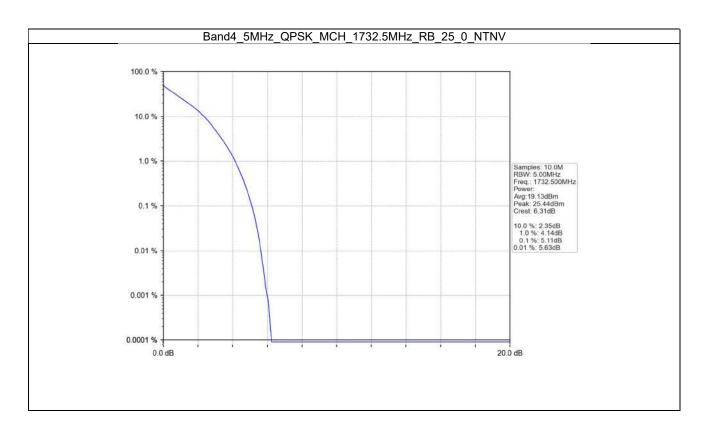


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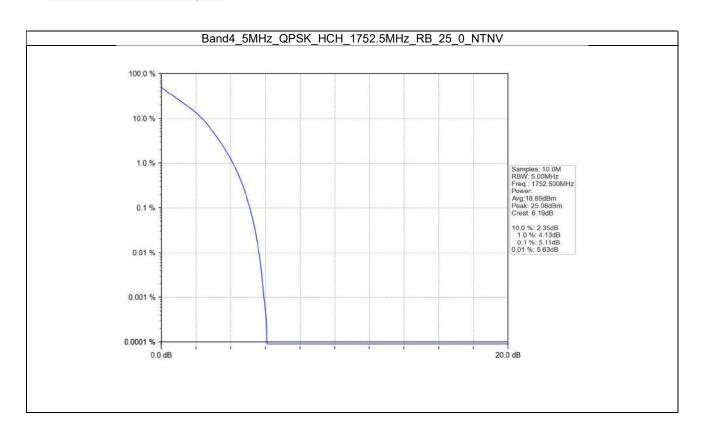
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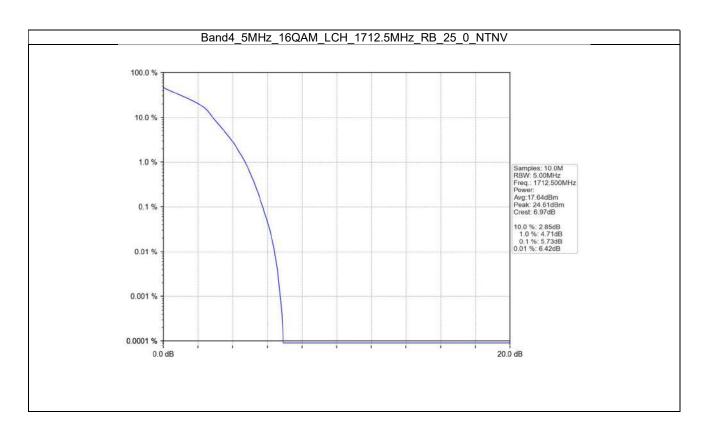
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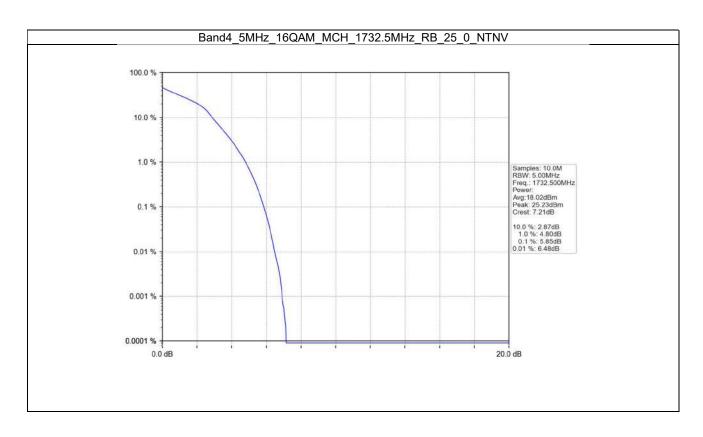
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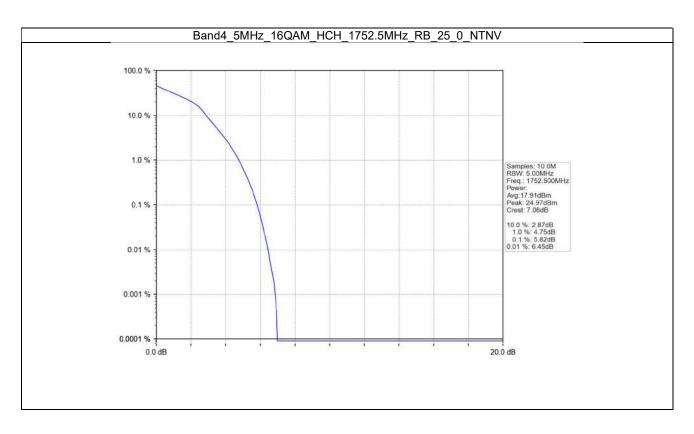
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5.4 B4_10MHz

5.4.1 Test Result

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



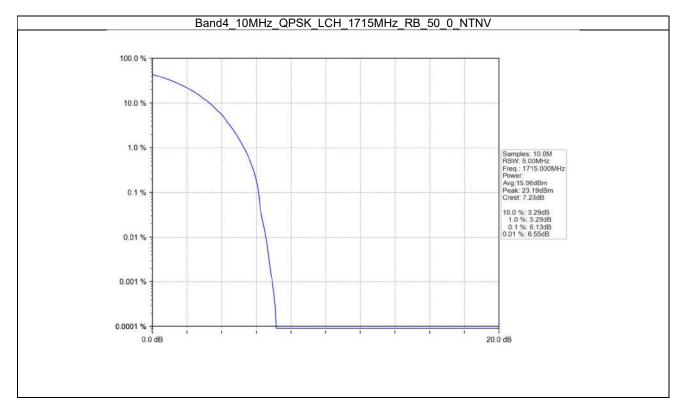
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5.4.2 Test Graph





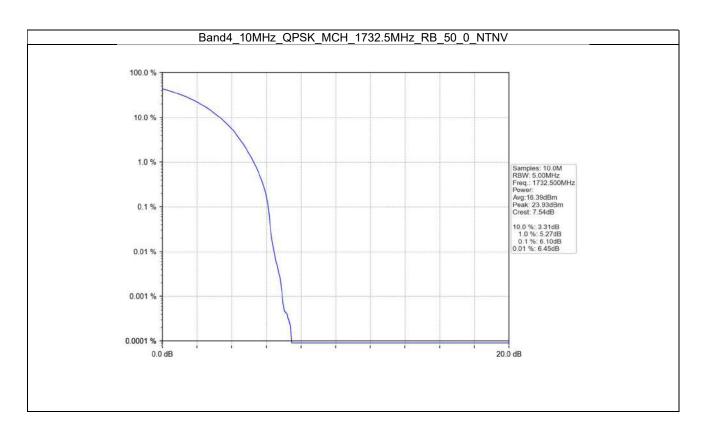
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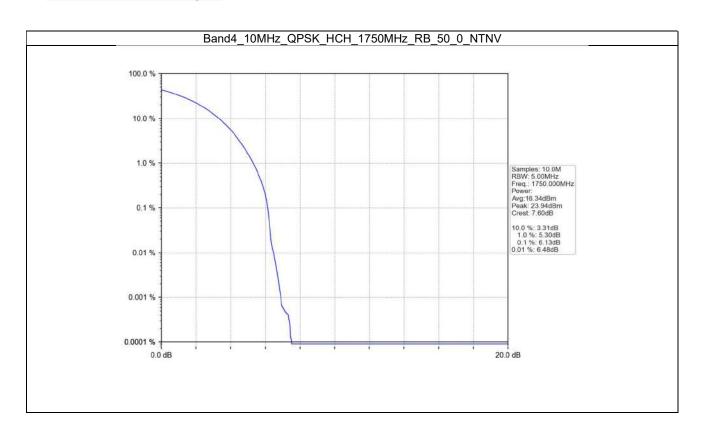


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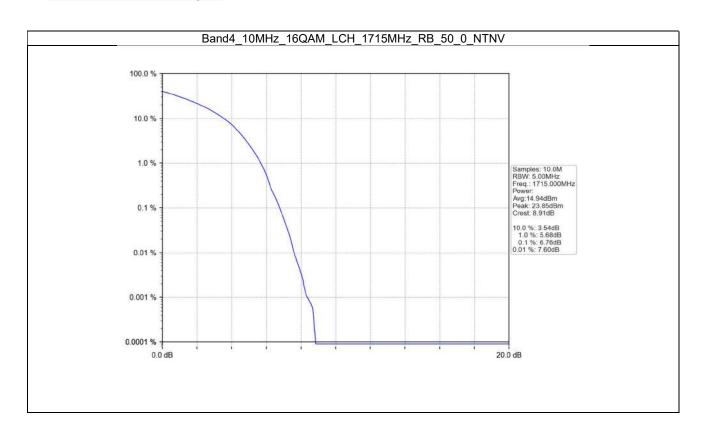
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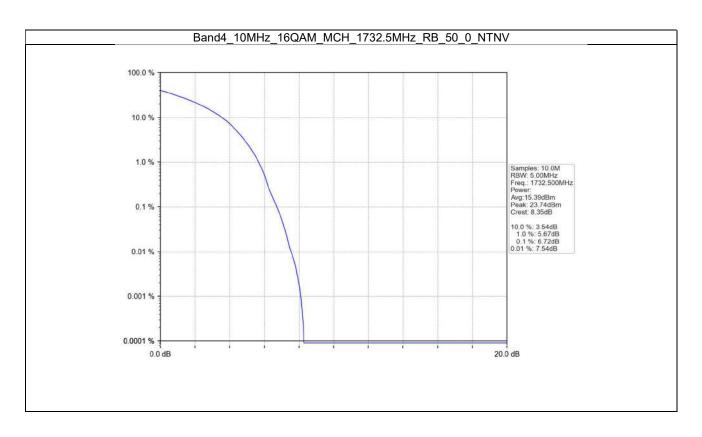
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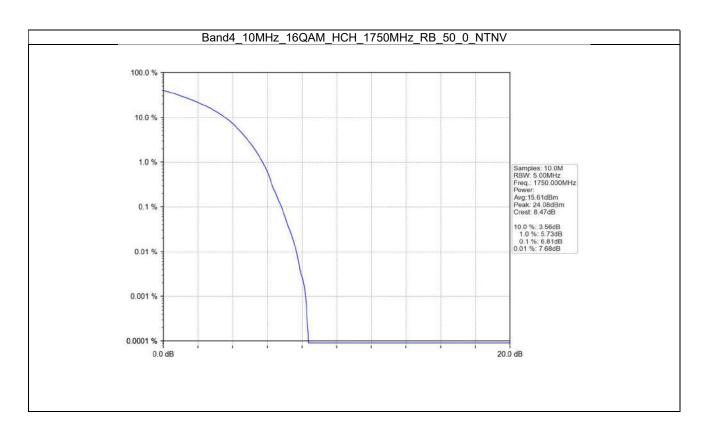
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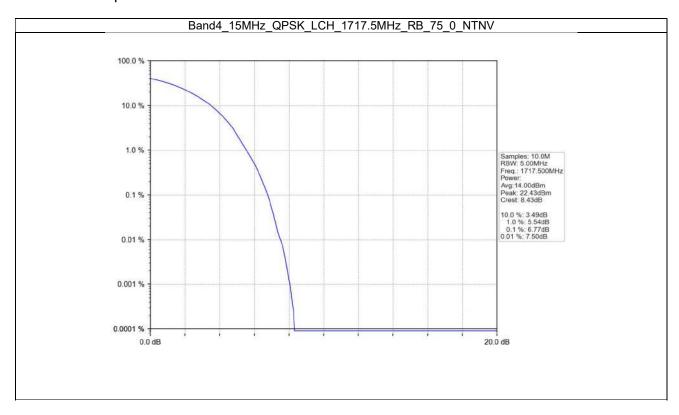
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5.5 B4_15MHz

5.5.1 Test Result

		Ba	and: 4 / Bandwidth	: 15MHz / NTNV		
Madulation	Frequency	RB Allocation		Peak-Average Ratio (dB)		Mondiet
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1717.5	75	0	6.77	<=13	Pass
QPSK	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



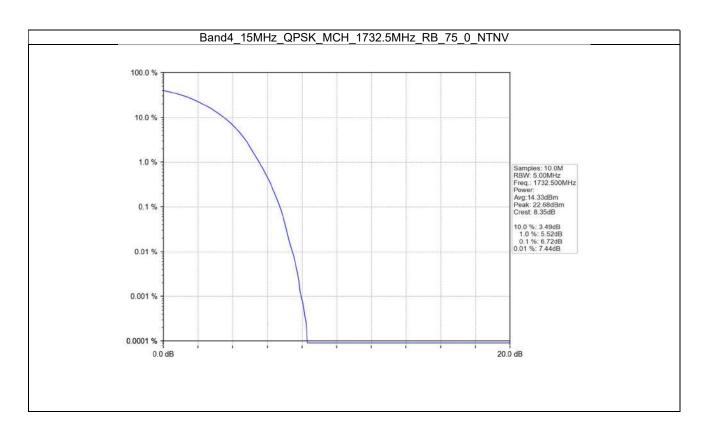


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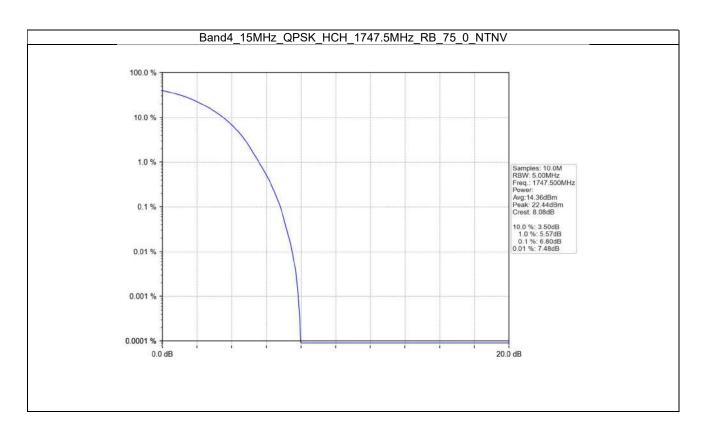


