



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZCR240200059401
Rev.: 01
Page: 1 of 238

Appendix B.7

LTE Band 4



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Report No.: SZCR240200059401

Rev.: 01

Page: 2 of 238

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result_Ant1

Band: 4 / Bandwidth: 1.4MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1710.7	1	0	24.74	0.00	24.74	<=30	Pass	
			2	24.81	0.00	24.81	<=30	Pass	
			5	24.73	0.00	24.73	<=30	Pass	
		3	0	24.77	0.00	24.77	<=30	Pass	
			2	24.82	0.00	24.82	<=30	Pass	
			3	24.74	0.00	24.74	<=30	Pass	
		6	0	23.82	0.00	23.82	<=30	Pass	
			0	24.70	0.00	24.70	<=30	Pass	
			0	24.79	0.00	24.79	<=30	Pass	
	1732.5	1	2	24.67	0.00	24.67	<=30	Pass	
			0	24.70	0.00	24.70	<=30	Pass	
			0	24.72	0.00	24.72	<=30	Pass	
		3	2	24.69	0.00	24.69	<=30	Pass	
			3	24.72	0.00	24.72	<=30	Pass	
			0	23.72	0.00	23.72	<=30	Pass	
		1754.3	1	0	24.70	0.00	24.70	<=30	Pass
				2	24.80	0.00	24.80	<=30	Pass
				5	24.70	0.00	24.70	<=30	Pass
	3		0	24.78	0.00	24.78	<=30	Pass	
			2	24.82	0.00	24.82	<=30	Pass	
			3	24.77	0.00	24.77	<=30	Pass	
	6	0	23.81	0.00	23.81	<=30	Pass		
	16QAM	1710.7	1	0	23.84	0.00	23.84	<=30	Pass
				2	23.94	0.00	23.94	<=30	Pass
5				23.85	0.00	23.85	<=30	Pass	
3			0	23.68	0.00	23.68	<=30	Pass	
			2	23.71	0.00	23.71	<=30	Pass	
			3	23.69	0.00	23.69	<=30	Pass	
6			0	22.77	0.00	22.77	<=30	Pass	
			0	23.64	0.00	23.64	<=30	Pass	
			0	23.73	0.00	23.73	<=30	Pass	
1732.5		1	5	23.66	0.00	23.66	<=30	Pass	
			0	23.68	0.00	23.68	<=30	Pass	
			0	23.70	0.00	23.70	<=30	Pass	
		3	2	23.70	0.00	23.70	<=30	Pass	
			3	23.70	0.00	23.70	<=30	Pass	
			0	22.61	0.00	22.61	<=30	Pass	
		1754.3	1	0	23.64	0.00	23.64	<=30	Pass
				2	23.75	0.00	23.75	<=30	Pass
				5	23.64	0.00	23.64	<=30	Pass
3			0	23.92	0.00	23.92	<=30	Pass	



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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 3 of 238

			2	23.99	0.00	23.99	<=30	Pass
			3	23.93	0.00	23.93	<=30	Pass
		6	0	22.77	0.00	22.77	<=30	Pass
64QAM	1710.7	1	0	22.74	0.00	22.74	<=30	Pass
			2	22.88	0.00	22.88	<=30	Pass
			5	22.69	0.00	22.69	<=30	Pass
		3	0	22.91	0.00	22.91	<=30	Pass
			2	22.95	0.00	22.95	<=30	Pass
			3	22.94	0.00	22.94	<=30	Pass
	6	0	21.95	0.00	21.95	<=30	Pass	
	1732.5	1	0	22.47	0.00	22.47	<=30	Pass
			2	22.55	0.00	22.55	<=30	Pass
			5	22.50	0.00	22.50	<=30	Pass
		3	0	22.62	0.00	22.62	<=30	Pass
			2	22.64	0.00	22.64	<=30	Pass
			3	22.63	0.00	22.63	<=30	Pass
	6	0	21.75	0.00	21.75	<=30	Pass	
	1754.3	1	0	22.96	0.00	22.96	<=30	Pass
			2	23.13	0.00	23.13	<=30	Pass
			5	23.01	0.00	23.01	<=30	Pass
		3	0	22.95	0.00	22.95	<=30	Pass
			2	22.99	0.00	22.99	<=30	Pass
			3	22.96	0.00	22.96	<=30	Pass
	6	0	21.75	0.00	21.75	<=30	Pass	

Note 1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 4 of 238

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	24.83	0.00	24.83	<=30	Pass		
			7	24.94	0.00	24.94	<=30	Pass		
			14	24.83	0.00	24.83	<=30	Pass		
		8	0	23.79	0.00	23.79	<=30	Pass		
			4	23.82	0.00	23.82	<=30	Pass		
			7	23.79	0.00	23.79	<=30	Pass		
		15	0	23.75	0.00	23.75	<=30	Pass		
		1732.5	1	0	24.75	0.00	24.75	<=30	Pass	
				7	24.84	0.00	24.84	<=30	Pass	
	14			24.70	0.00	24.70	<=30	Pass		
	8		0	23.72	0.00	23.72	<=30	Pass		
			4	23.76	0.00	23.76	<=30	Pass		
			7	23.71	0.00	23.71	<=30	Pass		
	15		0	23.69	0.00	23.69	<=30	Pass		
	1753.5		1	0	24.82	0.00	24.82	<=30	Pass	
				7	24.98	0.00	24.98	<=30	Pass	
		14		24.83	0.00	24.83	<=30	Pass		
		8	0	23.80	0.00	23.80	<=30	Pass		
			4	23.85	0.00	23.85	<=30	Pass		
			7	23.82	0.00	23.82	<=30	Pass		
		15	0	23.76	0.00	23.76	<=30	Pass		
		16QAM	1711.5	1	0	24.24	0.00	24.24	<=30	Pass
					7	24.35	0.00	24.35	<=30	Pass
	14				24.25	0.00	24.25	<=30	Pass	
8	0			22.88	0.00	22.88	<=30	Pass		
	4			22.89	0.00	22.89	<=30	Pass		
	7			22.89	0.00	22.89	<=30	Pass		
15	0			22.78	0.00	22.78	<=30	Pass		
1732.5	1			0	23.87	0.00	23.87	<=30	Pass	
				7	23.99	0.00	23.99	<=30	Pass	
			14	23.82	0.00	23.82	<=30	Pass		
	8		0	22.66	0.00	22.66	<=30	Pass		
			4	22.70	0.00	22.70	<=30	Pass		
			7	22.64	0.00	22.64	<=30	Pass		
	15		0	22.63	0.00	22.63	<=30	Pass		
	1753.5		1	0	23.77	0.00	23.77	<=30	Pass	
				7	23.94	0.00	23.94	<=30	Pass	
14				23.78	0.00	23.78	<=30	Pass		
8			0	22.83	0.00	22.83	<=30	Pass		
			4	22.87	0.00	22.87	<=30	Pass		
			7	22.85	0.00	22.85	<=30	Pass		



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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 5 of 238

64QAM	1711.5	15	0	22.78	0.00	22.78	<=30	Pass	
			1	0	22.97	0.00	22.97	<=30	Pass
				7	23.08	0.00	23.08	<=30	Pass
		8	14	23.00	0.00	23.00	<=30	Pass	
			0	21.88	0.00	21.88	<=30	Pass	
			4	21.93	0.00	21.93	<=30	Pass	
		15	7	21.89	0.00	21.89	<=30	Pass	
			0	21.75	0.00	21.75	<=30	Pass	
			1	0	22.77	0.00	22.77	<=30	Pass
	7	22.86		0.00	22.86	<=30	Pass		
	14	22.75		0.00	22.75	<=30	Pass		
	1732.5	8	0	21.62	0.00	21.62	<=30	Pass	
			4	21.65	0.00	21.65	<=30	Pass	
			7	21.61	0.00	21.61	<=30	Pass	
	15	0	21.79	0.00	21.79	<=30	Pass		
		1	0	22.58	0.00	22.58	<=30	Pass	
			7	22.78	0.00	22.78	<=30	Pass	
	14		22.57	0.00	22.57	<=30	Pass		
	1753.5	8	0	21.76	0.00	21.76	<=30	Pass	
			4	21.84	0.00	21.84	<=30	Pass	
			7	21.79	0.00	21.79	<=30	Pass	
	15	0	21.73	0.00	21.73	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240200059401

Rev.: 01

Page: 6 of 238

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1712.5	1	0	24.73	0.00	24.73	<=30	Pass	
			13	24.91	0.00	24.91	<=30	Pass	
			24	24.80	0.00	24.80	<=30	Pass	
		12	0	23.79	0.00	23.79	<=30	Pass	
			6	23.83	0.00	23.83	<=30	Pass	
			13	23.82	0.00	23.82	<=30	Pass	
		25	0	23.76	0.00	23.76	<=30	Pass	
		1732.5	1	0	24.71	0.00	24.71	<=30	Pass
				13	24.78	0.00	24.78	<=30	Pass
	24			24.61	0.00	24.61	<=30	Pass	
	12		0	23.70	0.00	23.70	<=30	Pass	
			6	23.74	0.00	23.74	<=30	Pass	
			13	23.67	0.00	23.67	<=30	Pass	
	25		0	23.68	0.00	23.68	<=30	Pass	
	1752.5		1	0	24.70	0.00	24.70	<=30	Pass
				13	24.80	0.00	24.80	<=30	Pass
		24		24.74	0.00	24.74	<=30	Pass	
		12	0	23.75	0.00	23.75	<=30	Pass	
			6	23.80	0.00	23.80	<=30	Pass	
			13	23.77	0.00	23.77	<=30	Pass	
	25	0	23.73	0.00	23.73	<=30	Pass		
	16QAM	1712.5	1	0	23.57	0.00	23.57	<=30	Pass
				13	23.68	0.00	23.68	<=30	Pass
				24	23.64	0.00	23.64	<=30	Pass
12			0	22.72	0.00	22.72	<=30	Pass	
			6	22.77	0.00	22.77	<=30	Pass	
			13	22.79	0.00	22.79	<=30	Pass	
25			0	22.76	0.00	22.76	<=30	Pass	
1732.5			1	0	23.91	0.00	23.91	<=30	Pass
				13	23.97	0.00	23.97	<=30	Pass
		24		23.79	0.00	23.79	<=30	Pass	
		12	0	22.70	0.00	22.70	<=30	Pass	
			6	22.74	0.00	22.74	<=30	Pass	
			13	22.69	0.00	22.69	<=30	Pass	
		25	0	22.65	0.00	22.65	<=30	Pass	
		1752.5	1	0	23.73	0.00	23.73	<=30	Pass
				13	23.88	0.00	23.88	<=30	Pass
24				23.81	0.00	23.81	<=30	Pass	
12			0	22.73	0.00	22.73	<=30	Pass	
			6	22.77	0.00	22.77	<=30	Pass	
			13	22.71	0.00	22.71	<=30	Pass	



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 7 of 238

64QAM	1712.5	25	0	22.74	0.00	22.74	<=30	Pass	
			1	0	22.65	0.00	22.65	<=30	Pass
				13	22.77	0.00	22.77	<=30	Pass
		24	22.74	0.00	22.74	<=30	Pass		
		12	0	21.67	0.00	21.67	<=30	Pass	
			6	21.75	0.00	21.75	<=30	Pass	
			13	21.71	0.00	21.71	<=30	Pass	
		25	0	21.76	0.00	21.76	<=30	Pass	
		1732.5	1	0	22.76	0.00	22.76	<=30	Pass
	13			22.86	0.00	22.86	<=30	Pass	
	24			22.70	0.00	22.70	<=30	Pass	
	12		0	21.70	0.00	21.70	<=30	Pass	
			6	21.72	0.00	21.72	<=30	Pass	
			13	21.62	0.00	21.62	<=30	Pass	
	25		0	21.70	0.00	21.70	<=30	Pass	
	1752.5		1	0	22.74	0.00	22.74	<=30	Pass
				13	22.93	0.00	22.93	<=30	Pass
		24		22.84	0.00	22.84	<=30	Pass	
		12	0	21.81	0.00	21.81	<=30	Pass	
			6	21.85	0.00	21.85	<=30	Pass	
			13	21.82	0.00	21.82	<=30	Pass	
		25	0	21.72	0.00	21.72	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240200059401

Rev.: 01

Page: 8 of 238

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1715	1	0	24.82	0.00	24.82	<=30	Pass		
			25	25.04	0.00	25.04	<=30	Pass		
			49	24.89	0.00	24.89	<=30	Pass		
		25	0	23.81	0.00	23.81	<=30	Pass		
			13	23.86	0.00	23.86	<=30	Pass		
			25	23.95	0.00	23.95	<=30	Pass		
		50	0	23.87	0.00	23.87	<=30	Pass		
			1732.5	1	0	24.78	0.00	24.78	<=30	Pass
					25	24.94	0.00	24.94	<=30	Pass
	49	24.61			0.00	24.61	<=30	Pass		
	25	0	23.73	0.00	23.73	<=30	Pass			
		13	23.73	0.00	23.73	<=30	Pass			
		25	23.69	0.00	23.69	<=30	Pass			
	50	0	23.72	0.00	23.72	<=30	Pass			
		1750	1	0	24.68	0.00	24.68	<=30	Pass	
				25	24.93	0.00	24.93	<=30	Pass	
	49			24.81	0.00	24.81	<=30	Pass		
	25	0	23.76	0.00	23.76	<=30	Pass			
		13	23.74	0.00	23.74	<=30	Pass			
		25	23.75	0.00	23.75	<=30	Pass			
	50	0	23.77	0.00	23.77	<=30	Pass			
		1715	1	0	24.21	0.00	24.21	<=30	Pass	
				25	24.46	0.00	24.46	<=30	Pass	
	49			24.32	0.00	24.32	<=30	Pass		
25	0		22.80	0.00	22.80	<=30	Pass			
	13		22.88	0.00	22.88	<=30	Pass			
	25		22.95	0.00	22.95	<=30	Pass			
50	0		22.85	0.00	22.85	<=30	Pass			
	1732.5		1	0	23.90	0.00	23.90	<=30	Pass	
				25	24.00	0.00	24.00	<=30	Pass	
49		23.74		0.00	23.74	<=30	Pass			
25		0	22.71	0.00	22.71	<=30	Pass			
		13	22.70	0.00	22.70	<=30	Pass			
		25	22.66	0.00	22.66	<=30	Pass			
50		0	22.69	0.00	22.69	<=30	Pass			
		1750	1	0	23.62	0.00	23.62	<=30	Pass	
				25	23.85	0.00	23.85	<=30	Pass	
49	23.76			0.00	23.76	<=30	Pass			
25	0		22.77	0.00	22.77	<=30	Pass			
	13		22.79	0.00	22.79	<=30	Pass			
	25		22.78	0.00	22.78	<=30	Pass			



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 9 of 238

64QAM	1715	50	0	22.73	0.00	22.73	<=30	Pass	
			1	0	22.93	0.00	22.93	<=30	Pass
				25	23.21	0.00	23.21	<=30	Pass
		25	49	23.06	0.00	23.06	<=30	Pass	
			0	0	21.81	0.00	21.81	<=30	Pass
				13	21.90	0.00	21.90	<=30	Pass
		50	25	21.99	0.00	21.99	<=30	Pass	
			0	0	21.90	0.00	21.90	<=30	Pass
				1	0	22.77	0.00	22.77	<=30
	25	22.81			0.00	22.81	<=30	Pass	
	1732.5	1	49	22.59	0.00	22.59	<=30	Pass	
			25	0	21.82	0.00	21.82	<=30	Pass
				13	21.80	0.00	21.80	<=30	Pass
		50	25	21.75	0.00	21.75	<=30	Pass	
			0	0	21.74	0.00	21.74	<=30	Pass
				1	0	22.57	0.00	22.57	<=30
	1750	1	25	22.82	0.00	22.82	<=30	Pass	
			49	22.69	0.00	22.69	<=30	Pass	
			25	0	21.78	0.00	21.78	<=30	Pass
		13		21.78	0.00	21.78	<=30	Pass	
		25		21.78	0.00	21.78	<=30	Pass	
		50	0	21.73	0.00	21.73	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240200059401
Rev.: 01
Page: 10 of 238

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	24.75	0.00	24.75	<=30	Pass		
			38	24.93	0.00	24.93	<=30	Pass		
			74	24.73	0.00	24.73	<=30	Pass		
		36	0	23.91	0.00	23.91	<=30	Pass		
			18	23.98	0.00	23.98	<=30	Pass		
			39	23.95	0.00	23.95	<=30	Pass		
		75	0	23.94	0.00	23.94	<=30	Pass		
		1732.5	1	0	24.73	0.00	24.73	<=30	Pass	
				38	24.77	0.00	24.77	<=30	Pass	
	74			24.48	0.00	24.48	<=30	Pass		
	36		0	23.80	0.00	23.80	<=30	Pass		
			18	23.83	0.00	23.83	<=30	Pass		
			39	23.74	0.00	23.74	<=30	Pass		
	75		0	23.82	0.00	23.82	<=30	Pass		
	1747.5		1	0	24.60	0.00	24.60	<=30	Pass	
				38	24.75	0.00	24.75	<=30	Pass	
		74		24.73	0.00	24.73	<=30	Pass		
		36	0	23.77	0.00	23.77	<=30	Pass		
			18	23.83	0.00	23.83	<=30	Pass		
			39	23.79	0.00	23.79	<=30	Pass		
		75	0	23.77	0.00	23.77	<=30	Pass		
		16QAM	1717.5	1	0	24.16	0.00	24.16	<=30	Pass
					38	24.38	0.00	24.38	<=30	Pass
	74				24.19	0.00	24.19	<=30	Pass	
36	0			22.84	0.00	22.84	<=30	Pass		
	18			22.95	0.00	22.95	<=30	Pass		
	39			22.91	0.00	22.91	<=30	Pass		
75	0			22.85	0.00	22.85	<=30	Pass		
1732.5	1			0	23.88	0.00	23.88	<=30	Pass	
				38	23.89	0.00	23.89	<=30	Pass	
			74	23.61	0.00	23.61	<=30	Pass		
	36		0	22.75	0.00	22.75	<=30	Pass		
			18	22.74	0.00	22.74	<=30	Pass		
			39	22.66	0.00	22.66	<=30	Pass		
	75		0	22.76	0.00	22.76	<=30	Pass		
	1747.5		1	0	23.88	0.00	23.88	<=30	Pass	
				38	24.00	0.00	24.00	<=30	Pass	
74				23.98	0.00	23.98	<=30	Pass		
36			0	22.67	0.00	22.67	<=30	Pass		
			18	22.71	0.00	22.71	<=30	Pass		
			39	22.70	0.00	22.70	<=30	Pass		



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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZCR240200059401
Rev.: 01
Page: 11 of 238

64QAM	1717.5	75	0	22.70	0.00	22.70	<=30	Pass	
			1	0	22.90	0.00	22.90	<=30	Pass
				38	23.09	0.00	23.09	<=30	Pass
		36	74	22.88	0.00	22.88	<=30	Pass	
			0	21.85	0.00	21.85	<=30	Pass	
			18	21.95	0.00	21.95	<=30	Pass	
		75	39	21.92	0.00	21.92	<=30	Pass	
			0	21.92	0.00	21.92	<=30	Pass	
			1	0	22.72	0.00	22.72	<=30	Pass
	38	22.73		0.00	22.73	<=30	Pass		
	74	22.47		0.00	22.47	<=30	Pass		
	1732.5	36	0	21.83	0.00	21.83	<=30	Pass	
			18	21.84	0.00	21.84	<=30	Pass	
			39	21.73	0.00	21.73	<=30	Pass	
	75	0	21.80	0.00	21.80	<=30	Pass		
		1	0	22.81	0.00	22.81	<=30	Pass	
			38	22.94	0.00	22.94	<=30	Pass	
	74		22.92	0.00	22.92	<=30	Pass		
	1747.5	36	0	21.66	0.00	21.66	<=30	Pass	
			18	21.72	0.00	21.72	<=30	Pass	
			39	21.69	0.00	21.69	<=30	Pass	
	75	0	21.76	0.00	21.76	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240200059401
Rev.: 01
Page: 12 of 238

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNv									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1720	1	0	24.69	0.00	24.69	<=30	Pass	
			50	25.07	0.00	25.07	<=30	Pass	
			99	24.63	0.00	24.63	<=30	Pass	
		50	0	23.81	0.00	23.81	<=30	Pass	
			25	23.89	0.00	23.89	<=30	Pass	
			50	23.82	0.00	23.82	<=30	Pass	
		100	0	23.82	0.00	23.82	<=30	Pass	
			1	0	24.74	0.00	24.74	<=30	Pass
				50	24.91	0.00	24.91	<=30	Pass
	99	24.51		0.00	24.51	<=30	Pass		
	1732.5	50	0	23.70	0.00	23.70	<=30	Pass	
			25	23.72	0.00	23.72	<=30	Pass	
			50	23.59	0.00	23.59	<=30	Pass	
		100	0	23.66	0.00	23.66	<=30	Pass	
			1	0	24.53	0.00	24.53	<=30	Pass
				50	24.82	0.00	24.82	<=30	Pass
	99	24.59		0.00	24.59	<=30	Pass		
	1745	50	0	23.64	0.00	23.64	<=30	Pass	
			25	23.67	0.00	23.67	<=30	Pass	
			50	23.59	0.00	23.59	<=30	Pass	
		100	0	23.65	0.00	23.65	<=30	Pass	
			1	0	23.89	0.00	23.89	<=30	Pass
				50	24.25	0.00	24.25	<=30	Pass
	99	23.85		0.00	23.85	<=30	Pass		
16QAM	1720	50	0	22.73	0.00	22.73	<=30	Pass	
			25	22.85	0.00	22.85	<=30	Pass	
			50	22.78	0.00	22.78	<=30	Pass	
		100	0	22.80	0.00	22.80	<=30	Pass	
			1	0	23.87	0.00	23.87	<=30	Pass
				50	24.04	0.00	24.04	<=30	Pass
		99		23.63	0.00	23.63	<=30	Pass	
		1732.5	50	0	22.66	0.00	22.66	<=30	Pass
				25	22.69	0.00	22.69	<=30	Pass
	50			22.54	0.00	22.54	<=30	Pass	
	100		0	22.62	0.00	22.62	<=30	Pass	
			1	0	24.01	0.00	24.01	<=30	Pass
				50	24.30	0.00	24.30	<=30	Pass
	1745	50		99	24.07	0.00	24.07	<=30	Pass
			0	22.62	0.00	22.62	<=30	Pass	
			25	22.66	0.00	22.66	<=30	Pass	
		50	50	22.60	0.00	22.60	<=30	Pass	



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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 13 of 238

64QAM	1720	100	0	22.66	0.00	22.66	<=30	Pass	
			1	0	22.74	0.00	22.74	<=30	Pass
				50	23.11	0.00	23.11	<=30	Pass
		50	99	22.69	0.00	22.69	<=30	Pass	
			0	0	21.79	0.00	21.79	<=30	Pass
				25	21.88	0.00	21.88	<=30	Pass
		100	50	21.86	0.00	21.86	<=30	Pass	
			0	0	21.82	0.00	21.82	<=30	Pass
				0	22.87	0.00	22.87	<=30	Pass
	1732.5	1	50	23.07	0.00	23.07	<=30	Pass	
			99	22.63	0.00	22.63	<=30	Pass	
			0	21.68	0.00	21.68	<=30	Pass	
		50	25	21.70	0.00	21.70	<=30	Pass	
			50	21.54	0.00	21.54	<=30	Pass	
			100	0	21.62	0.00	21.62	<=30	Pass
		1745	1	0	22.56	0.00	22.56	<=30	Pass
				50	22.82	0.00	22.82	<=30	Pass
				99	22.64	0.00	22.64	<=30	Pass
	50		0	21.65	0.00	21.65	<=30	Pass	
			25	21.68	0.00	21.68	<=30	Pass	
			50	21.61	0.00	21.61	<=30	Pass	
	100		0	21.67	0.00	21.67	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 14 of 238

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1710.7	6	0	20	3.6	-1.688	-0.0010	/	Pass	
					3.84	-6.795	-0.0040	/	Pass	
					4.3	-5.565	-0.0033	/	Pass	
				-30	3.84	2.418	0.0014	/	Pass	
					-20	3.84	-5.651	-0.0033	/	Pass
						-10	3.84	-5.779	-0.0034	/
				0	3.84	-3.948	-0.0023	/	Pass	
					10	3.84	-6.766	-0.0040	/	Pass
				30	3.84	-4.177	-0.0024	/	Pass	
	40	3.84	-5.565	-0.0033	/	Pass				
	50	3.84	-4.163	-0.0024	/	Pass				
	1732.5	6	0	20	3.6	11.301	0.0065	/	Pass	
					3.84	-0.129	-0.0001	/	Pass	
					4.3	-0.372	-0.0002	/	Pass	
				-30	3.84	-12.403	-0.0072	/	Pass	
					-20	3.84	-8.097	-0.0047	/	Pass
						-10	3.84	-1.116	-0.0006	/
				0	3.84	-10.114	-0.0058	/	Pass	
					10	3.84	3.304	0.0019	/	Pass
				30	3.84	-11.415	-0.0066	/	Pass	
	40	3.84	-10.257	-0.0059	/	Pass				
	50	3.84	-7.410	-0.0043	/	Pass				
	1754.3	6	0	20	3.6	2.174	0.0012	/	Pass	
					3.84	-6.266	-0.0036	/	Pass	
					4.3	-2.174	-0.0012	/	Pass	
				-30	3.84	0.973	0.0006	/	Pass	
					-20	3.84	0.358	0.0002	/	Pass
-10						3.84	-4.091	-0.0023	/	Pass
0				3.84	-2.332	-0.0013	/	Pass		
				10	3.84	-4.892	-0.0028	/	Pass	
30				3.84	-3.247	-0.0019	/	Pass		
40	3.84	-10.185	-0.0058	/	Pass					
50	3.84	-6.037	-0.0034	/	Pass					
16QAM	1710.7	6	0	20	3.6	8.497	0.0050	/	Pass	
					3.84	3.605	0.0021	/	Pass	
					4.3	9.327	0.0055	/	Pass	
				-30	3.84	-6.237	-0.0036	/	Pass	
					-20	3.84	5.836	0.0034	/	Pass
-10	3.84	5.064	0.0030	/	Pass					



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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 15 of 238

64QAM				0	3.84	-15.221	-0.0089	/	Pass
				10	3.84	4.263	0.0025	/	Pass
				30	3.84	-7.753	-0.0045	/	Pass
				40	3.84	7.896	0.0046	/	Pass
				50	3.84	-0.243	-0.0001	/	Pass
	1732.5	6	0	20	3.6	-15.478	-0.0089	/	Pass
					3.84	-5.965	-0.0034	/	Pass
					4.3	-11.115	-0.0064	/	Pass
				-30	3.84	-1.431	-0.0008	/	Pass
				-20	3.84	2.403	0.0014	/	Pass
				-10	3.84	-3.190	-0.0018	/	Pass
				0	3.84	-9.971	-0.0058	/	Pass
				10	3.84	-4.048	-0.0023	/	Pass
				30	3.84	-1.001	-0.0006	/	Pass
				40	3.84	0.172	0.0001	/	Pass
				50	3.84	2.017	0.0012	/	Pass
	1754.3	6	0	20	3.6	-10.285	-0.0059	/	Pass
					3.84	0.615	0.0004	/	Pass
					4.3	5.579	0.0032	/	Pass
				-30	3.84	-12.546	-0.0072	/	Pass
				-20	3.84	-15.793	-0.0090	/	Pass
				-10	3.84	-11.287	-0.0064	/	Pass
				0	3.84	4.606	0.0026	/	Pass
				10	3.84	-15.721	-0.0090	/	Pass
				30	3.84	-3.304	-0.0019	/	Pass
				40	3.84	-1.459	-0.0008	/	Pass
				50	3.84	-6.022	-0.0034	/	Pass
	1710.7	6	0	20	3.6	-7.939	-0.0046	/	Pass
					3.84	-3.347	-0.0020	/	Pass
					4.3	-0.830	-0.0005	/	Pass
				-30	3.84	-3.819	-0.0022	/	Pass
				-20	3.84	-1.287	-0.0008	/	Pass
				-10	3.84	0.286	0.0002	/	Pass
				0	3.84	-6.695	-0.0039	/	Pass
				10	3.84	2.046	0.0012	/	Pass
				30	3.84	-3.719	-0.0022	/	Pass
40				3.84	-10.028	-0.0059	/	Pass	
50				3.84	-9.427	-0.0055	/	Pass	
1732.5	6	0	20	3.6	2.389	0.0014	/	Pass	
				3.84	7.181	0.0041	/	Pass	
				4.3	-0.215	-0.0001	/	Pass	
			-30	3.84	-2.503	-0.0014	/	Pass	
			-20	3.84	4.849	0.0028	/	Pass	
			-10	3.84	-0.186	-0.0001	/	Pass	
			0	3.84	-6.552	-0.0038	/	Pass	
			10	3.84	-14.620	-0.0084	/	Pass	
			30	3.84	-8.125	-0.0047	/	Pass	
			40	3.84	-0.672	-0.0004	/	Pass	
			50	3.84	6.437	0.0037	/	Pass	



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Report No.: SZCR240200059401

Rev.: 01

Page: 16 of 238

1754.3	6	0	20	3.6	-6.466	-0.0037	/	Pass
				3.84	-2.403	-0.0014	/	Pass
				4.3	-0.229	-0.0001	/	Pass
			-30	3.84	-5.450	-0.0031	/	Pass
			-20	3.84	-9.713	-0.0055	/	Pass
			-10	3.84	-9.441	-0.0054	/	Pass
			0	3.84	-5.836	-0.0033	/	Pass
			10	3.84	-5.593	-0.0032	/	Pass
			30	3.84	-9.513	-0.0054	/	Pass
			40	3.84	-1.531	-0.0009	/	Pass
			50	3.84	-11.873	-0.0068	/	Pass



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 17 of 238

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1711.5	15	0	20	3.6	-3.991	-0.0023	/	Pass	
					3.84	-10.285	-0.0060	/	Pass	
					4.3	-6.909	-0.0040	/	Pass	
				-30	3.84	-3.791	-0.0022	/	Pass	
					-20	3.84	0.987	0.0006	/	Pass
						3.84	-3.061	-0.0018	/	Pass
				-10	3.84	-14.935	-0.0087	/	Pass	
					0	3.84	-5.007	-0.0029	/	Pass
				10	3.84	-16.351	-0.0096	/	Pass	
					3.84	-4.535	-0.0026	/	Pass	
	3.84	-3.905	-0.0023	/	Pass					
	1732.5	15	0	20	3.6	2.618	0.0015	/	Pass	
					3.84	-16.294	-0.0094	/	Pass	
					4.3	-5.107	-0.0029	/	Pass	
				-30	3.84	-1.001	-0.0006	/	Pass	
					-20	3.84	-3.905	-0.0023	/	Pass
						3.84	-1.359	-0.0008	/	Pass
				-10	3.84	-0.086	0.0000	/	Pass	
					0	3.84	-3.619	-0.0021	/	Pass
				10	3.84	-6.623	-0.0038	/	Pass	
					3.84	0.186	0.0001	/	Pass	
	3.84	-15.478	-0.0089	/	Pass					
	1753.5	15	0	20	3.6	5.937	0.0034	/	Pass	
					3.84	-11.716	-0.0067	/	Pass	
					4.3	-9.856	-0.0056	/	Pass	
				-30	3.84	-1.845	-0.0011	/	Pass	
					-20	3.84	0.958	0.0005	/	Pass
						3.84	-5.164	-0.0029	/	Pass
				-10	3.84	4.463	0.0025	/	Pass	
					0	3.84	3.734	0.0021	/	Pass
10				3.84	-9.828	-0.0056	/	Pass		
				3.84	-9.813	-0.0056	/	Pass		
3.84	-10.571	-0.0060	/	Pass						
16QAM	1711.5	15	0	20	3.6	-10.271	-0.0060	/	Pass	
					3.84	10.743	0.0063	/	Pass	
					4.3	2.217	0.0013	/	Pass	
				-30	3.84	2.933	0.0017	/	Pass	
					-20	3.84	-9.828	-0.0057	/	Pass
						3.84	-10.915	-0.0064	/	Pass
				-10	3.84	6.495	0.0038	/	Pass	
					10	3.84	-9.499	-0.0056	/	Pass



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Report No.: SZCR240200059401

Rev.: 01

Page: 18 of 238

64QAM	1732.5	15	0	30	3.84	-8.826	-0.0052	/	Pass		
				40	3.84	-6.695	-0.0039	/	Pass		
				50	3.84	-2.689	-0.0016	/	Pass		
				20	3.6	5.236	0.0030	/	Pass		
					3.84	-2.618	-0.0015	/	Pass		
					4.3	4.106	0.0024	/	Pass		
				-30	3.84	0.472	0.0003	/	Pass		
				-20	3.84	-3.490	-0.0020	/	Pass		
				-10	3.84	-2.947	-0.0017	/	Pass		
				0	3.84	-5.579	-0.0032	/	Pass		
				10	3.84	-11.587	-0.0067	/	Pass		
				30	3.84	-14.491	-0.0084	/	Pass		
	40	3.84	12.417	0.0072	/	Pass					
	50	3.84	5.722	0.0033	/	Pass					
	1753.5	15	0	20	3.6	-6.251	-0.0036	/	Pass		
					3.84	-6.280	-0.0036	/	Pass		
					4.3	-2.375	-0.0014	/	Pass		
				-30	3.84	-3.304	-0.0019	/	Pass		
				-20	3.84	-8.998	-0.0051	/	Pass		
				-10	3.84	-11.773	-0.0067	/	Pass		
				0	3.84	-14.420	-0.0082	/	Pass		
				10	3.84	-19.698	-0.0112	/	Pass		
				30	3.84	-15.407	-0.0088	/	Pass		
				40	3.84	-19.627	-0.0112	/	Pass		
				50	3.84	0.815	0.0005	/	Pass		
				1711.5	15	0	20	3.6	-4.992	-0.0029	/
	3.84	10.099	0.0059					/	Pass		
	4.3	7.839	0.0046					/	Pass		
	-30	3.84	0.343				0.0002	/	Pass		
	-20	3.84	3.662				0.0021	/	Pass		
-10	3.84	1.001	0.0006				/	Pass			
0	3.84	6.237	0.0036				/	Pass			
10	3.84	-10.014	-0.0059				/	Pass			
30	3.84	-6.266	-0.0037				/	Pass			
40	3.84	-5.178	-0.0030				/	Pass			
50	3.84	-2.303	-0.0013				/	Pass			
1732.5	15	0	20				3.6	-2.389	-0.0014	/	Pass
							3.84	-2.332	-0.0013	/	Pass
							4.3	-1.330	-0.0008	/	Pass
			-30				3.84	-17.223	-0.0099	/	Pass
			-20				3.84	-4.206	-0.0024	/	Pass
			-10				3.84	-7.067	-0.0041	/	Pass
			0				3.84	-2.232	-0.0013	/	Pass
			10	3.84	-0.043	0.0000	/	Pass			
			30	3.84	-3.104	-0.0018	/	Pass			
			40	3.84	2.632	0.0015	/	Pass			
			50	3.84	-7.725	-0.0045	/	Pass			
			1753.5	15	0	20	3.6	3.448	0.0020	/	Pass
3.84	-2.217	-0.0013					/	Pass			



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 19 of 238

				4.3	-2.160	-0.0012	/	Pass
				-30	3.84	-11.873	-0.0068	Pass
				-20	3.84	-7.081	-0.0040	Pass
				-10	3.84	-3.791	-0.0022	Pass
				0	3.84	-1.631	-0.0009	Pass
				10	3.84	-0.730	-0.0004	Pass
				30	3.84	2.017	0.0012	Pass
				40	3.84	3.877	0.0022	Pass
				50	3.84	-2.317	-0.0013	Pass



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 20 of 238

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.6	-7.167	-0.0042	/	Pass
					3.84	-3.877	-0.0023	/	Pass
					4.3	-6.752	-0.0039	/	Pass
				-30	3.84	-2.904	-0.0017	/	Pass
				-20	3.84	0.529	0.0003	/	Pass
				-10	3.84	-6.351	-0.0037	/	Pass
				0	3.84	-0.544	-0.0003	/	Pass
				10	3.84	-0.029	0.0000	/	Pass
				30	3.84	-3.991	-0.0023	/	Pass
				40	3.84	-0.901	-0.0005	/	Pass
	50	3.84	2.718	0.0016	/	Pass			
	1732.5	25	0	20	3.6	-3.319	-0.0019	/	Pass
					3.84	-2.217	-0.0013	/	Pass
					4.3	-3.347	-0.0019	/	Pass
				-30	3.84	-5.264	-0.0030	/	Pass
				-20	3.84	-3.319	-0.0019	/	Pass
				-10	3.84	-10.157	-0.0059	/	Pass
				0	3.84	-9.384	-0.0054	/	Pass
				10	3.84	0.458	0.0003	/	Pass
				30	3.84	-6.924	-0.0040	/	Pass
				40	3.84	-4.134	-0.0024	/	Pass
	50	3.84	-7.195	-0.0042	/	Pass			
	1752.5	25	0	20	3.6	-3.047	-0.0017	/	Pass
					3.84	-13.990	-0.0080	/	Pass
					4.3	-4.463	-0.0025	/	Pass
				-30	3.84	-4.077	-0.0023	/	Pass
				-20	3.84	-8.569	-0.0049	/	Pass
				-10	3.84	-5.465	-0.0031	/	Pass
				0	3.84	-4.692	-0.0027	/	Pass
				10	3.84	-3.390	-0.0019	/	Pass
30				3.84	-1.216	-0.0007	/	Pass	
40				3.84	-6.838	-0.0039	/	Pass	
50	3.84	-10.128	-0.0058	/	Pass				
16QAM	1712.5	25	0	20	3.6	-9.098	-0.0053	/	Pass
					3.84	-7.696	-0.0045	/	Pass
					4.3	-12.388	-0.0072	/	Pass
				-30	3.84	-4.148	-0.0024	/	Pass
				-20	3.84	-4.749	-0.0028	/	Pass
				-10	3.84	-3.462	-0.0020	/	Pass
				0	3.84	-7.339	-0.0043	/	Pass
10	3.84	-2.489	-0.0015	/	Pass				