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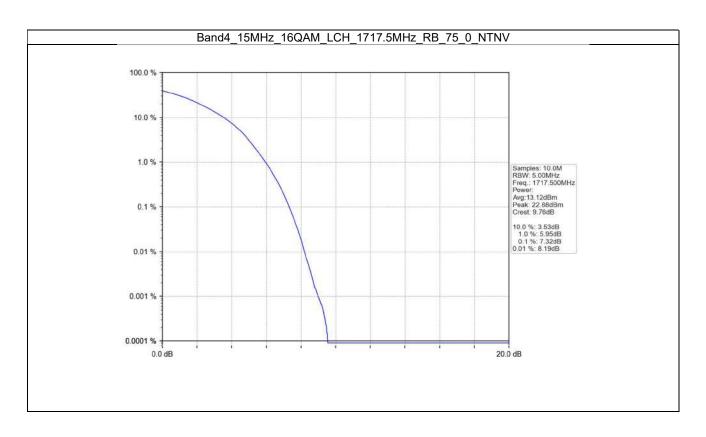
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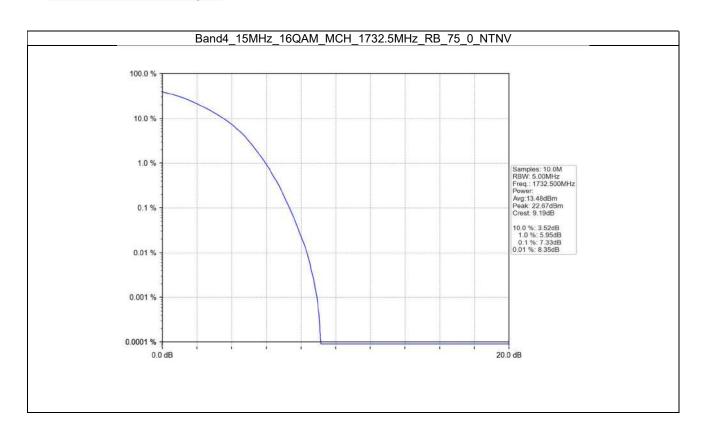
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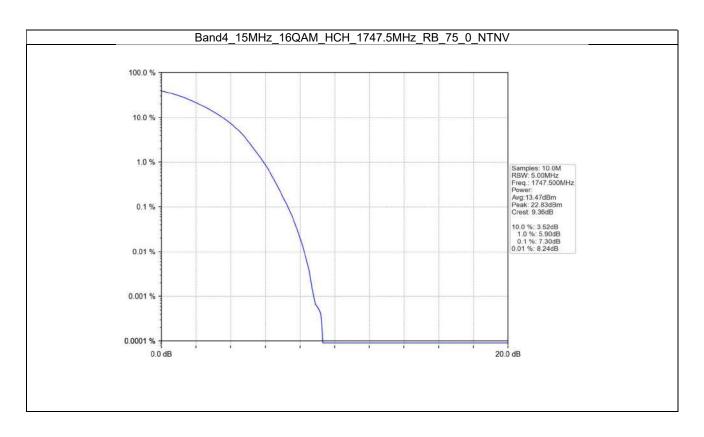
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5.6 B4_20MHz

5.6.1 Test Result

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



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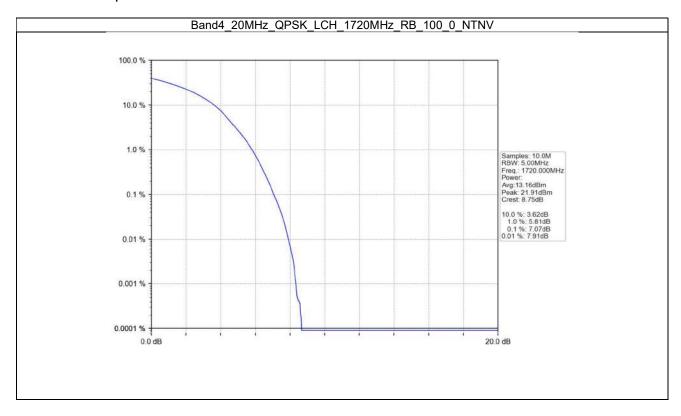
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5.6.2 Test Graph



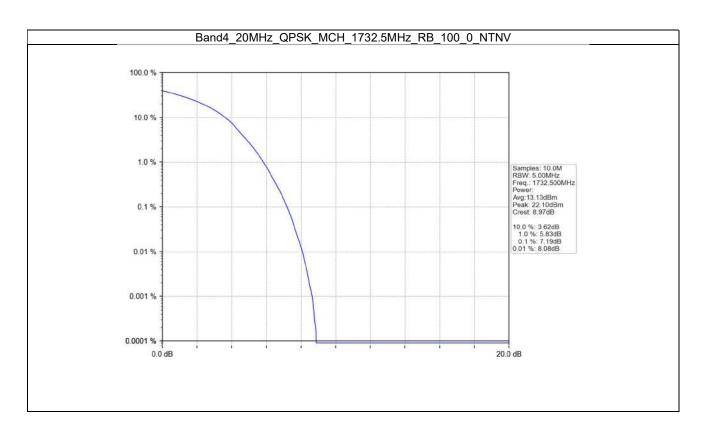


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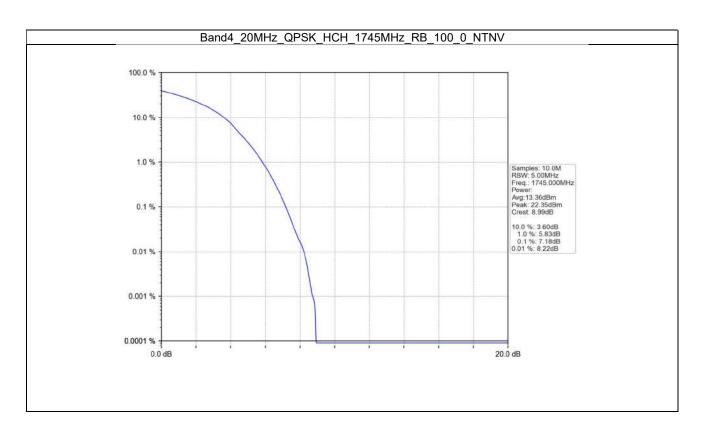
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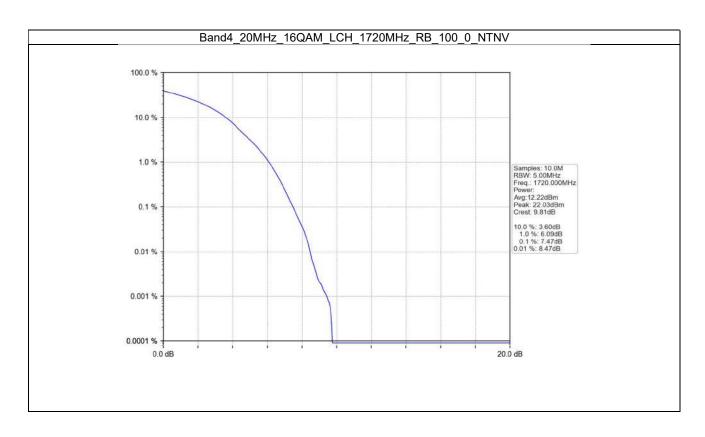
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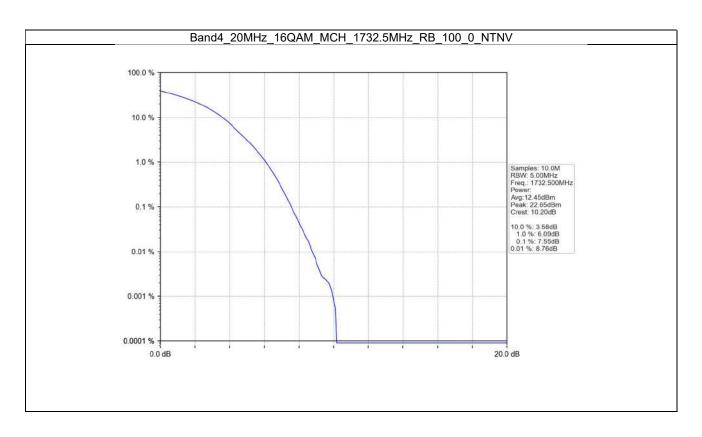
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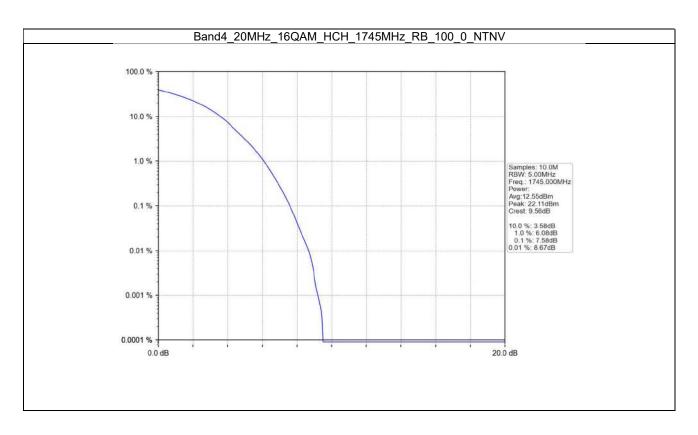


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6. Spurious Emission

6.1 B4_1.4MHz

6.1.1 Test Result

		В	and: 4 / Bandwidth	: 1.4MHz / NTNV			
Modulation	Frequency	RB Allocation		Spurious Emission		Manaliat	
	(MHz)	Size	Offset	Result	Limit	Verdict	
	1710.7	1	0	Refer To Test Graph		Pass	
	17 10.7	6	0	Refer To Test Graph		Pass	
QPSK -	1732.5	1	0	Refer To Test Graph		Pass	
QPSK _	1754.3	4	0	Refer To Test Graph		Pass	
		1754.3	1	5	Refer To Test Graph		Pass
			6	0	Refer To Test Gra	aph	Pass
	1710.7	1710.7	1	0	Refer To Test Gra	aph	Pass
			6	6	0	Refer To Test Graph	
16QAM	1732.5	1	0	Refer To Test Graph		Pass	
	1754.3	1	0	Refer To Test Graph		Pass	
		I	5	Refer To Test Graph		Pass	
		6	0	Refer To Test Gra	aph	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.



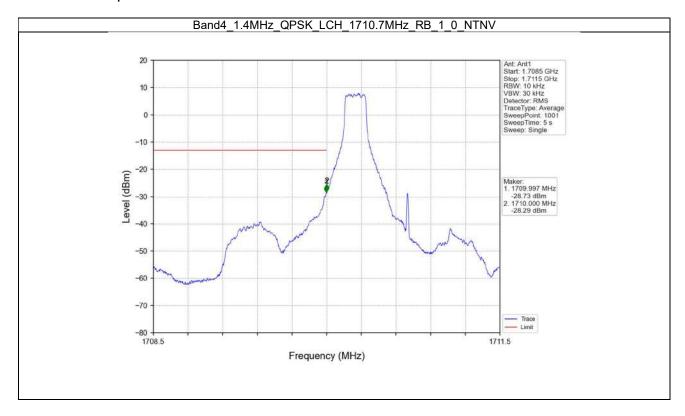
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6.1.2 Test Graph





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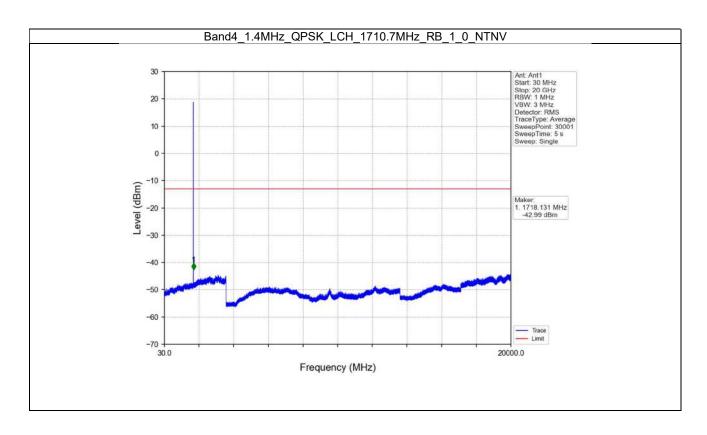
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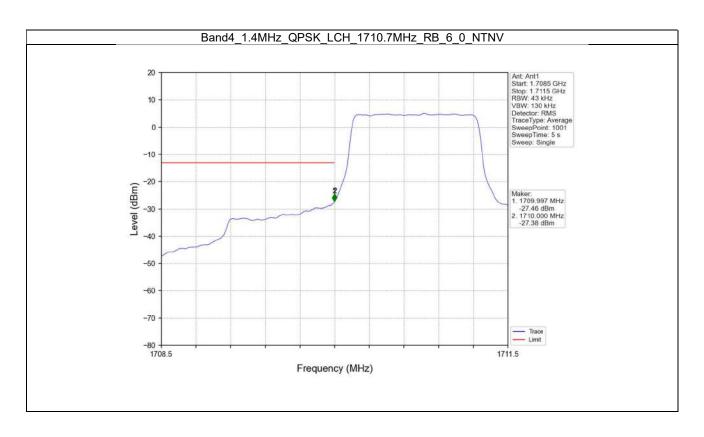
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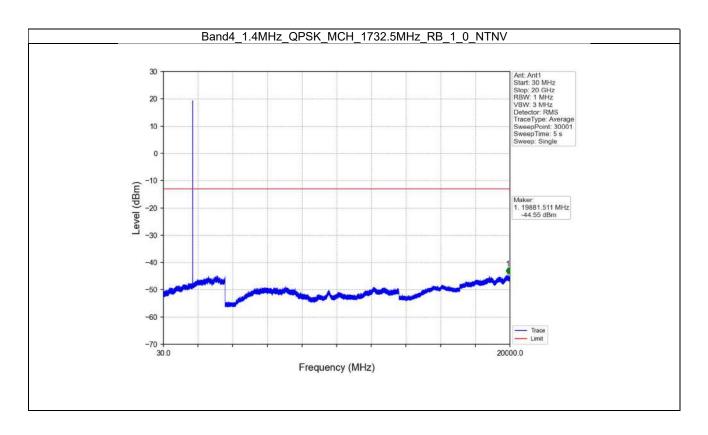
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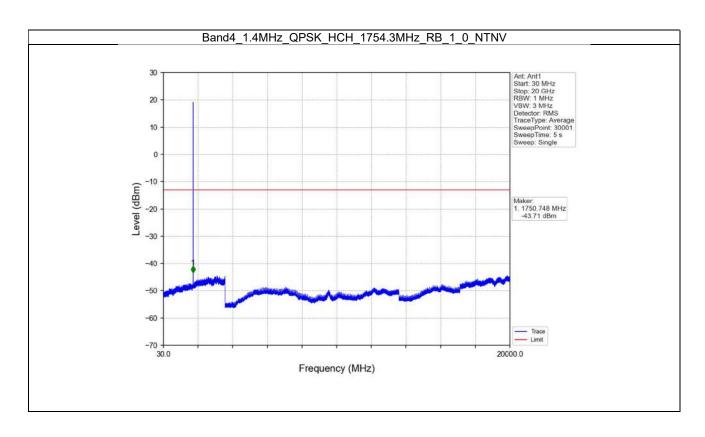
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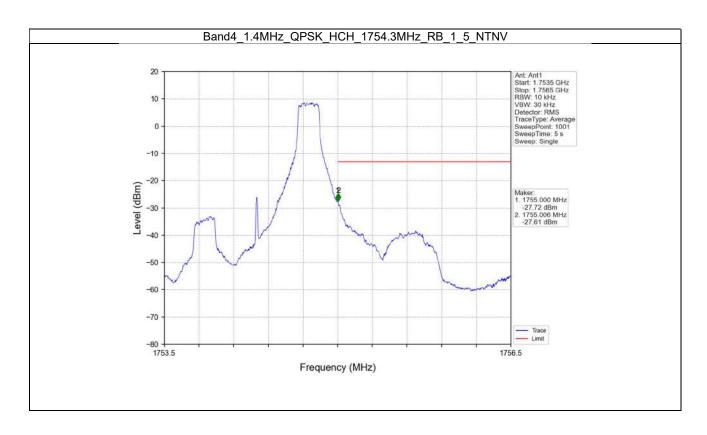
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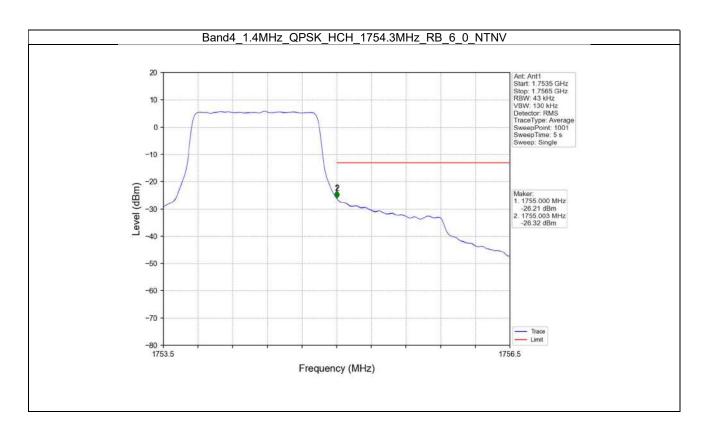
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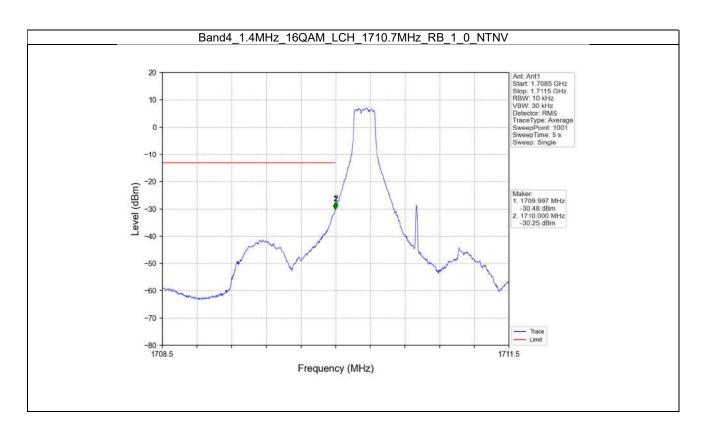
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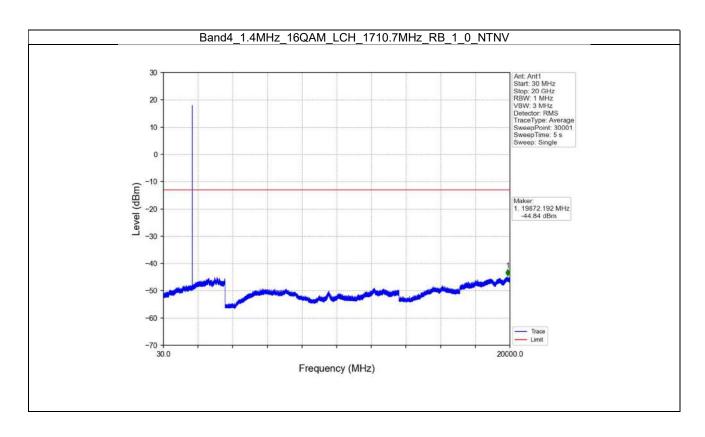
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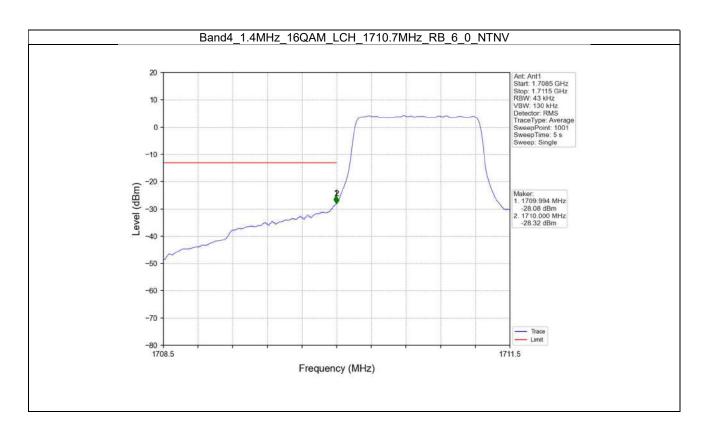
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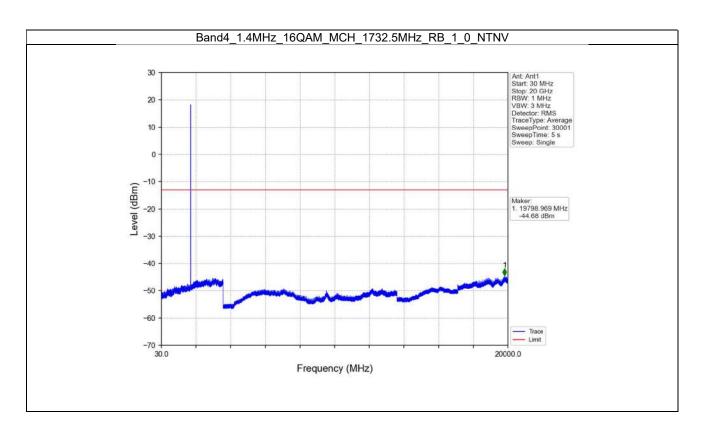
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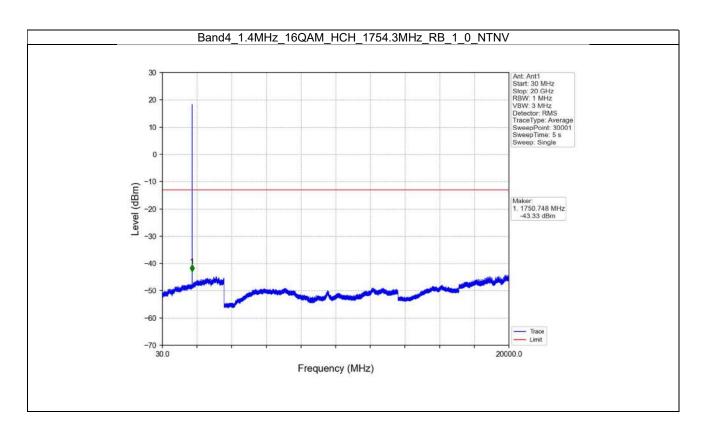
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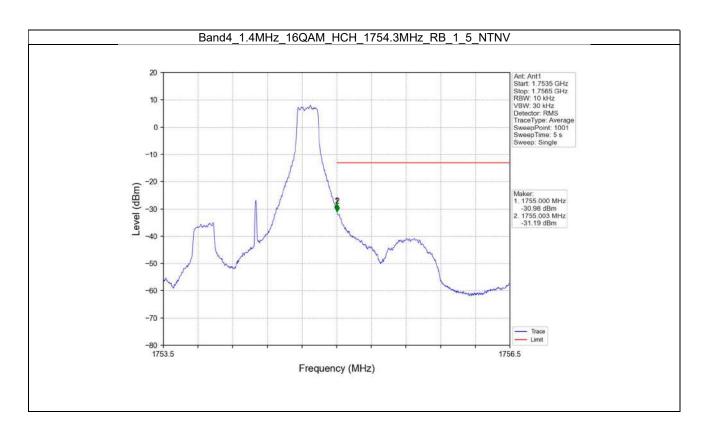
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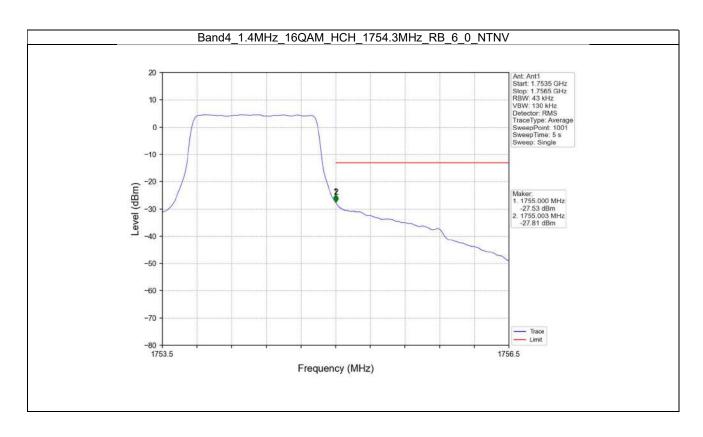
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6.2 B4_3MHz

6.2.1 Test Result

			Band: 4 / Bandwidtl	n: 3MHz / NTNV		
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	7 verdict
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
	1753.5	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
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass



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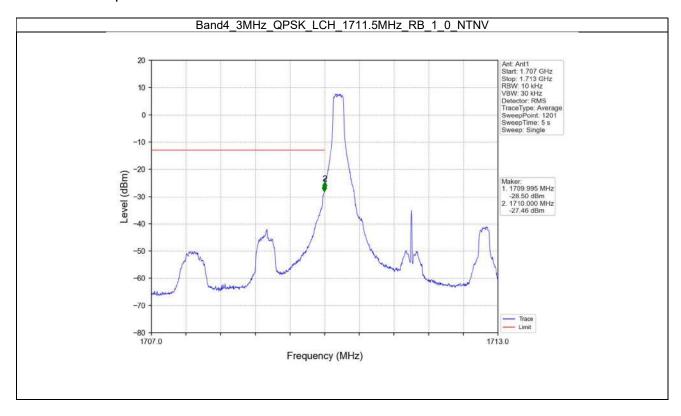
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6.2.2 Test Graph