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Shenzhen Branch

Report No.: SZCR240200059401

Rev.: 01

Page: 21 of 238

64QAM	1732.5	25	0	30	3.84	-2.275	-0.0013	/	Pass		
				40	3.84	-1.316	-0.0008	/	Pass		
				50	3.84	-1.874	-0.0011	/	Pass		
				20	3.6	-1.917	-0.0011	/	Pass		
					3.84	-2.174	-0.0013	/	Pass		
					4.3	1.302	0.0008	/	Pass		
				-30	3.84	0.744	0.0004	/	Pass		
				-20	3.84	0.429	0.0002	/	Pass		
				-10	3.84	-5.035	-0.0029	/	Pass		
				0	3.84	3.719	0.0021	/	Pass		
	10	3.84	0.014	0.0000	/	Pass					
	30	3.84	-3.576	-0.0021	/	Pass					
	40	3.84	-6.065	-0.0035	/	Pass					
	50	3.84	-10.757	-0.0062	/	Pass					
	1752.5	25	0	20	3.6	-12.159	-0.0069	/	Pass		
					3.84	0.000	0.0000	/	Pass		
					4.3	-1.001	-0.0006	/	Pass		
				-30	3.84	-5.150	-0.0029	/	Pass		
				-20	3.84	-10.715	-0.0061	/	Pass		
				-10	3.84	-4.034	-0.0023	/	Pass		
0				3.84	-7.339	-0.0042	/	Pass			
10				3.84	1.259	0.0007	/	Pass			
30				3.84	-0.329	-0.0002	/	Pass			
40				3.84	1.130	0.0006	/	Pass			
50	3.84	-4.535	-0.0026	/	Pass						
1712.5	25	0	20	3.6	-3.719	-0.0022	/	Pass			
				3.84	2.332	0.0014	/	Pass			
				4.3	-3.676	-0.0021	/	Pass			
			-30	3.84	-6.452	-0.0038	/	Pass			
			-20	3.84	-1.874	-0.0011	/	Pass			
			-10	3.84	-4.807	-0.0028	/	Pass			
			0	3.84	-0.372	-0.0002	/	Pass			
			10	3.84	-0.315	-0.0002	/	Pass			
			30	3.84	-7.324	-0.0043	/	Pass			
			40	3.84	4.706	0.0027	/	Pass			
			50	3.84	-0.873	-0.0005	/	Pass			
			1732.5	25	0	20	3.6	-10.901	-0.0063	/	Pass
							3.84	-2.789	-0.0016	/	Pass
							4.3	3.290	0.0019	/	Pass
-30	3.84	-1.116				-0.0006	/	Pass			
-20	3.84	-8.240				-0.0048	/	Pass			
-10	3.84	-0.200				-0.0001	/	Pass			
0	3.84	-5.665				-0.0033	/	Pass			
10	3.84	-5.107				-0.0029	/	Pass			
30	3.84	-7.367				-0.0043	/	Pass			
40	3.84	-0.286				-0.0002	/	Pass			
50	3.84	0.458	0.0003	/	Pass						
1752.5	25	0	20	3.6	1.488	0.0008	/	Pass			
				3.84	-1.845	-0.0011	/	Pass			



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Report No.: SZCR240200059401

Rev.: 01

Page: 22 of 238

				4.3	-5.178	-0.0030	/	Pass
				-30	3.84	-6.480	-0.0037	Pass
				-20	3.84	-7.696	-0.0044	Pass
				-10	3.84	-8.383	-0.0048	Pass
				0	3.84	-6.323	-0.0036	Pass
				10	3.84	-7.582	-0.0043	Pass
				30	3.84	-4.692	-0.0027	Pass
				40	3.84	-8.626	-0.0049	Pass
				50	3.84	-1.903	-0.0011	Pass



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 23 of 238

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.6	-9.899	-0.0058	/	Pass
					3.84	-10.328	-0.0060	/	Pass
					4.3	0.014	0.0000	/	Pass
				-30	3.84	-4.005	-0.0023	/	Pass
				-20	3.84	-2.646	-0.0015	/	Pass
				-10	3.84	-10.843	-0.0063	/	Pass
				0	3.84	-3.791	-0.0022	/	Pass
				10	3.84	-8.726	-0.0051	/	Pass
				30	3.84	-4.148	-0.0024	/	Pass
				40	3.84	-2.732	-0.0016	/	Pass
	50	3.84	-3.819	-0.0022	/	Pass			
	1732.5	50	0	20	3.6	-4.649	-0.0027	/	Pass
					3.84	-5.708	-0.0033	/	Pass
					4.3	-6.909	-0.0040	/	Pass
				-30	3.84	-6.094	-0.0035	/	Pass
				-20	3.84	-2.117	-0.0012	/	Pass
				-10	3.84	-7.124	-0.0041	/	Pass
				0	3.84	-2.389	-0.0014	/	Pass
				10	3.84	-1.545	-0.0009	/	Pass
				30	3.84	-1.745	-0.0010	/	Pass
				40	3.84	-6.723	-0.0039	/	Pass
	50	3.84	-5.393	-0.0031	/	Pass			
	1750	50	0	20	3.6	-5.021	-0.0029	/	Pass
					3.84	-5.865	-0.0034	/	Pass
					4.3	-7.553	-0.0043	/	Pass
				-30	3.84	-7.510	-0.0043	/	Pass
				-20	3.84	-6.108	-0.0035	/	Pass
				-10	3.84	-7.396	-0.0042	/	Pass
				0	3.84	-4.148	-0.0024	/	Pass
				10	3.84	-1.631	-0.0009	/	Pass
30				3.84	-6.466	-0.0037	/	Pass	
40				3.84	-7.982	-0.0046	/	Pass	
50	3.84	-12.345	-0.0071	/	Pass				
16QAM	1715	50	0	20	3.6	-0.744	-0.0004	/	Pass
					3.84	-7.696	-0.0045	/	Pass
					4.3	-6.652	-0.0039	/	Pass
				-30	3.84	-10.357	-0.0060	/	Pass
				-20	3.84	-5.593	-0.0033	/	Pass
				-10	3.84	-8.397	-0.0049	/	Pass
				0	3.84	-0.458	-0.0003	/	Pass
10	3.84	-4.292	-0.0025	/	Pass				



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 24 of 238

64QAM	1732.5	50	0	30	3.84	-10.214	-0.0060	/	Pass			
				40	3.84	-1.931	-0.0011	/	Pass			
				50	3.84	-3.133	-0.0018	/	Pass			
				20	3.6	-2.875	-0.0017	/	Pass			
					3.84	-9.656	-0.0056	/	Pass			
					4.3	-2.918	-0.0017	/	Pass			
				-30	3.84	-7.353	-0.0042	/	Pass			
				-20	3.84	-4.177	-0.0024	/	Pass			
				-10	3.84	-4.849	-0.0028	/	Pass			
				0	3.84	-9.999	-0.0058	/	Pass			
				10	3.84	-8.311	-0.0048	/	Pass			
				30	3.84	-5.078	-0.0029	/	Pass			
				40	3.84	-5.865	-0.0034	/	Pass			
				50	3.84	0.401	0.0002	/	Pass			
				1750	50	0	20	3.6	-8.955	-0.0051	/	Pass
	3.84	2.046	0.0012					/	Pass			
	4.3	-18.983	-0.0108					/	Pass			
	-30	3.84	-8.211				-0.0047	/	Pass			
	-20	3.84	-8.626				-0.0049	/	Pass			
	-10	3.84	-7.110				-0.0041	/	Pass			
	0	3.84	-5.937				-0.0034	/	Pass			
	10	3.84	-3.319				-0.0019	/	Pass			
	30	3.84	1.202				0.0007	/	Pass			
	40	3.84	-3.862				-0.0022	/	Pass			
	50	3.84	-8.068				-0.0046	/	Pass			
	1715	50	0				20	3.6	-3.676	-0.0021	/	Pass
								3.84	-0.043	0.0000	/	Pass
								4.3	-0.544	-0.0003	/	Pass
							-30	3.84	-1.402	-0.0008	/	Pass
				-20	3.84	-4.177	-0.0024	/	Pass			
-10				3.84	-10.271	-0.0060	/	Pass				
0				3.84	-4.992	-0.0029	/	Pass				
10				3.84	-6.680	-0.0039	/	Pass				
30				3.84	-1.144	-0.0007	/	Pass				
40				3.84	0.429	0.0003	/	Pass				
50				3.84	-1.416	-0.0008	/	Pass				
1732.5				50	0	20	3.6	-5.937	-0.0034	/	Pass	
							3.84	0.000	0.0000	/	Pass	
							4.3	3.748	0.0022	/	Pass	
						-30	3.84	-9.570	-0.0055	/	Pass	
	-20	3.84	-5.965			-0.0034	/	Pass				
	-10	3.84	-7.696			-0.0044	/	Pass				
	0	3.84	-5.593			-0.0032	/	Pass				
	10	3.84	-3.033			-0.0018	/	Pass				
	30	3.84	-5.851			-0.0034	/	Pass				
	40	3.84	-4.506			-0.0026	/	Pass				
	50	3.84	-0.687			-0.0004	/	Pass				
	1750	50	0			20	3.6	-6.666	-0.0038	/	Pass	
							3.84	-8.268	-0.0047	/	Pass	



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 25 of 238

				4.3	-3.762	-0.0021	/	Pass
				-30	3.84	-4.506	-0.0026	Pass
				-20	3.84	-5.021	-0.0029	Pass
				-10	3.84	-4.535	-0.0026	Pass
				0	3.84	-4.835	-0.0028	Pass
				10	3.84	-6.037	-0.0034	Pass
				30	3.84	-11.101	-0.0063	Pass
				40	3.84	-6.752	-0.0039	Pass
				50	3.84	-1.216	-0.0007	Pass



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 26 of 238

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1717.5	75	0	20	3.6	-7.725	-0.0045	/	Pass	
					3.84	-7.353	-0.0043	/	Pass	
					4.3	-8.311	-0.0048	/	Pass	
				-30	3.84	-5.422	-0.0032	/	Pass	
					-20	3.84	-3.505	-0.0020	/	Pass
						3.84	-9.098	-0.0053	/	Pass
				0	3.84	-3.304	-0.0019	/	Pass	
					10	3.84	-9.413	-0.0055	/	Pass
				30	3.84	-5.021	-0.0029	/	Pass	
	40	3.84	-11.616	-0.0068	/	Pass				
	50	3.84	-5.736	-0.0033	/	Pass				
	1732.5	75	0	20	3.6	-5.093	-0.0029	/	Pass	
					3.84	-4.520	-0.0026	/	Pass	
					4.3	-6.609	-0.0038	/	Pass	
				-30	3.84	-6.409	-0.0037	/	Pass	
					-20	3.84	-4.020	-0.0023	/	Pass
						3.84	-5.865	-0.0034	/	Pass
				0	3.84	-3.233	-0.0019	/	Pass	
					10	3.84	-4.334	-0.0025	/	Pass
				30	3.84	-10.657	-0.0062	/	Pass	
	40	3.84	-2.747	-0.0016	/	Pass				
	50	3.84	-4.334	-0.0025	/	Pass				
	1747.5	75	0	20	3.6	-6.809	-0.0039	/	Pass	
					3.84	-5.021	-0.0029	/	Pass	
					4.3	-6.051	-0.0035	/	Pass	
				-30	3.84	-6.723	-0.0038	/	Pass	
					-20	3.84	0.672	0.0004	/	Pass
3.84						-5.794	-0.0033	/	Pass	
0				3.84	-10.843	-0.0062	/	Pass		
				10	3.84	-6.480	-0.0037	/	Pass	
30				3.84	-3.562	-0.0020	/	Pass		
40	3.84	-8.941	-0.0051	/	Pass					
50	3.84	-4.463	-0.0026	/	Pass					
16QAM	1717.5	75	0	20	3.6	-6.266	-0.0036	/	Pass	
					3.84	0.215	0.0001	/	Pass	
					4.3	-3.319	-0.0019	/	Pass	
				-30	3.84	-4.549	-0.0026	/	Pass	
					-20	3.84	-2.017	-0.0012	/	Pass
				-10	3.84	-7.453	-0.0043	/	Pass	
					0	3.84	-4.435	-0.0026	/	Pass
10	3.84	-11.573	-0.0067	/	Pass					



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 27 of 238

64QAM	1732.5	75	0	30	3.84	-2.775	-0.0016	/	Pass		
				40	3.84	-2.446	-0.0014	/	Pass		
				50	3.84	-7.811	-0.0045	/	Pass		
				20	3.6	-3.104	-0.0018	/	Pass		
					3.84	2.532	0.0015	/	Pass		
					4.3	-0.114	-0.0001	/	Pass		
				-30	3.84	-5.894	-0.0034	/	Pass		
				-20	3.84	-4.220	-0.0024	/	Pass		
				-10	3.84	-7.854	-0.0045	/	Pass		
				0	3.84	-3.304	-0.0019	/	Pass		
	10	3.84	-3.090	-0.0018	/	Pass					
	30	3.84	-1.159	-0.0007	/	Pass					
	40	3.84	-3.090	-0.0018	/	Pass					
	50	3.84	-7.768	-0.0045	/	Pass					
	1747.5	75	0	20	3.6	-6.537	-0.0037	/	Pass		
					3.84	-6.166	-0.0035	/	Pass		
					4.3	-4.191	-0.0024	/	Pass		
				-30	3.84	-5.636	-0.0032	/	Pass		
				-20	3.84	-2.818	-0.0016	/	Pass		
				-10	3.84	-6.423	-0.0037	/	Pass		
0				3.84	-3.533	-0.0020	/	Pass			
10				3.84	-5.050	-0.0029	/	Pass			
30				3.84	-5.322	-0.0030	/	Pass			
40				3.84	-5.264	-0.0030	/	Pass			
50	3.84	2.317	0.0013	/	Pass						
1717.5	75	0	20	3.6	-7.310	-0.0043	/	Pass			
				3.84	-1.130	-0.0007	/	Pass			
				4.3	0.401	0.0002	/	Pass			
			-30	3.84	-3.076	-0.0018	/	Pass			
			-20	3.84	-5.736	-0.0033	/	Pass			
			-10	3.84	-10.328	-0.0060	/	Pass			
			0	3.84	-1.974	-0.0011	/	Pass			
			10	3.84	-4.435	-0.0026	/	Pass			
			30	3.84	-8.354	-0.0049	/	Pass			
			40	3.84	-2.861	-0.0017	/	Pass			
			50	3.84	-2.332	-0.0014	/	Pass			
			1732.5	75	0	20	3.6	-8.583	-0.0050	/	Pass
							3.84	-4.821	-0.0028	/	Pass
							4.3	-0.772	-0.0004	/	Pass
-30	3.84	0.186				0.0001	/	Pass			
-20	3.84	-0.343				-0.0002	/	Pass			
-10	3.84	-3.161				-0.0018	/	Pass			
0	3.84	-20.800				-0.0120	/	Pass			
10	3.84	-0.687				-0.0004	/	Pass			
30	3.84	-5.035				-0.0029	/	Pass			
40	3.84	0.515				0.0003	/	Pass			
50	3.84	-1.931	-0.0011	/	Pass						
1747.5	75	0	20	3.6	-5.879	-0.0034	/	Pass			
				3.84	-6.423	-0.0037	/	Pass			



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Report No.: SZCR240200059401
Rev.: 01
Page: 28 of 238

				4.3	-3.362	-0.0019	/	Pass
				-30	3.84	-7.982	-0.0046	Pass
				-20	3.84	-7.939	-0.0045	Pass
				-10	3.84	-3.161	-0.0018	Pass
				0	3.84	-4.549	-0.0026	Pass
				10	3.84	-3.505	-0.0020	Pass
				30	3.84	-4.821	-0.0028	Pass
				40	3.84	-8.612	-0.0049	Pass
				50	3.84	-7.567	-0.0043	Pass



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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 29 of 238

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.6	-8.512	-0.0049	/	Pass
					3.84	-10.014	-0.0058	/	Pass
					4.3	-4.048	-0.0024	/	Pass
				-30	3.84	-8.483	-0.0049	/	Pass
				-20	3.84	-0.715	-0.0004	/	Pass
				-10	3.84	1.359	0.0008	/	Pass
				0	3.84	-10.128	-0.0059	/	Pass
				10	3.84	-6.208	-0.0036	/	Pass
				30	3.84	-4.907	-0.0029	/	Pass
				40	3.84	-3.018	-0.0018	/	Pass
				50	3.84	-7.696	-0.0045	/	Pass
				1732.5	100	0	20	3.6	-1.917
	3.84	-3.390	-0.0020					/	Pass
	4.3	-7.596	-0.0044					/	Pass
	-30	3.84	-3.090				-0.0018	/	Pass
	-20	3.84	0.014				0.0000	/	Pass
	-10	3.84	-1.845				-0.0011	/	Pass
	0	3.84	-3.834				-0.0022	/	Pass
	10	3.84	-7.453				-0.0043	/	Pass
	30	3.84	-4.063				-0.0023	/	Pass
	40	3.84	-1.016				-0.0006	/	Pass
	50	3.84	-6.194				-0.0036	/	Pass
	1745	100	0				20	3.6	-0.443
				3.84	-6.938	-0.0040		/	Pass
				4.3	-5.422	-0.0031		/	Pass
				-30	3.84	-4.091	-0.0023	/	Pass
				-20	3.84	-6.223	-0.0036	/	Pass
				-10	3.84	-4.678	-0.0027	/	Pass
				0	3.84	-3.862	-0.0022	/	Pass
				10	3.84	-1.974	-0.0011	/	Pass
30				3.84	-2.460	-0.0014	/	Pass	
40				3.84	-5.107	-0.0029	/	Pass	
50				3.84	-5.293	-0.0030	/	Pass	
16QAM				1720	100	0	20	3.6	-6.838
	3.84	-3.161	-0.0018					/	Pass
	4.3	-3.233	-0.0019					/	Pass
	-30	3.84	-2.117				-0.0012	/	Pass
	-20	3.84	-7.453				-0.0043	/	Pass
	-10	3.84	-3.576				-0.0021	/	Pass
	0	3.84	-3.304				-0.0019	/	Pass
	10	3.84	-2.804				-0.0016	/	Pass



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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 30 of 238

64QAM	1732.5	100	0	30	3.84	-0.157	-0.0001	/	Pass
				40	3.84	1.202	0.0007	/	Pass
				50	3.84	-6.809	-0.0040	/	Pass
				20	3.6	-0.186	-0.0001	/	Pass
					3.84	-5.322	-0.0031	/	Pass
					4.3	-4.377	-0.0025	/	Pass
				-30	3.84	-5.550	-0.0032	/	Pass
				-20	3.84	-6.852	-0.0040	/	Pass
				-10	3.84	-3.476	-0.0020	/	Pass
				0	3.84	-3.505	-0.0020	/	Pass
	10	3.84	-1.988	-0.0011	/	Pass			
	30	3.84	-7.682	-0.0044	/	Pass			
	40	3.84	-5.322	-0.0031	/	Pass			
	50	3.84	-4.764	-0.0027	/	Pass			
	1745	100	0	20	3.6	-1.545	-0.0009	/	Pass
					3.84	-3.633	-0.0021	/	Pass
					4.3	-5.951	-0.0034	/	Pass
				-30	3.84	-4.978	-0.0029	/	Pass
				-20	3.84	-4.835	-0.0028	/	Pass
				-10	3.84	-7.195	-0.0041	/	Pass
0				3.84	-3.705	-0.0021	/	Pass	
10				3.84	-5.493	-0.0031	/	Pass	
30				3.84	-5.665	-0.0032	/	Pass	
40				3.84	-5.937	-0.0034	/	Pass	
50	3.84	-8.097	-0.0046	/	Pass				
1720	100	0	20	3.6	-5.279	-0.0031	/	Pass	
				3.84	-2.947	-0.0017	/	Pass	
				4.3	-5.536	-0.0032	/	Pass	
			-30	3.84	-4.435	-0.0026	/	Pass	
			-20	3.84	-2.704	-0.0016	/	Pass	
			-10	3.84	1.874	0.0011	/	Pass	
			0	3.84	-0.815	-0.0005	/	Pass	
			10	3.84	-2.747	-0.0016	/	Pass	
			30	3.84	-0.801	-0.0005	/	Pass	
			40	3.84	-8.383	-0.0049	/	Pass	
	50	3.84	-4.520	-0.0026	/	Pass			
	1732.5	100	0	20	3.6	-2.360	-0.0014	/	Pass
					3.84	-2.346	-0.0014	/	Pass
					4.3	-4.878	-0.0028	/	Pass
				-30	3.84	-5.407	-0.0031	/	Pass
				-20	3.84	-2.518	-0.0015	/	Pass
				-10	3.84	-6.008	-0.0035	/	Pass
				0	3.84	-7.782	-0.0045	/	Pass
10				3.84	1.059	0.0006	/	Pass	
30	3.84	-4.020	-0.0023	/	Pass				
40	3.84	-3.047	-0.0018	/	Pass				
50	3.84	-4.992	-0.0029	/	Pass				
1745	100	0	20	3.6	-9.384	-0.0054	/	Pass	
				3.84	-1.974	-0.0011	/	Pass	



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Report No.: SZCR240200059401
Rev.: 01
Page: 31 of 238

				4.3	-6.781	-0.0039	/	Pass
				-30	3.84	-3.405	-0.0020	Pass
				-20	3.84	-3.161	-0.0018	Pass
				-10	3.84	-3.419	-0.0020	Pass
				0	3.84	-5.794	-0.0033	Pass
				10	3.84	-3.161	-0.0018	Pass
				30	3.84	-3.004	-0.0017	Pass
				40	3.84	-6.595	-0.0038	Pass
				50	3.84	-2.289	-0.0013	Pass



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Report No.: SZCR240200059401
Rev.: 01
Page: 32 of 238

3. Field Strength of Spurious Radiation

Test Band = Band 4 _ TM1
Test Channel = low

Freq (MHz)	LISN_Factor (dB)	Cable_Loss (dB)	Preamp_Gain (dB)	Read_Level (dBm)	Level (dBm)	Limit_Line (dBm)	Over -13DBM	Polarity
3422	32.14	6.13	36.12	-59.91	-46.46	-13	-33.46	Horizontal
5133	33.93	7.54	35.32	-65.04	-47.41	-13	-34.41	Horizontal
6844	35.48	8.81	35.47	-65.24	-45.89	-13	-32.89	Horizontal
Freq (MHz)	LISN_Factor (dB)	Cable_Loss (dB)	Preamp_Gain (dB)	Read_Level (dBm)	Level (dBm)	Limit_Line (dBm)	Over -13DBM	Polarity
3422	32.14	6.13	36.12	-59.82	-46.37	-13	-33.37	Vertical
5133	33.93	7.54	35.32	-64.91	-47.28	-13	-34.28	Vertical
6844	35.48	8.81	35.47	-64.67	-45.32	-13	-32.32	Vertical



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Report No.: SZCR240200059401

Rev.: 01

Page: 33 of 238

Test Band = Band 4 _ TM1
Test Channel = mid

Freq (MHz)	LISN_Factor (dB)	Cable_Loss (dB)	Preamp_Gain (dB)	Read_Level (dBm)	Level (dBm)	Limit_Line (dBm)	Over -13DBM	Polarity
3447	31.84	6.16	36.12	-59.99	-46.83	-13	-33.83	Horizontal
5170.5	33.94	7.57	35.3	-65.47	-47.81	-13	-34.81	Horizontal
6894	35.59	8.85	35.5	-65.45	-45.89	-13	-32.89	Horizontal
Freq (MHz)	LISN_Factor (dB)	Cable_Loss (dB)	Preamp_Gain (dB)	Read_Level (dBm)	Level (dBm)	Limit_Line (dBm)	Over -13DBM	Polarity
3447	31.84	6.16	36.12	-59.99	-46.83	-13	-33.83	Vertical
5170.5	33.94	7.57	35.3	-65.26	-47.6	-13	-34.6	Vertical
6894	35.59	8.85	35.5	-65.93	-46.37	-13	-33.37	Vertical



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Report No.: SZCR240200059401

Rev.: 01

Page: 34 of 238

Test Band = Band 4 _ TM1
Test Channel = high

Freq (MHz)	LISN_Factor (dB)	Cable_Loss (dB)	Preamp_Gain (dB)	Read_Level (dBm)	Level (dBm)	Limit_Line (dBm)	Over -13DBM	Polarity
3472	31.71	6.19	36.12	-60.17	-47.12	-13	-34.12	Horizontal
5208	34.02	7.6	35.28	-65.59	-47.83	-13	-34.83	Horizontal
6944	35.78	8.88	35.54	-64.36	-44.54	-13	-31.54	Horizontal
Freq (MHz)	LISN_Factor (dB)	Cable_Loss (dB)	Preamp_Gain (dB)	Read_Level (dBm)	Level (dBm)	Limit_Line (dBm)	Over -13DBM	Polarity
3472	31.71	6.19	36.12	-59.3	-46.25	-13	-33.25	Vertical
5208	34.02	7.6	35.28	-64.85	-47.09	-13	-34.09	Vertical
6944	35.78	8.88	35.54	-64.09	-44.27	-13	-31.27	Vertical

Remark:

1) All antennas of RSE are tested, and only the worst data is presented.



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Report No.: SZCR240200059401

Rev.: 01

Page: 35 of 238

4. 99% & 26dB Bandwidth

4.1 Band4_OBW

4.1.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.110	/	Pass
		1732.5	6	0	1.114	/	Pass
		1754.3	6	0	1.109	/	Pass
	16QAM	1710.7	6	0	1.108	/	Pass
		1732.5	6	0	1.111	/	Pass
		1754.3	6	0	1.117	/	Pass
	64QAM	1710.7	6	0	1.121	/	Pass
		1732.5	6	0	1.114	/	Pass
		1754.3	6	0	1.108	/	Pass
3	QPSK	1711.5	15	0	2.721	/	Pass
		1732.5	15	0	2.723	/	Pass
		1753.5	15	0	2.727	/	Pass
	16QAM	1711.5	15	0	2.725	/	Pass
		1732.5	15	0	2.724	/	Pass
		1753.5	15	0	2.719	/	Pass
	64QAM	1711.5	15	0	2.735	/	Pass
		1732.5	15	0	2.720	/	Pass
		1753.5	15	0	2.724	/	Pass
5	QPSK	1712.5	25	0	4.552	/	Pass
		1732.5	25	0	4.536	/	Pass
		1752.5	25	0	4.537	/	Pass
	16QAM	1712.5	25	0	4.537	/	Pass
		1732.5	25	0	4.563	/	Pass
		1752.5	25	0	4.547	/	Pass
	64QAM	1712.5	25	0	4.541	/	Pass
		1732.5	25	0	4.542	/	Pass
		1752.5	25	0	4.548	/	Pass
10	QPSK	1715	50	0	9.062	/	Pass
		1732.5	50	0	9.042	/	Pass
		1750	50	0	9.061	/	Pass
	16QAM	1715	50	0	9.078	/	Pass
		1732.5	50	0	9.054	/	Pass
		1750	50	0	9.064	/	Pass
	64QAM	1715	50	0	9.048	/	Pass
		1732.5	50	0	9.046	/	Pass
		1750	50	0	9.072	/	Pass
15	QPSK	1717.5	75	0	13.584	/	Pass
		1732.5	75	0	13.553	/	Pass
		1747.5	75	0	13.595	/	Pass



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Report No.: SZCR240200059401

Rev.: 01

Page: 36 of 238

	16QAM	1717.5	75	0	13.631	/	Pass
		1732.5	75	0	13.560	/	Pass
		1747.5	75	0	13.603	/	Pass
	64QAM	1717.5	75	0	13.595	/	Pass
		1732.5	75	0	13.582	/	Pass
		1747.5	75	0	13.646	/	Pass
20	QPSK	1720	100	0	18.117	/	Pass
		1732.5	100	0	18.109	/	Pass
		1745	100	0	18.122	/	Pass
	16QAM	1720	100	0	18.103	/	Pass
		1732.5	100	0	18.088	/	Pass
		1745	100	0	18.072	/	Pass
	64QAM	1720	100	0	18.182	/	Pass
		1732.5	100	0	18.064	/	Pass
		1745	100	0	18.108	/	Pass



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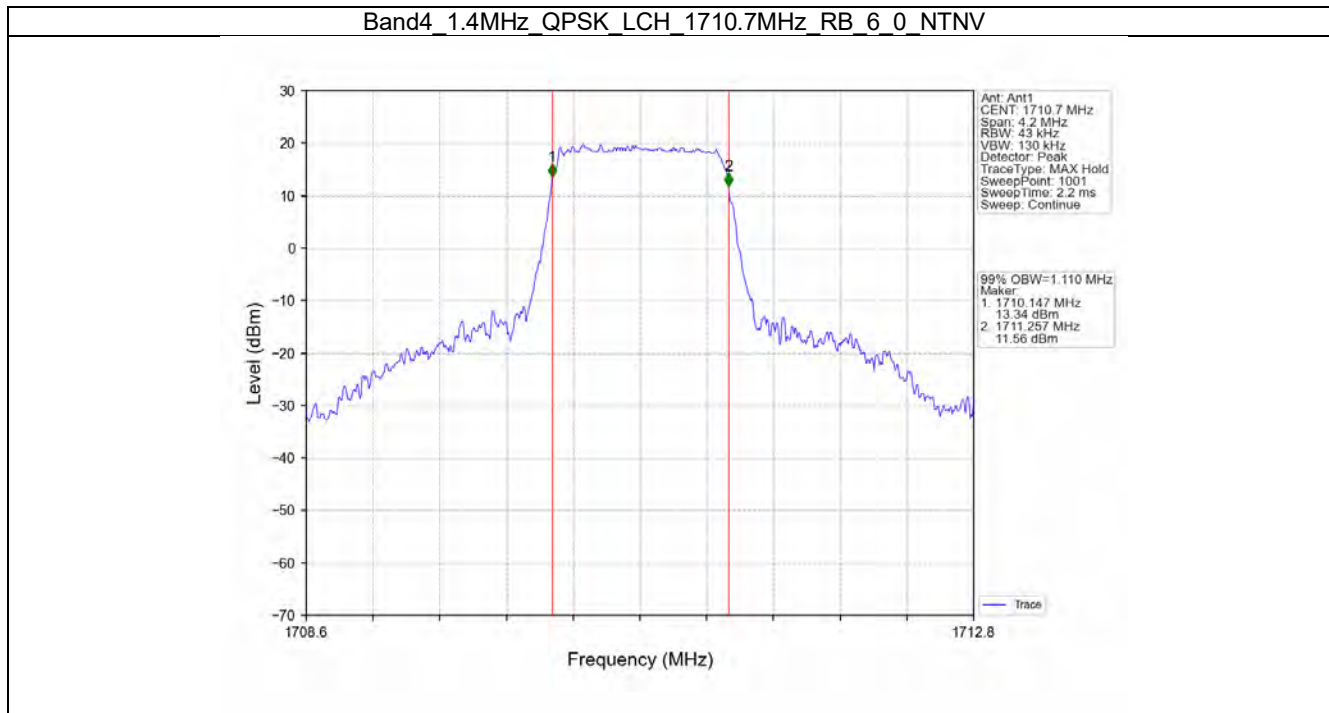
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Rev.: 01
Page: 37 of 238

4.1.2 Test Graph



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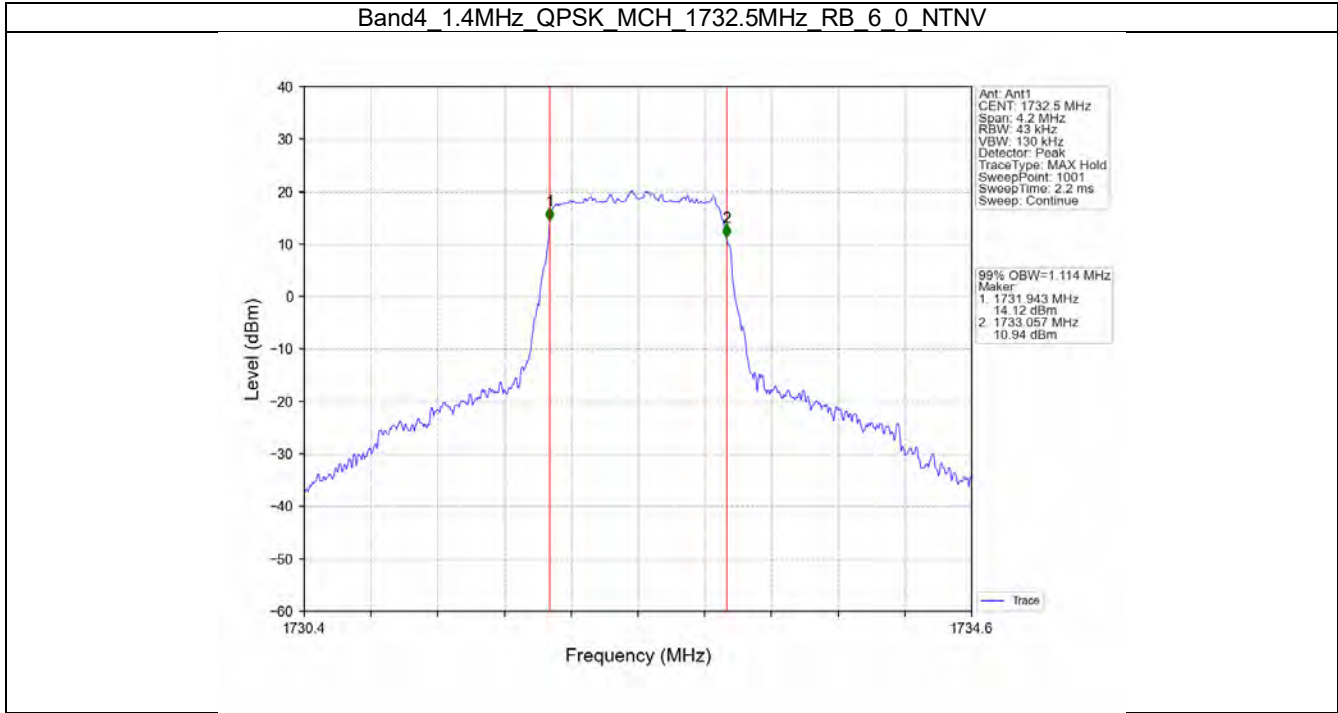
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Report No.: SZCR240200059401
 Rev.: 01
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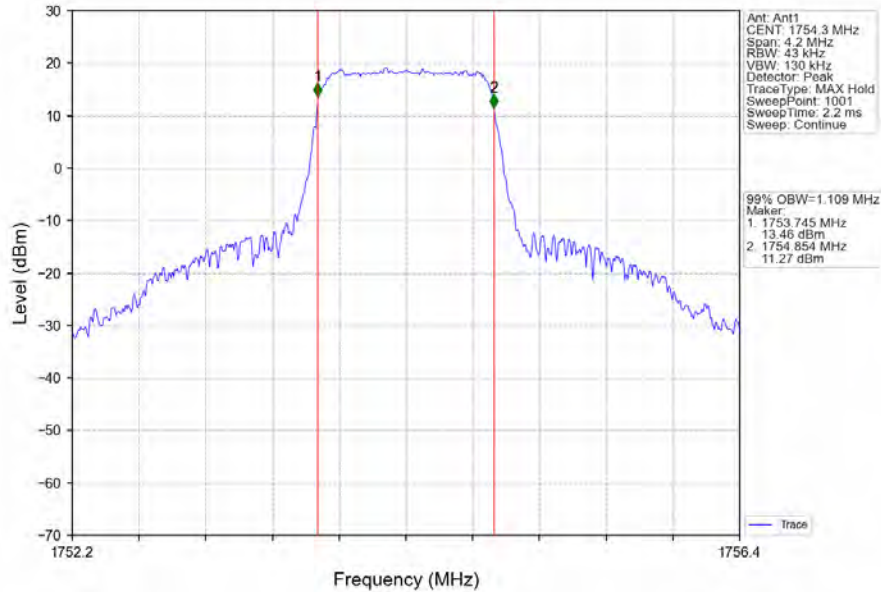
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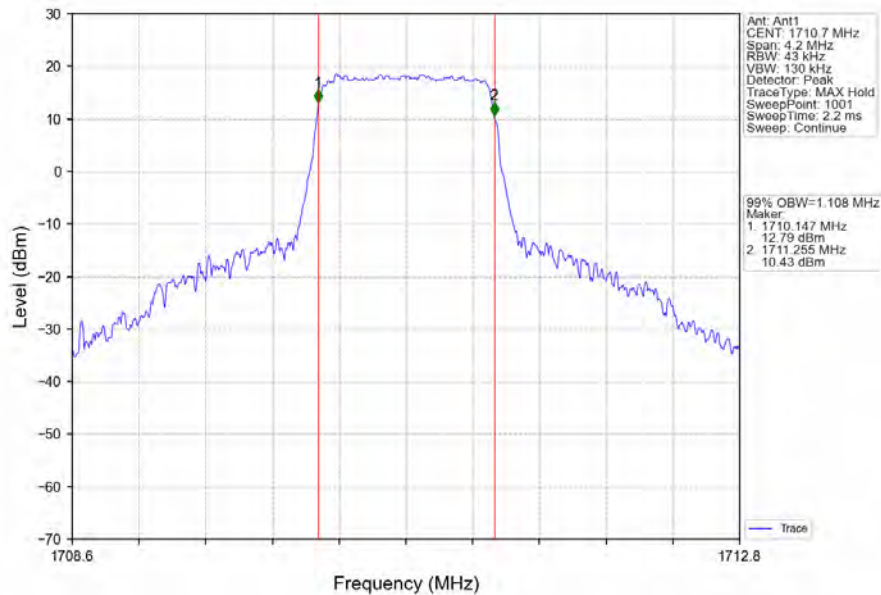
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 39 of 238