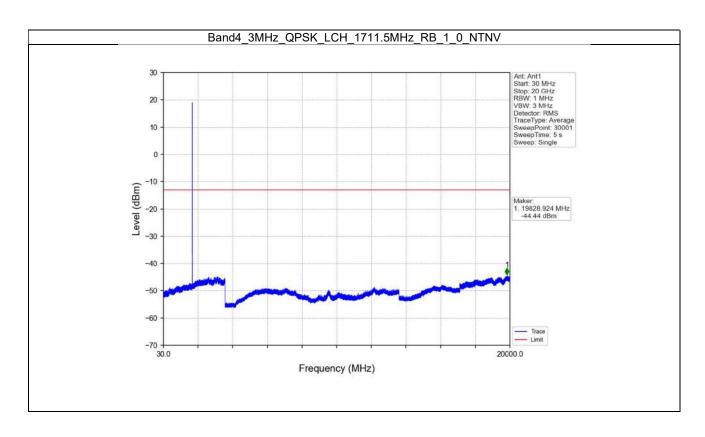


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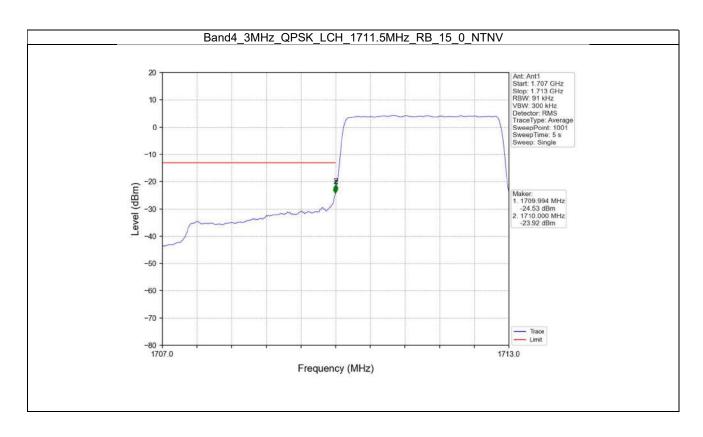
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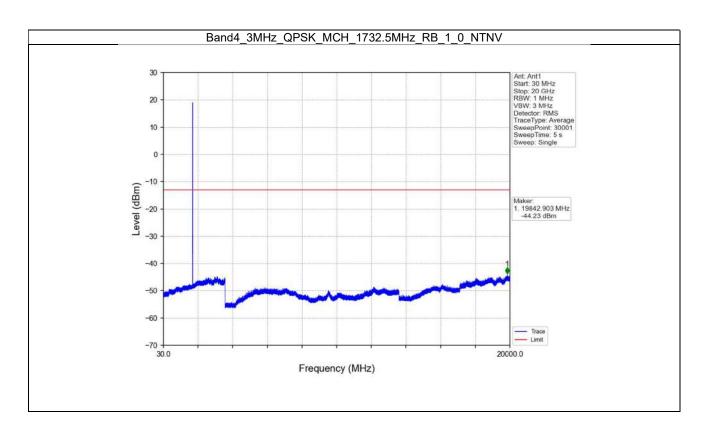
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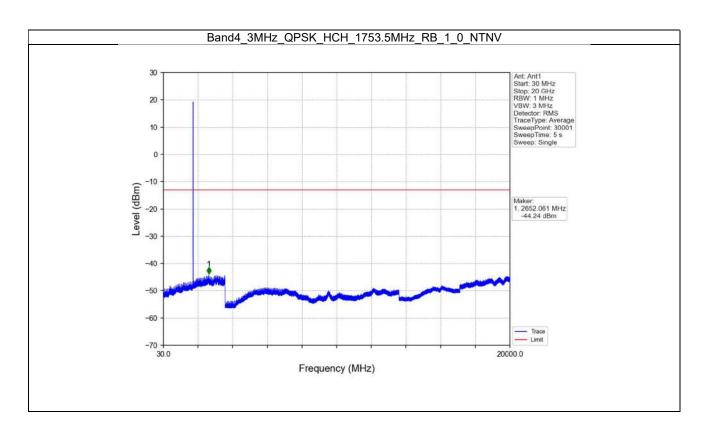
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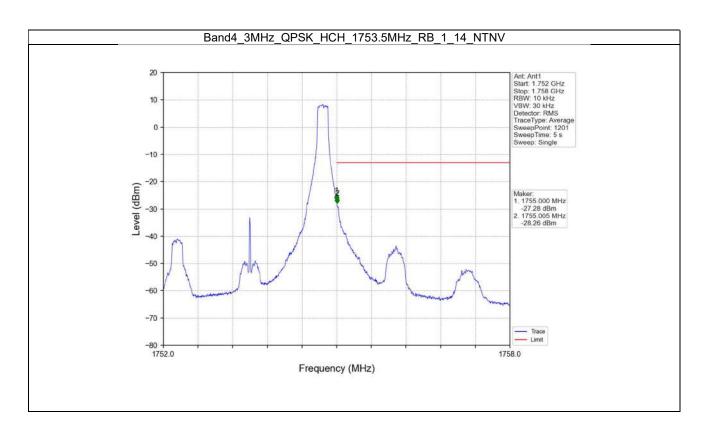
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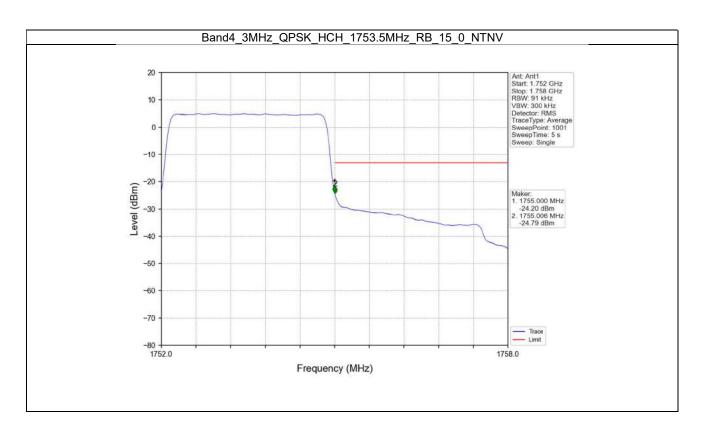
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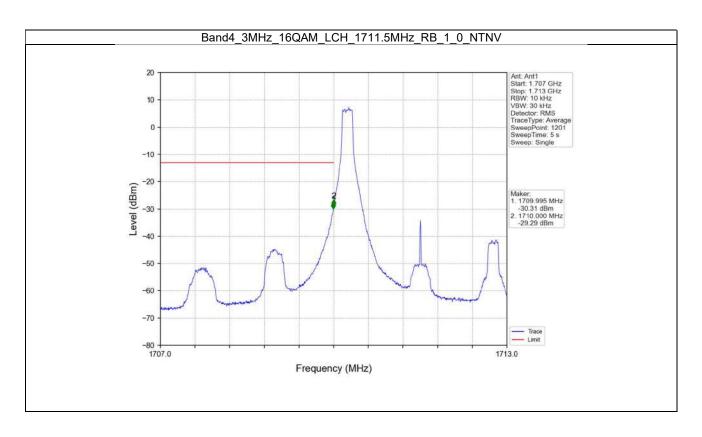
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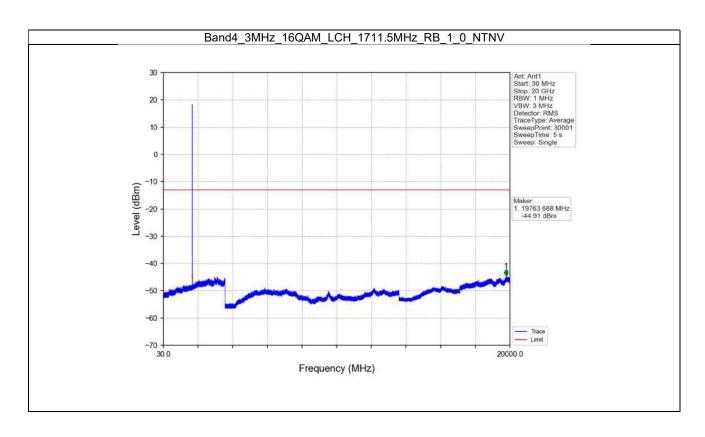
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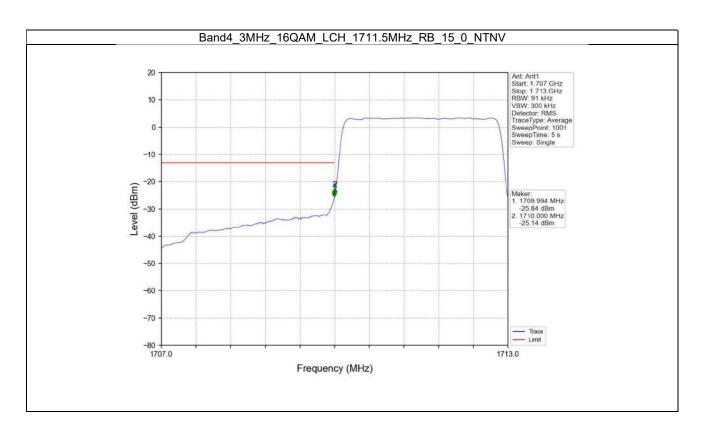
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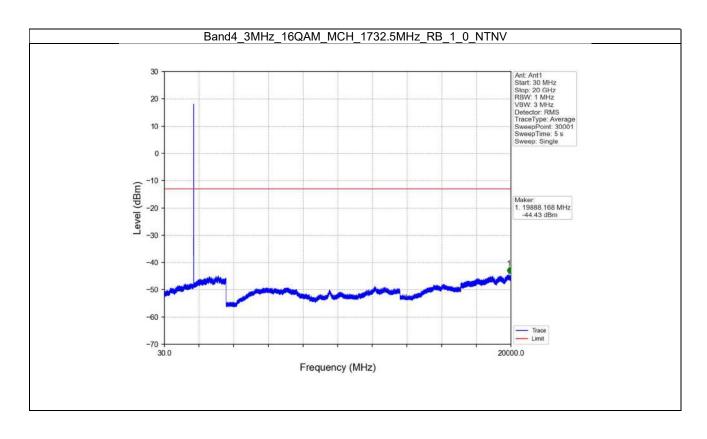
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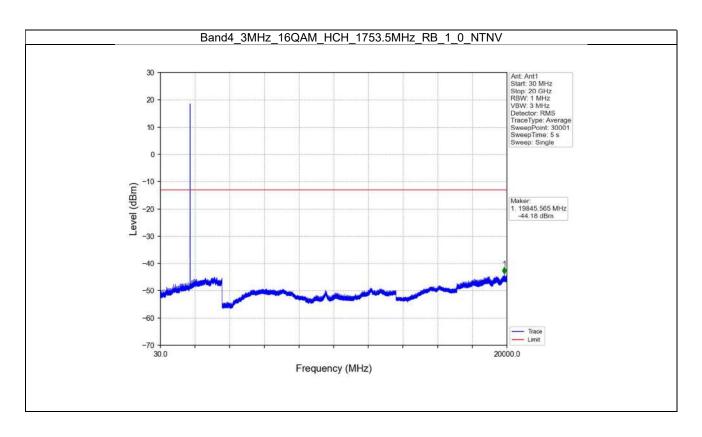
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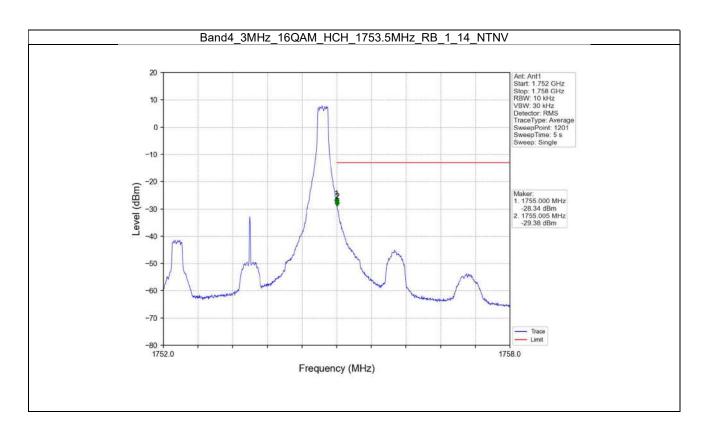
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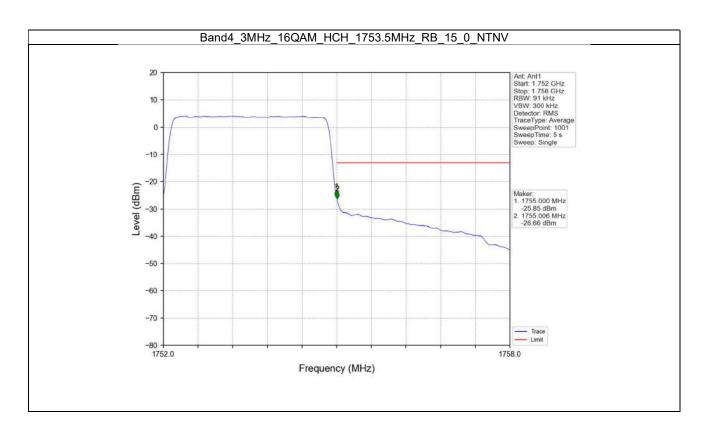
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6.3 B4_5MHz

6.3.1 Test Result

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



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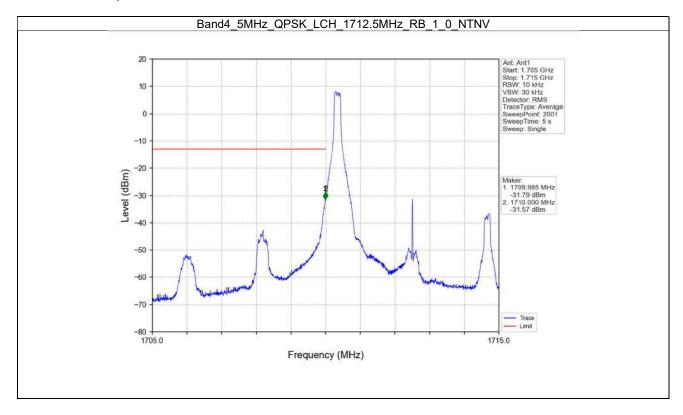
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6.3.2 Test Graph



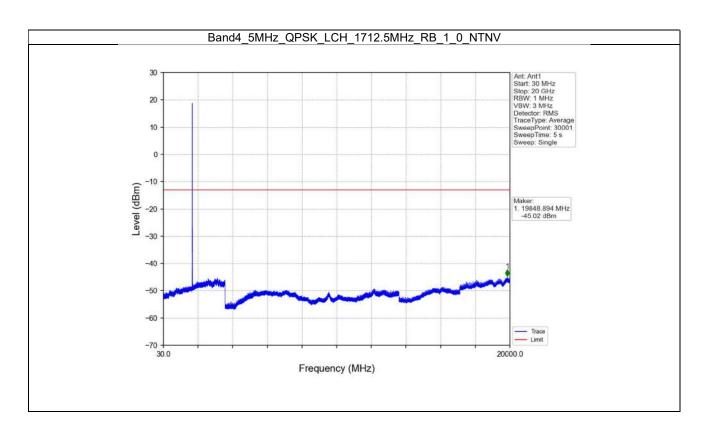


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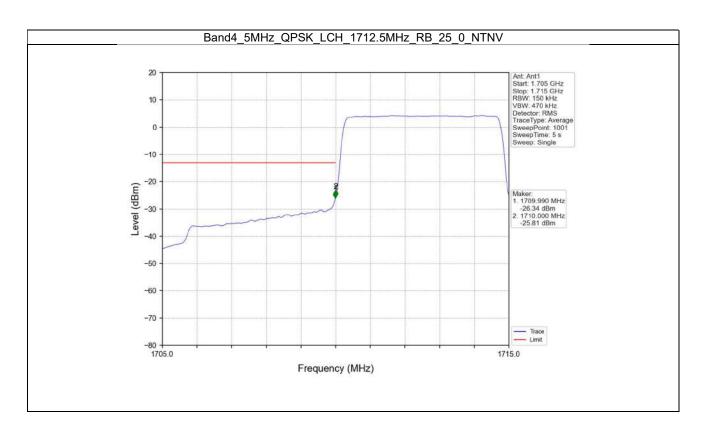
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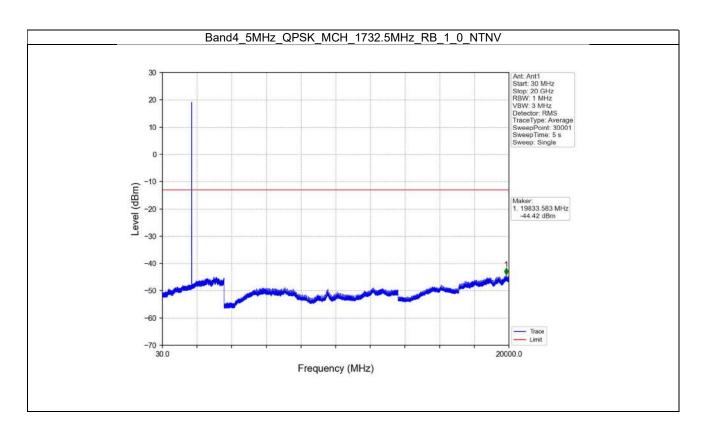
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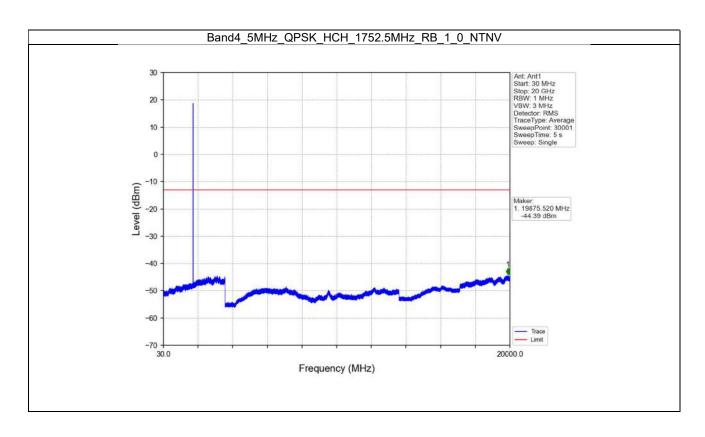
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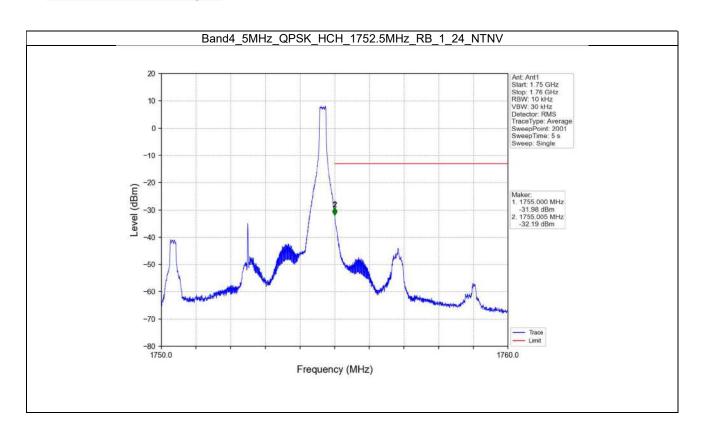
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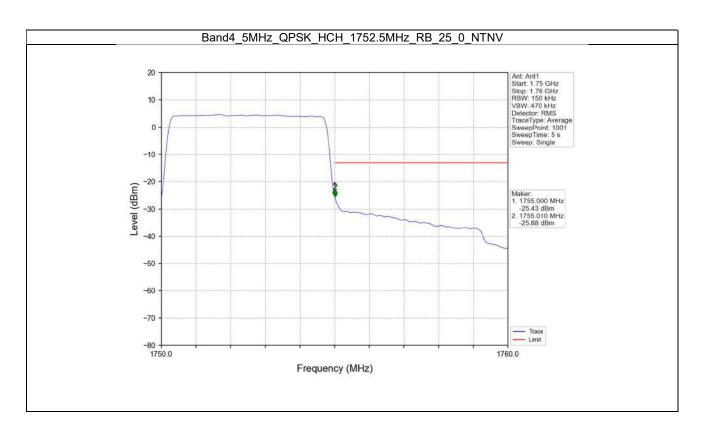
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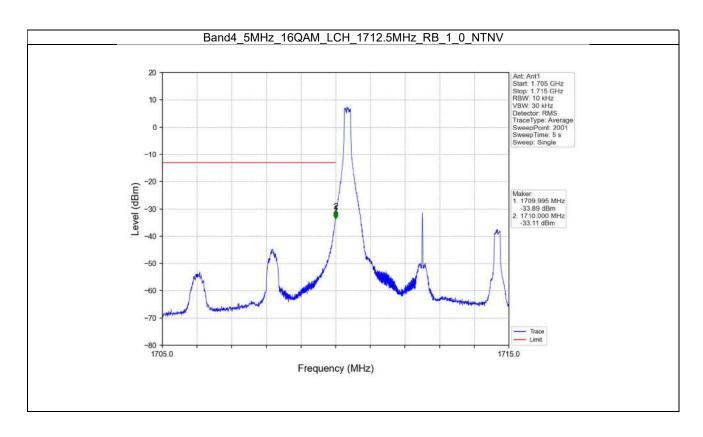
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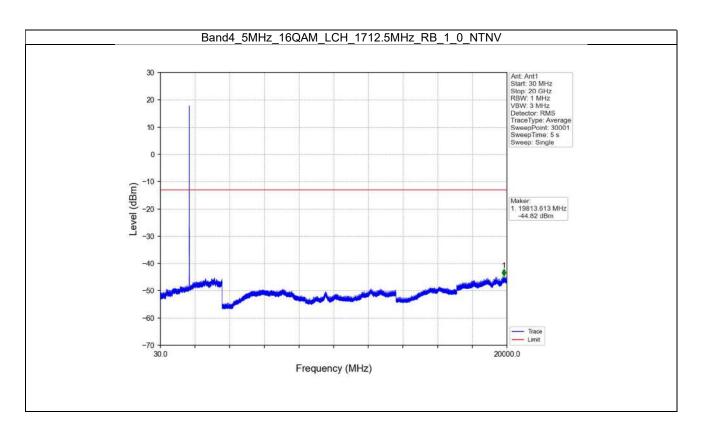
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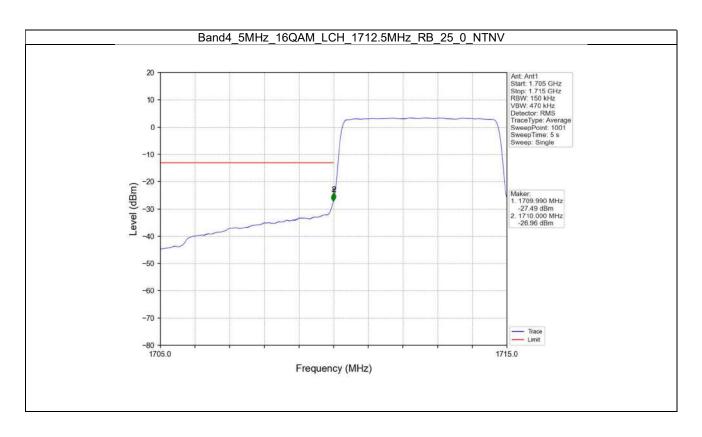
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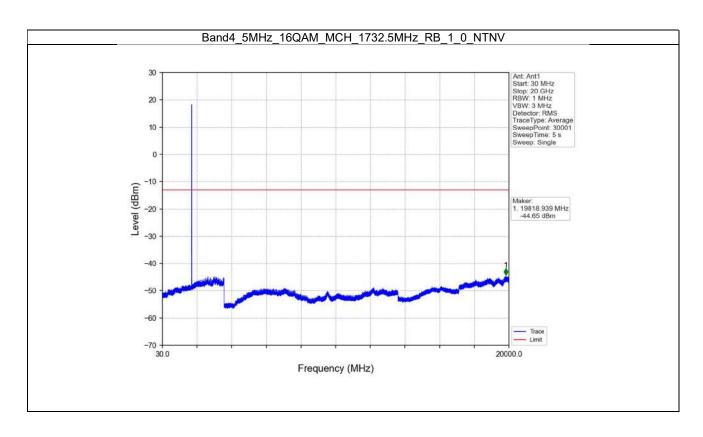
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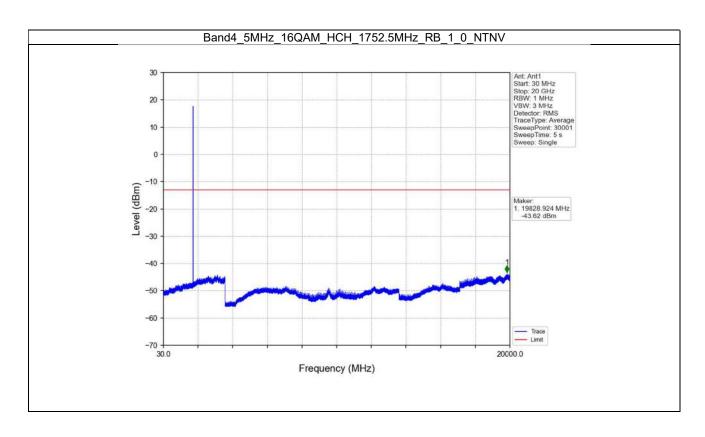
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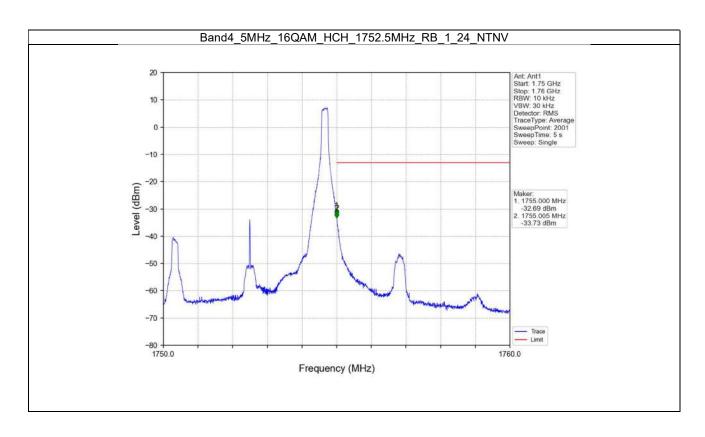
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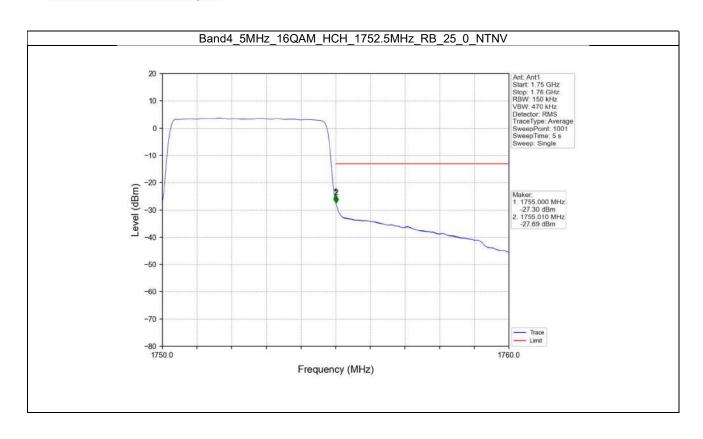
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6.4 B4_10MHz

6.4.1 Test Result

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



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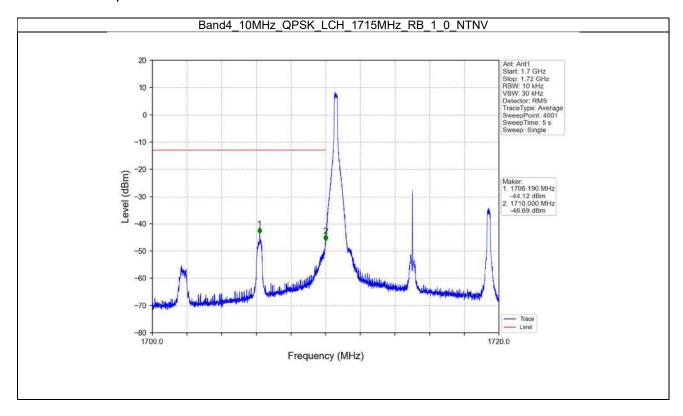
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6.4.2 Test Graph