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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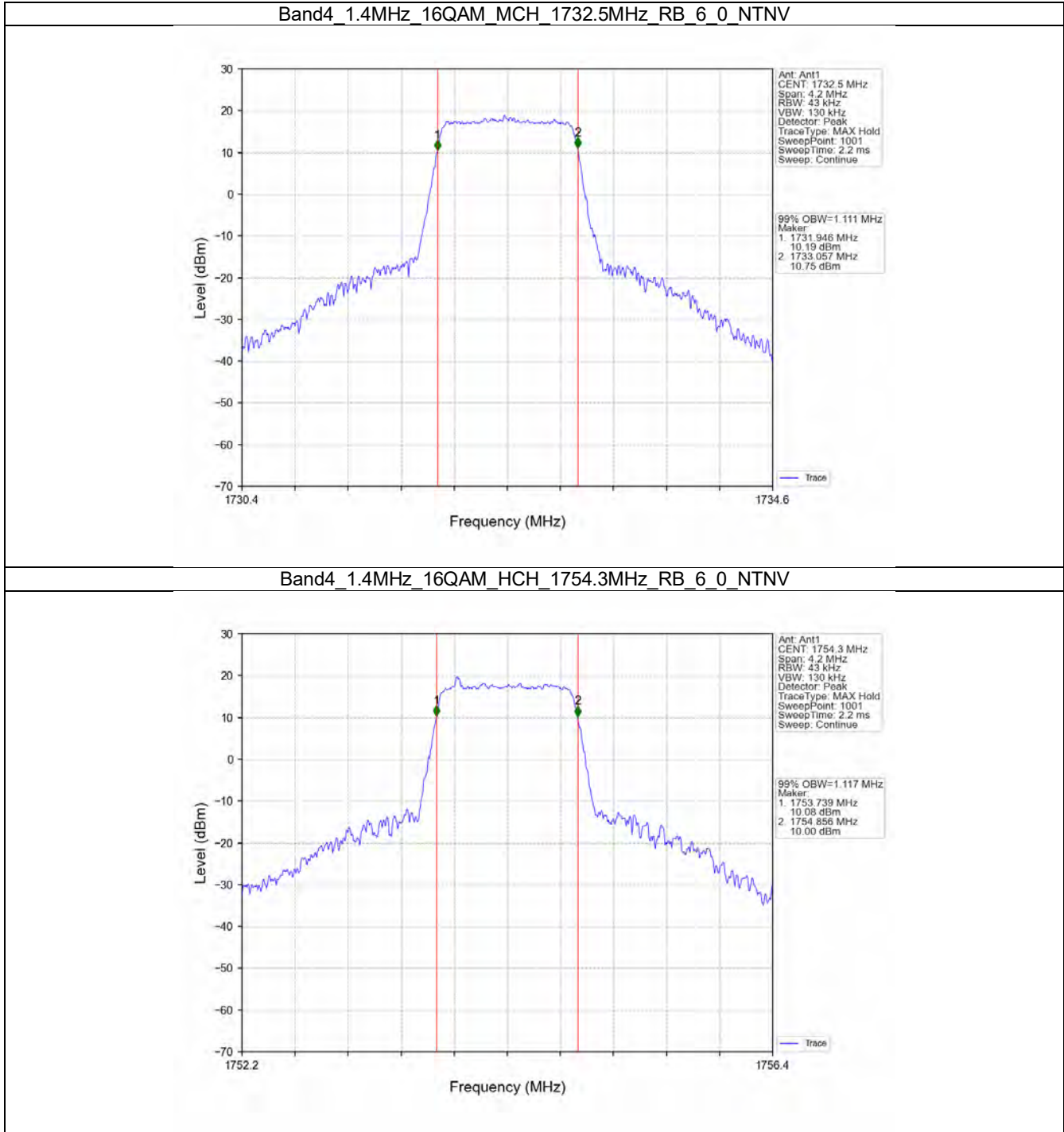
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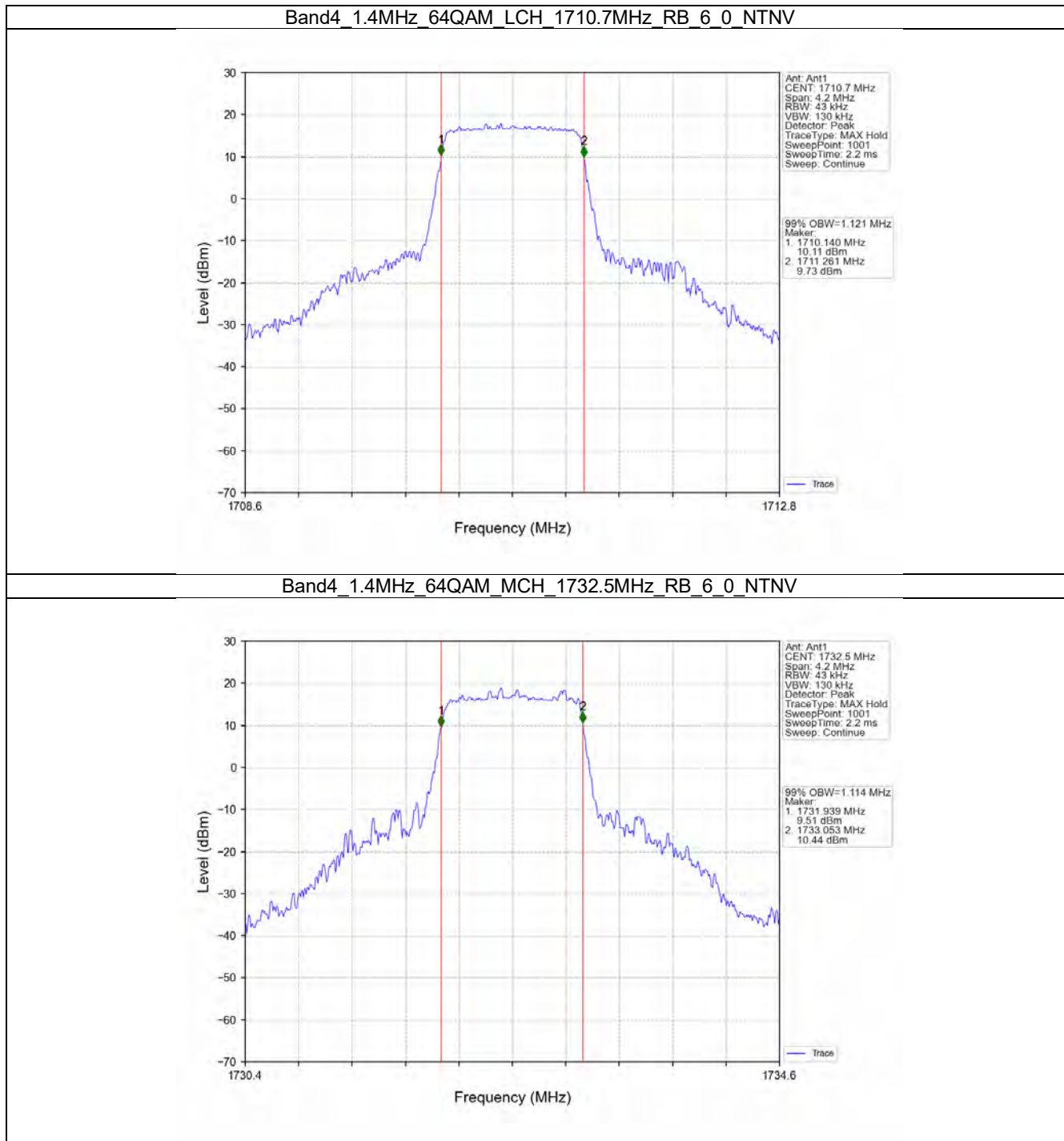
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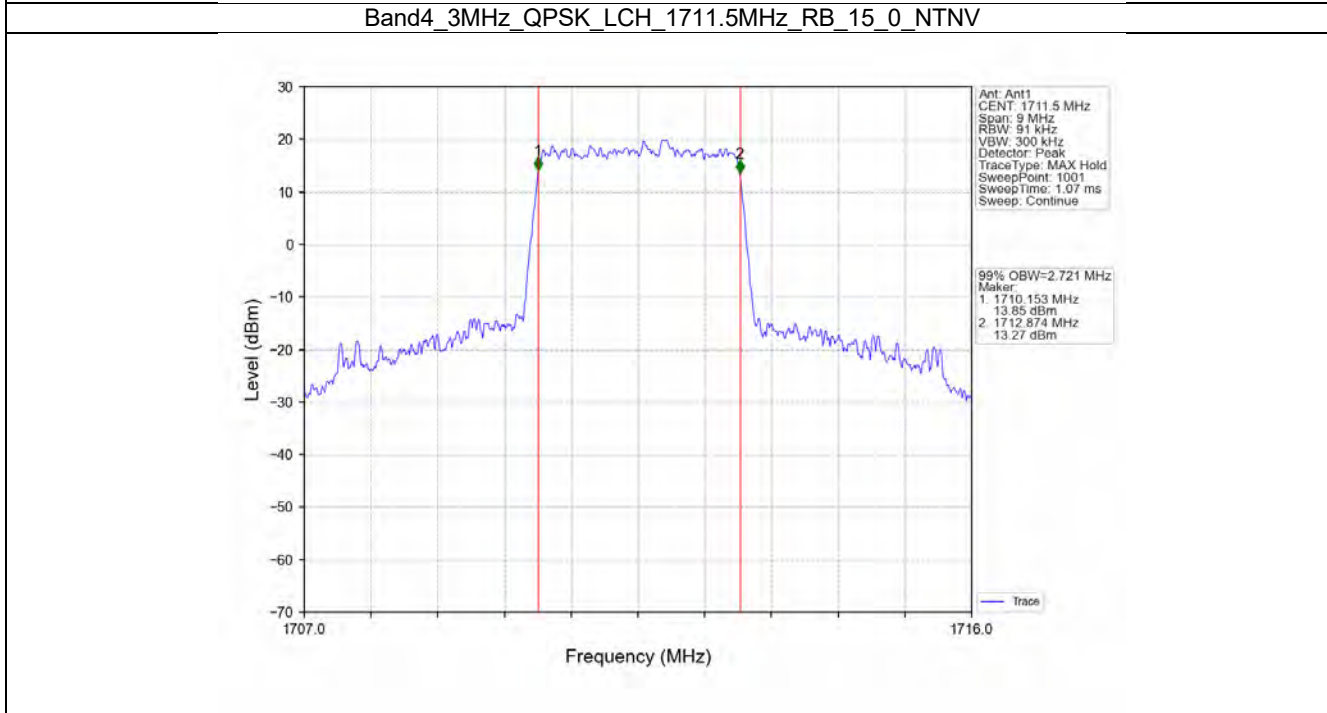
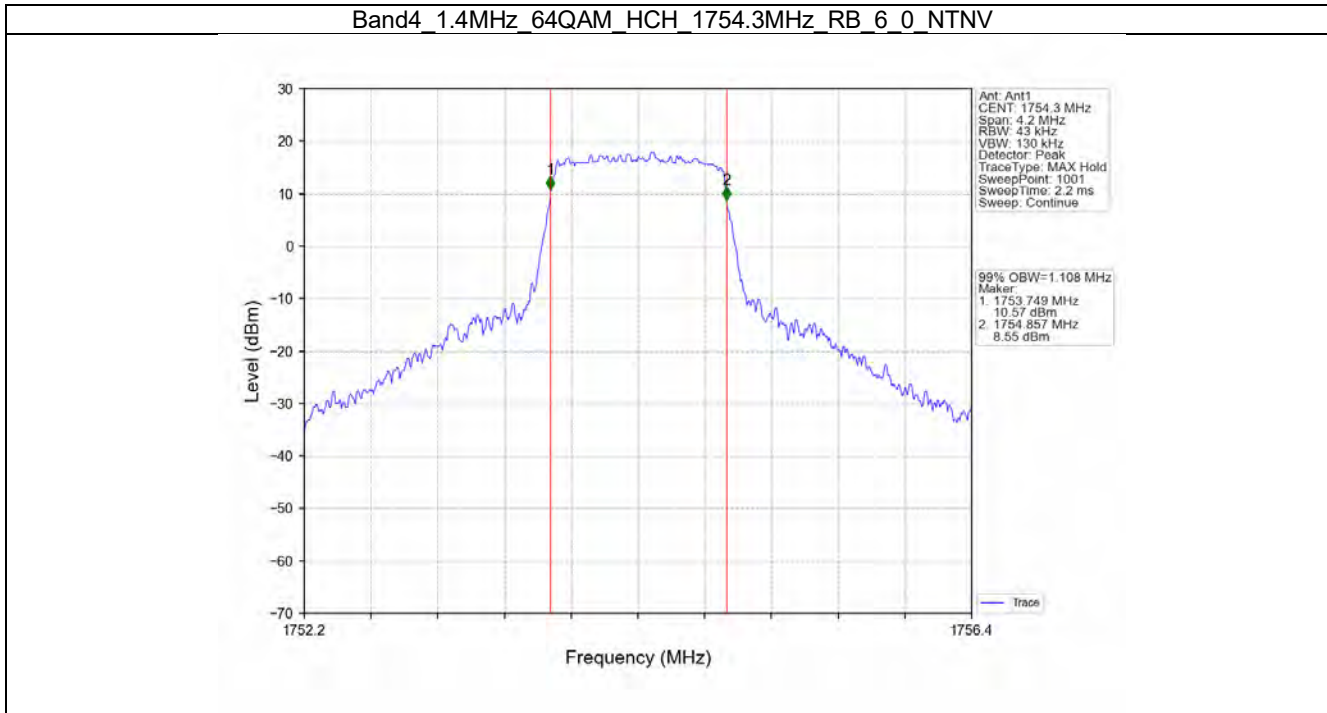
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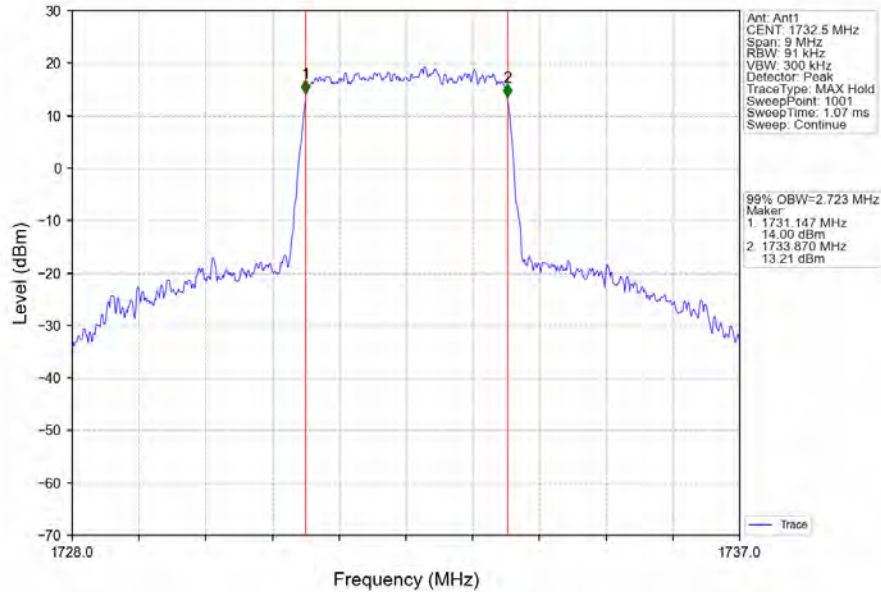
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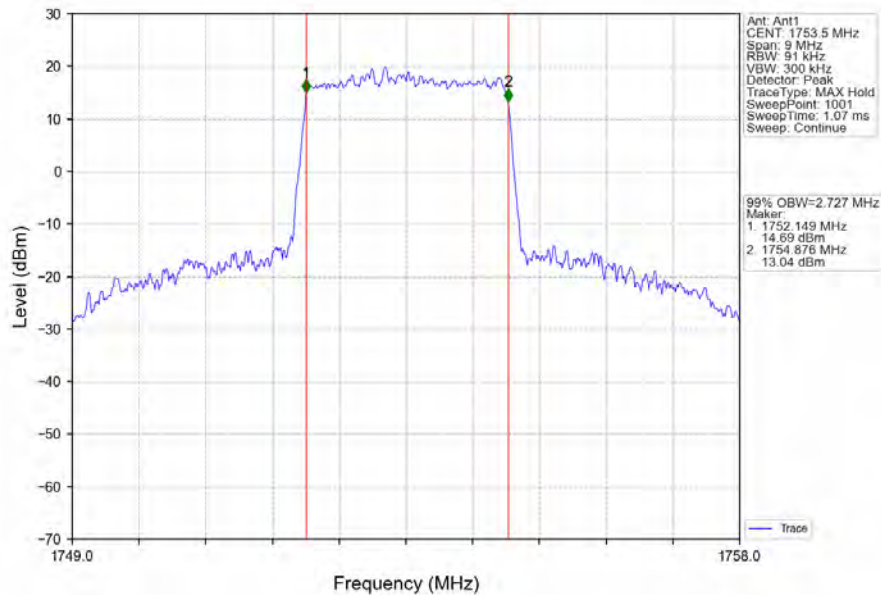
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 43 of 238

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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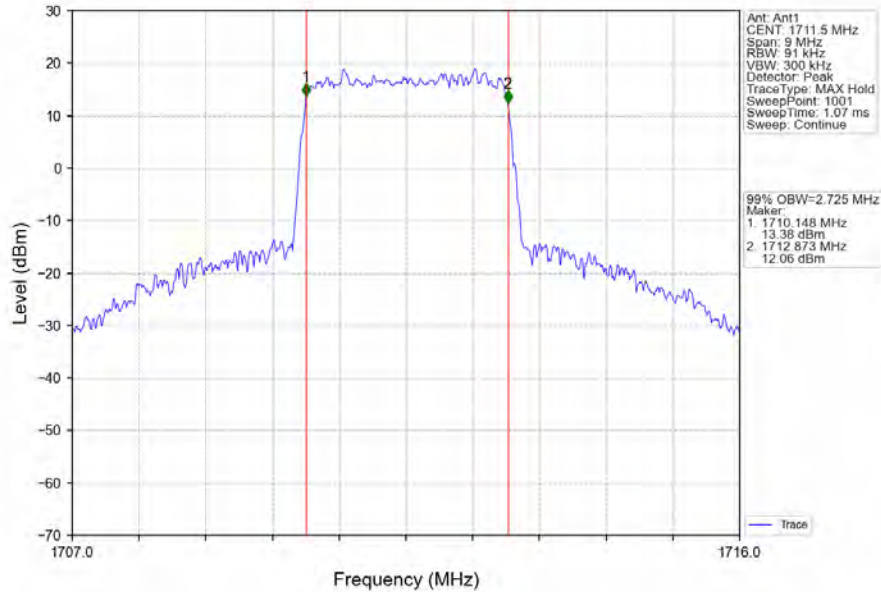
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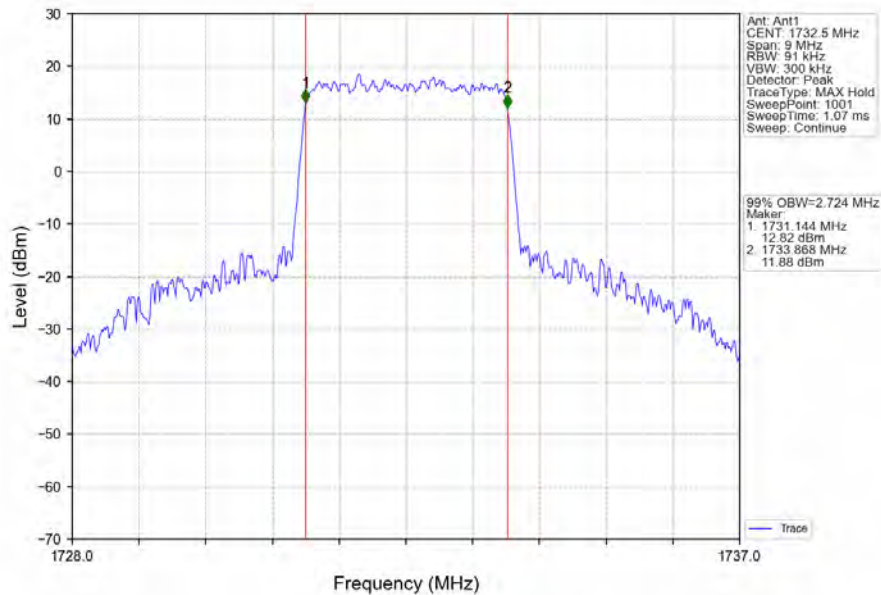
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Report No.: SZCR240200059401
 Rev.: 01
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



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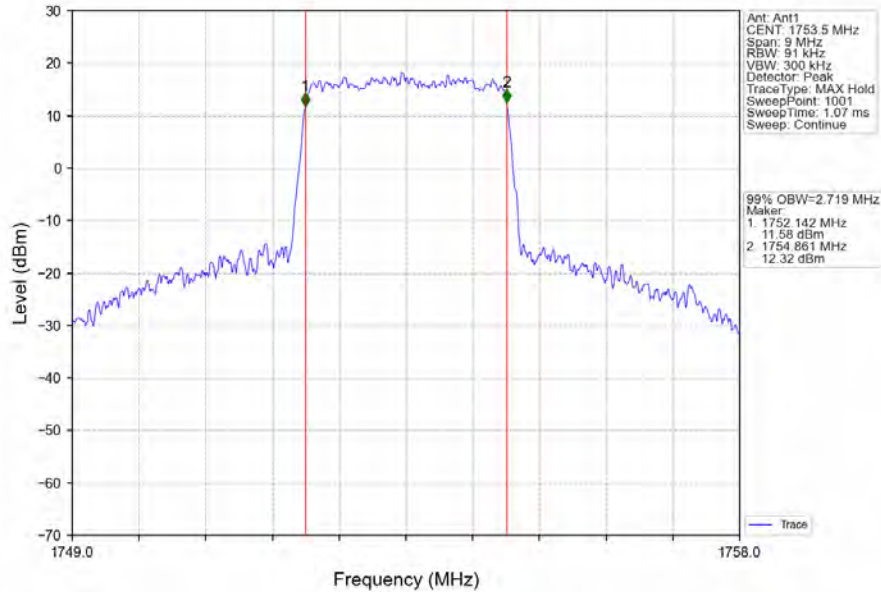
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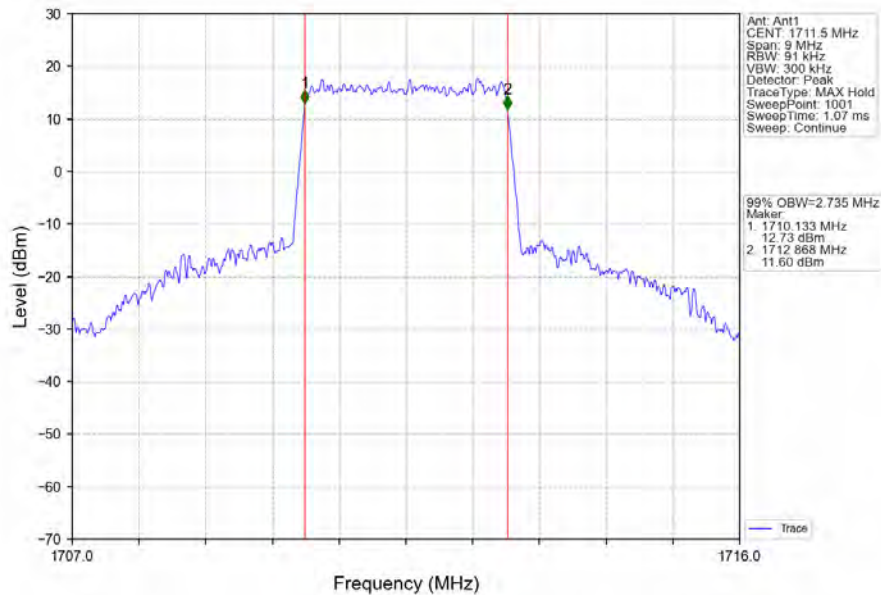
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Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



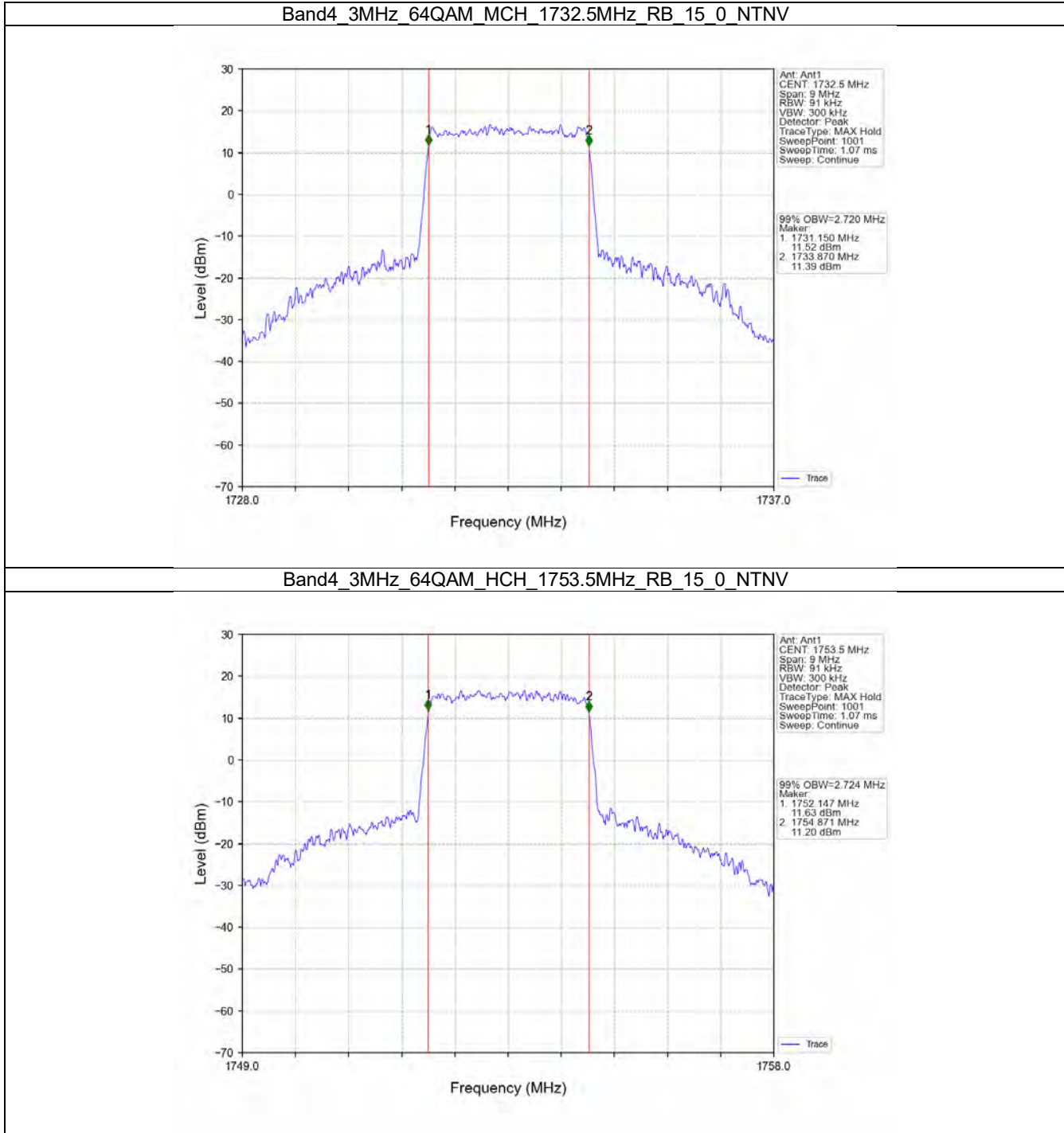
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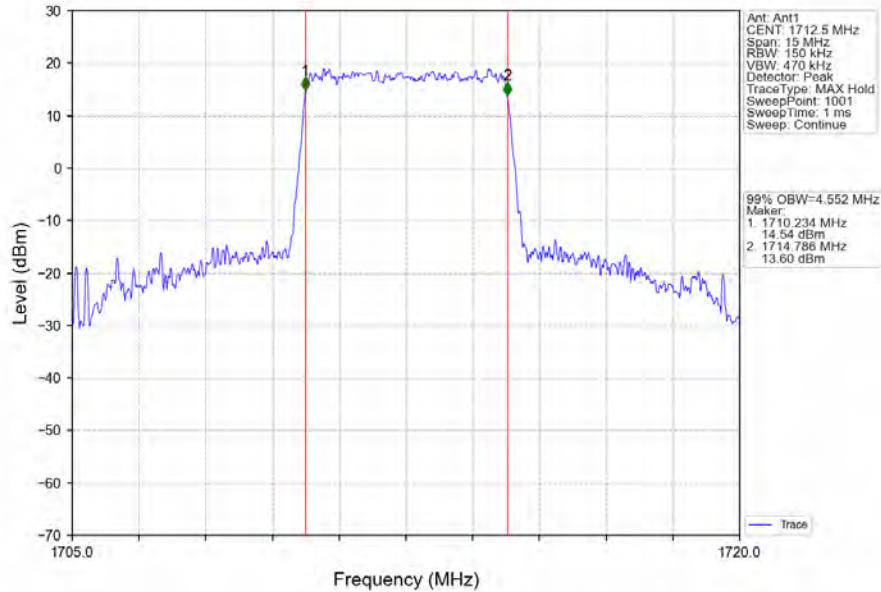
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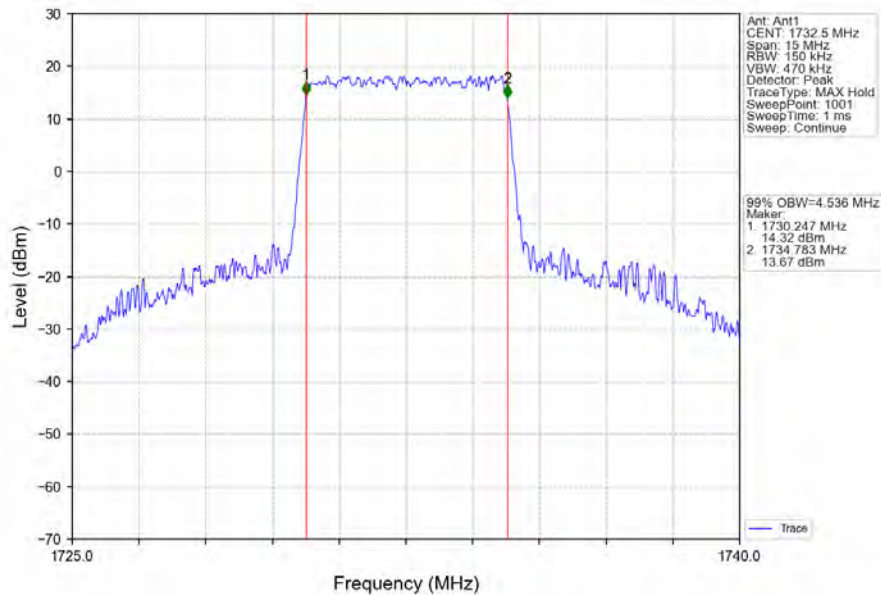
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 47 of 238

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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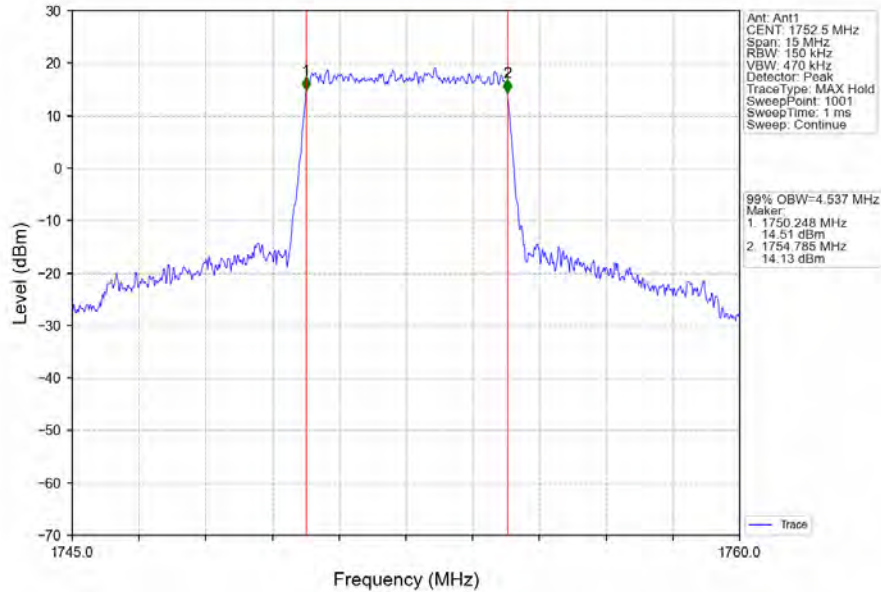
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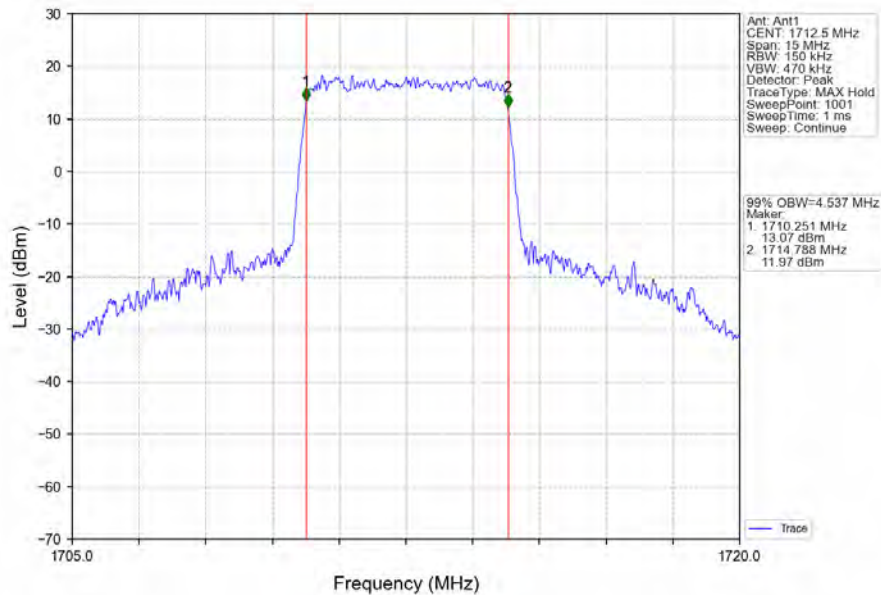
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 48 of 238

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



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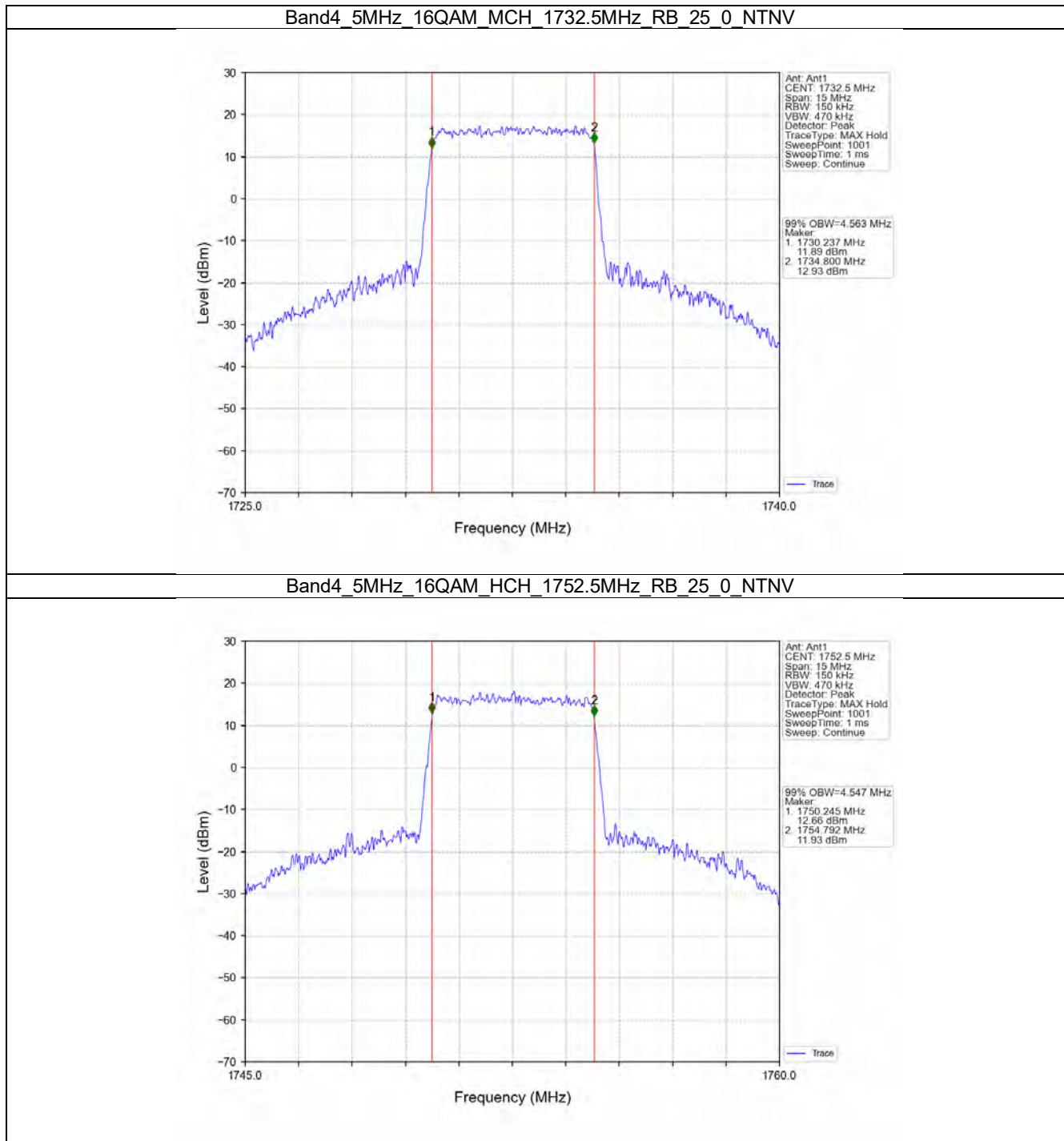
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 49 of 238



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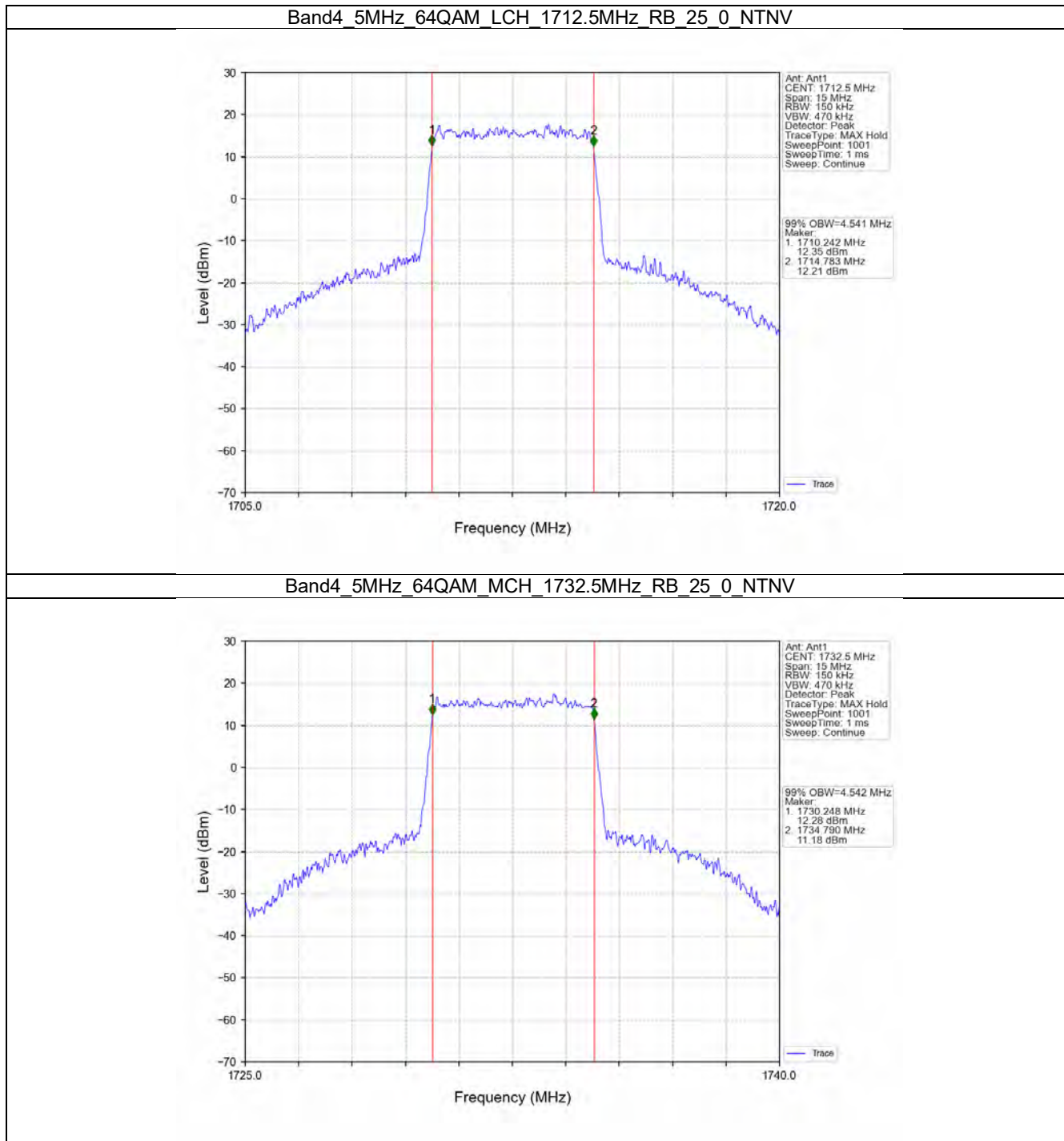
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 50 of 238