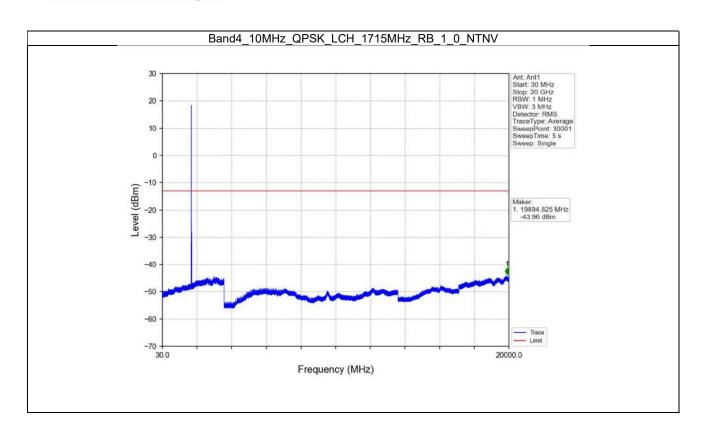


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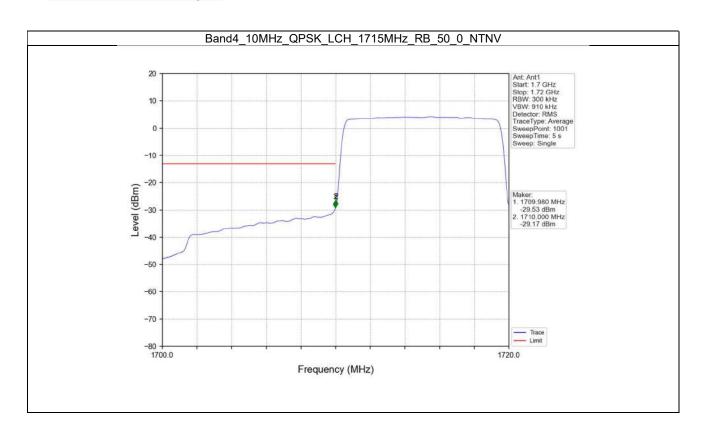
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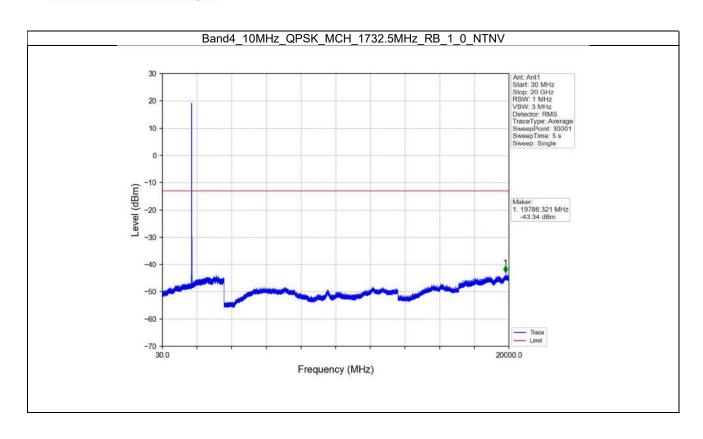
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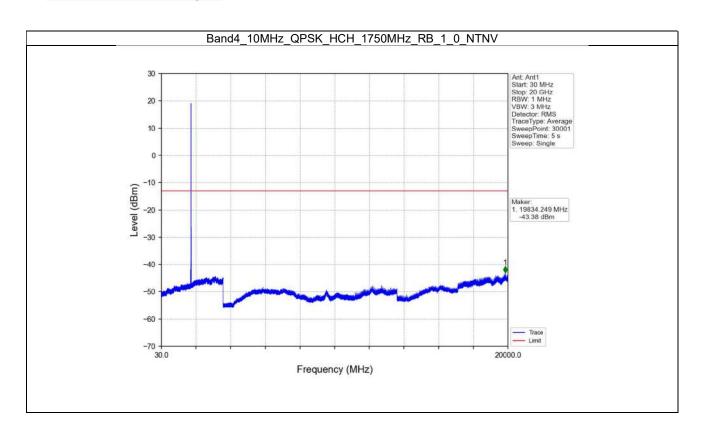
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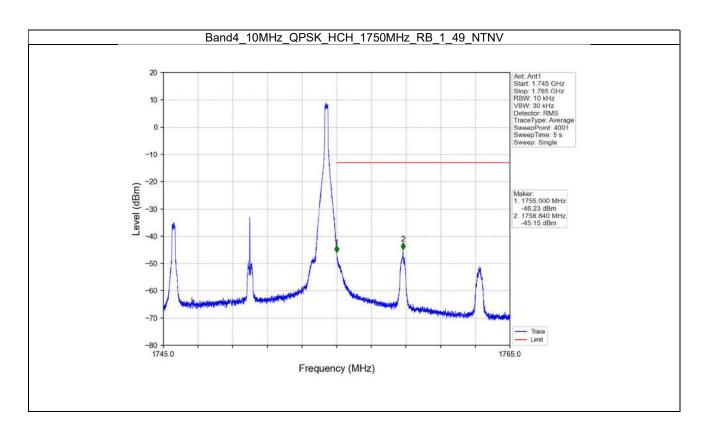
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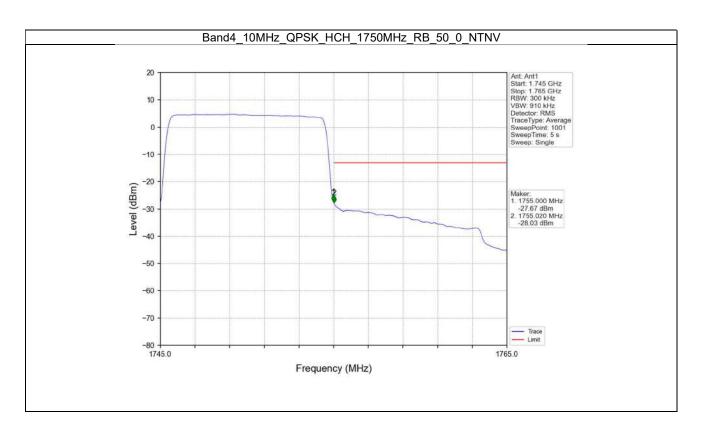
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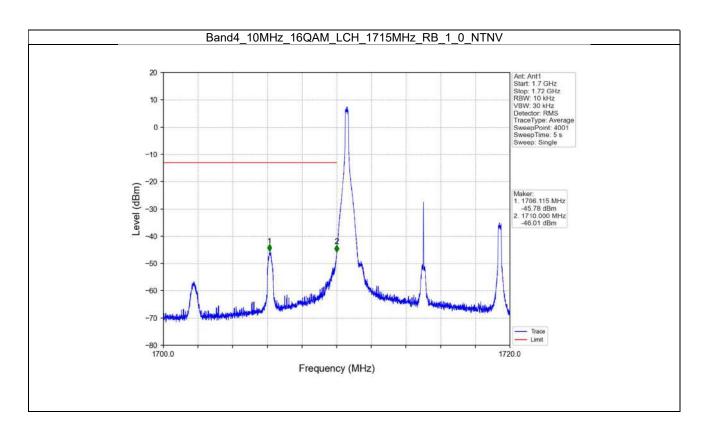
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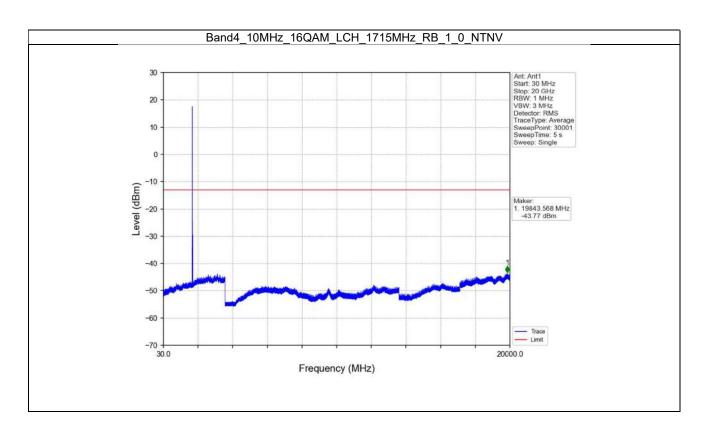
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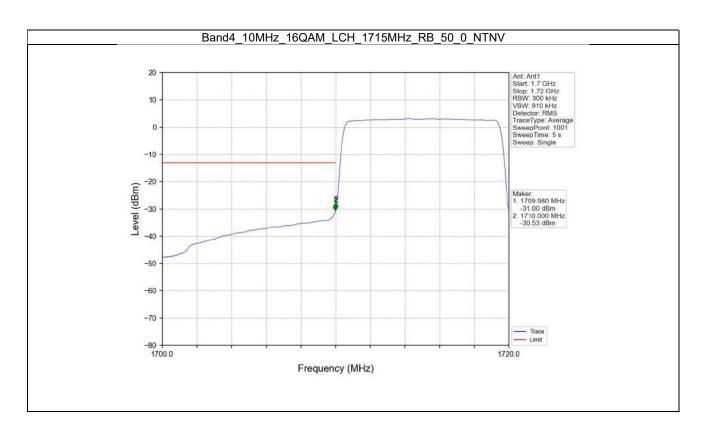
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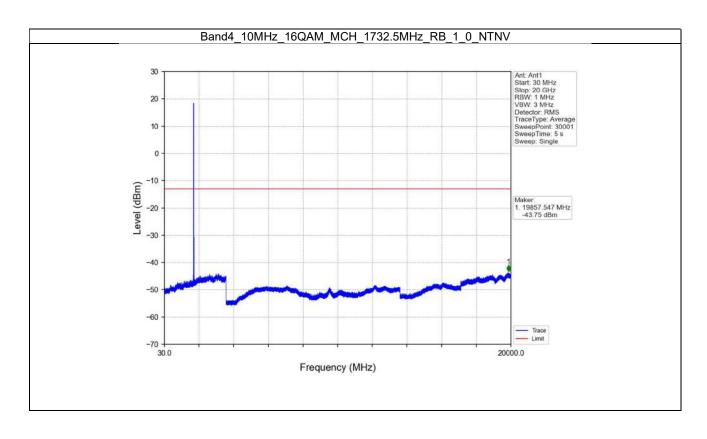
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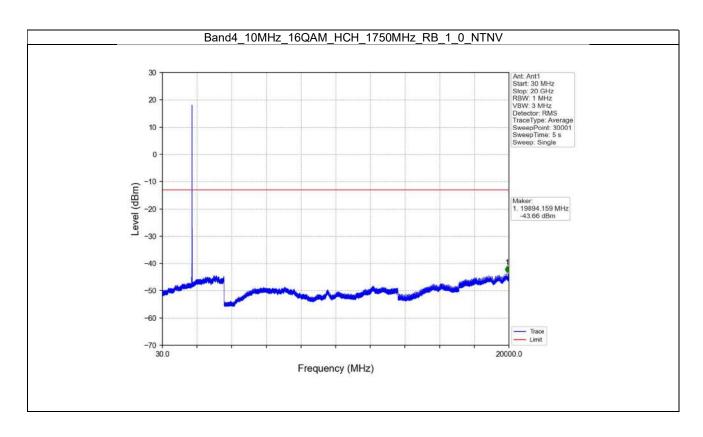
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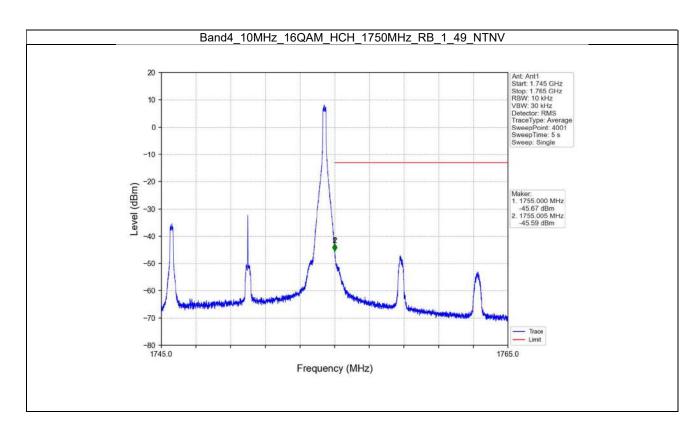
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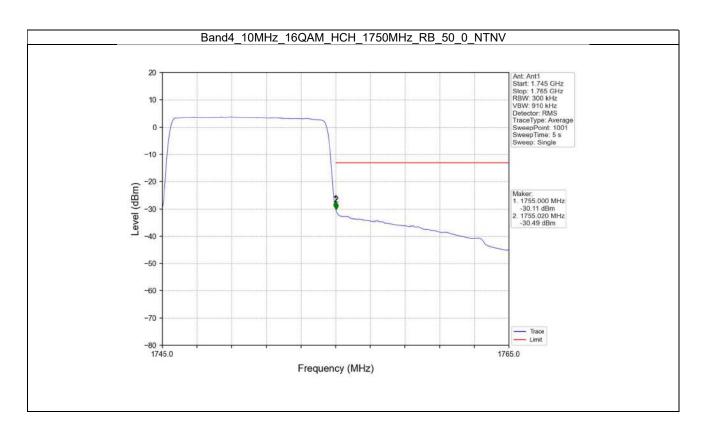
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Test Report Form Version: Rev01



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6.5 B4_15MHz

6.5.1 Test Result

		В	and: 4 / Bandwidth	n: 15MHz / NTNV		
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	verdict
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
	1747.5	1	0	Refer To Test Graph		Pass
			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
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



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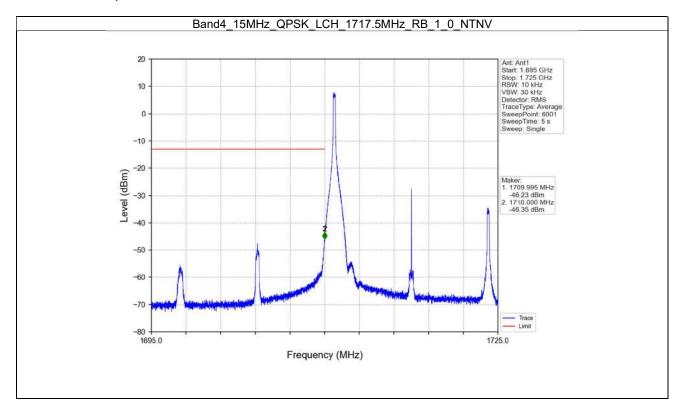
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6.5.2 Test Graph