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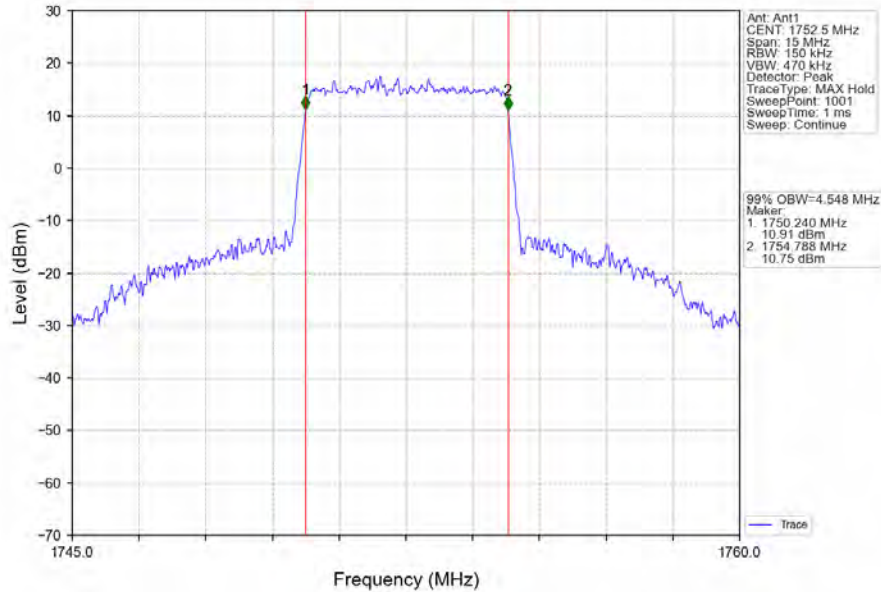
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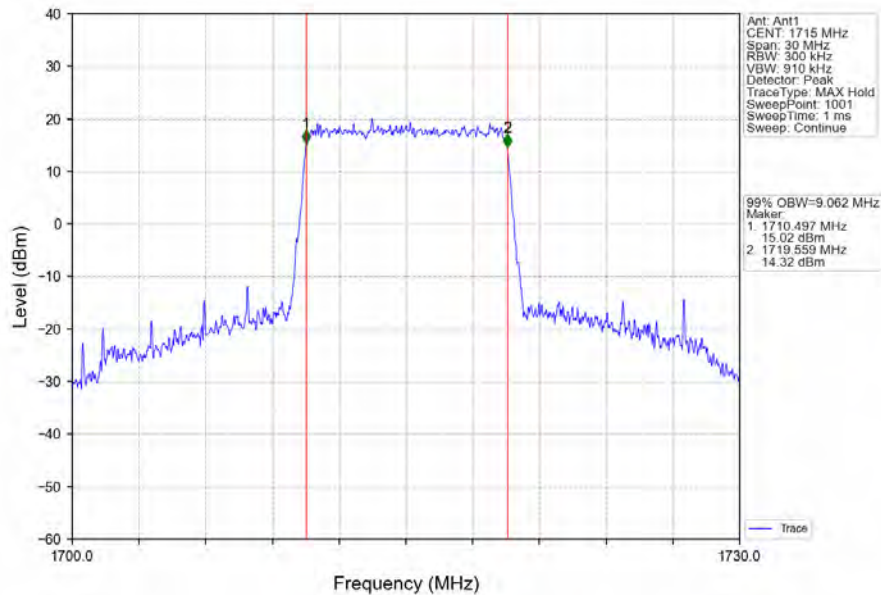
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 51 of 238

Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



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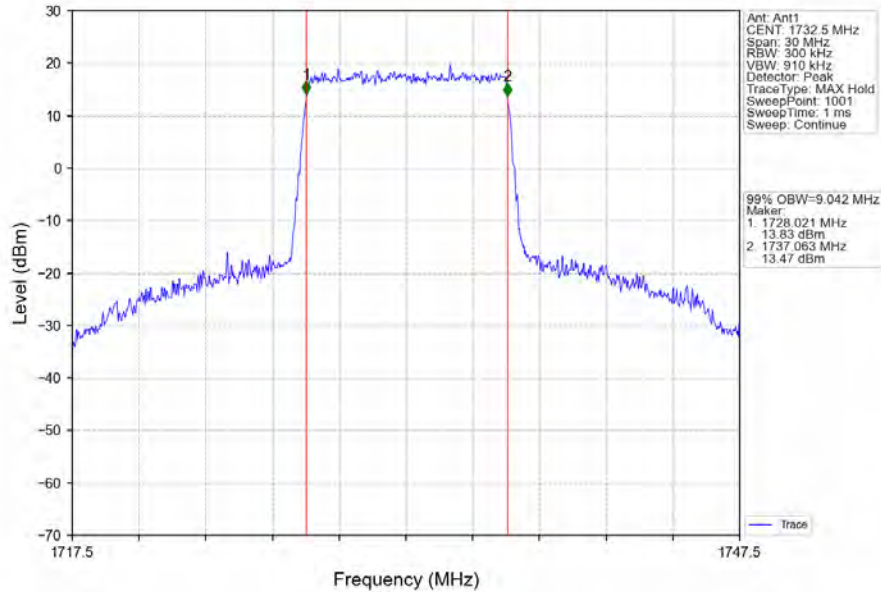
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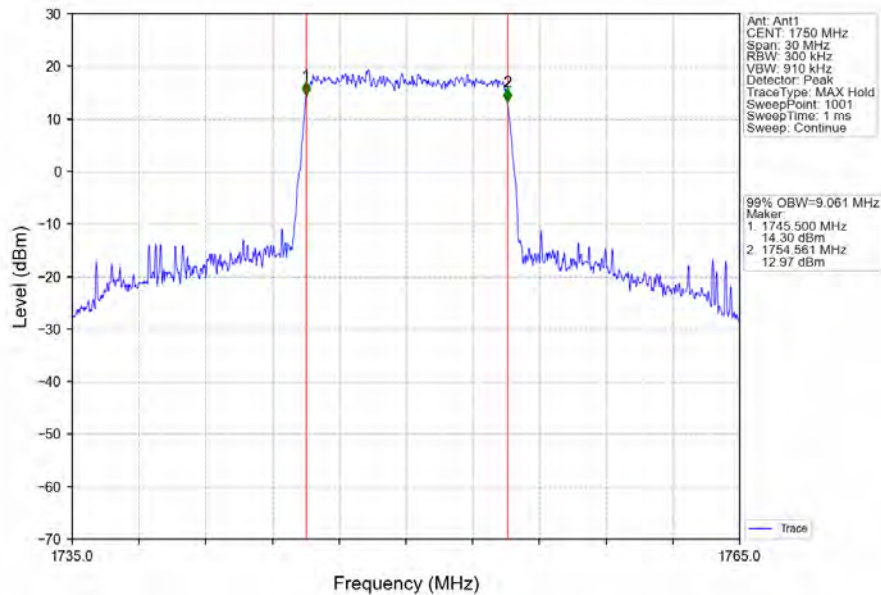
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 52 of 238

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



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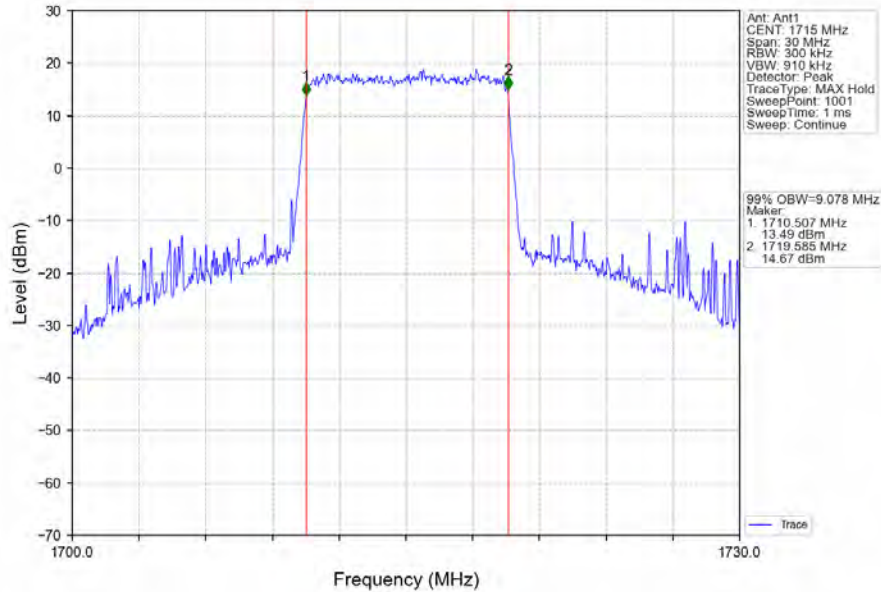
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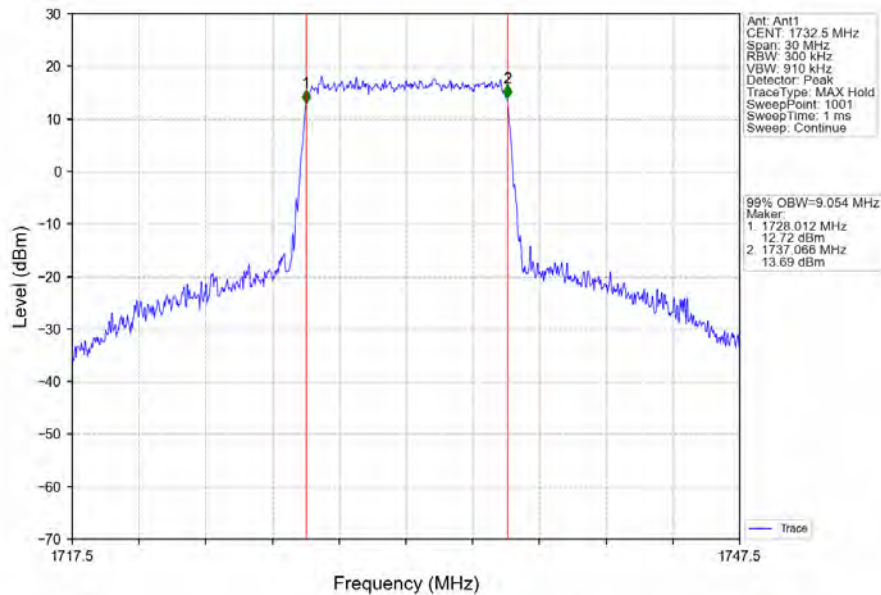
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 53 of 238

Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



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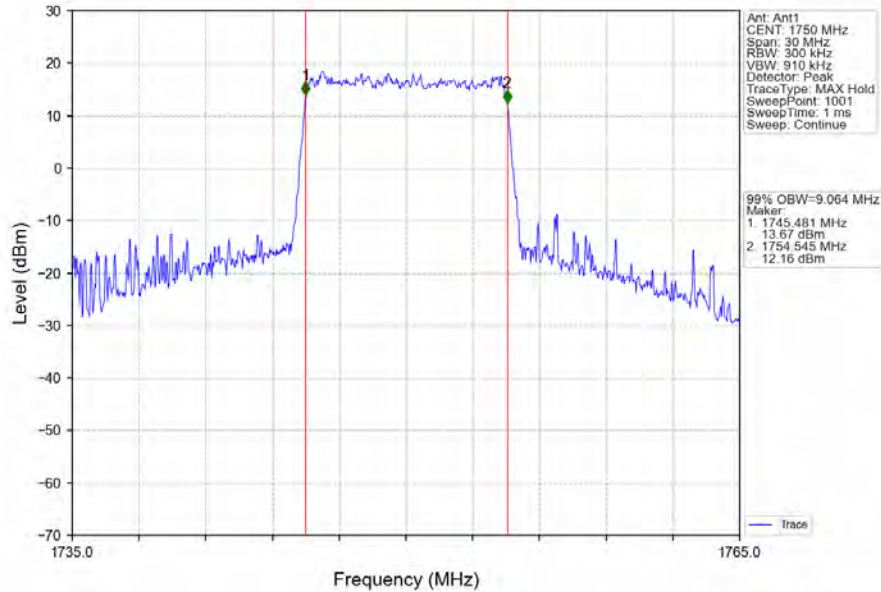
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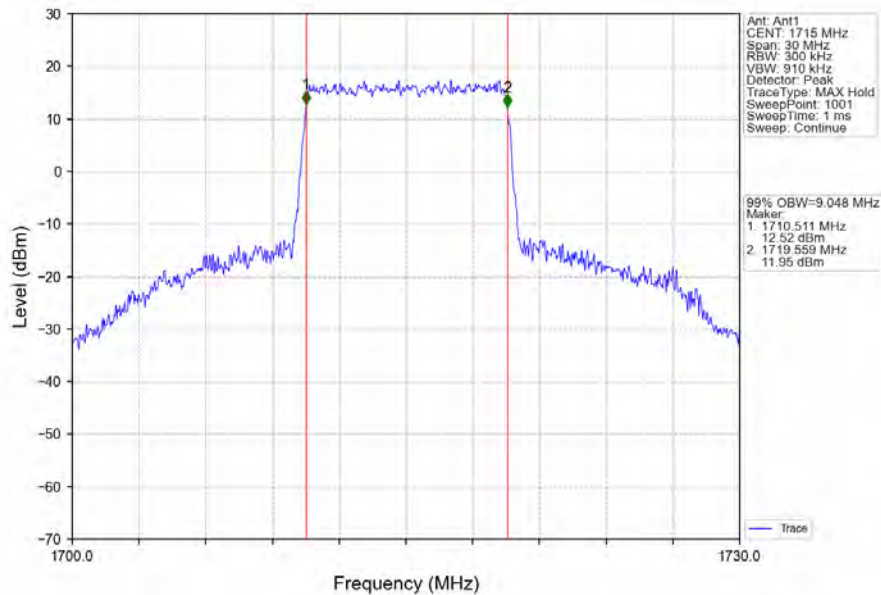
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 54 of 238

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



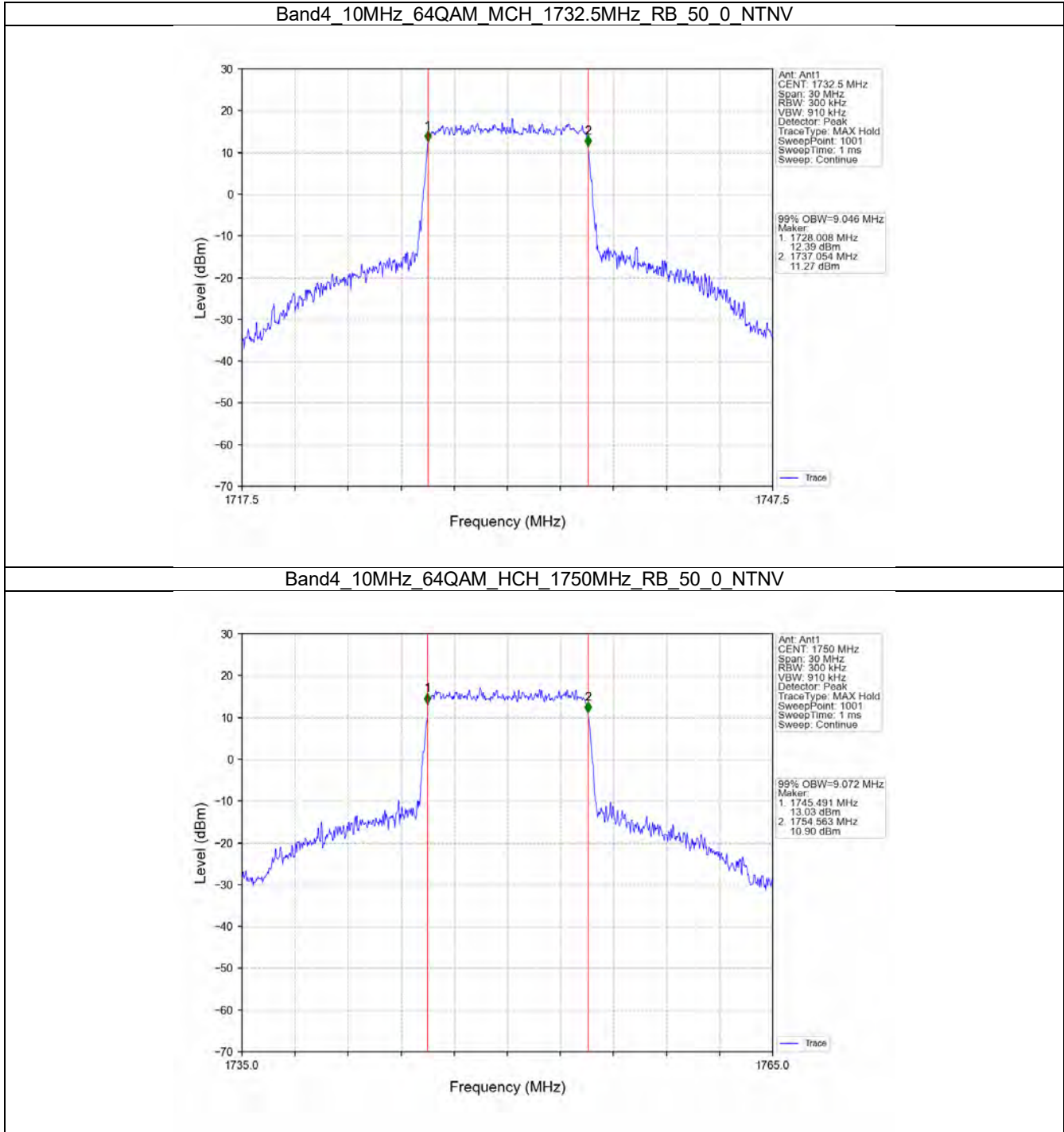
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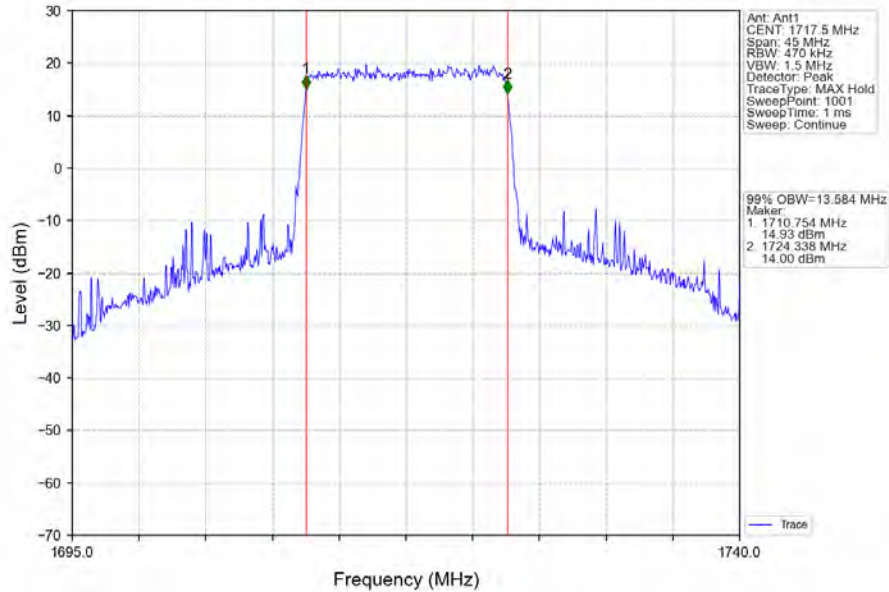
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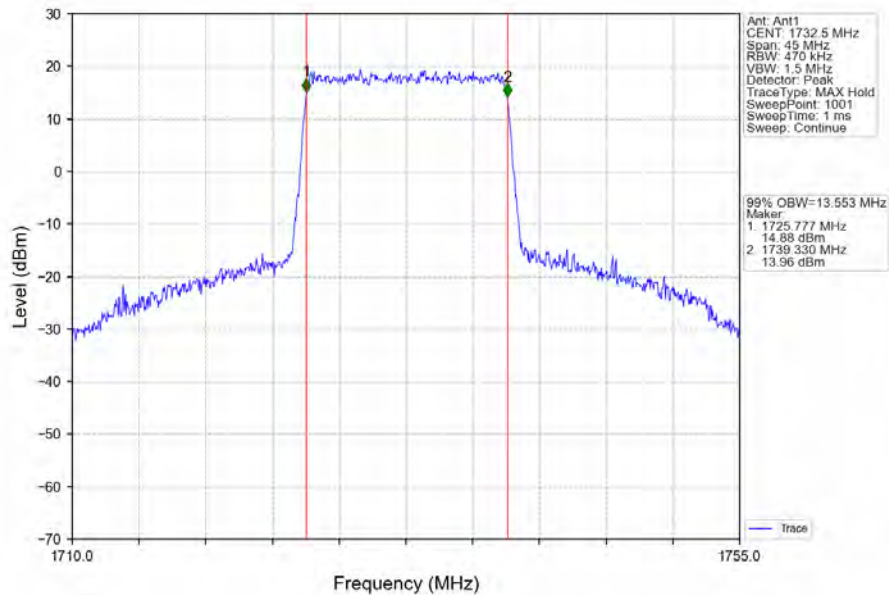
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 56 of 238

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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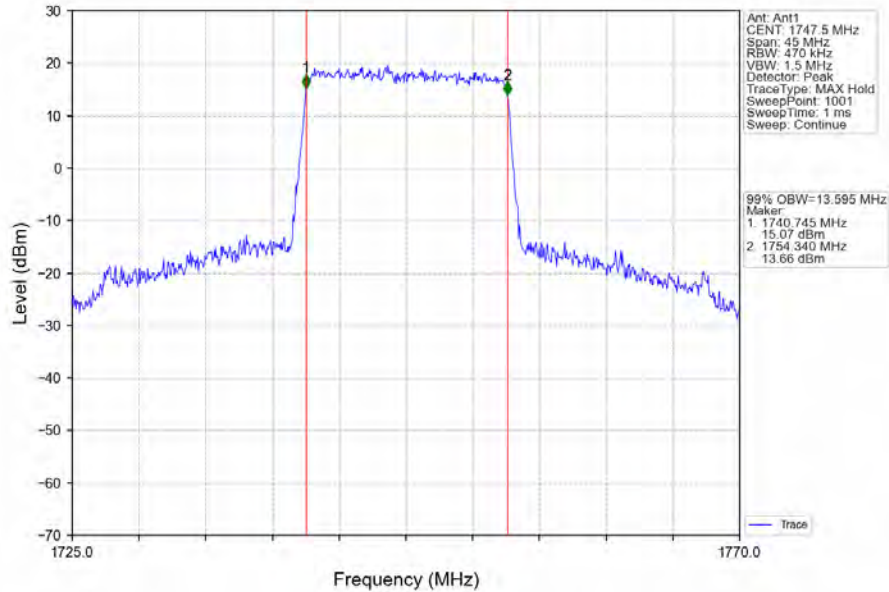
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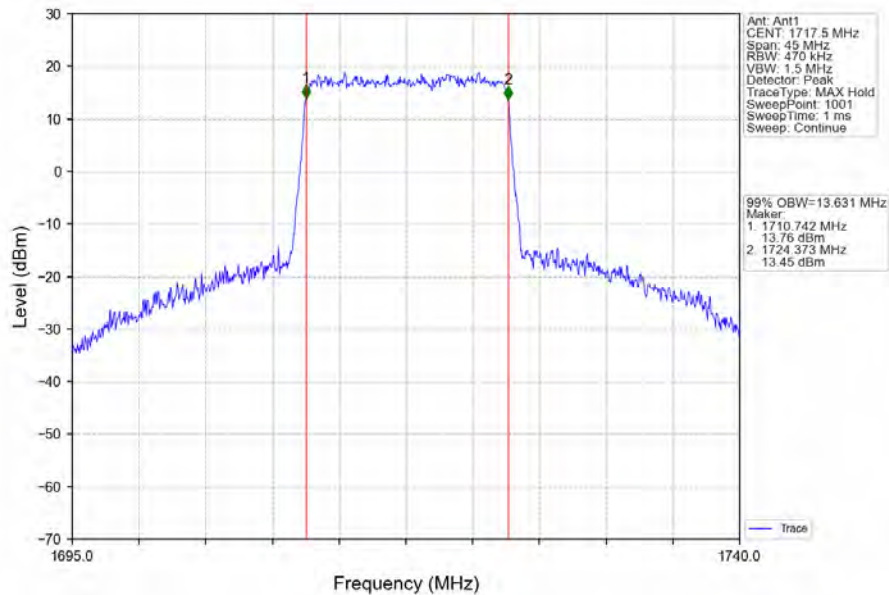
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 57 of 238

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



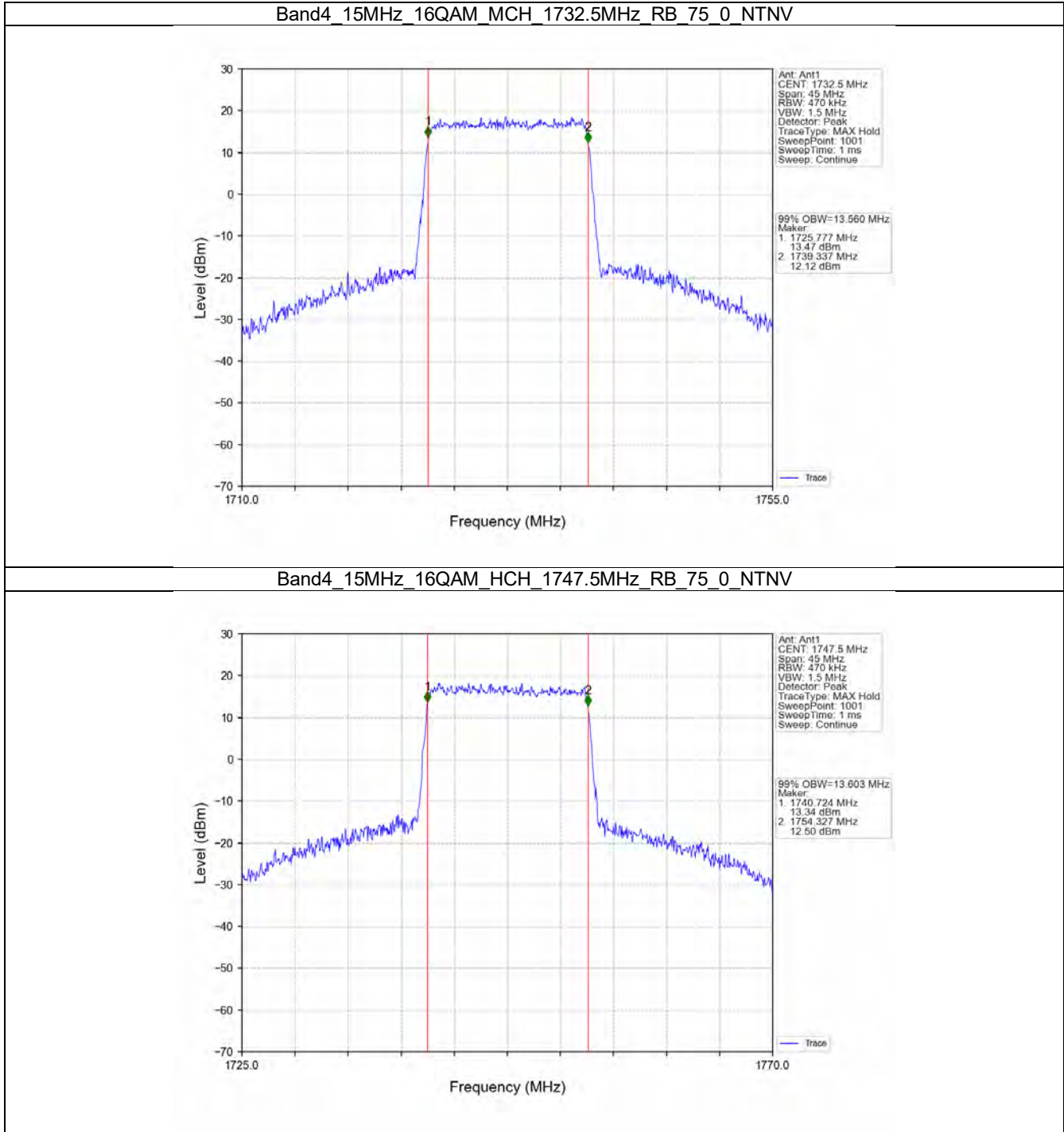
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Report No.: SZCR240200059401
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 Page: 58 of 238



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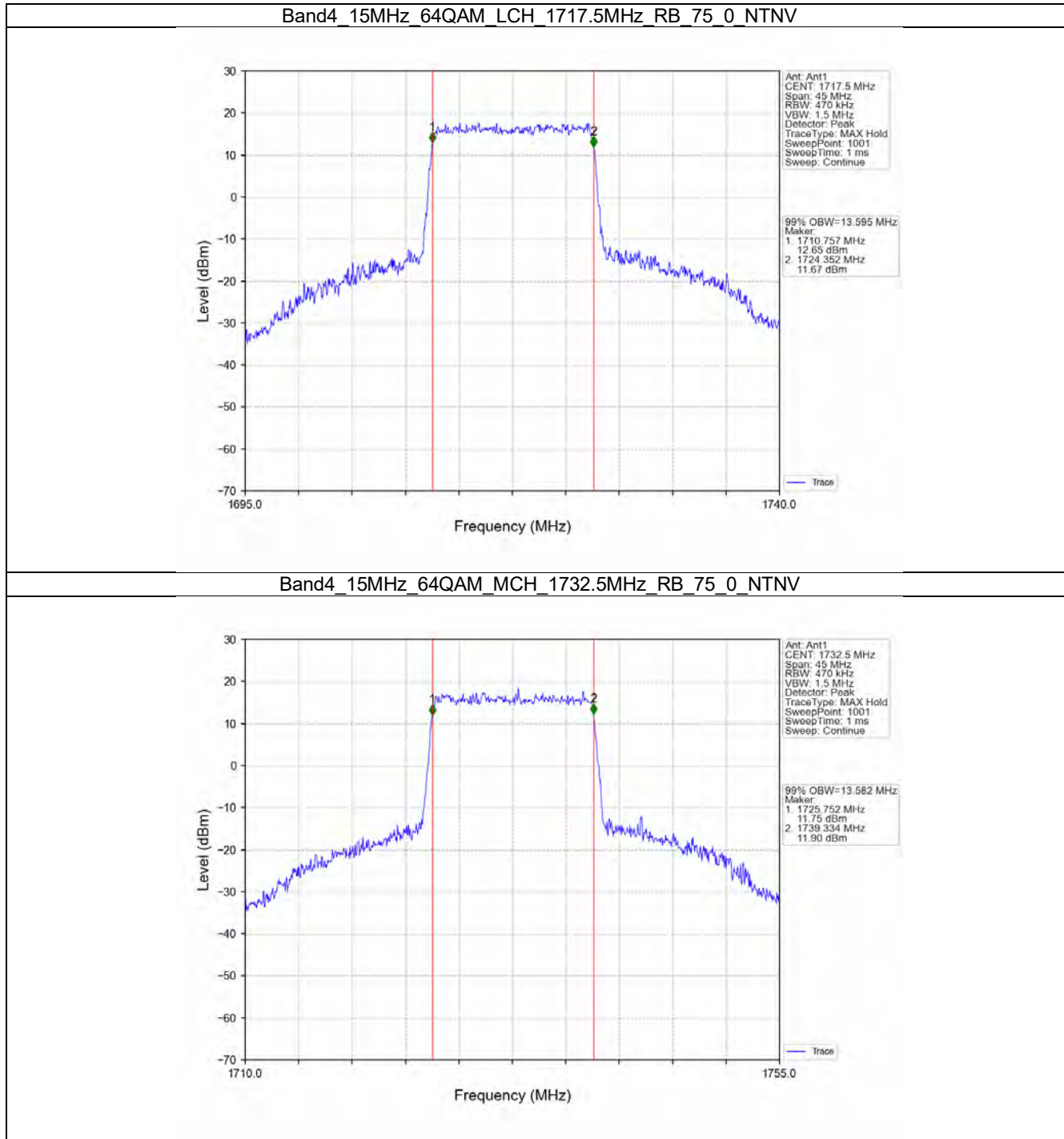


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Report No.: SZCR240200059401

Rev.: 01

Page: 59 of 238



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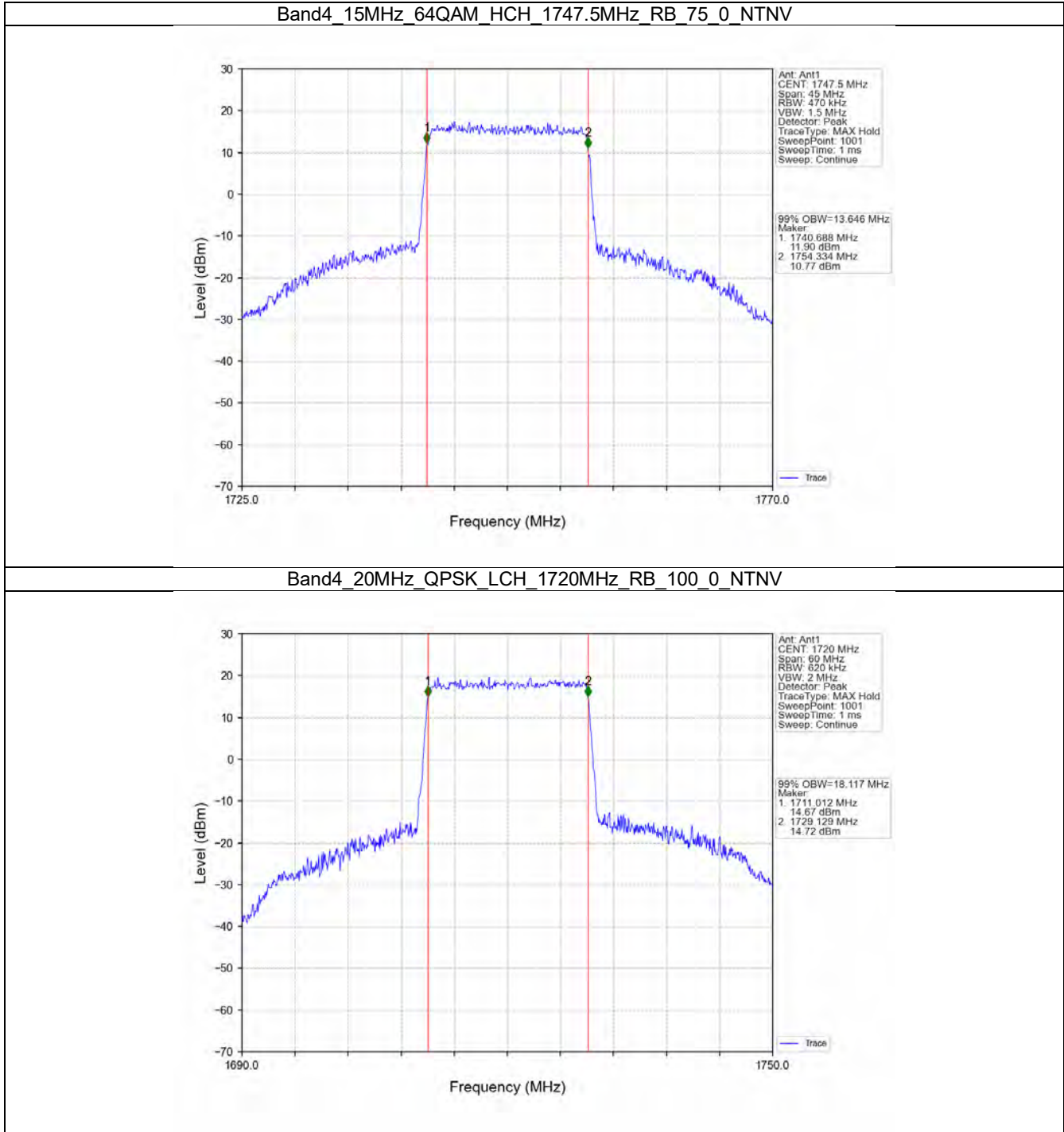
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 60 of 238



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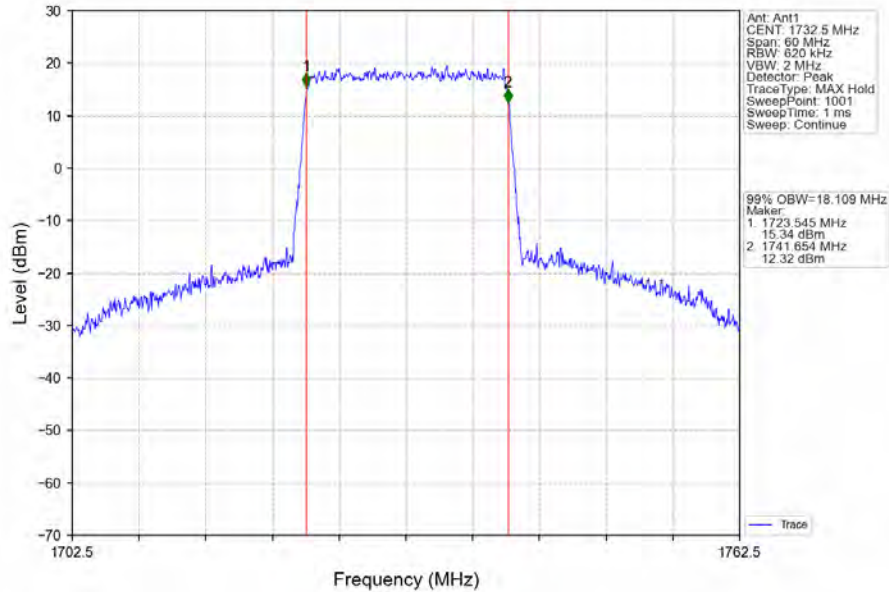
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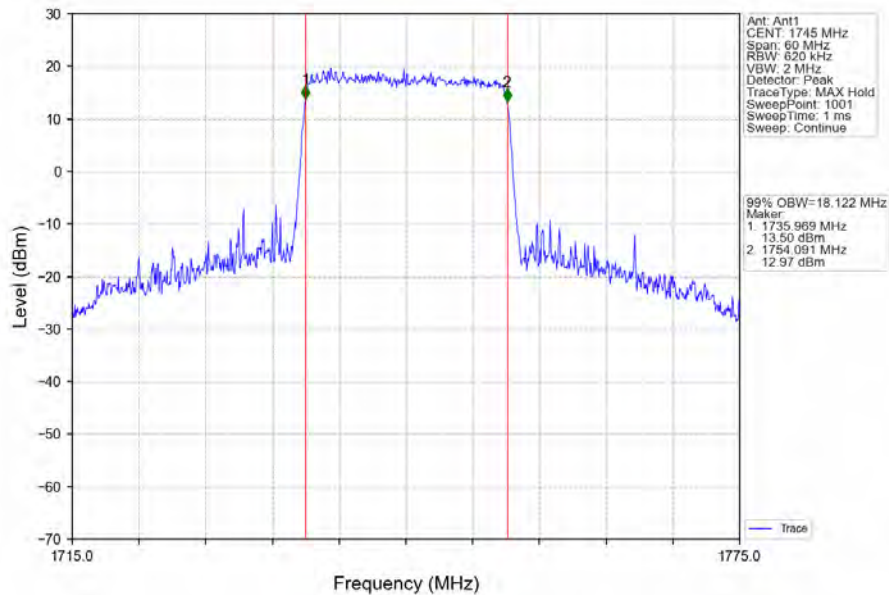
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 61 of 238

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



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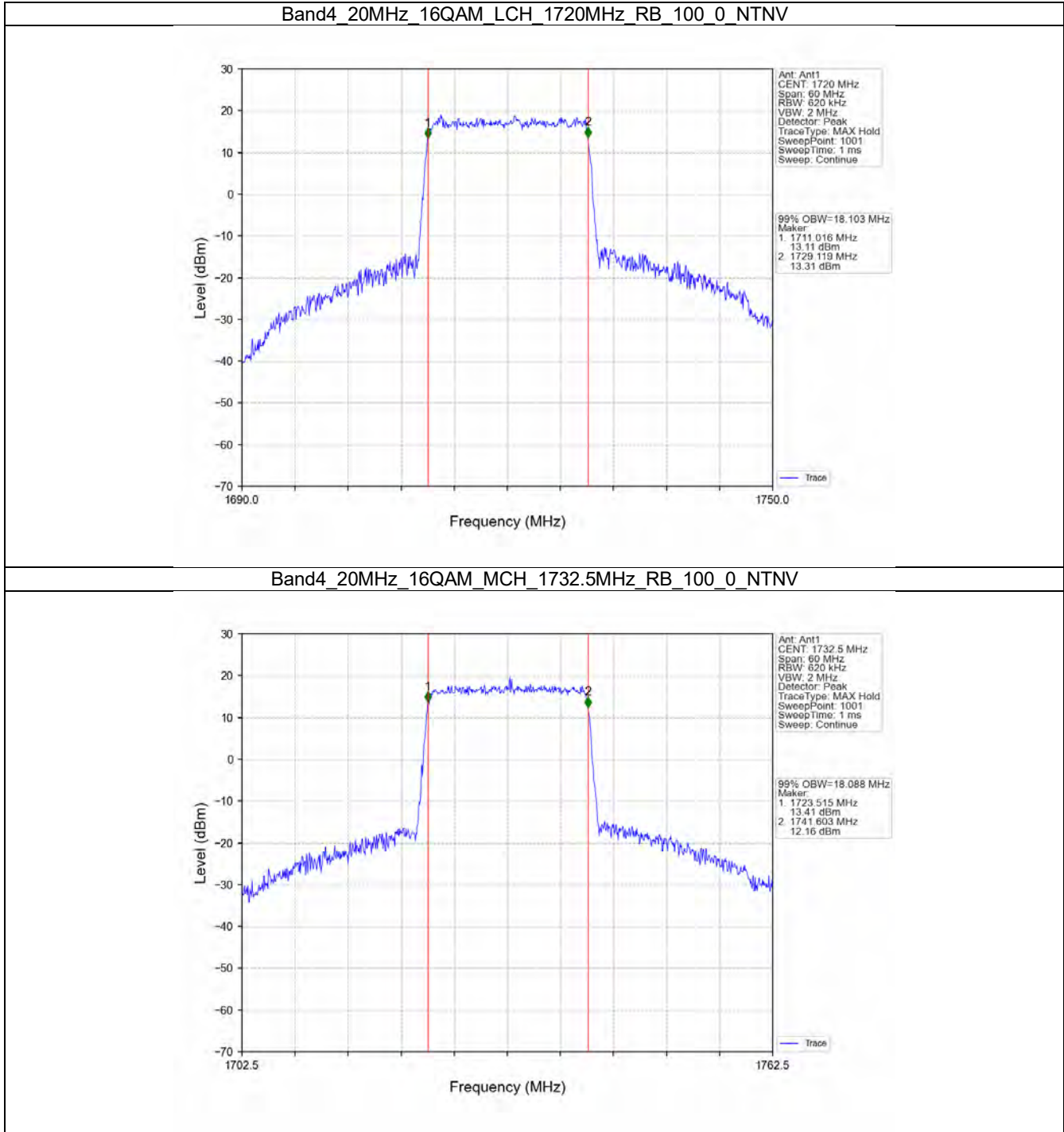
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 62 of 238



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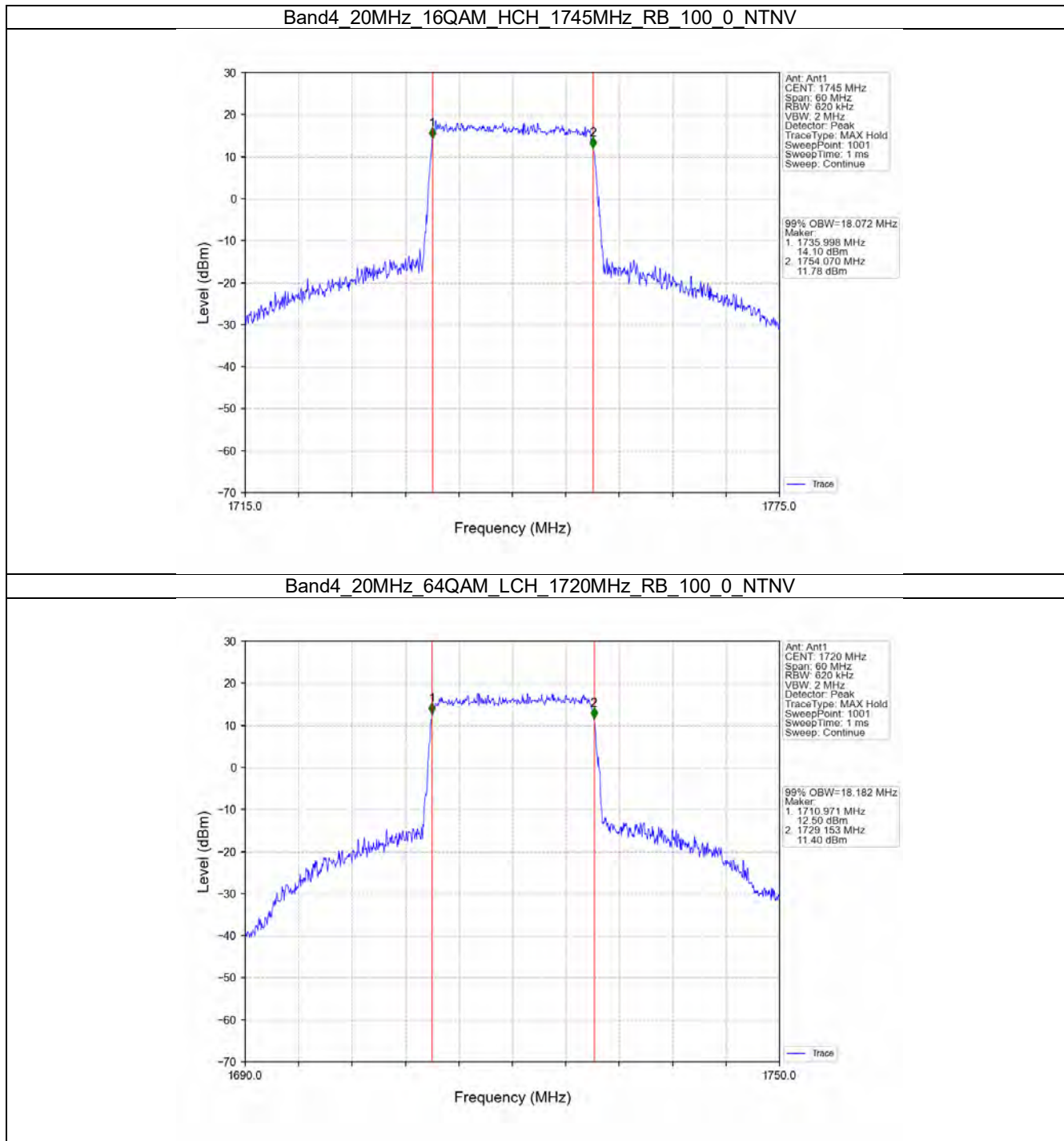


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Rev.: 01

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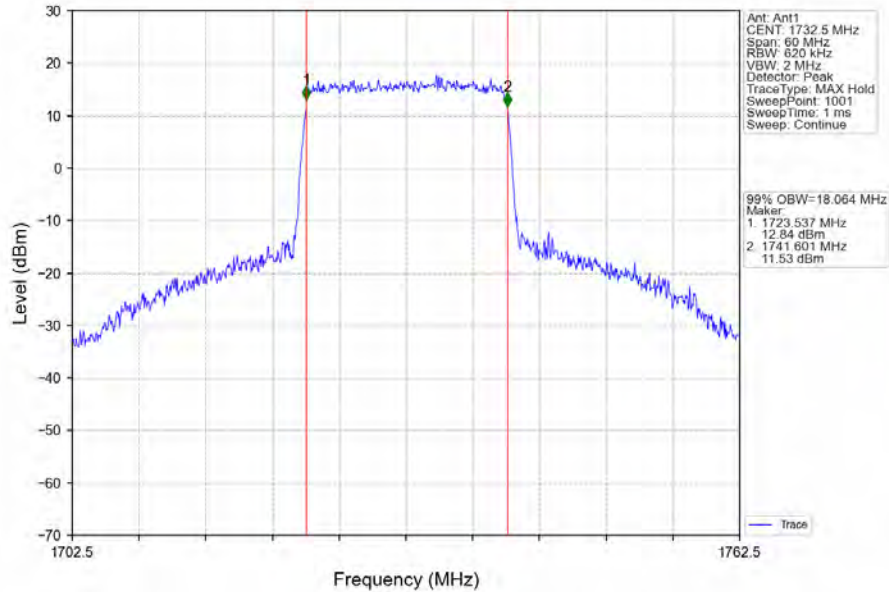
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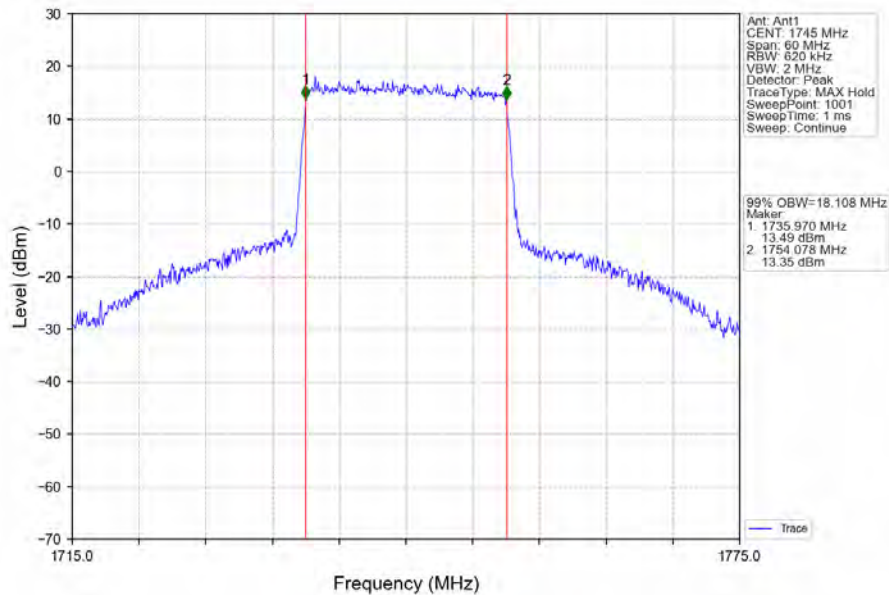
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 64 of 238

Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



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Report No.: SZCR240200059401

Rev.: 01

Page: 65 of 238

4.2 Band4_XDB

4.2.1 Test Result

Band: 4 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.326	/	Pass
		1732.5	6	0	1.306	/	Pass
		1754.3	6	0	1.329	/	Pass
	16QAM	1710.7	6	0	1.308	/	Pass
		1732.5	6	0	1.313	/	Pass
		1754.3	6	0	1.314	/	Pass
	64QAM	1710.7	6	0	1.328	/	Pass
		1732.5	6	0	1.310	/	Pass
		1754.3	6	0	1.337	/	Pass
3	QPSK	1711.5	15	0	3.002	/	Pass
		1732.5	15	0	2.982	/	Pass
		1753.5	15	0	2.991	/	Pass
	16QAM	1711.5	15	0	3.003	/	Pass
		1732.5	15	0	2.983	/	Pass
		1753.5	15	0	3.009	/	Pass
	64QAM	1711.5	15	0	3.004	/	Pass
		1732.5	15	0	2.982	/	Pass
		1753.5	15	0	2.999	/	Pass
5	QPSK	1712.5	25	0	5.016	/	Pass
		1732.5	25	0	5.003	/	Pass
		1752.5	25	0	5.004	/	Pass
	16QAM	1712.5	25	0	5.007	/	Pass
		1732.5	25	0	5.021	/	Pass
		1752.5	25	0	5.044	/	Pass
	64QAM	1712.5	25	0	5.003	/	Pass
		1732.5	25	0	5.006	/	Pass
		1752.5	25	0	4.990	/	Pass
10	QPSK	1715	50	0	9.943	/	Pass
		1732.5	50	0	9.990	/	Pass
		1750	50	0	9.928	/	Pass
	16QAM	1715	50	0	10.158	/	Pass
		1732.5	50	0	9.963	/	Pass
		1750	50	0	9.935	/	Pass
	64QAM	1715	50	0	9.926	/	Pass
		1732.5	50	0	10.015	/	Pass
		1750	50	0	9.880	/	Pass
15	QPSK	1717.5	75	0	14.979	/	Pass
		1732.5	75	0	14.865	/	Pass
		1747.5	75	0	14.895	/	Pass



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Page: 66 of 238

	16QAM	1717.5	75	0	14.969	/	Pass
		1732.5	75	0	14.918	/	Pass
		1747.5	75	0	14.910	/	Pass
	64QAM	1717.5	75	0	14.981	/	Pass
		1732.5	75	0	14.817	/	Pass
		1747.5	75	0	14.887	/	Pass
20	QPSK	1720	100	0	19.706	/	Pass
		1732.5	100	0	19.791	/	Pass
		1745	100	0	19.643	/	Pass
	16QAM	1720	100	0	19.708	/	Pass
		1732.5	100	0	19.666	/	Pass
		1745	100	0	19.659	/	Pass
	64QAM	1720	100	0	19.793	/	Pass
		1732.5	100	0	19.549	/	Pass
		1745	100	0	19.739	/	Pass



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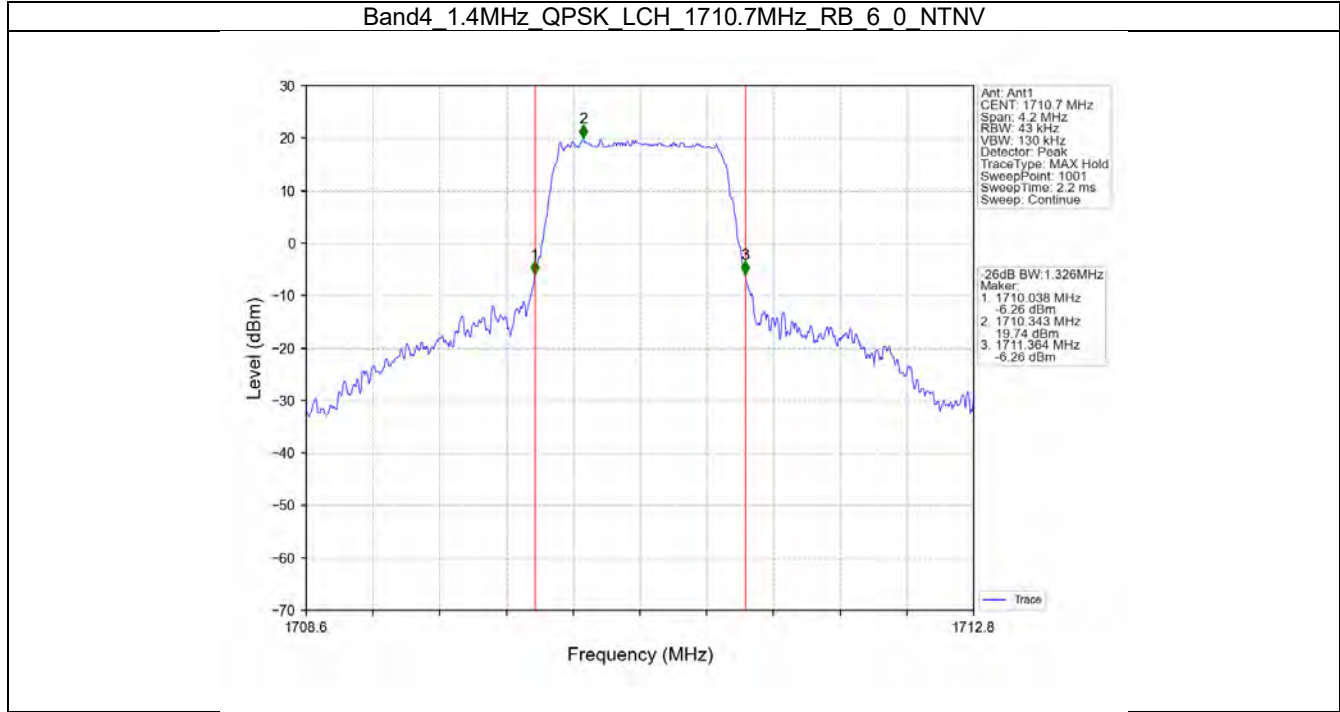
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4.2.2 Test Graph



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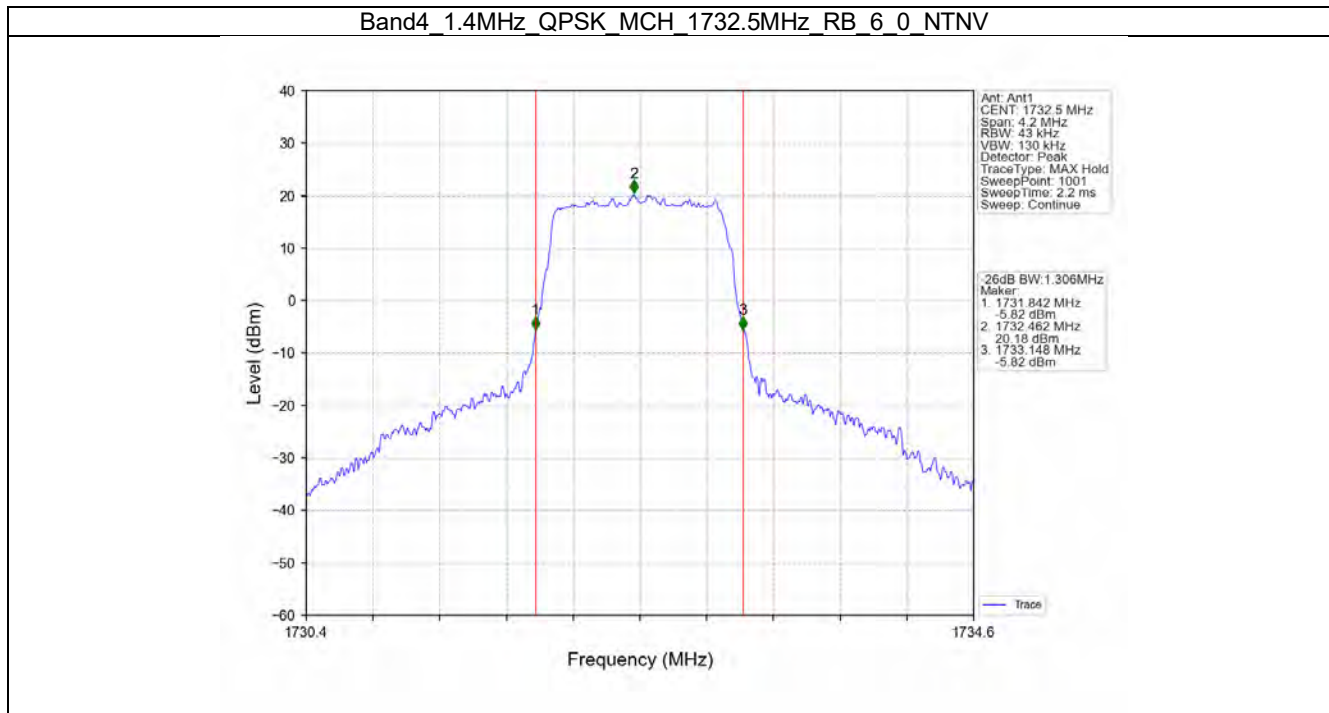


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Rev.: 01

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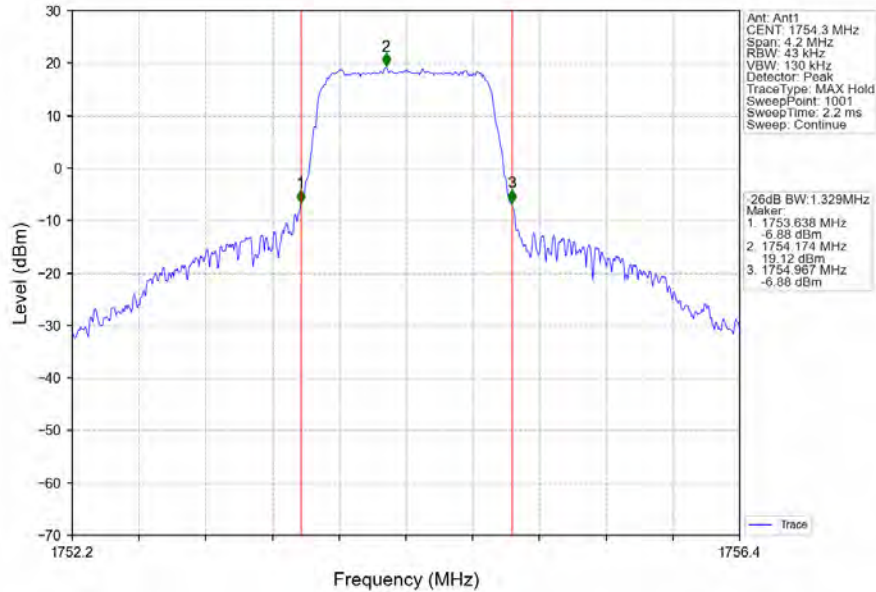
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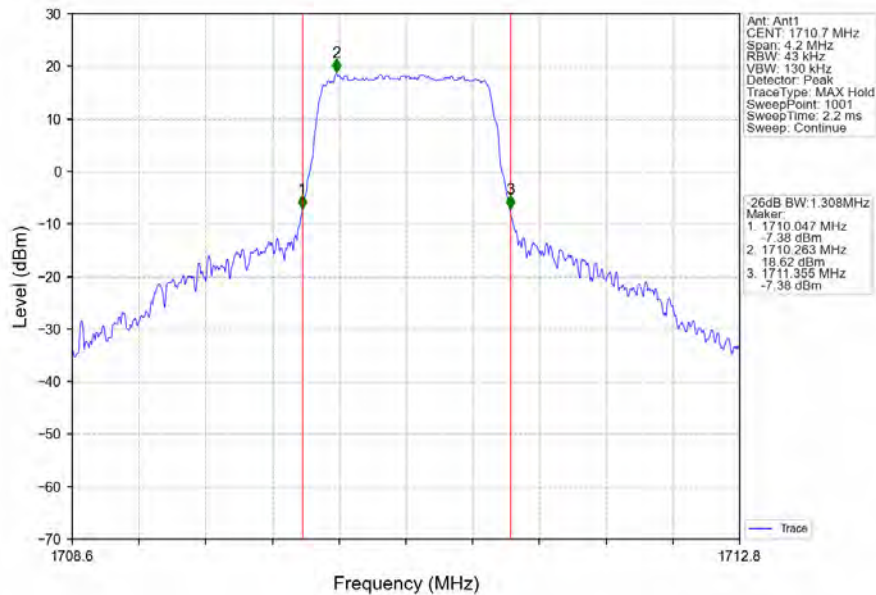
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 69 of 238

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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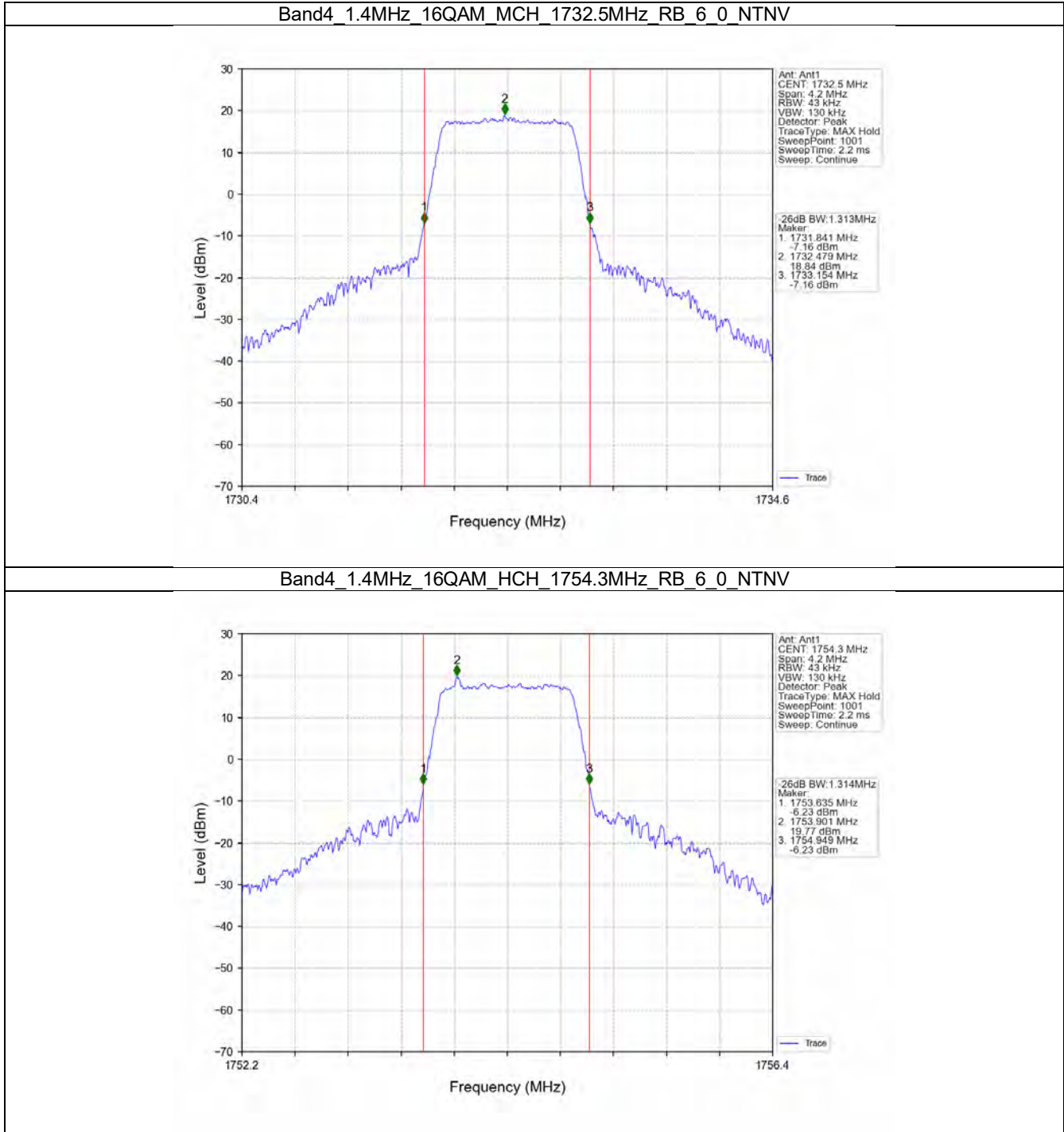
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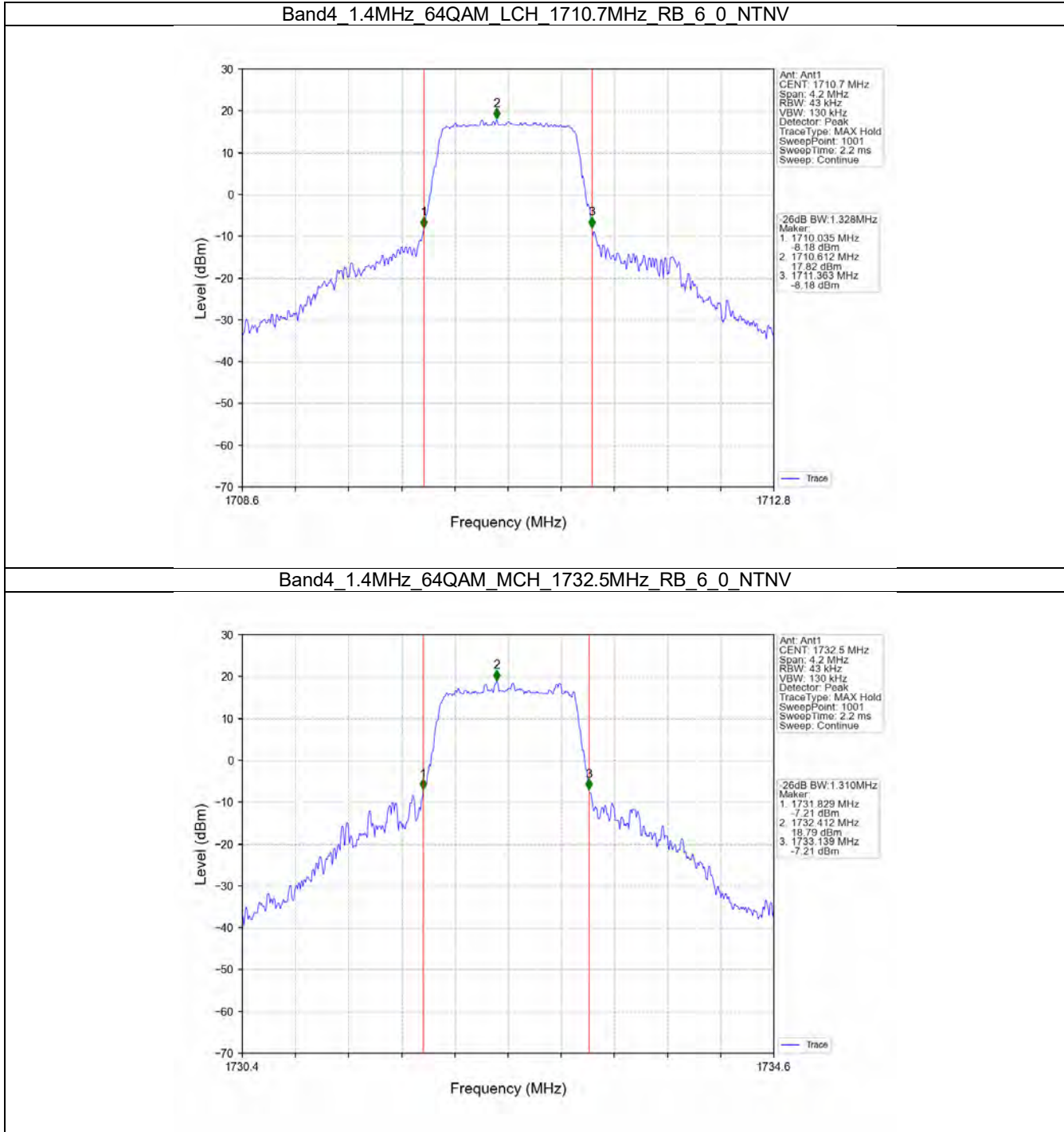
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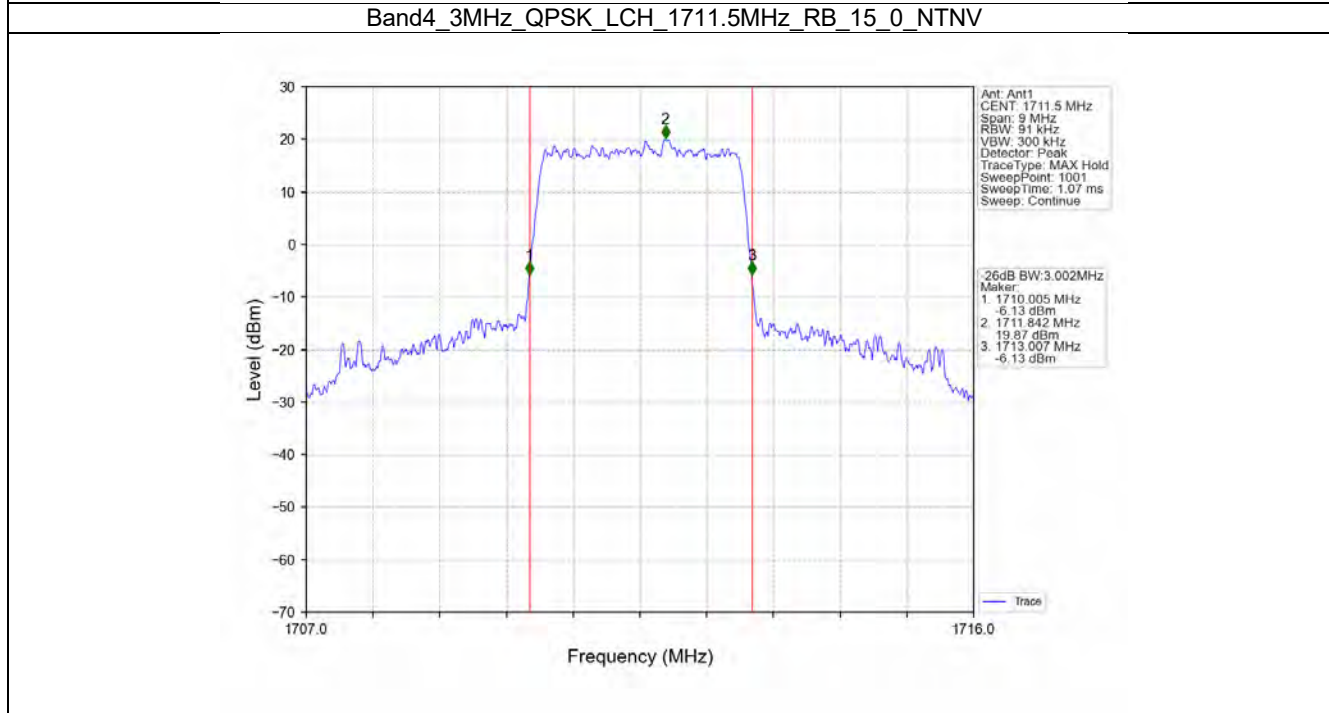
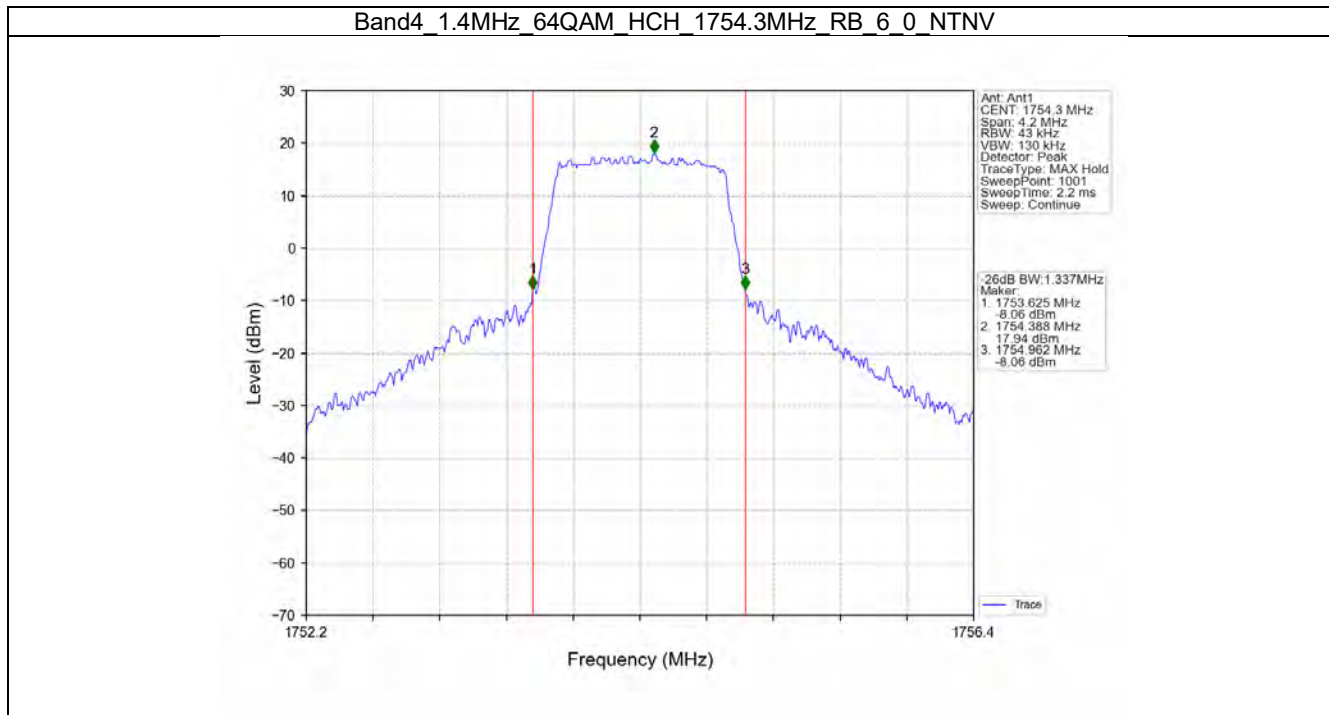


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Report No.: SZCR240200059401

Rev.: 01

Page: 72 of 238



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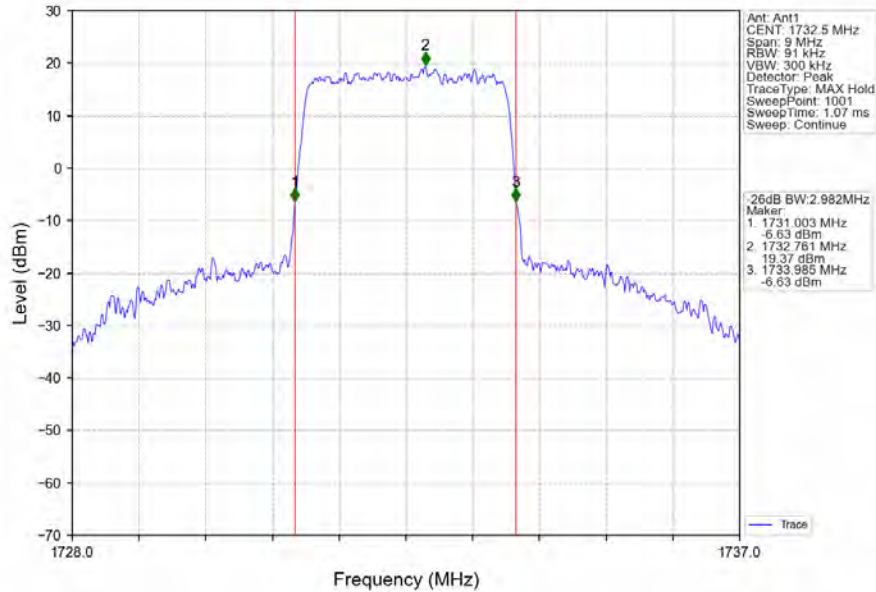
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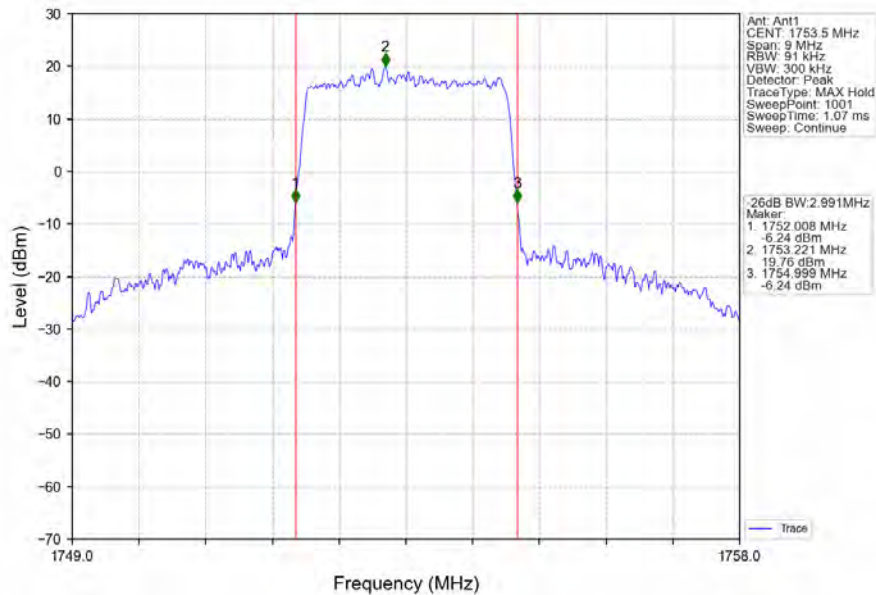
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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 73 of 238