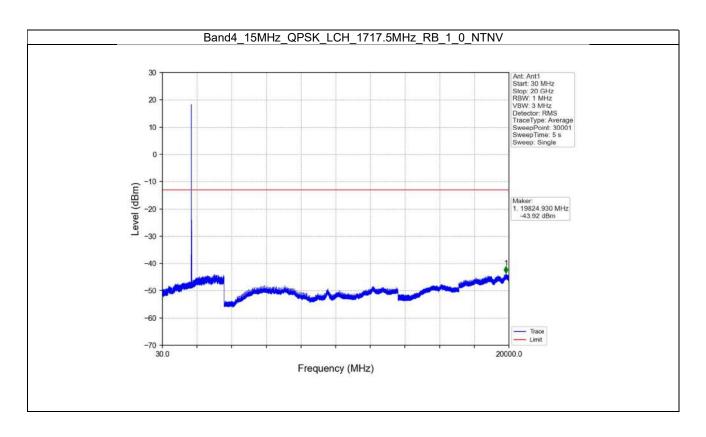


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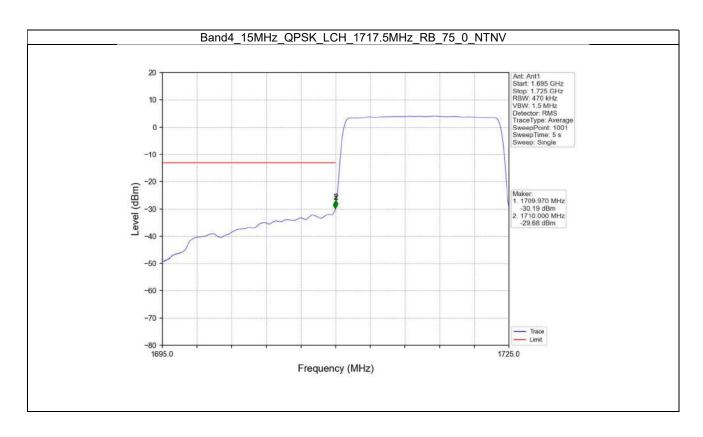
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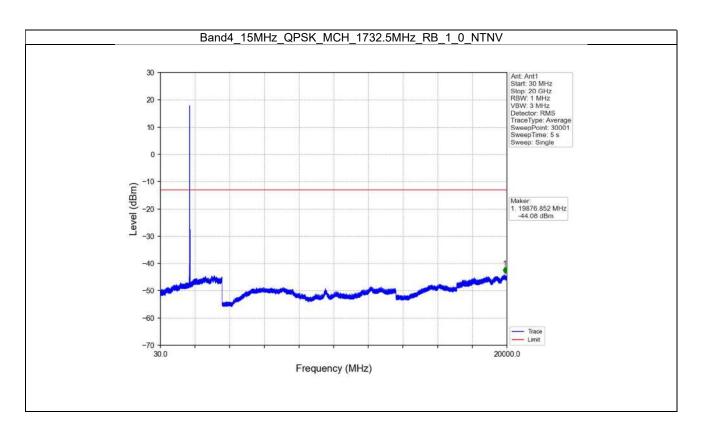
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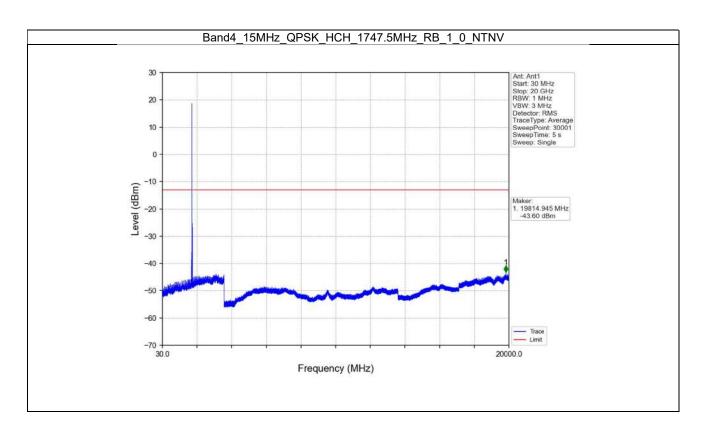
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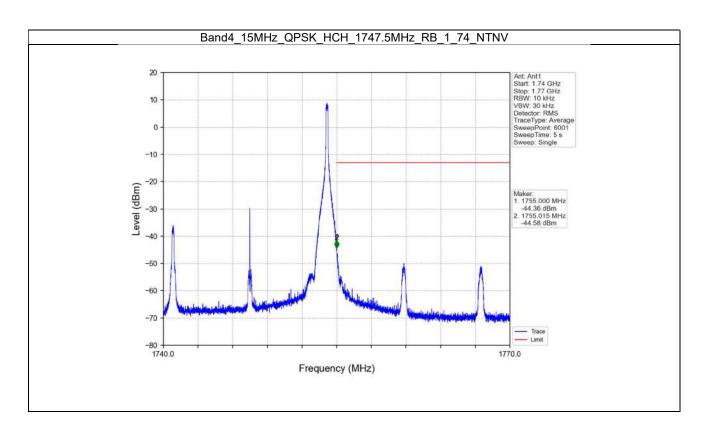
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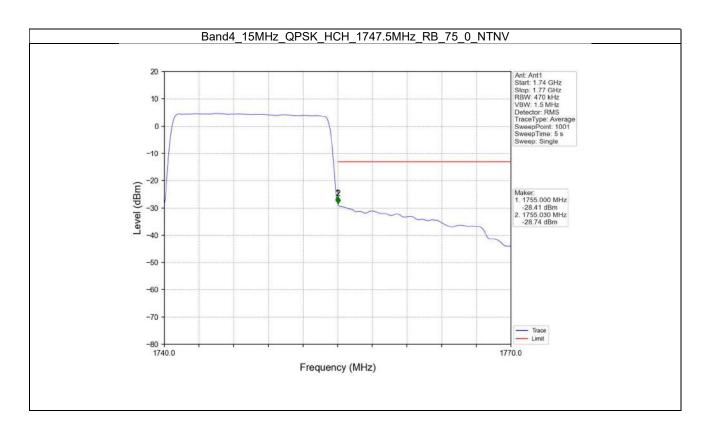
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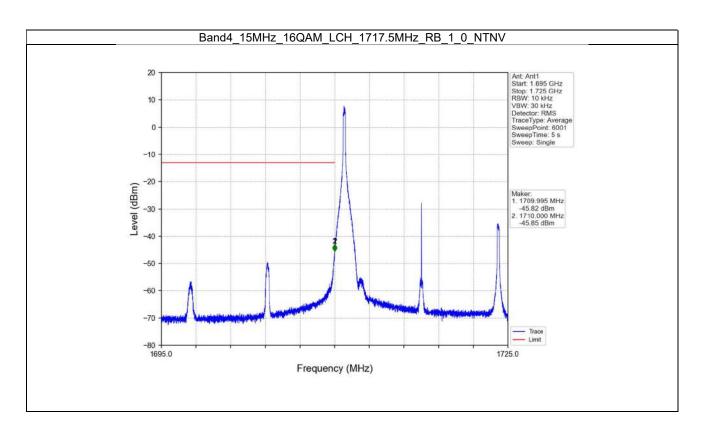
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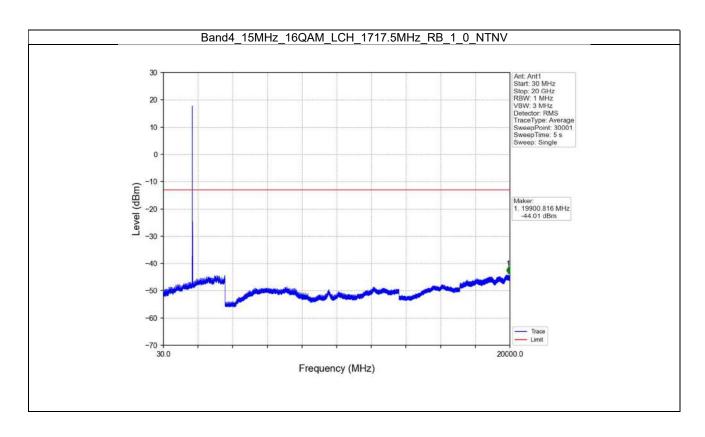
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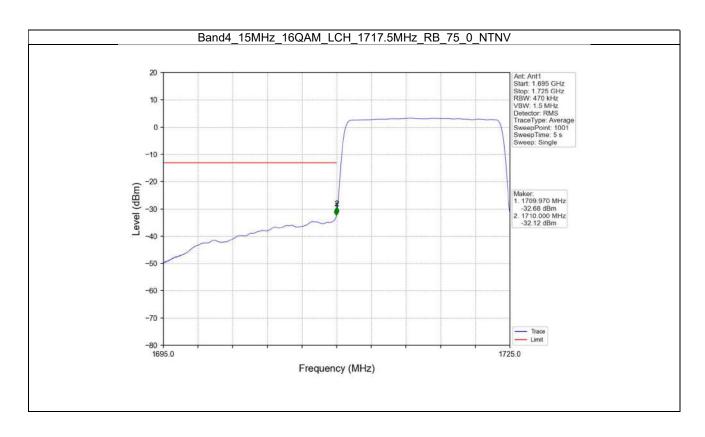
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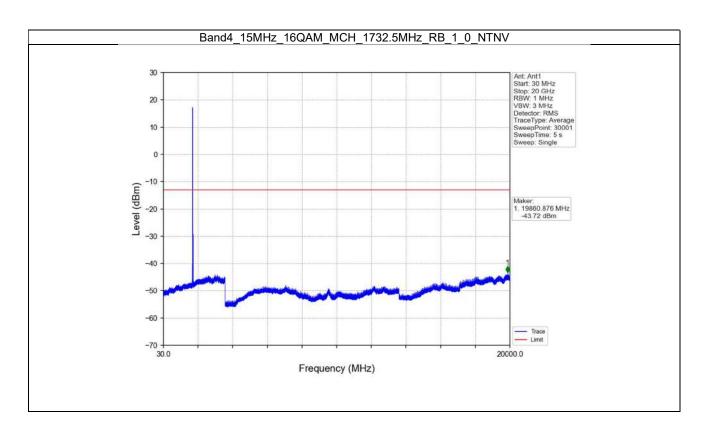
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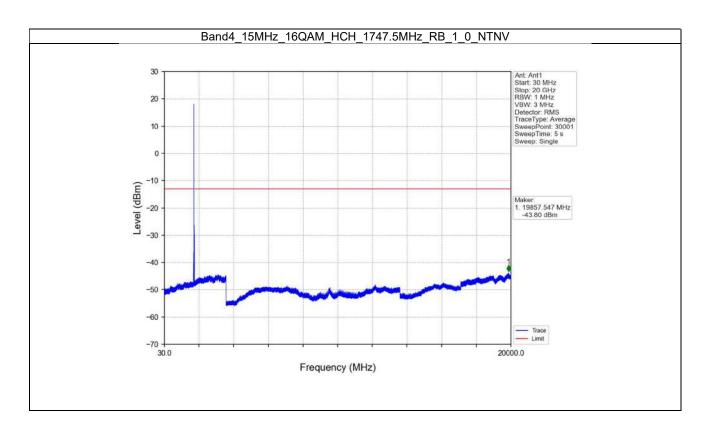
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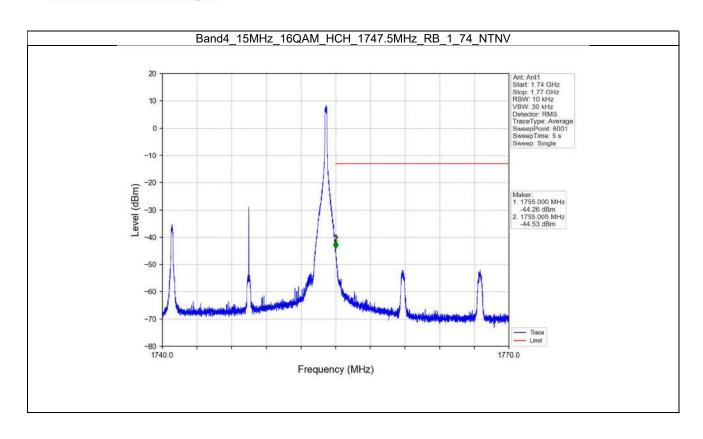
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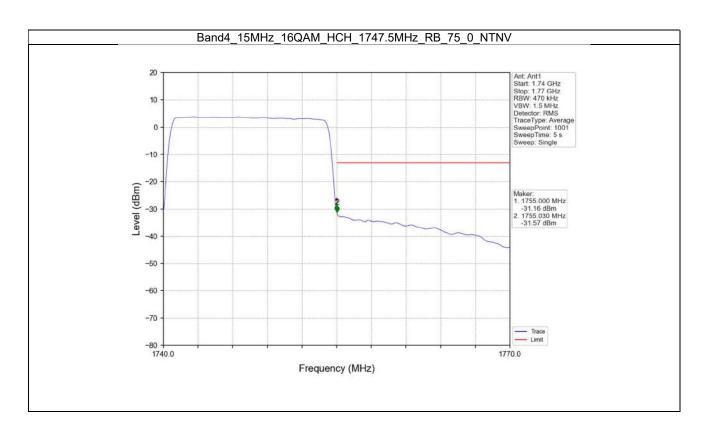
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6.6 B4_20MHz

6.6.1 Test Result

		Е	Band: 4 / Bandwidth	n: 20MHz / NTNV			
Modulation	Frequency	RB All	ocation	Spurious Emiss	sion	Verdict	
Modulation	(MHz)	Size	Offset	Result	Limit	verdict	
	1720	1	0	Refer To Test G	raph	Pass	
	1720	100	0	Refer To Test G	Pass		
QPSK -	1732.5	1	0	Refer To Test G	Pass		
QFSK _	1745	4	0	Refer To Test G	Pass		
		1745	ı	99	Refer To Test G	raph	Pass
		100	0	Refer To Test G	raph	Pass	
	1720	1	0	Refer To Test G	raph	Pass	
	1720	100	0	Refer To Test G	raph	Pass	
16QAM	1732.5	1	0	Refer To Test G	raph	Pass	
10QAW	1745	1	0	Refer To Test G	Pass		
		1745	1	99	Refer To Test G	Pass	
		100	0	Refer To Test G	raph	Pass	



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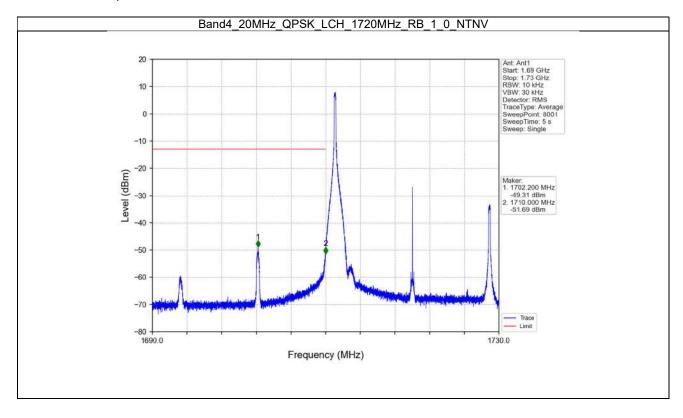
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6.6.2 Test Graph