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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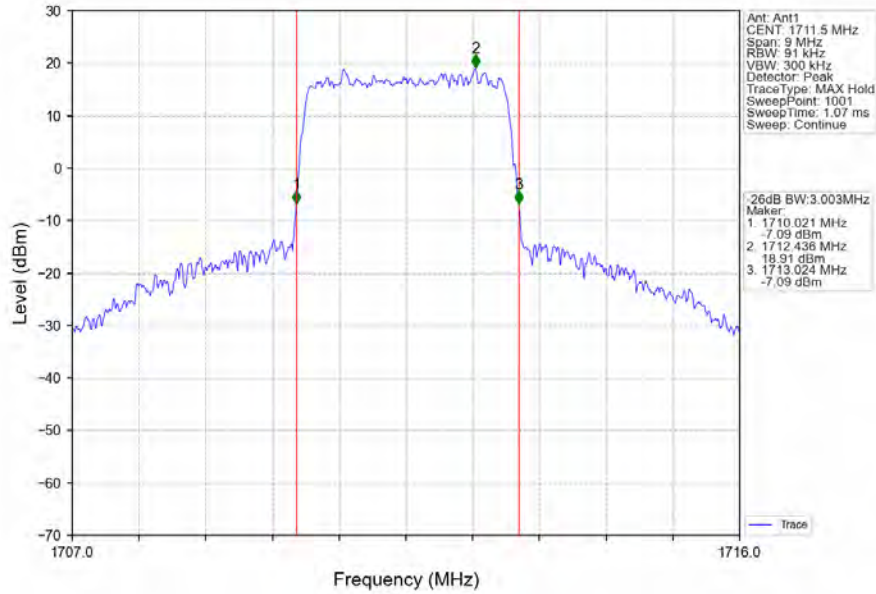
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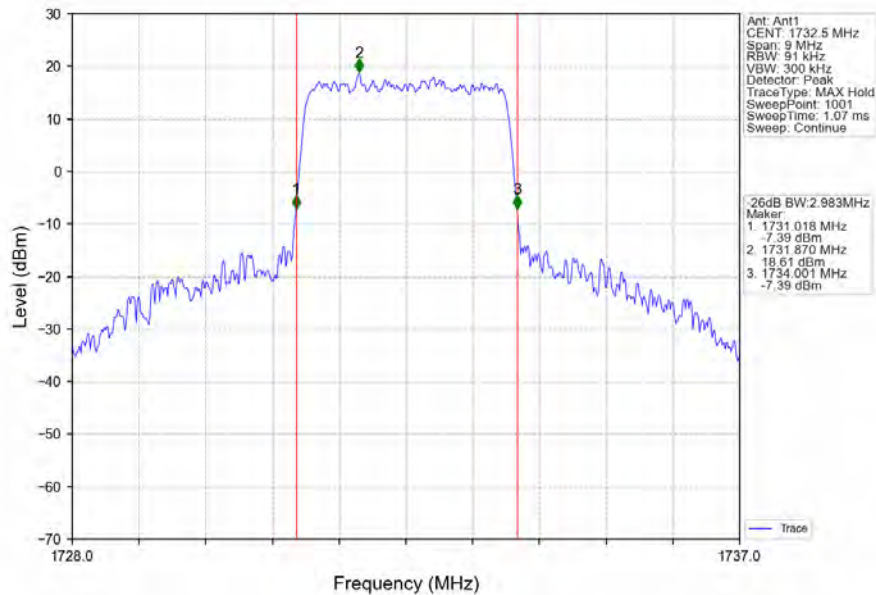
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 74 of 238

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



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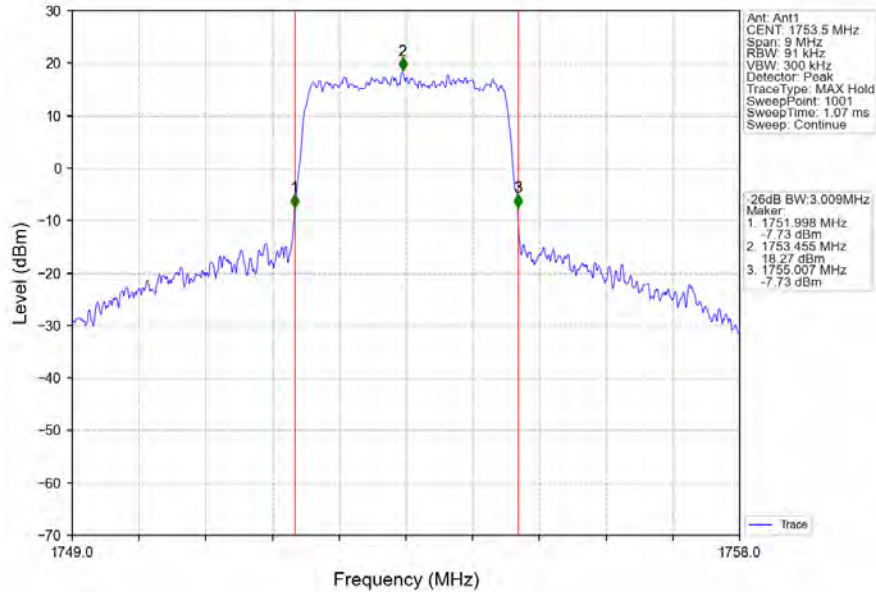
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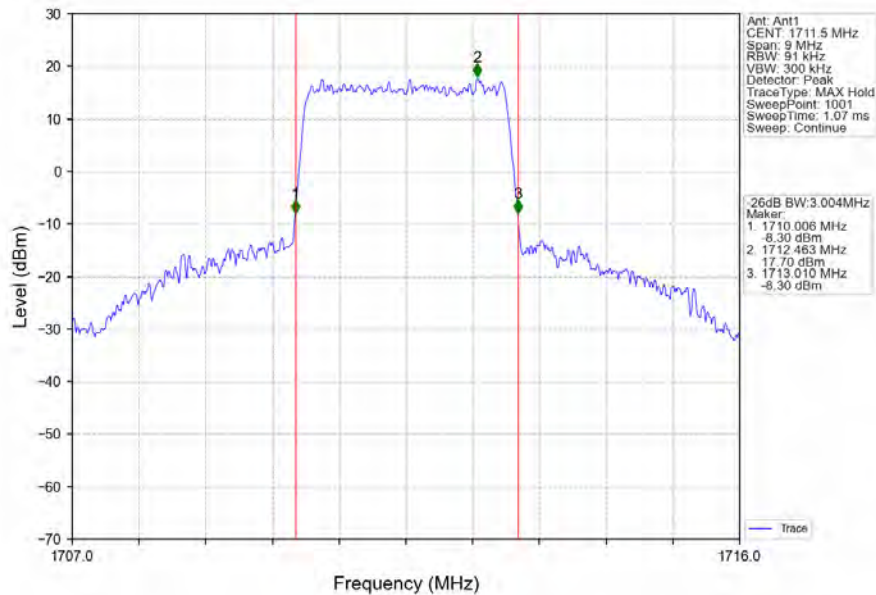
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 75 of 238

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



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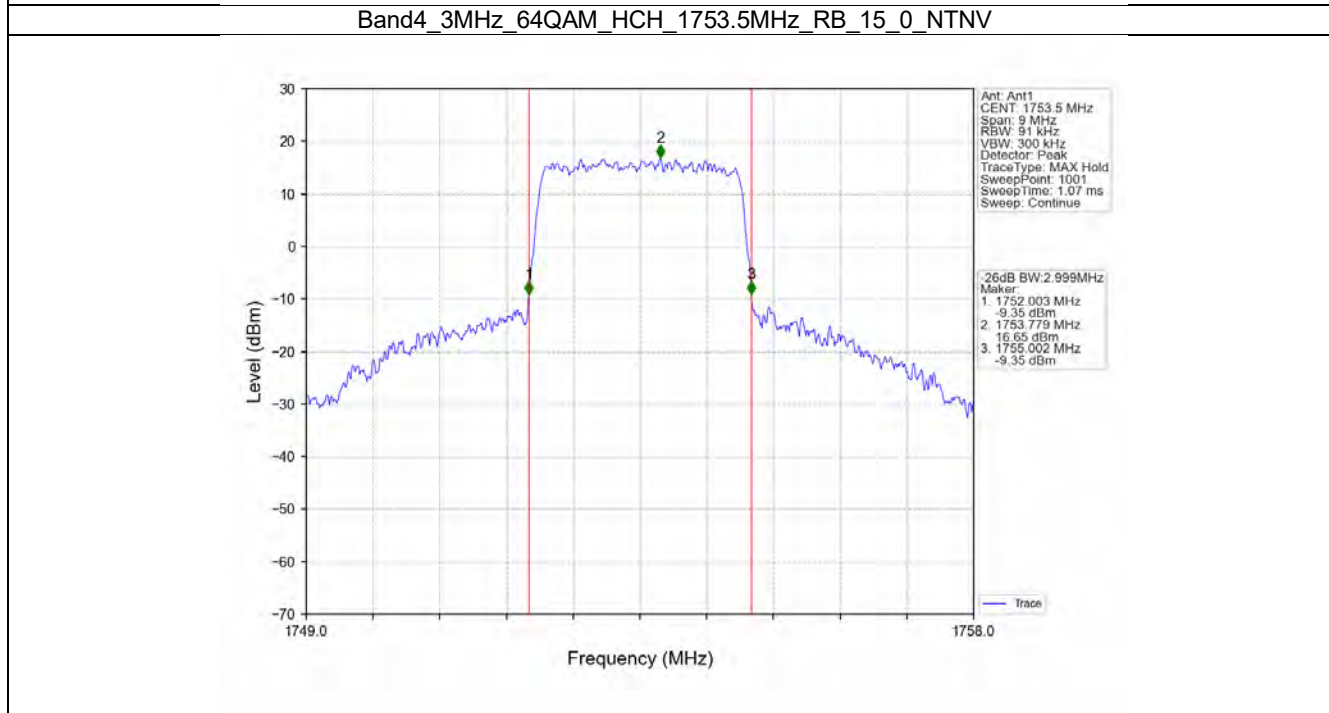
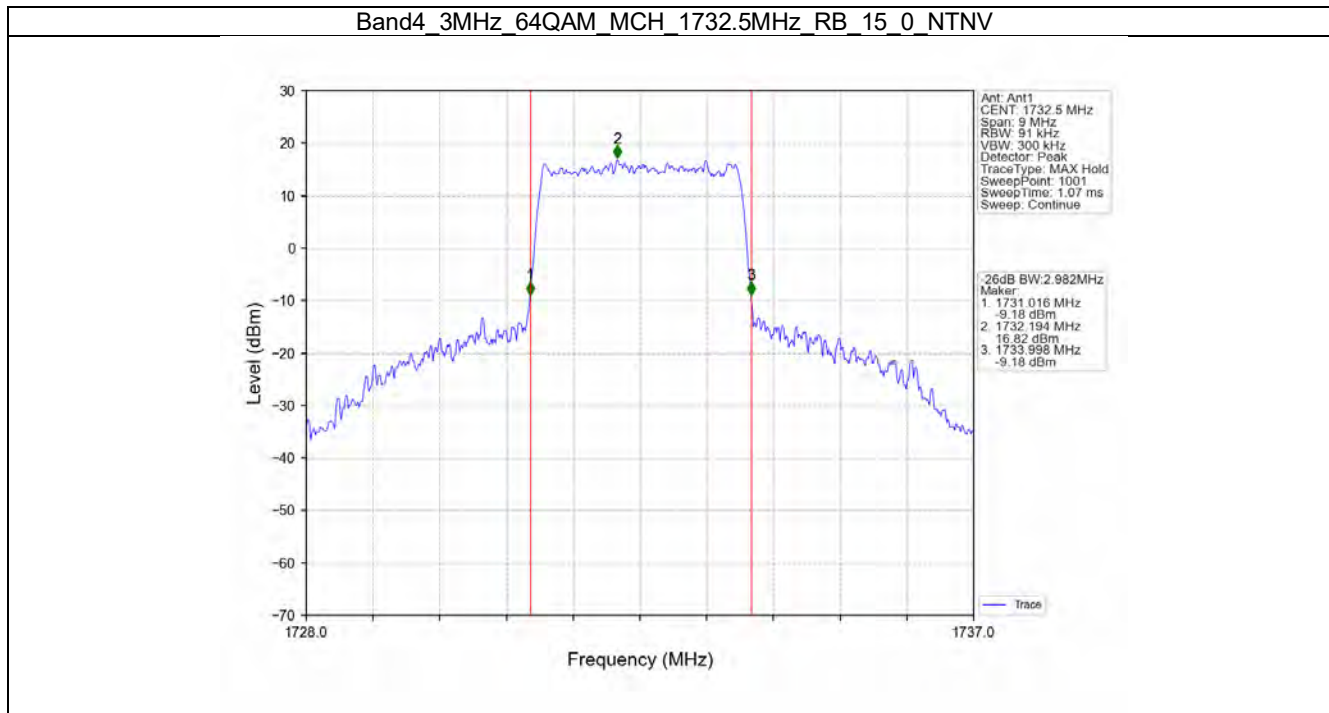


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Report No.: SZCR240200059401

Rev.: 01

Page: 76 of 238



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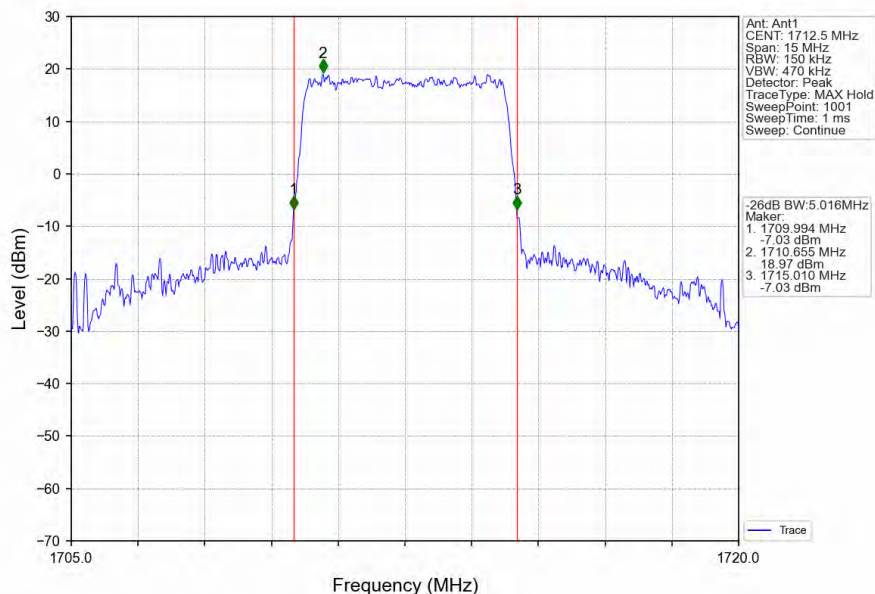
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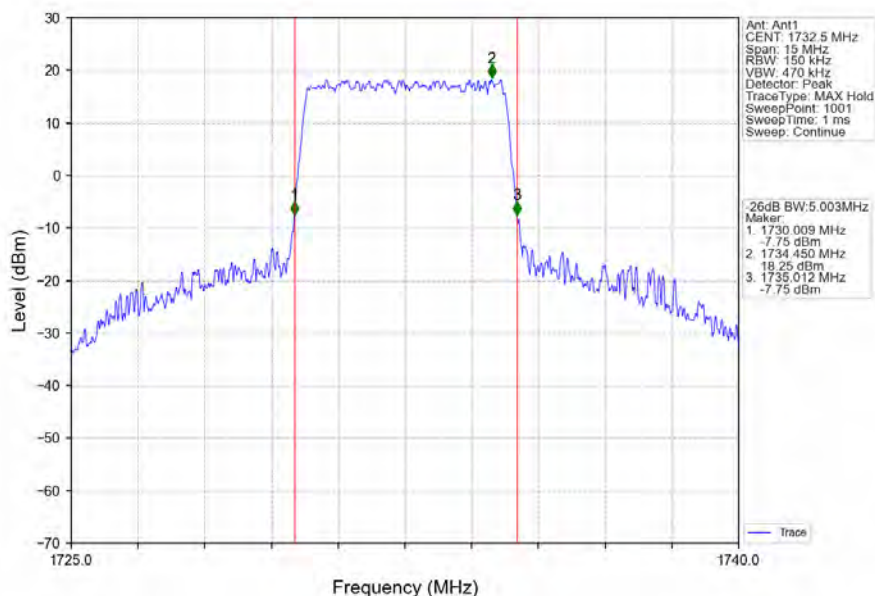
Rev.: 01

Page: 77 of 238

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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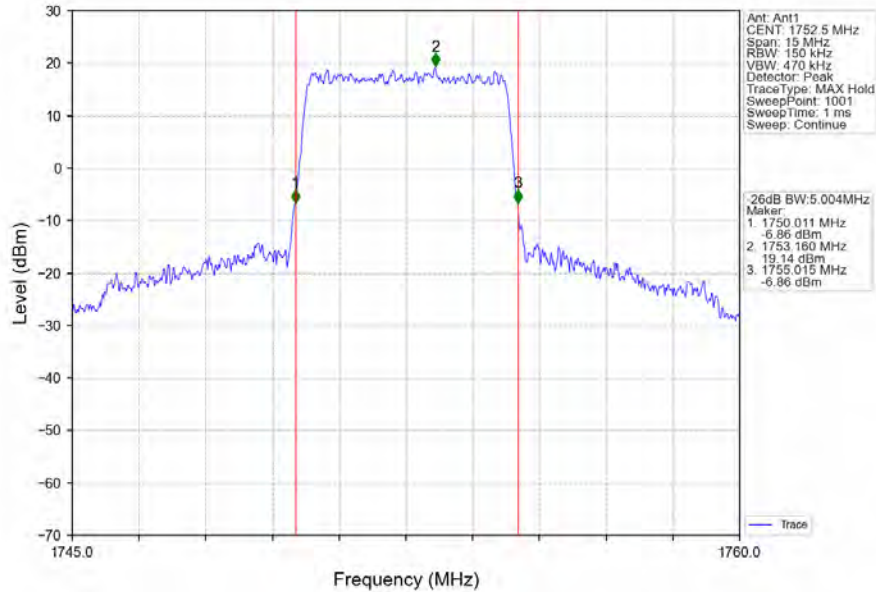
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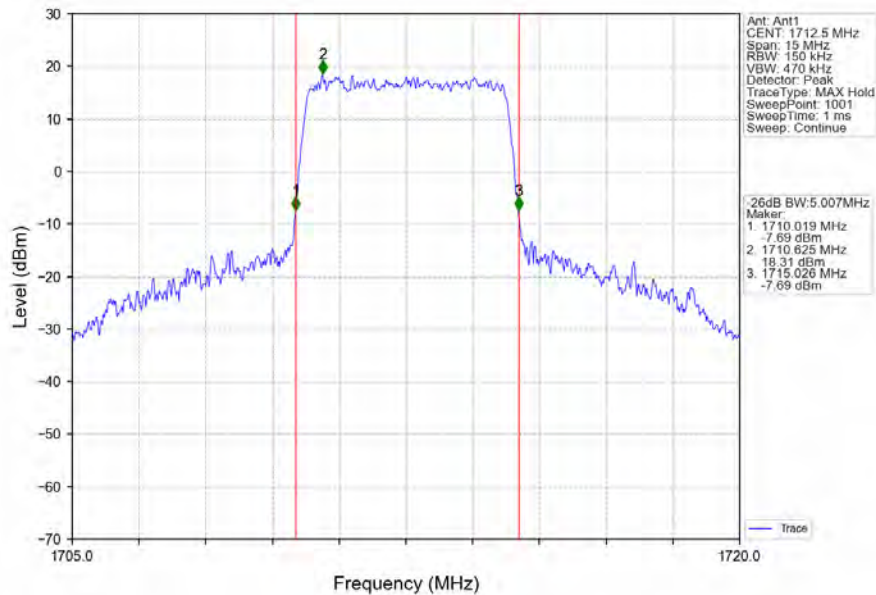
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 78 of 238

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



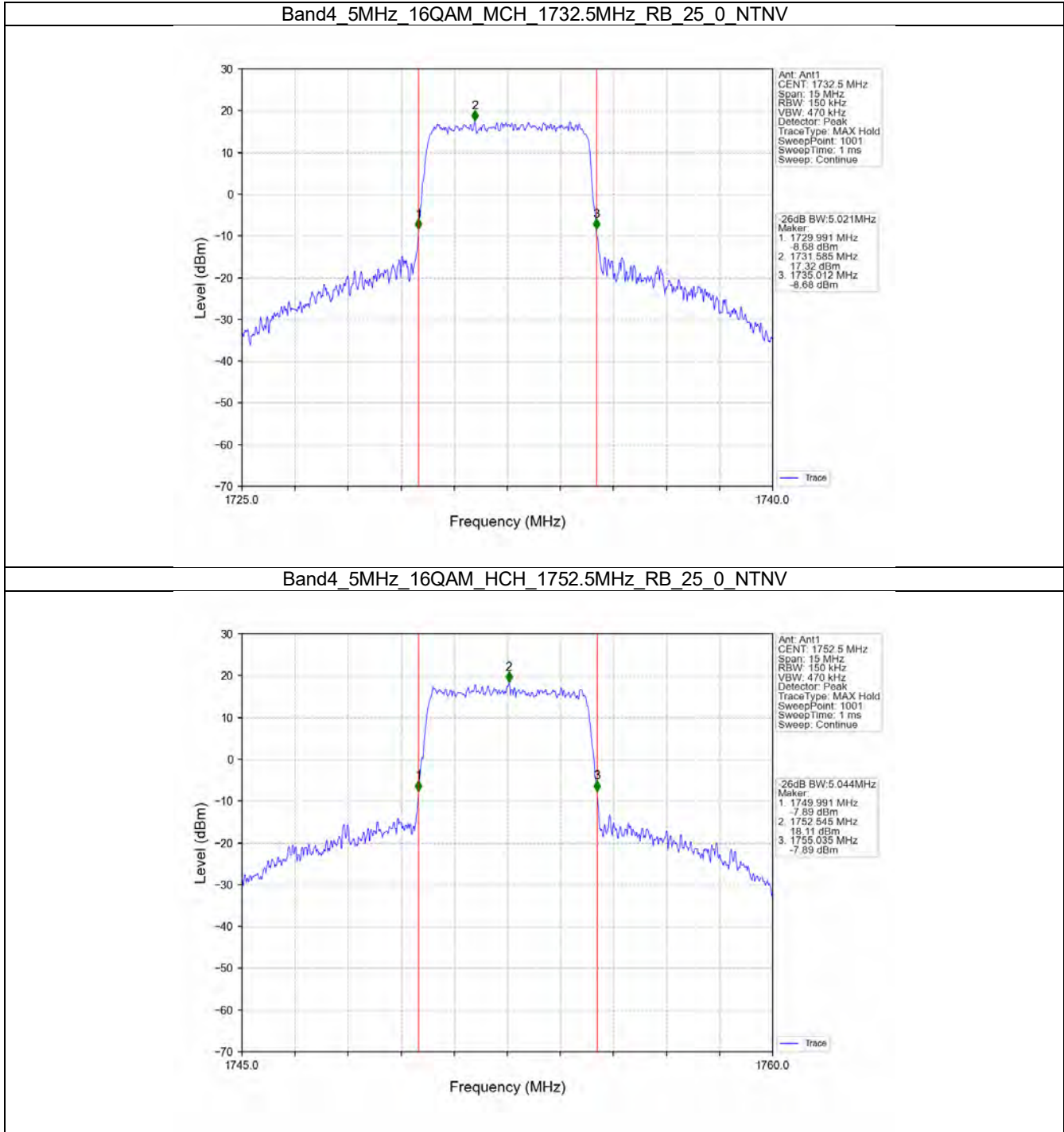
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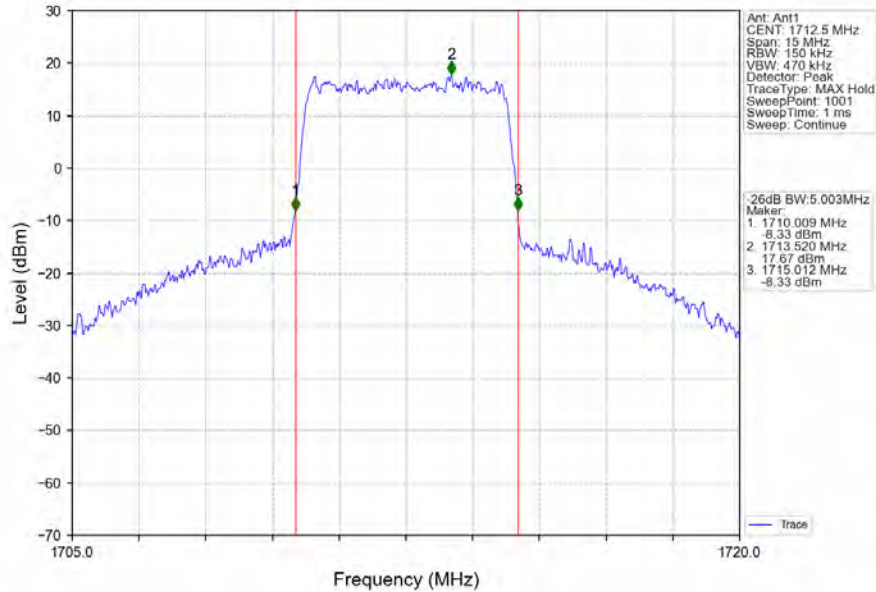
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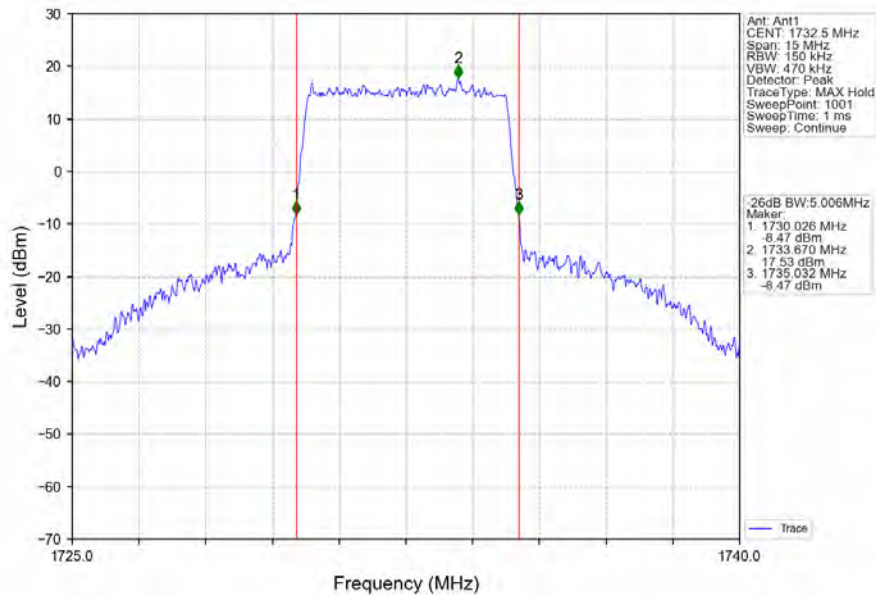
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 80 of 238

Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



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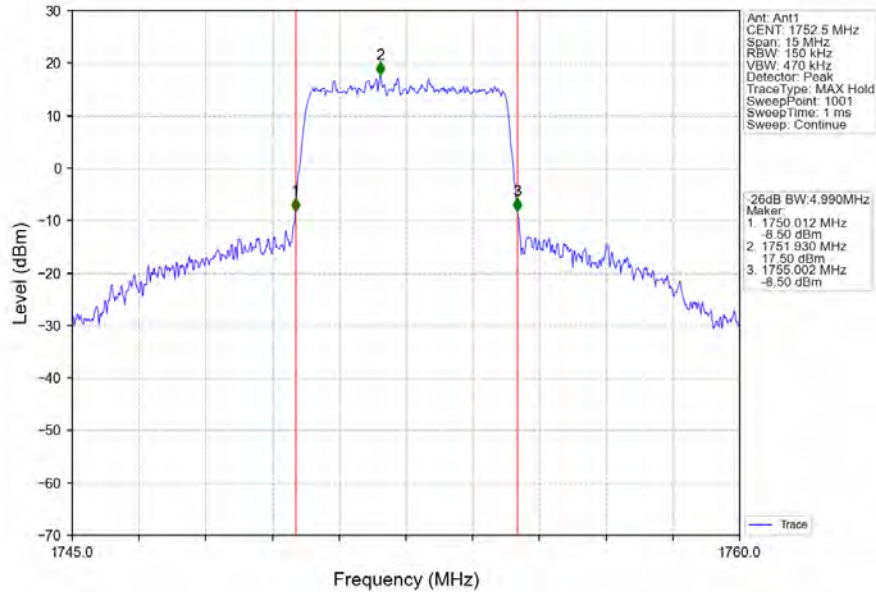
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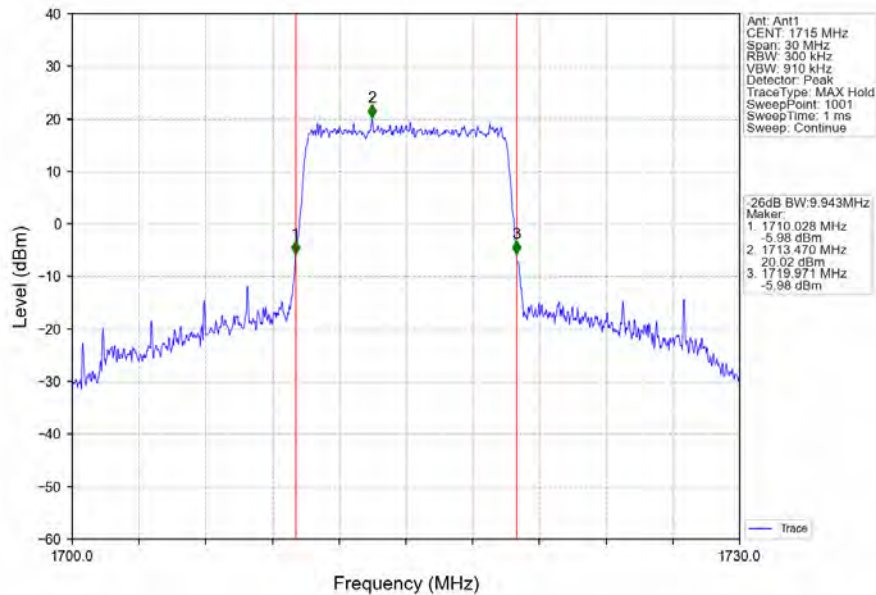
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 81 of 238

Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



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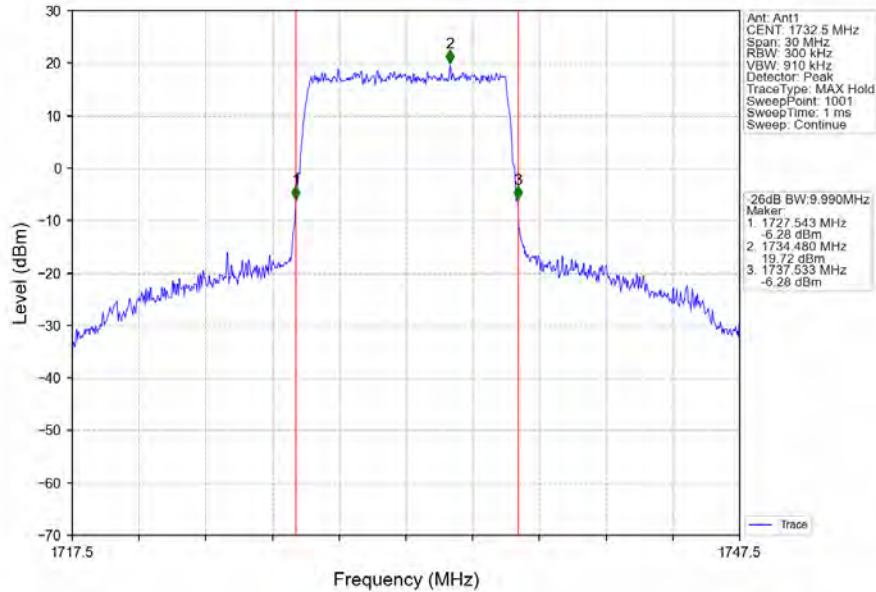
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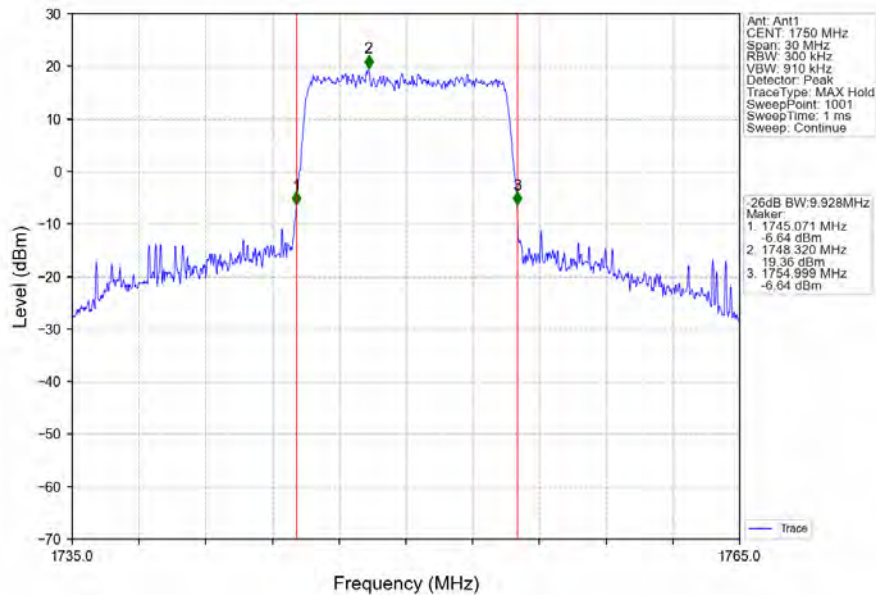
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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 82 of 238

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



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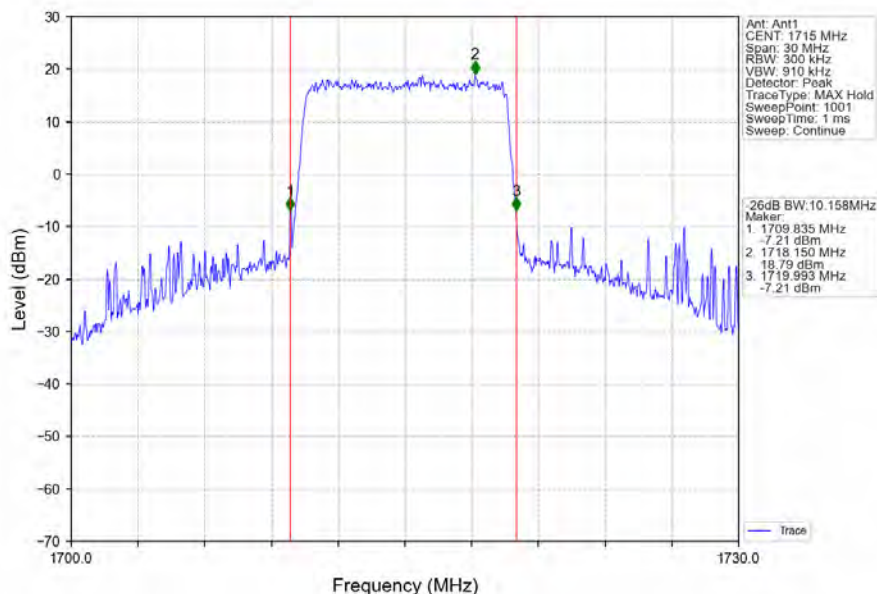
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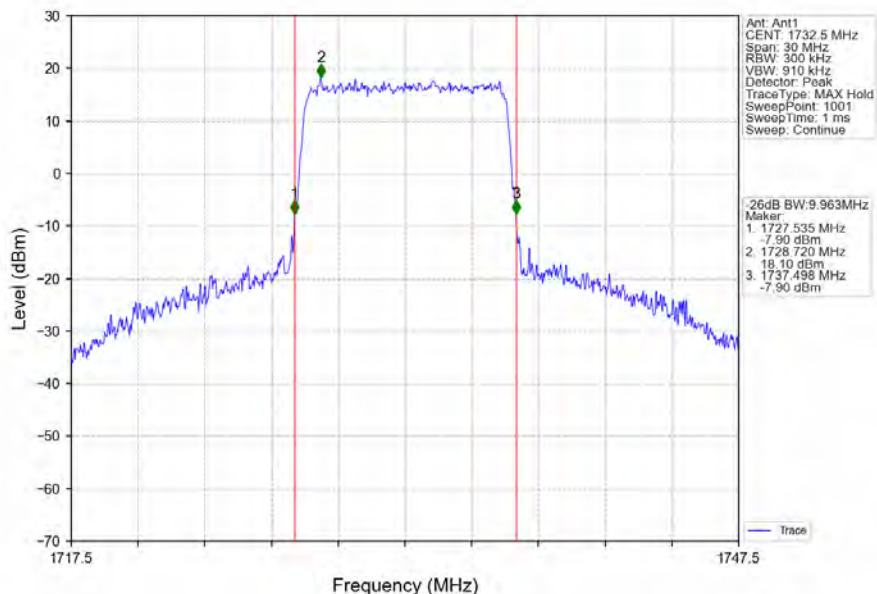
Rev.: 01

Page: 83 of 238

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Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