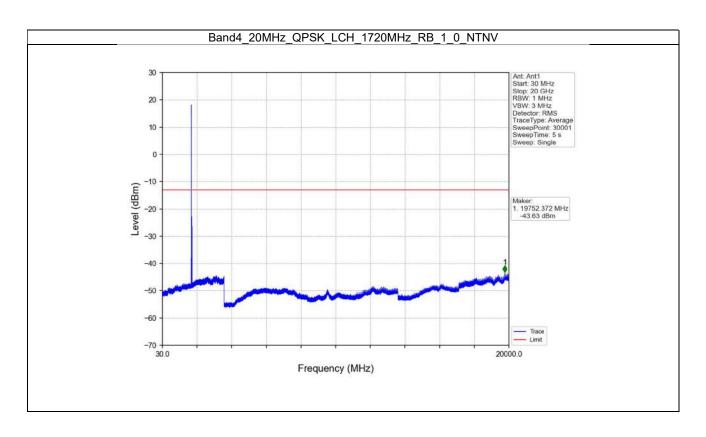


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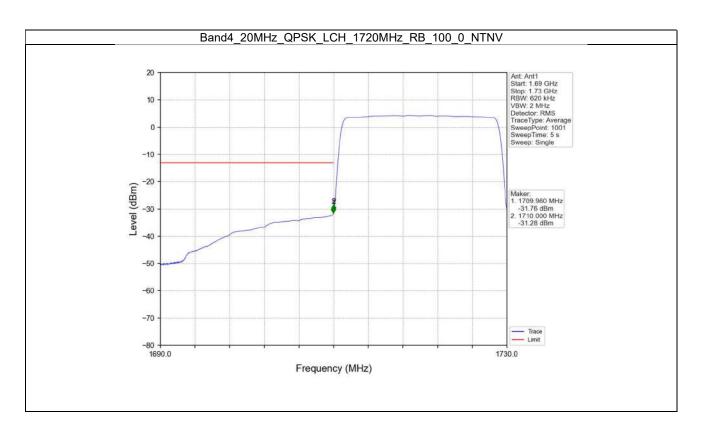
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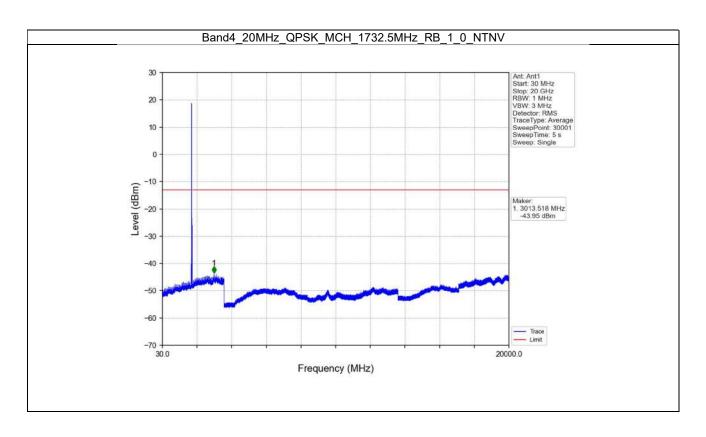
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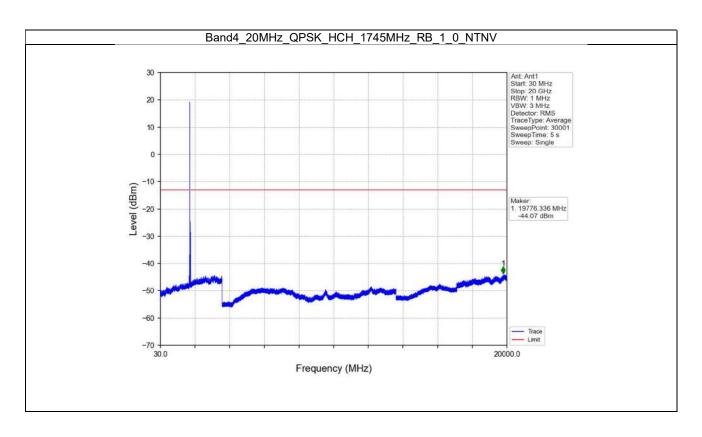
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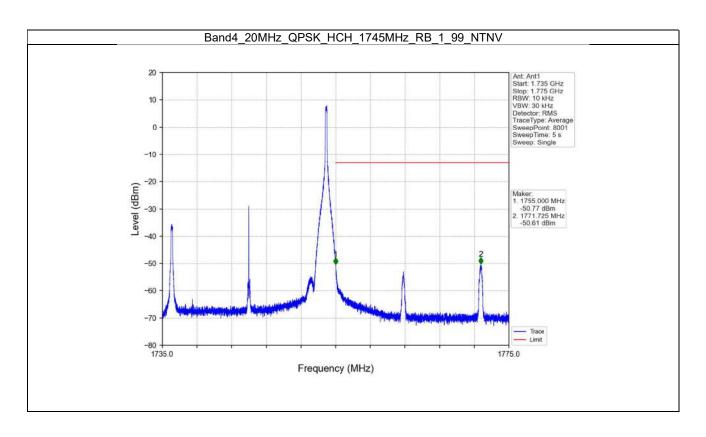
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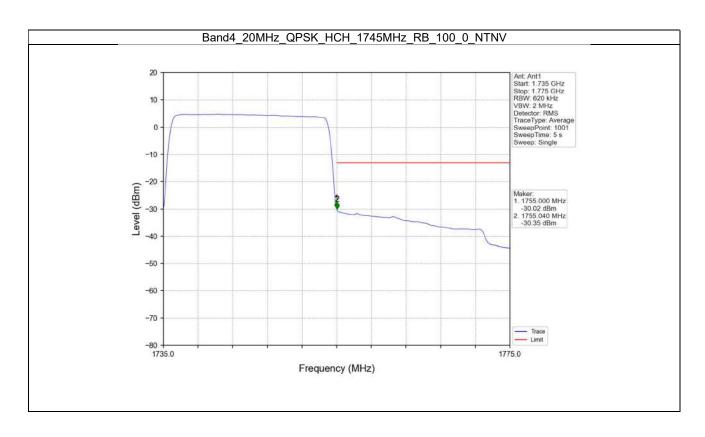
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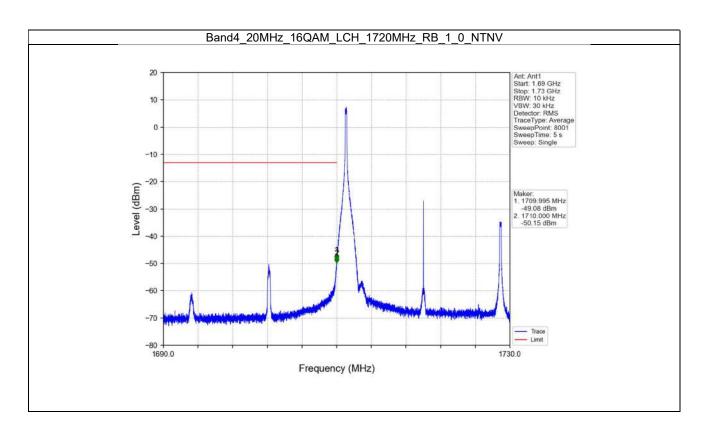
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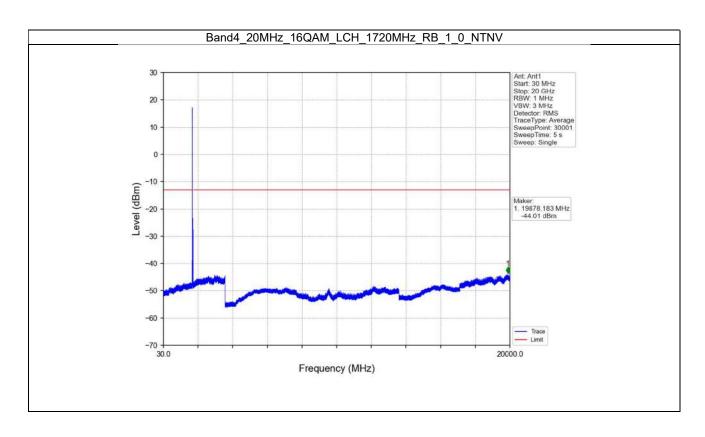
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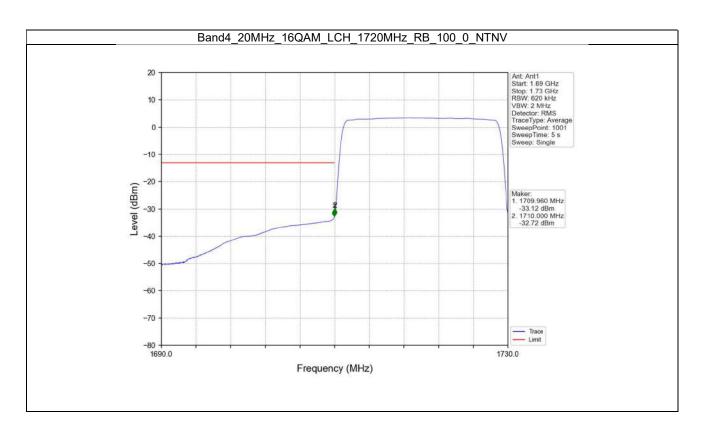
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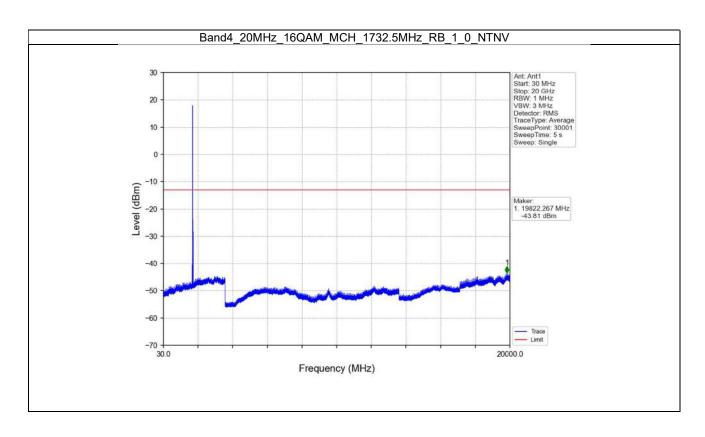
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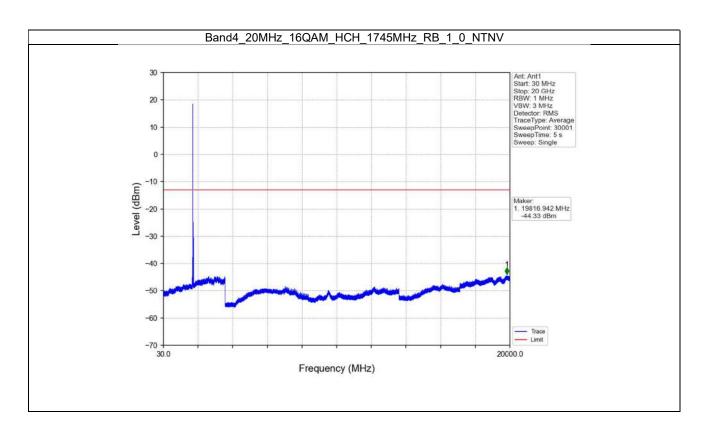
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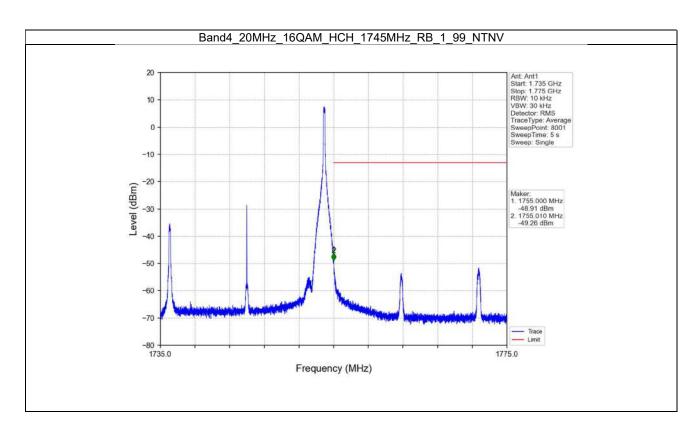
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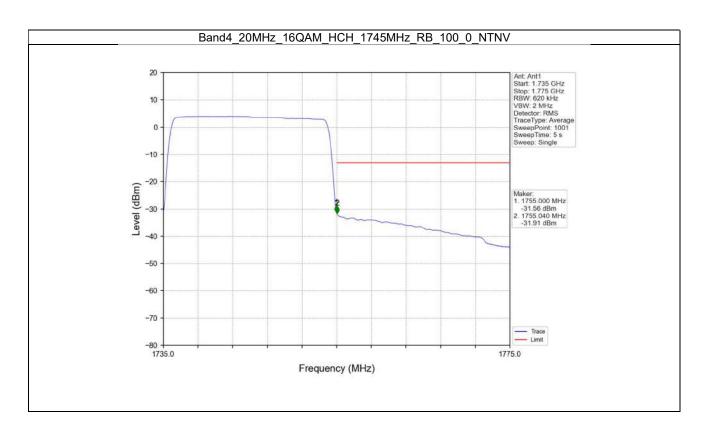
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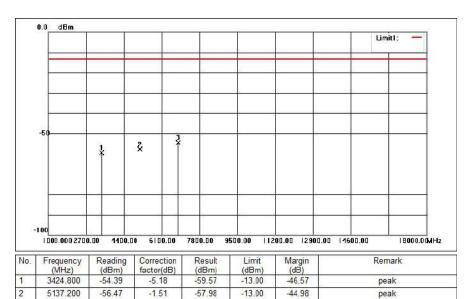
7. Field Strength of Spurious Radiation

6849.600

Up Antenna

LTE BAND 4-20MHz-Low channel

Polarization: H



-13.00

-41.28

peak



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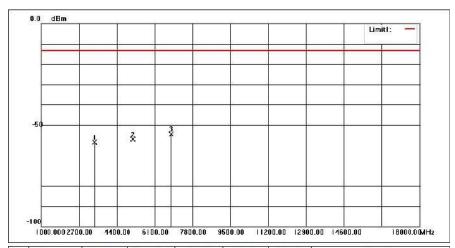
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Polarization: V



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	6849.600	-56.46	2.01	-54.45	-13.00	-41.45	peak



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6930.400

-56.00

2.05

-53.95

-13.00

-40.95

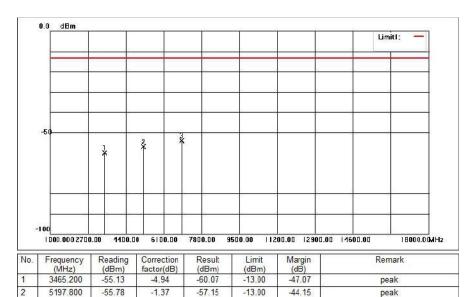
peak

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LTE BAND 4-20MHz-Middle channel

Polarization: H





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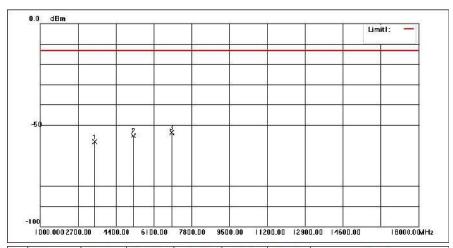
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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	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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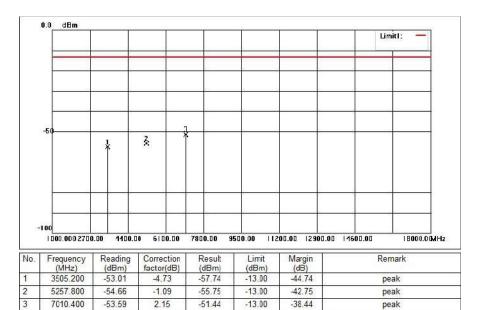
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LTE BAND 4-20MHz-High channel

Polarization: H





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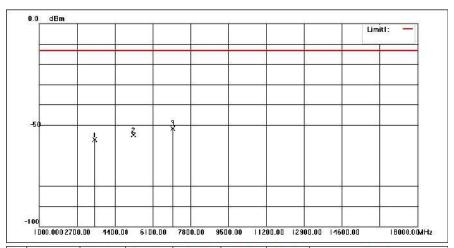
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Polarization: V



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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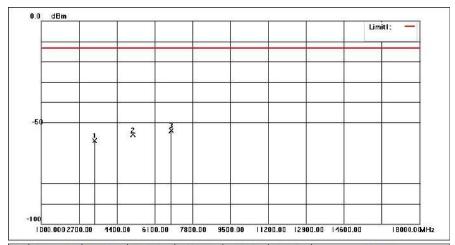


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Down Antenna

LTE BAND 4-20MHz-Low channel

Polarization: H



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3424.800	-53.99	-5.18	-59.17	-13.00	-46.17	peak
2	5137.200	-54.55	-1.51	-56.06	-13.00	-43.06	peak
3	6849.600	-55.78	2.01	-53.77	-13.00	-40.77	peak



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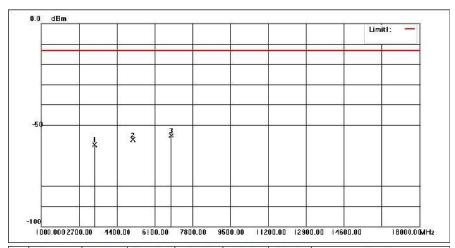
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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	
1	3424.800	-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	6849.600	-57.18	2.01	-55.17	-13.00	-42.17	peak	



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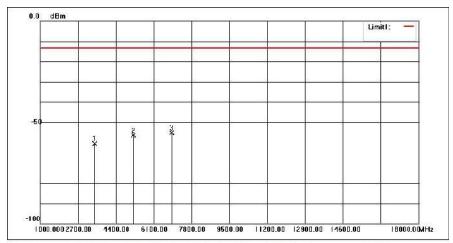
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LTE BAND 4-20MHz-Middle channel

Polarization: H



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3465.200	-55.59	-4.94	-60.53	-13.00	-47.53	peak
2	5197.800	-54.93	-1.37	-56.30	-13.00	-43.30	peak
3	6930.400	-57.29	2.05	-55.24	-13.00	-42.24	peak



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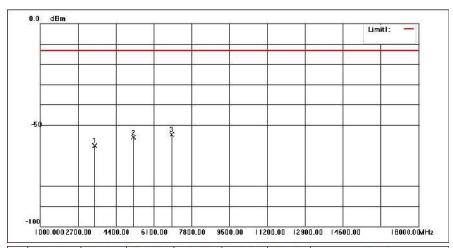
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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	
1	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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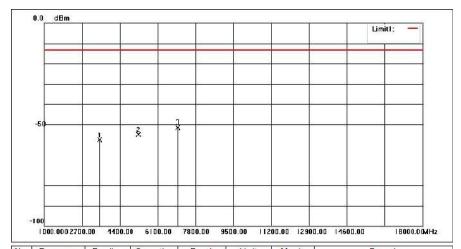
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LTE BAND 4-20MHz-High channel

Polarization: H



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	
1	3505.200	-53.01	-4.73	-57.74	-13.00	-44.74	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	



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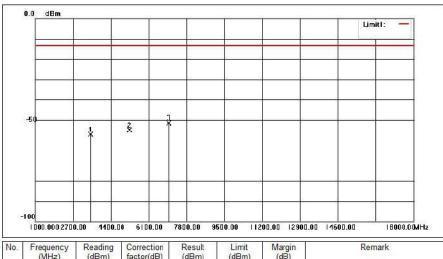
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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	
1	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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