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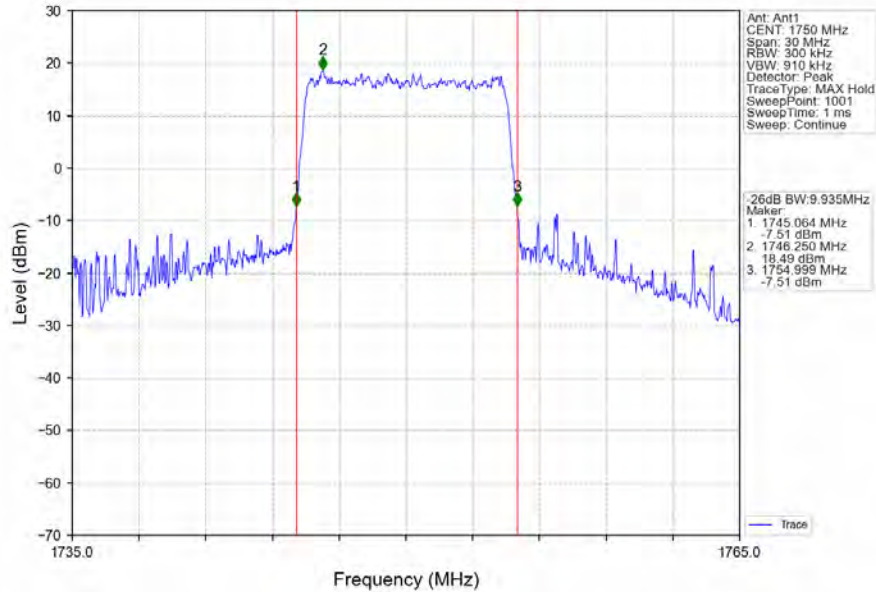
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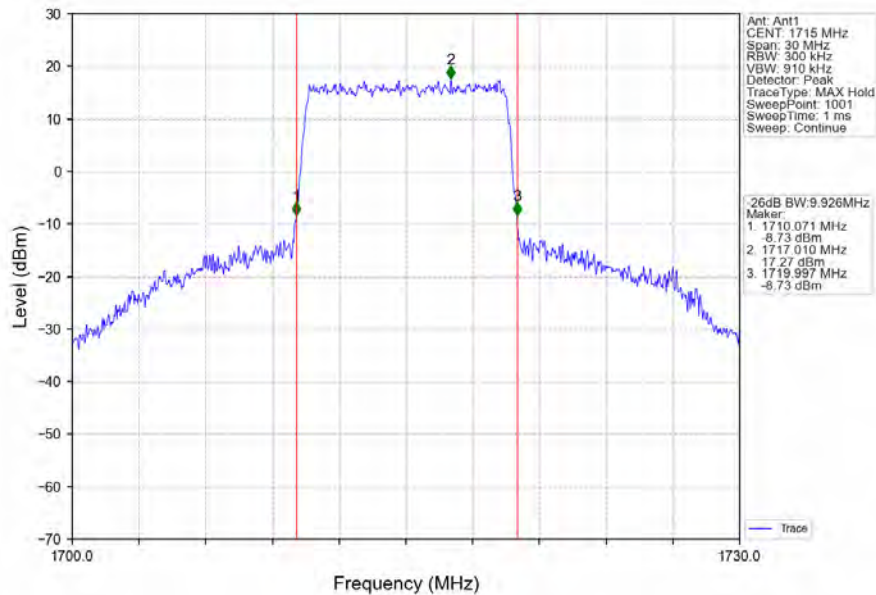
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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 84 of 238

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



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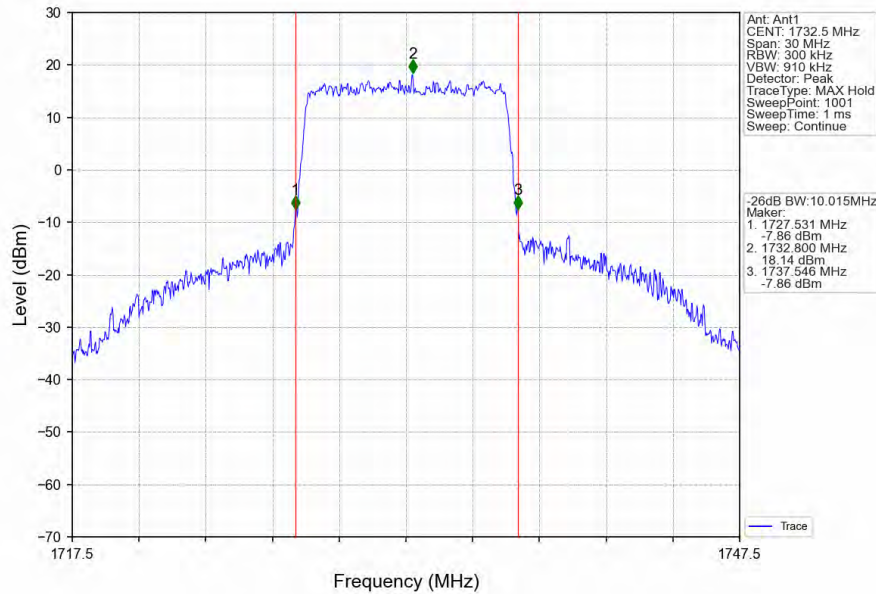
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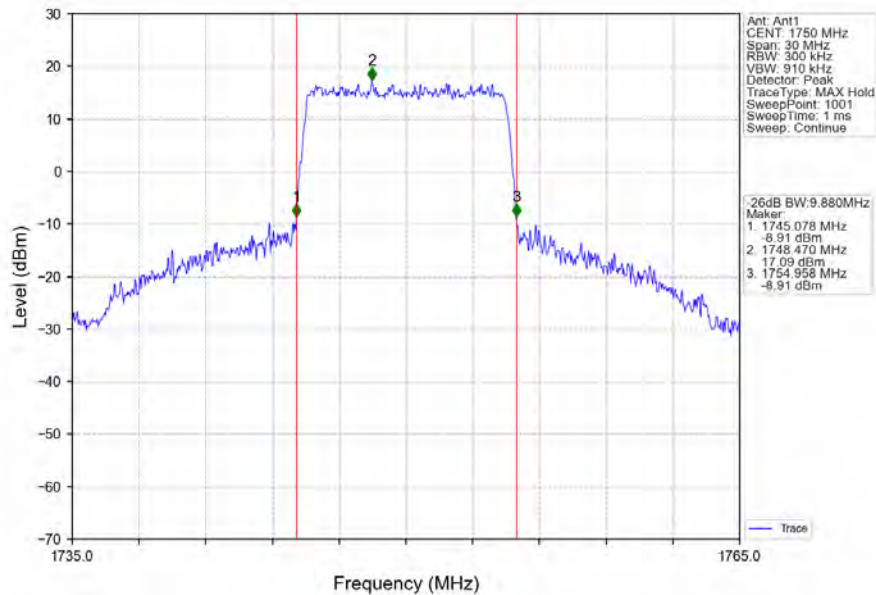
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 85 of 238

Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



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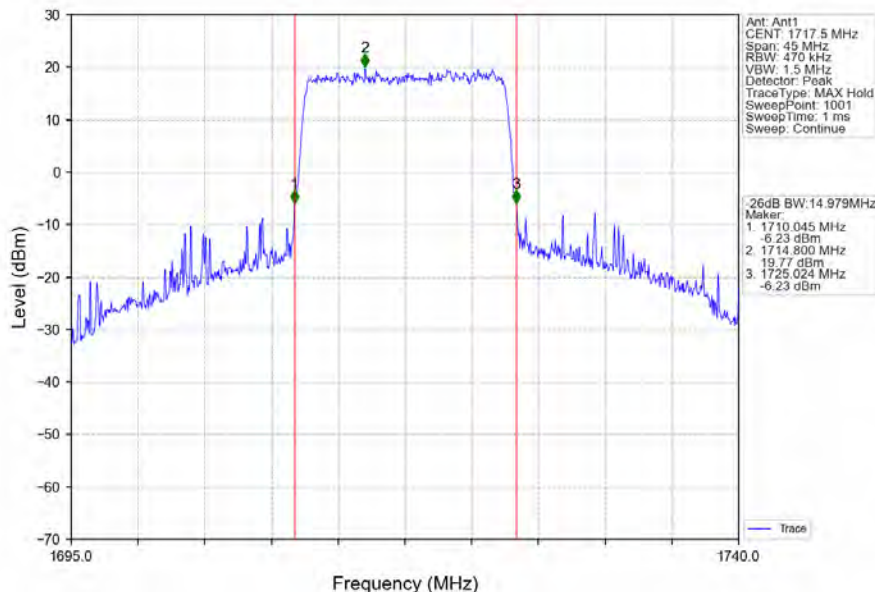
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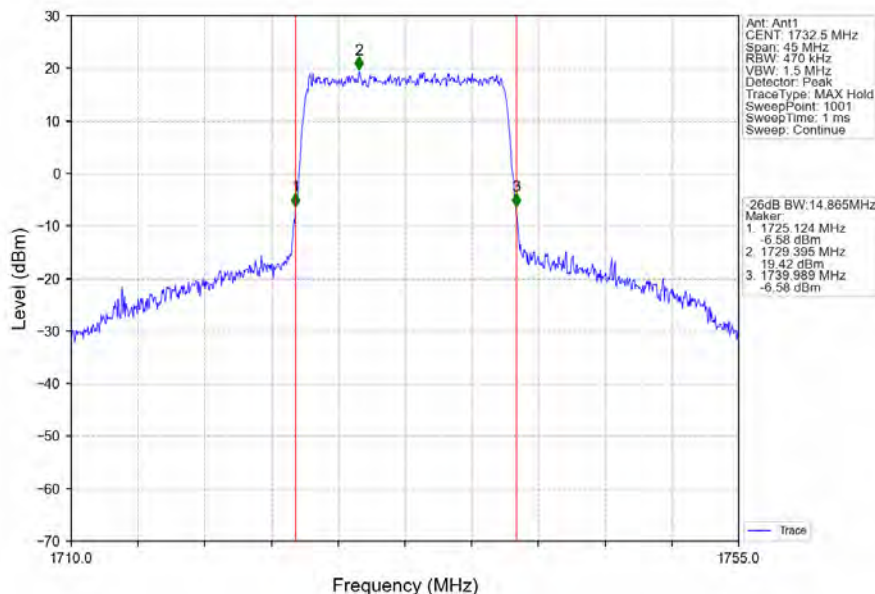
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 86 of 238

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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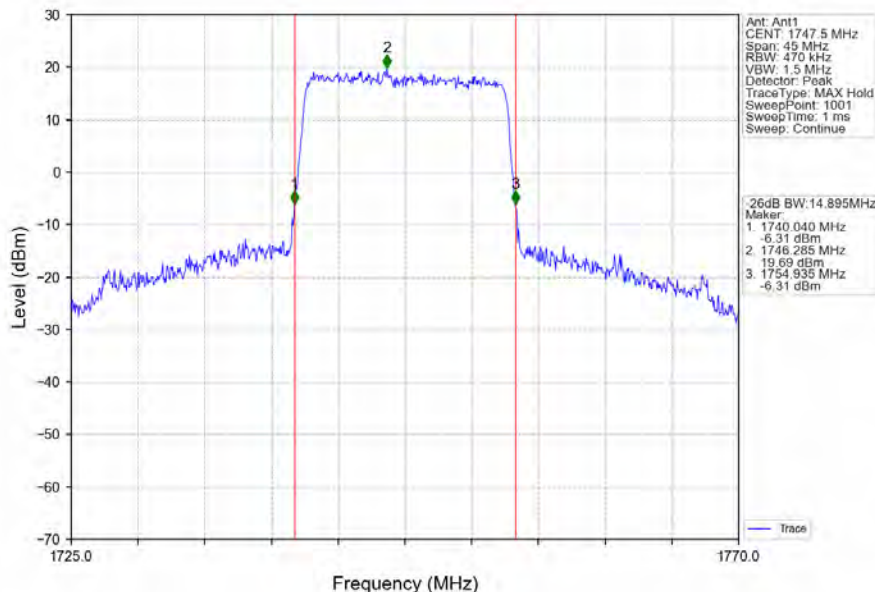
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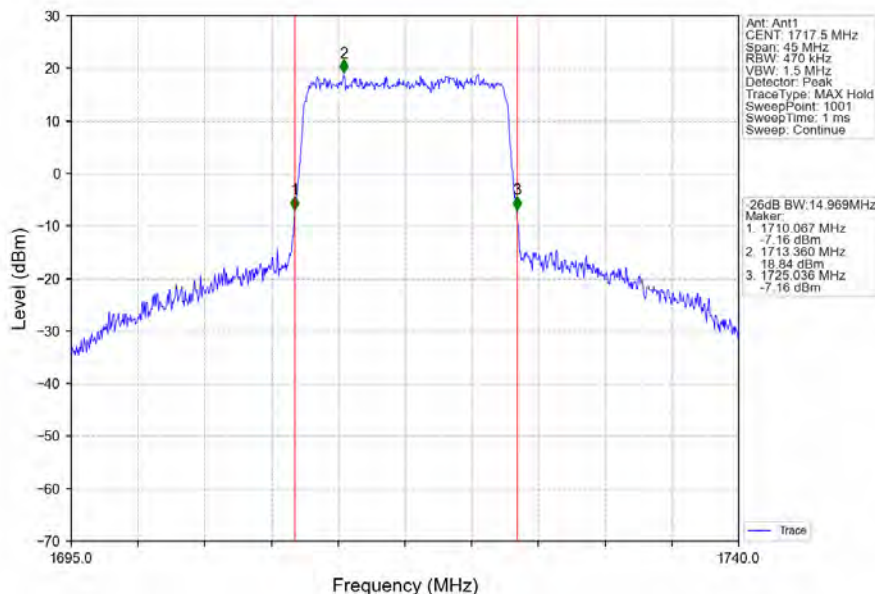
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 87 of 238

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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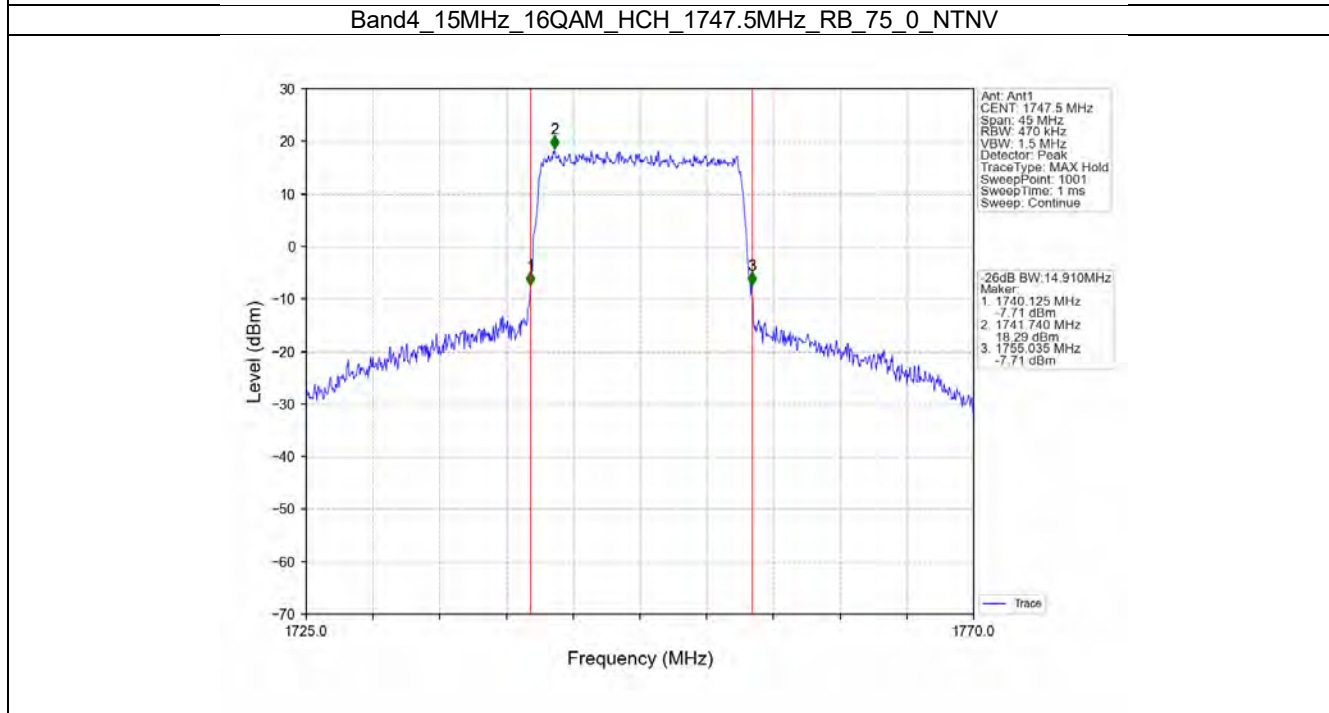
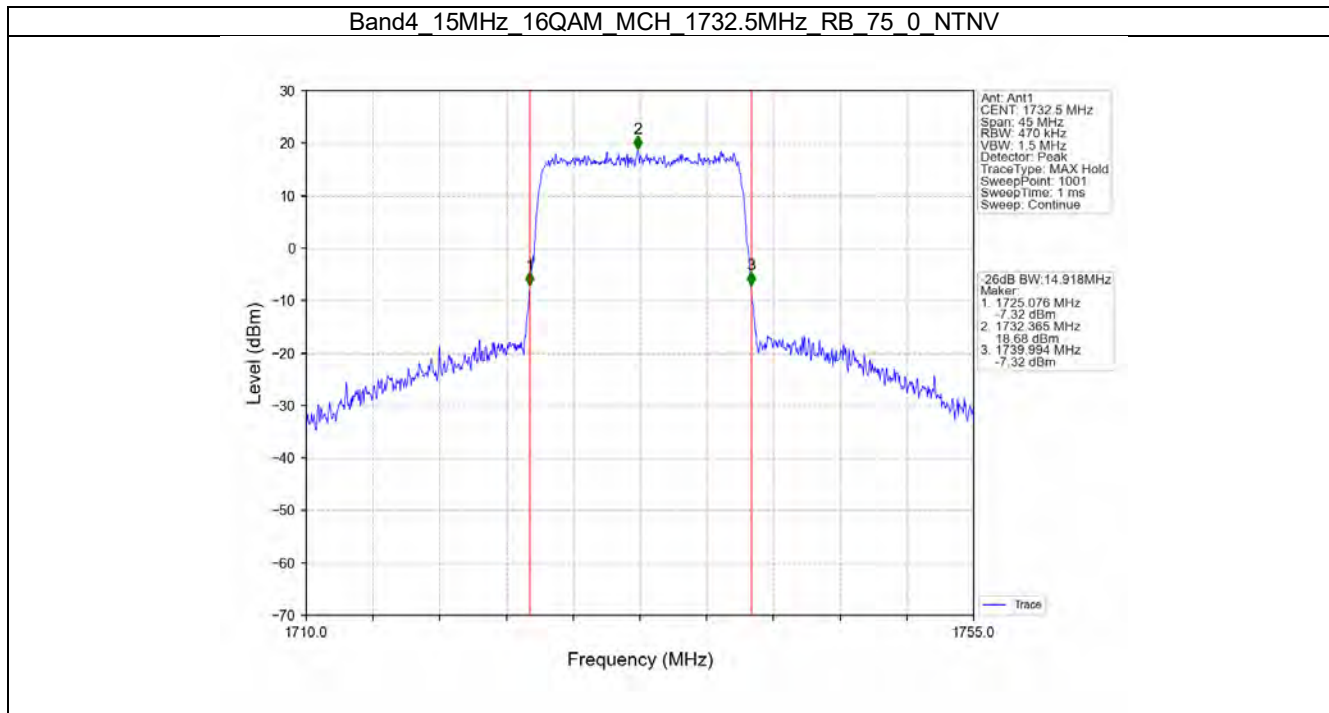


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Rev.: 01

Page: 88 of 238



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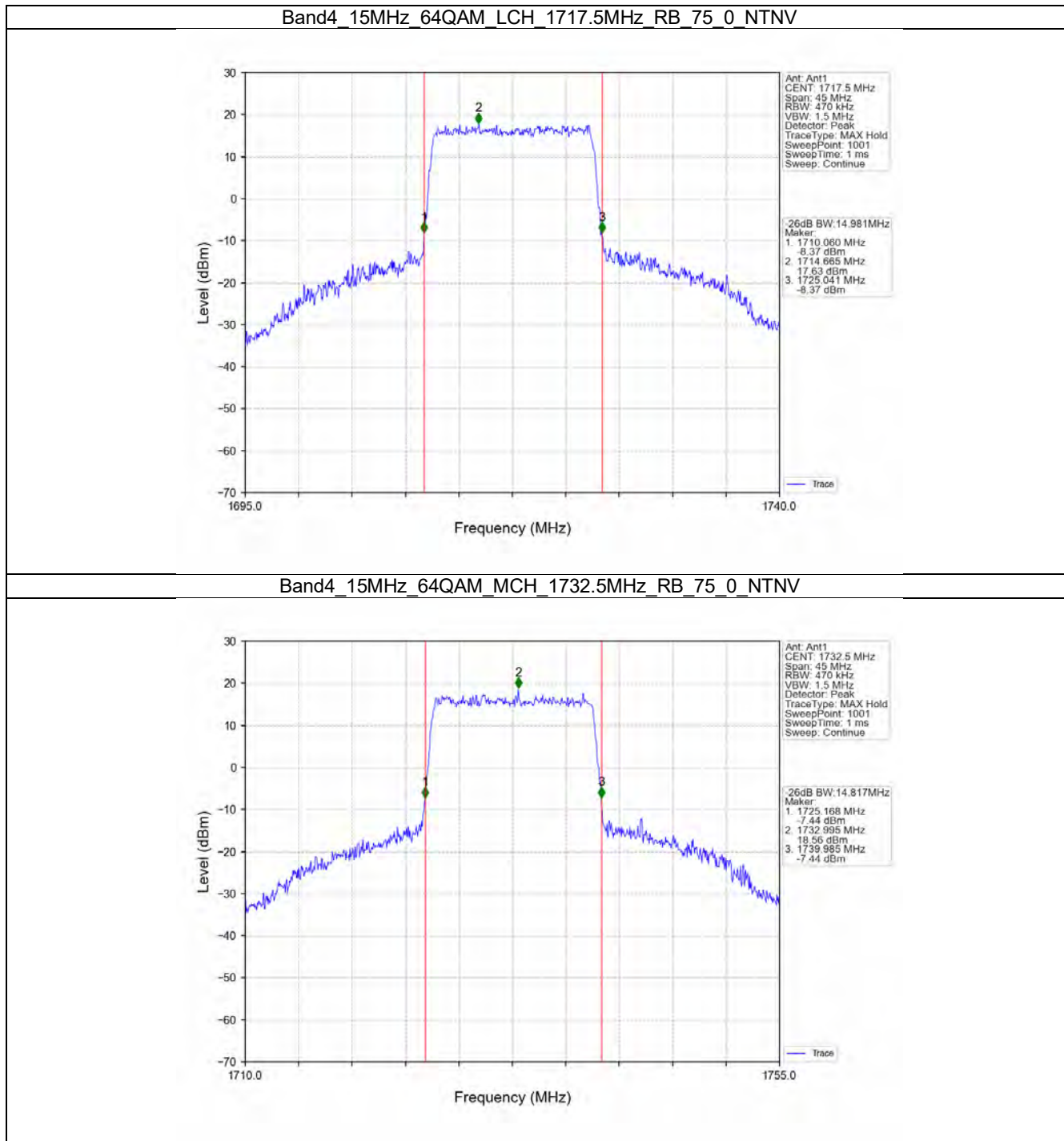
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 Rev.: 01
 Page: 89 of 238



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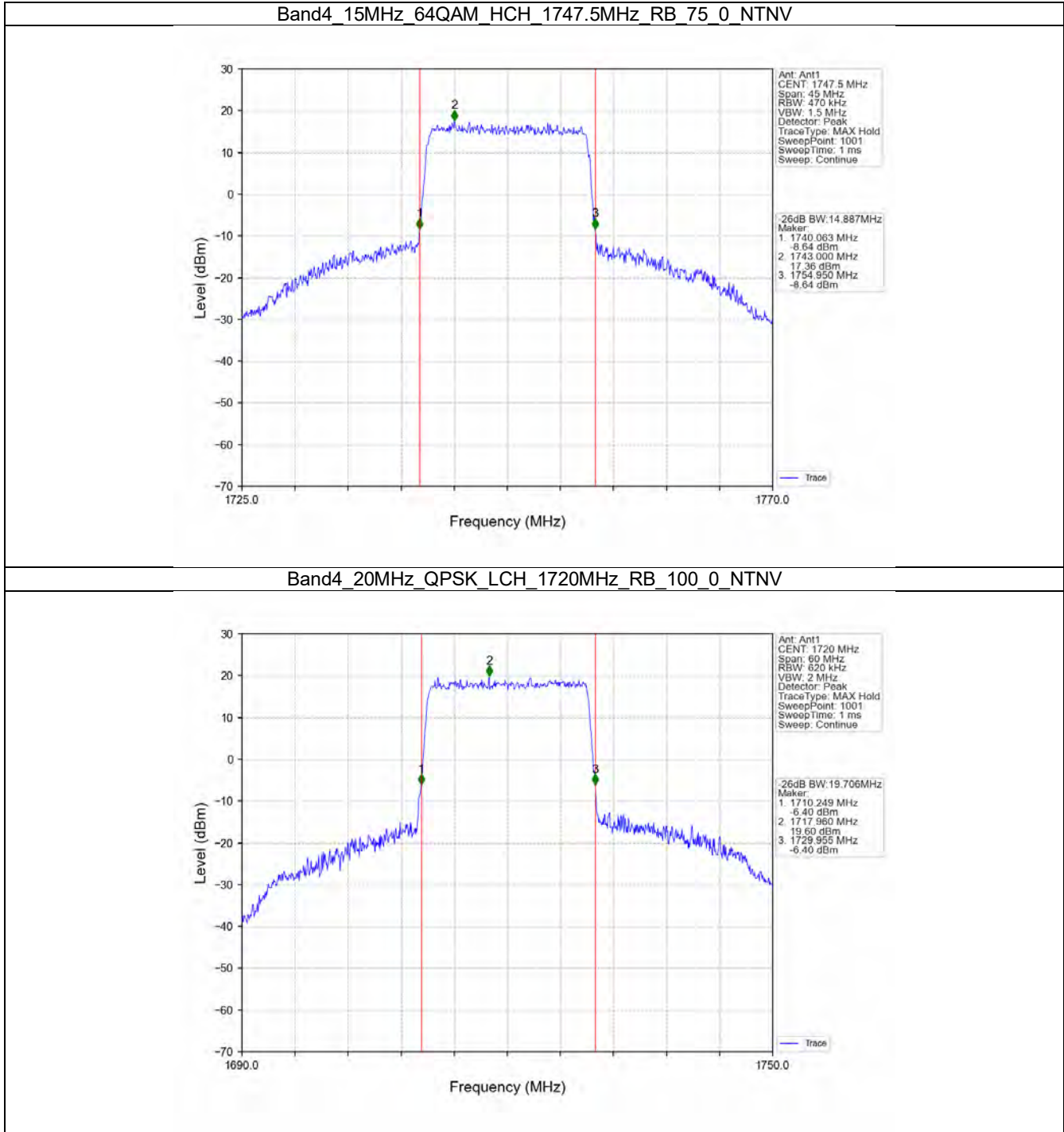
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 90 of 238



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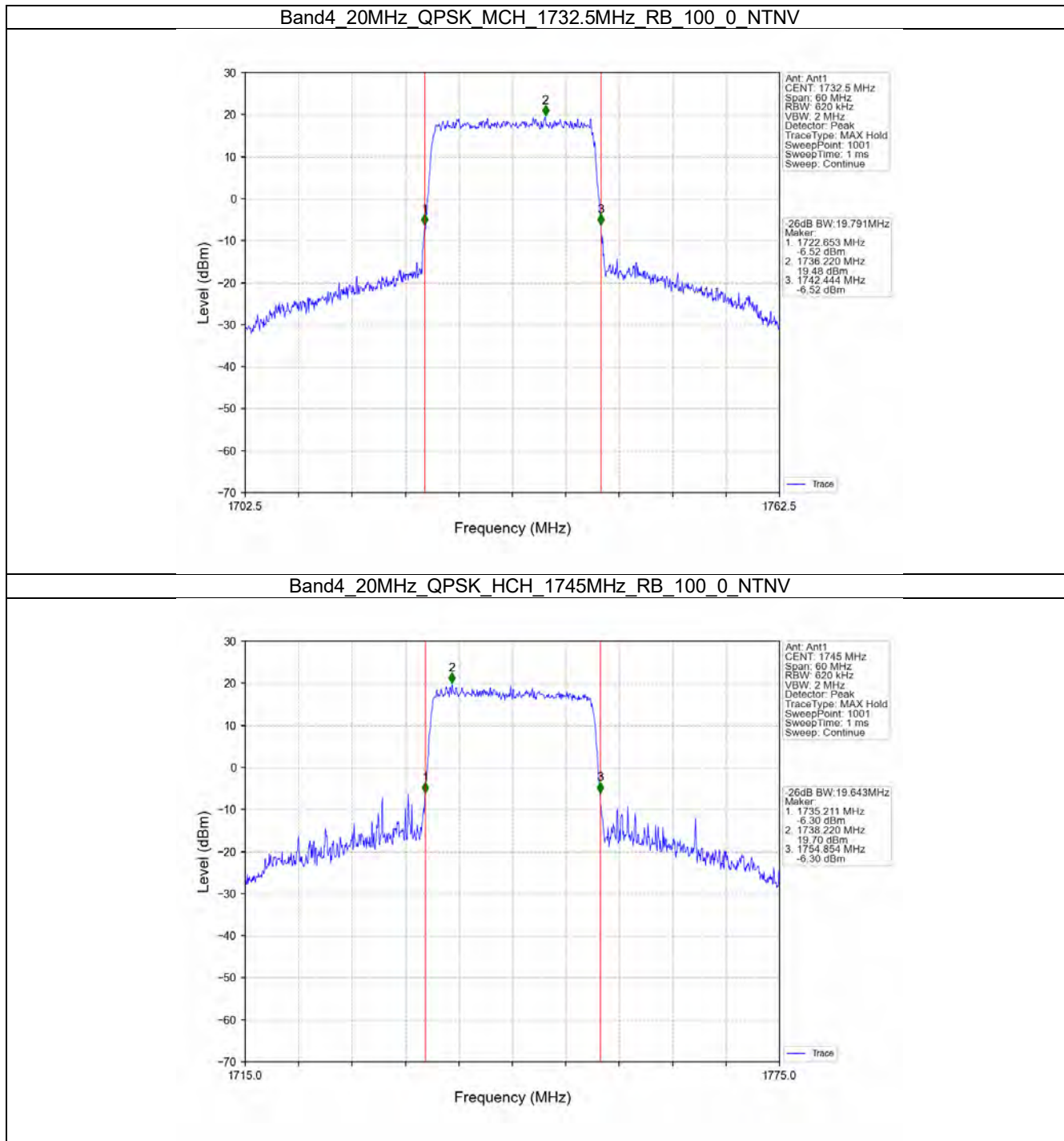
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 91 of 238



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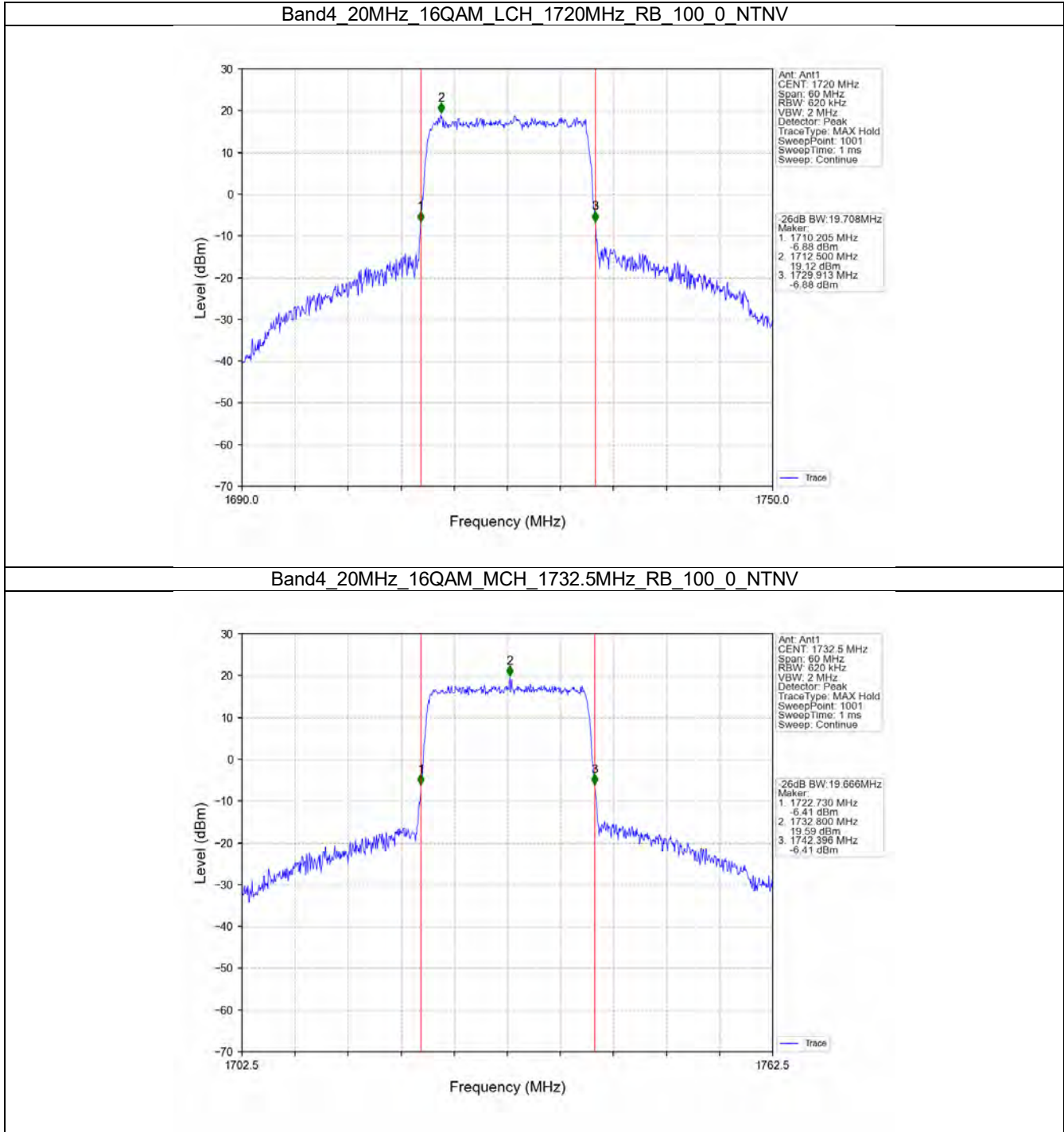
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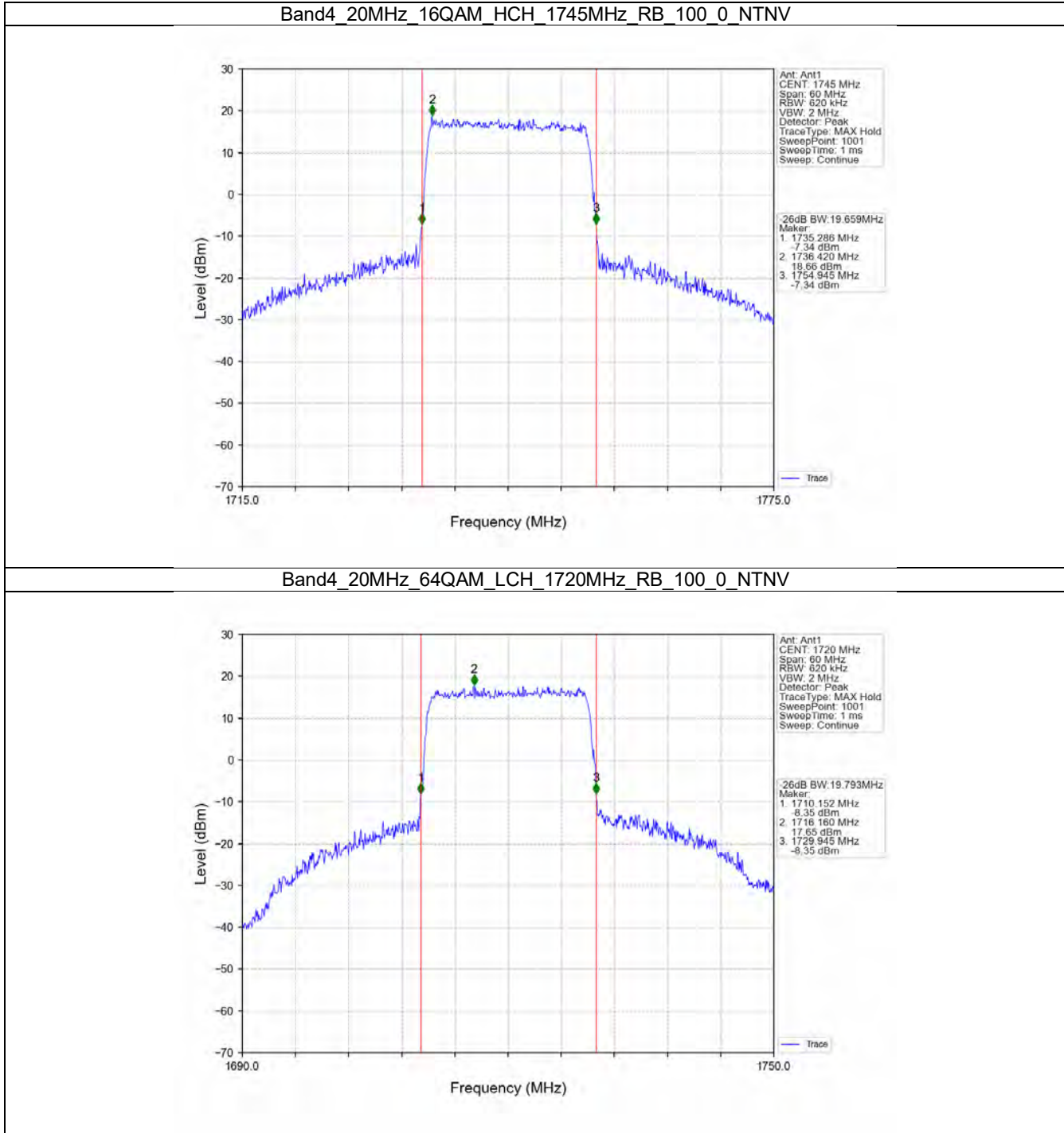
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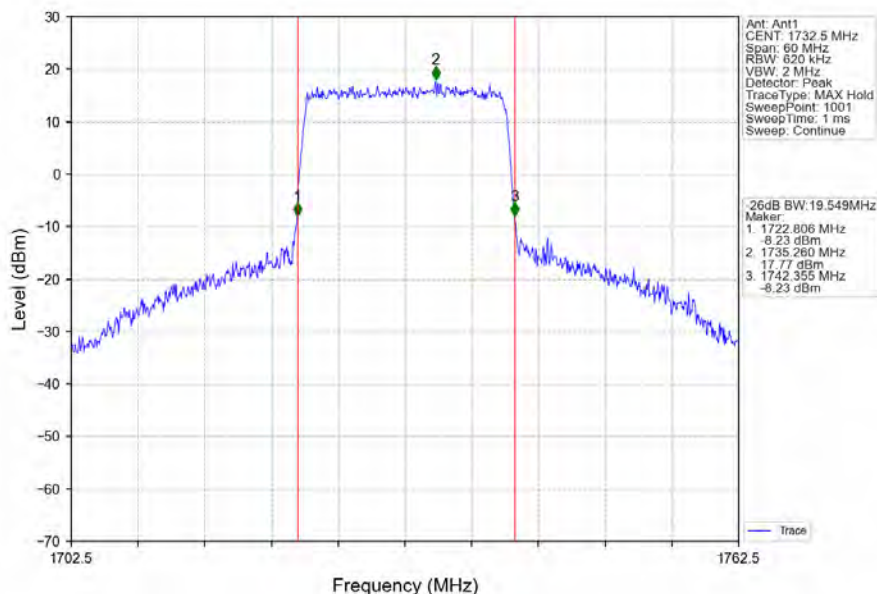
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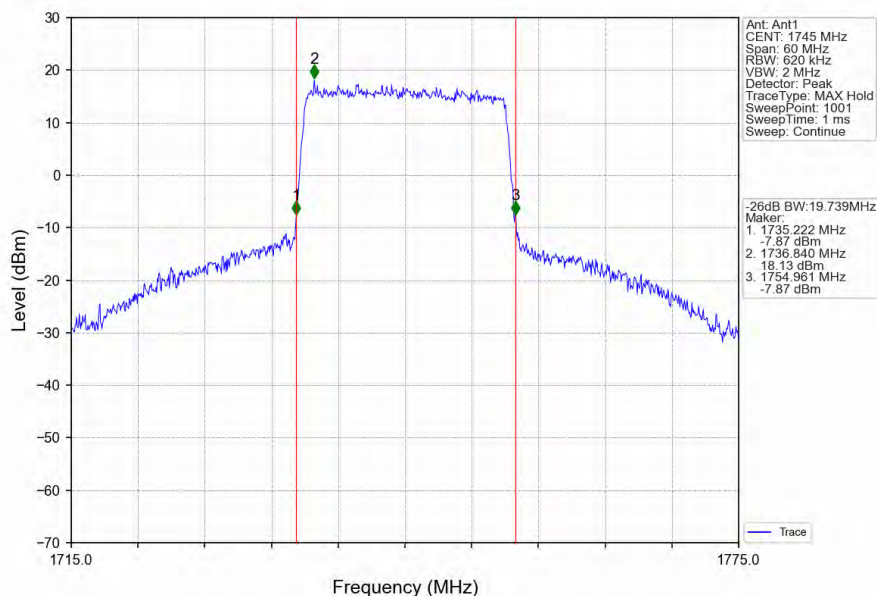
Rev.: 01

Page: 94 of 238

Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



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Report No.: SZCR240200059401
Rev.: 01
Page: 95 of 238

5. Peak-Average Ratio

5.1 B4_1.4MHz

5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.53	<=13	Pass
	1732.5	6	0	4.78	<=13	Pass
	1754.3	6	0	4.46	<=13	Pass
16QAM	1710.7	6	0	5.43	<=13	Pass
	1732.5	6	0	5.62	<=13	Pass
	1754.3	6	0	5.35	<=13	Pass
64QAM	1710.7	6	0	4.92	<=13	Pass
	1732.5	6	0	5.37	<=13	Pass
	1754.3	6	0	4.85	<=13	Pass



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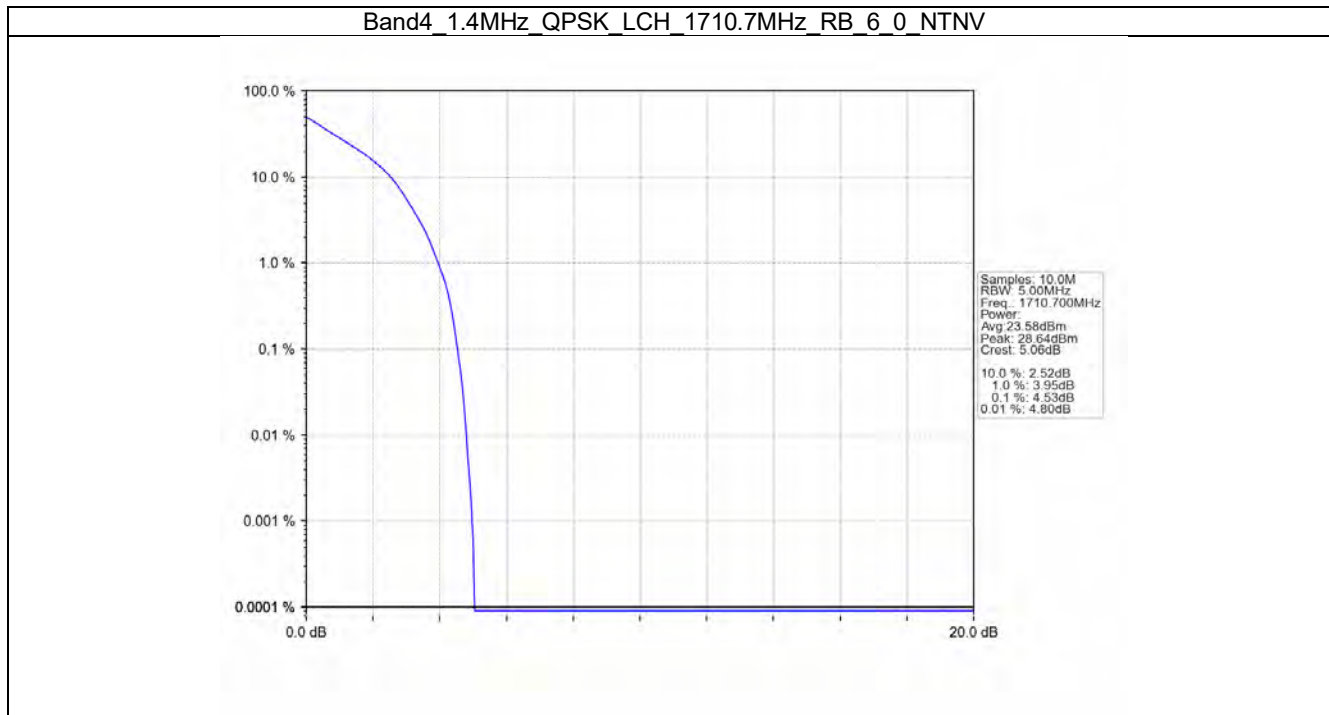
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 Page: 96 of 238

5.1.2 Test Graph



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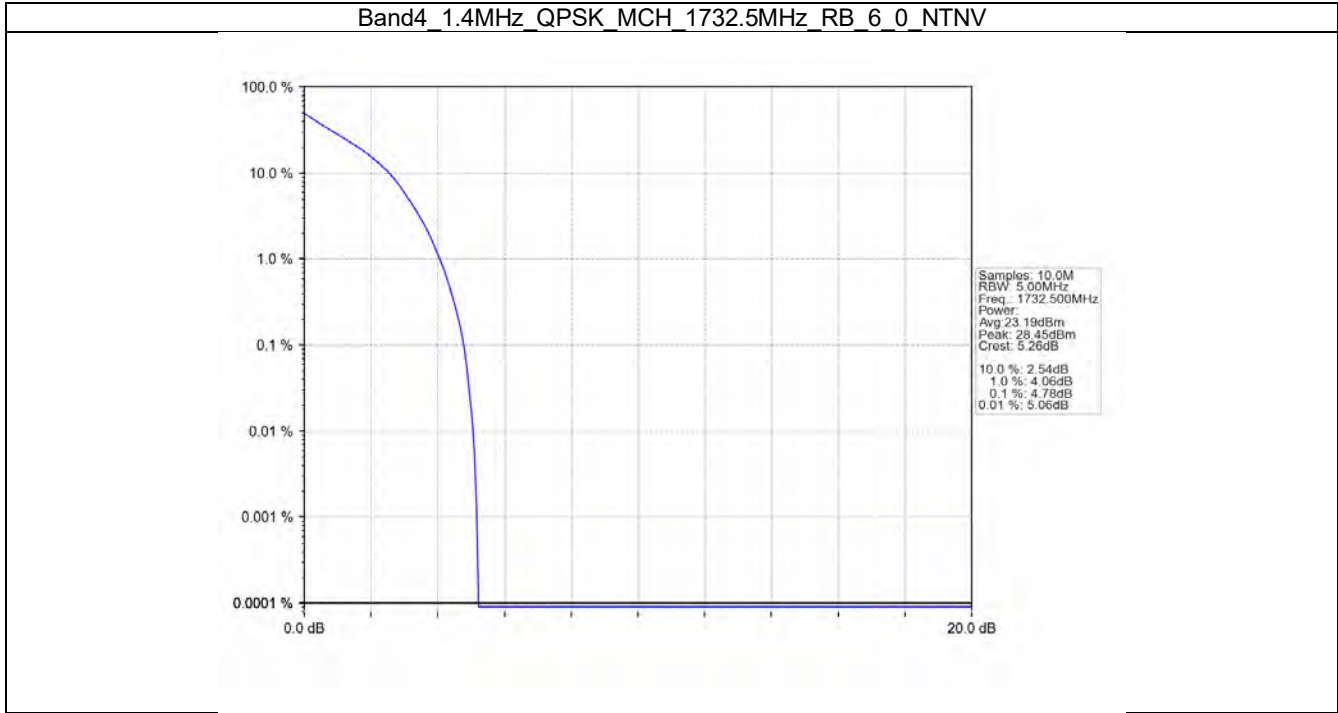
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 97 of 238



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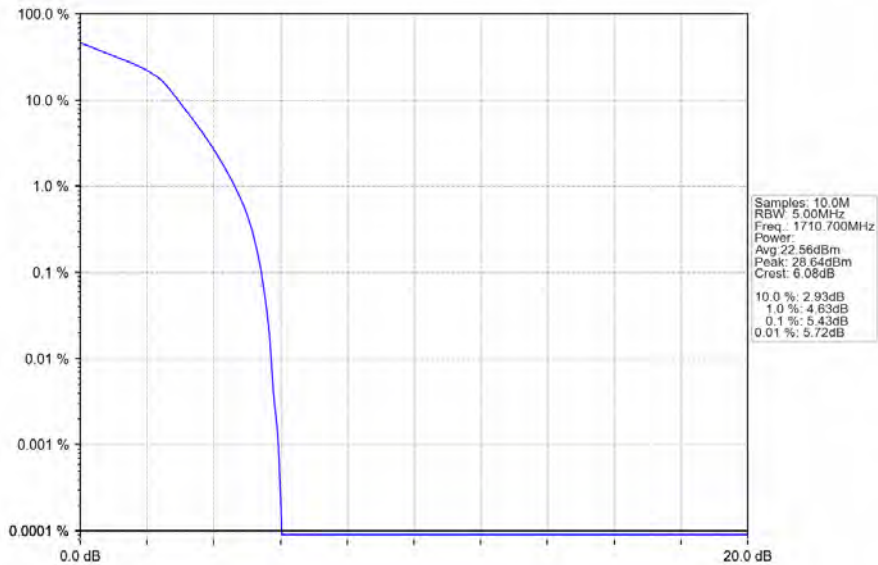
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 98 of 238

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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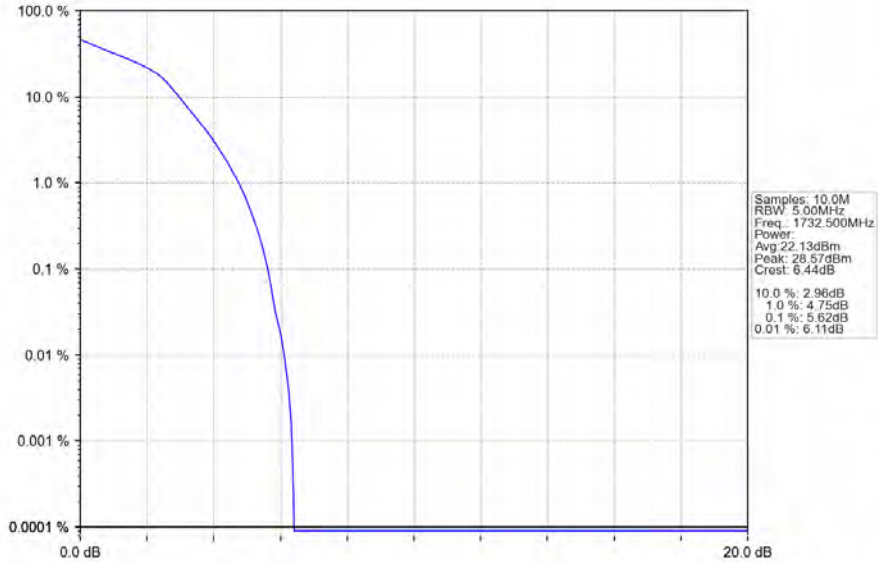
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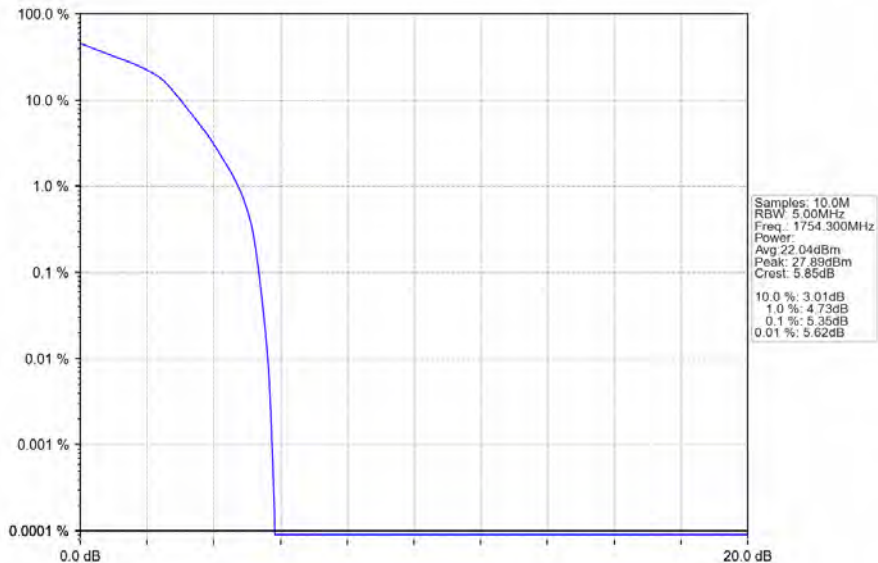
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 99 of 238

Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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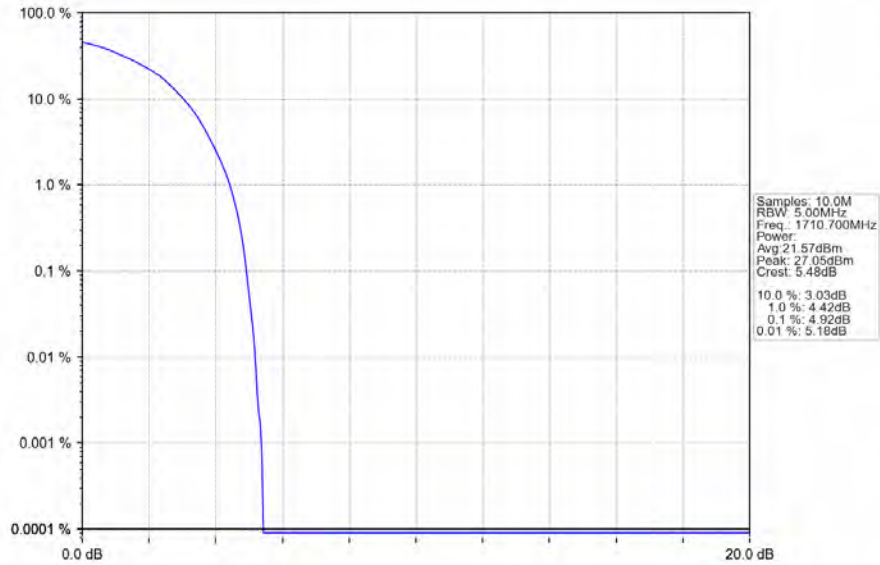
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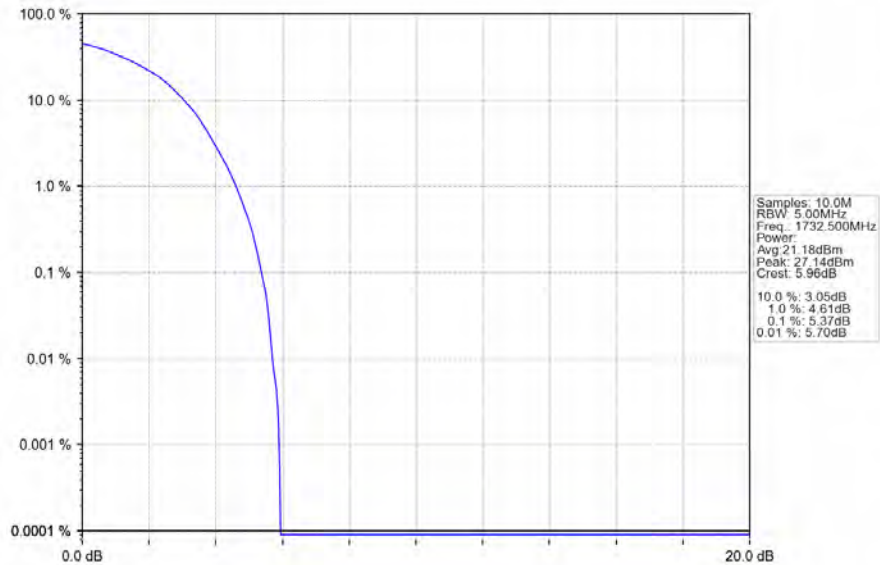
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 100 of 238

Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



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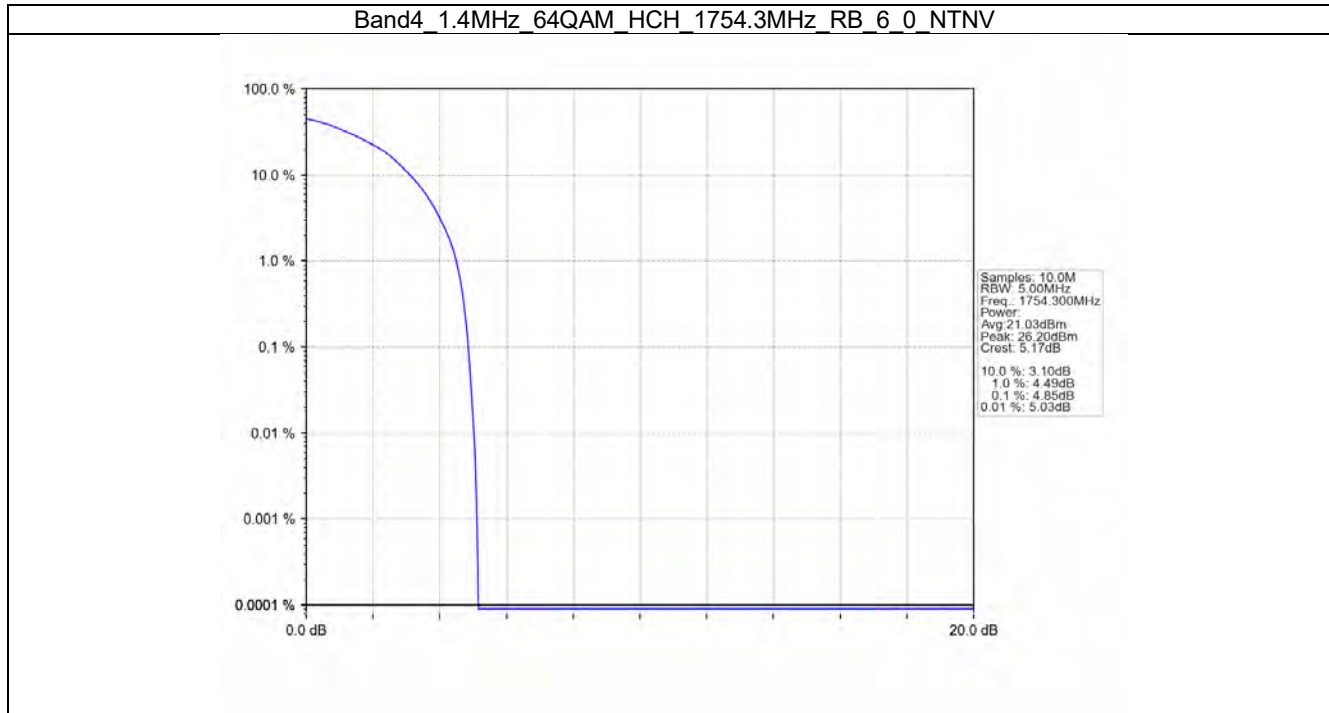


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Report No.: SZCR240200059401

Rev.: 01

Page: 101 of 238



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Report No.: SZCR240200059401
Rev.: 01
Page: 102 of 238

5.2 B4_3MHz

5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.95	<=13	Pass
	1732.5	15	0	4.99	<=13	Pass
	1753.5	15	0	4.90	<=13	Pass
16QAM	1711.5	15	0	5.75	<=13	Pass
	1732.5	15	0	5.82	<=13	Pass
	1753.5	15	0	5.73	<=13	Pass
64QAM	1711.5	15	0	5.45	<=13	Pass
	1732.5	15	0	5.55	<=13	Pass
	1753.5	15	0	5.36	<=13	Pass



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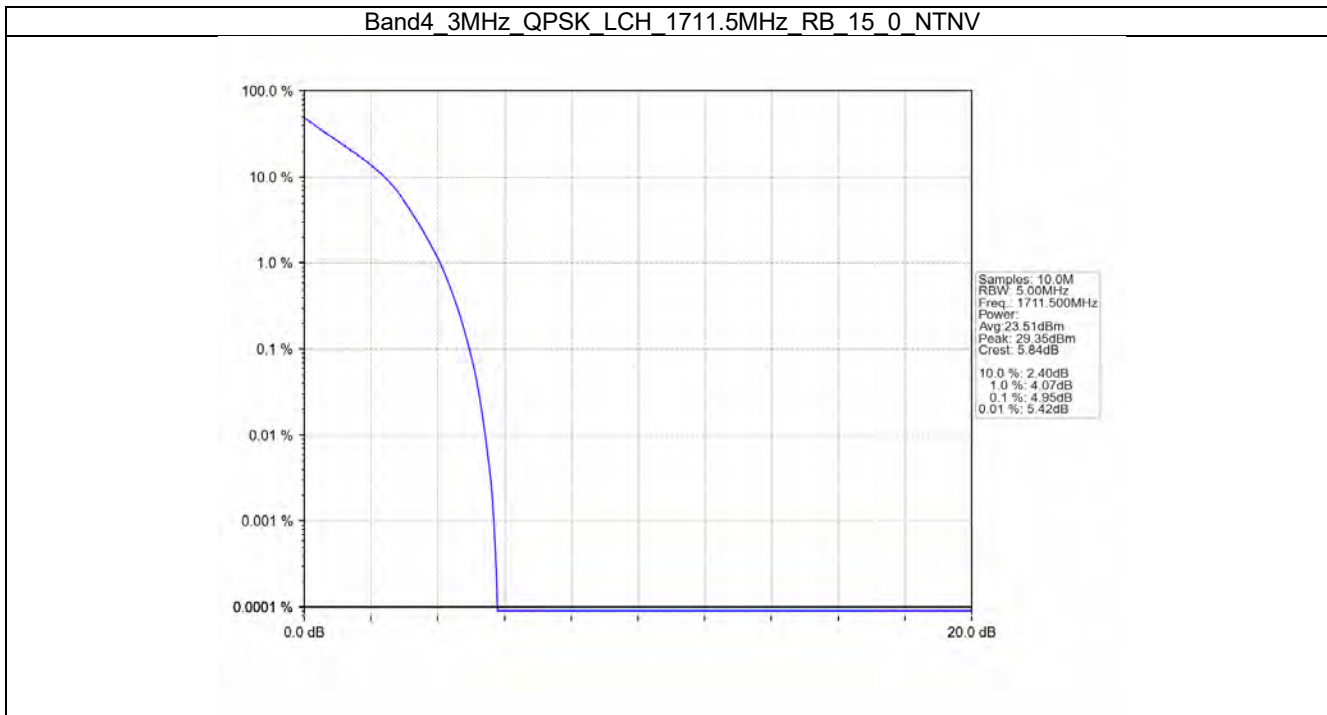
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Report No.: SZCR240200059401
Rev.: 01
Page: 103 of 238

5.2.2 Test Graph



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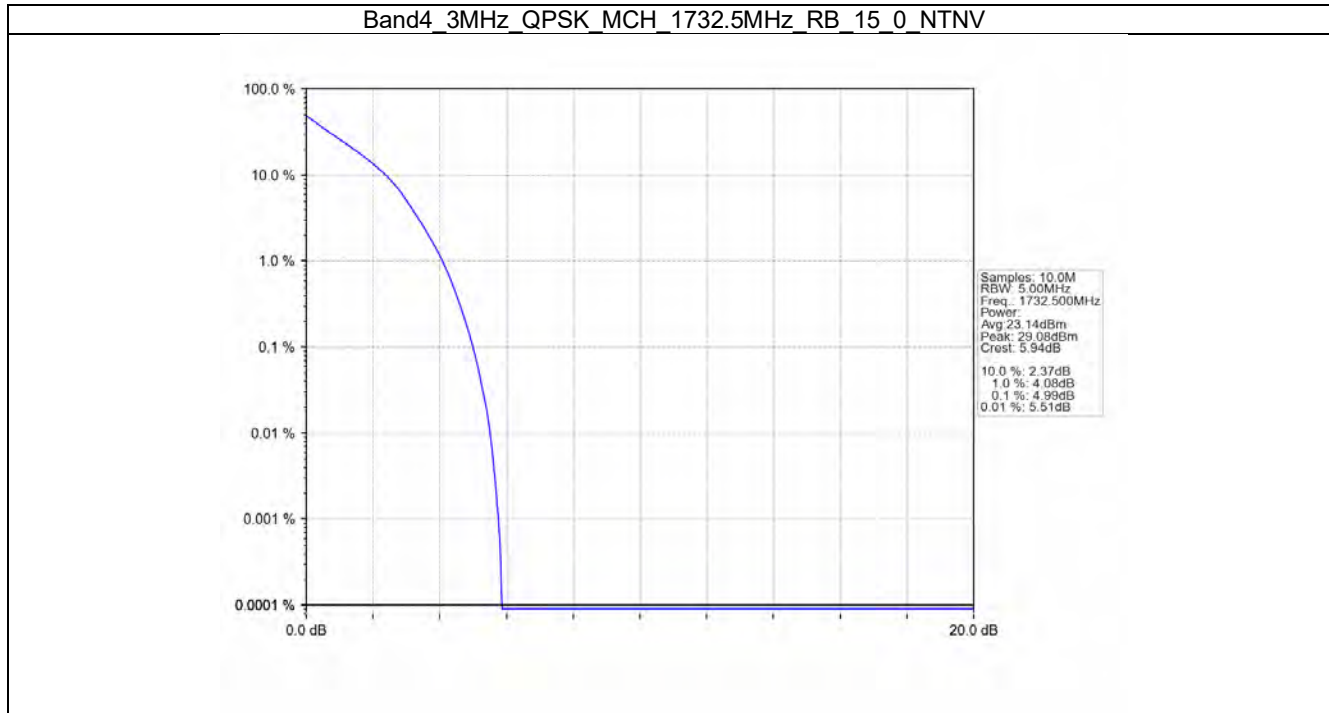
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Report No.: SZCR240200059401
Rev.: 01
Page: 104 of 238

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



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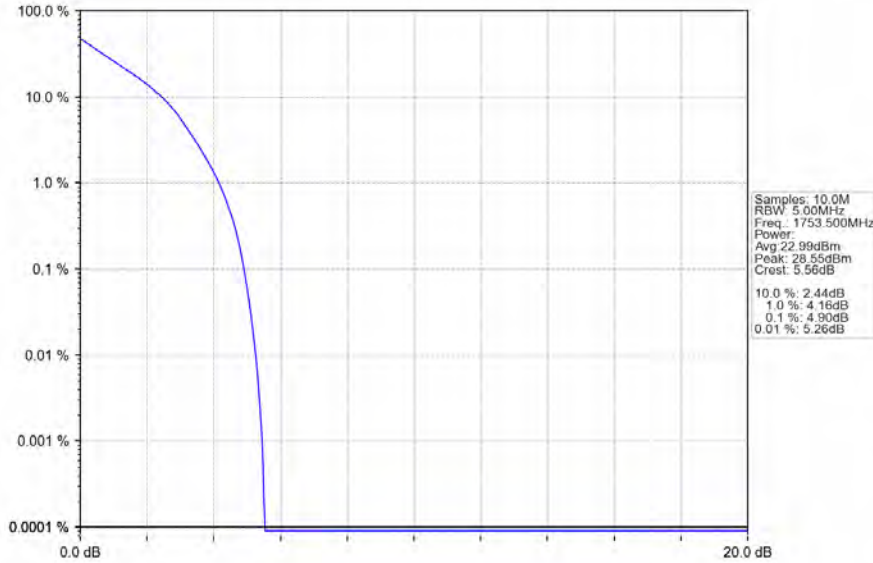
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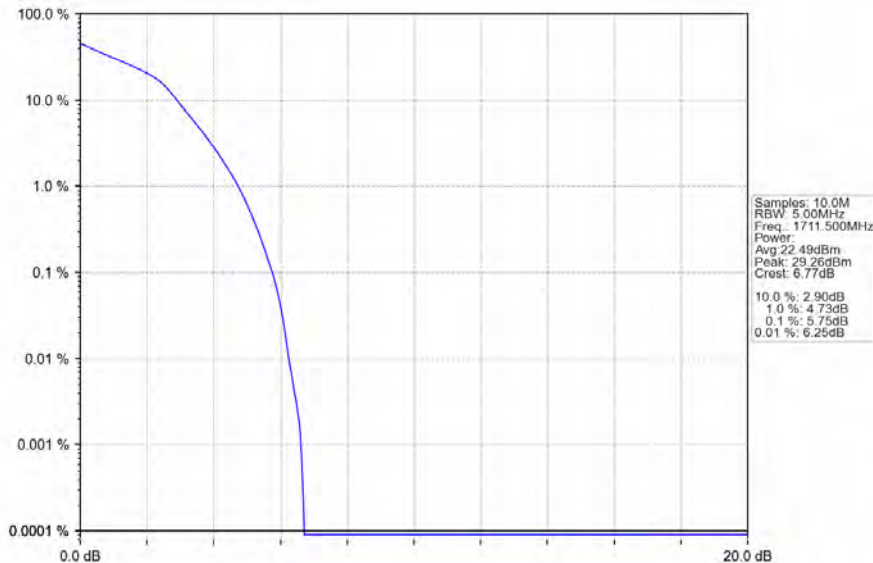
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 105 of 238

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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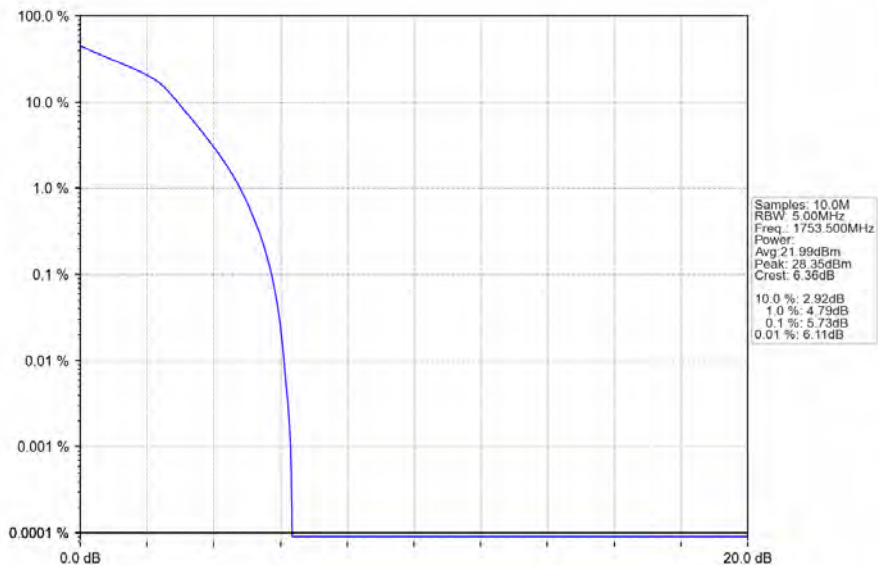
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 Page: 106 of 238

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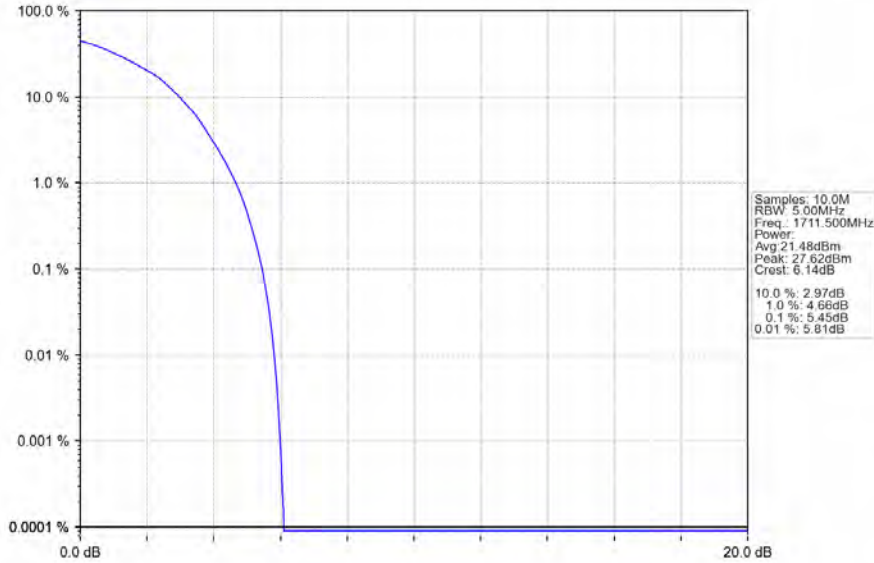
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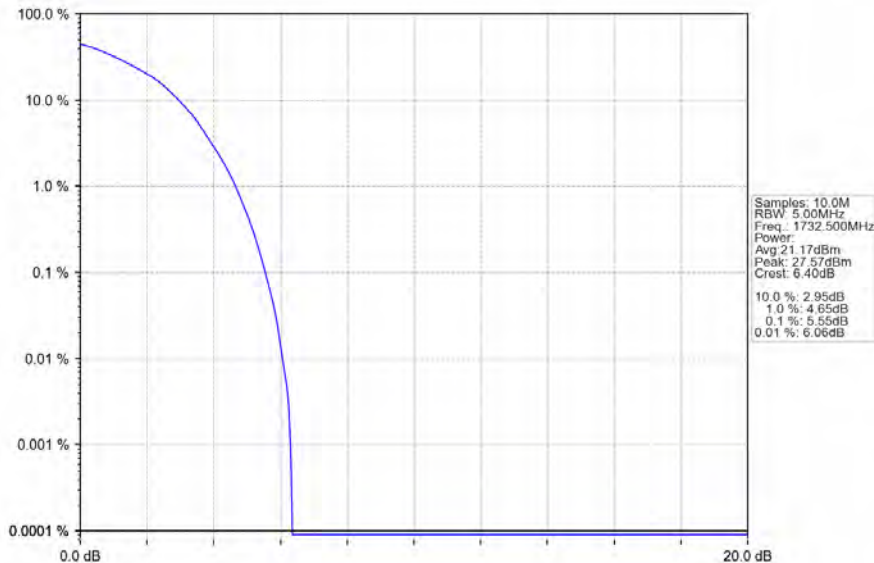
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Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



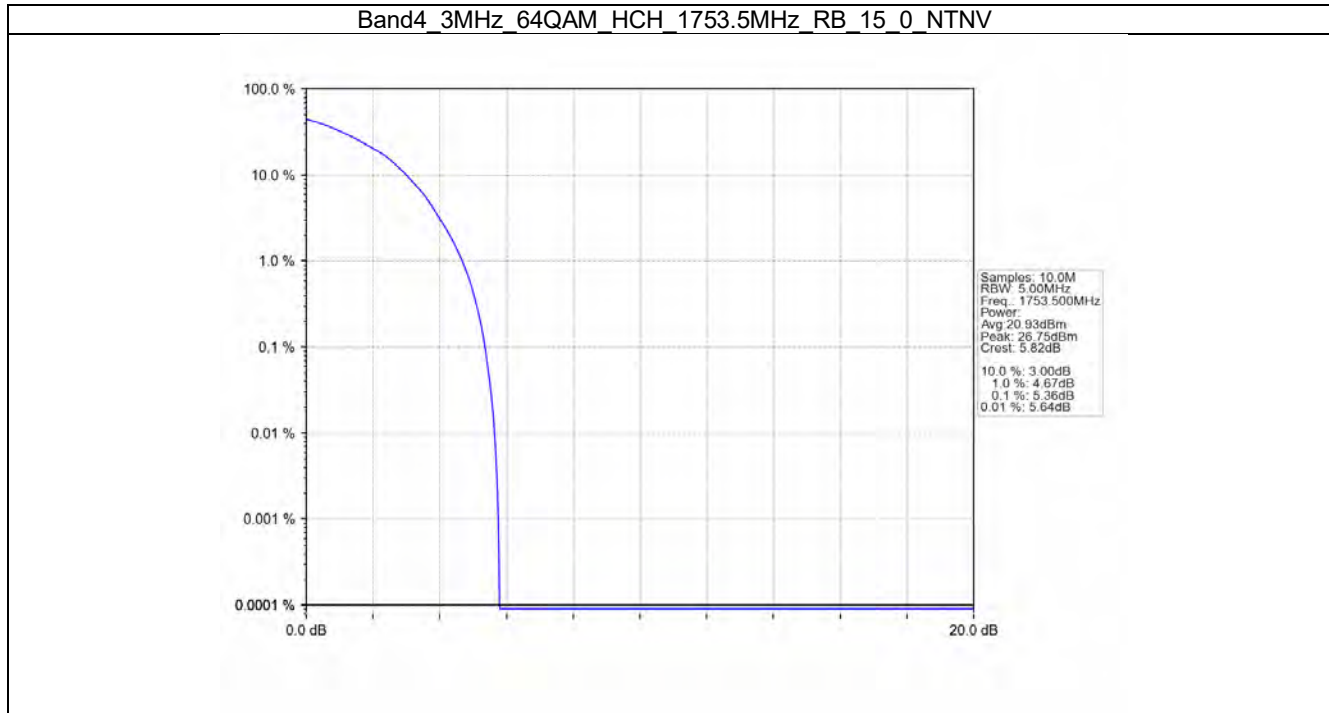
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Report No.: SZCR240200059401

Rev.: 01

Page: 109 of 238

5.3 B4_5MHz

5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.31	<=13	Pass
	1732.5	25	0	5.38	<=13	Pass
	1752.5	25	0	5.23	<=13	Pass
16QAM	1712.5	25	0	5.97	<=13	Pass
	1732.5	25	0	6.04	<=13	Pass
	1752.5	25	0	5.97	<=13	Pass
64QAM	1712.5	25	0	5.84	<=13	Pass
	1732.5	25	0	5.95	<=13	Pass
	1752.5	25	0	5.76	<=13	Pass



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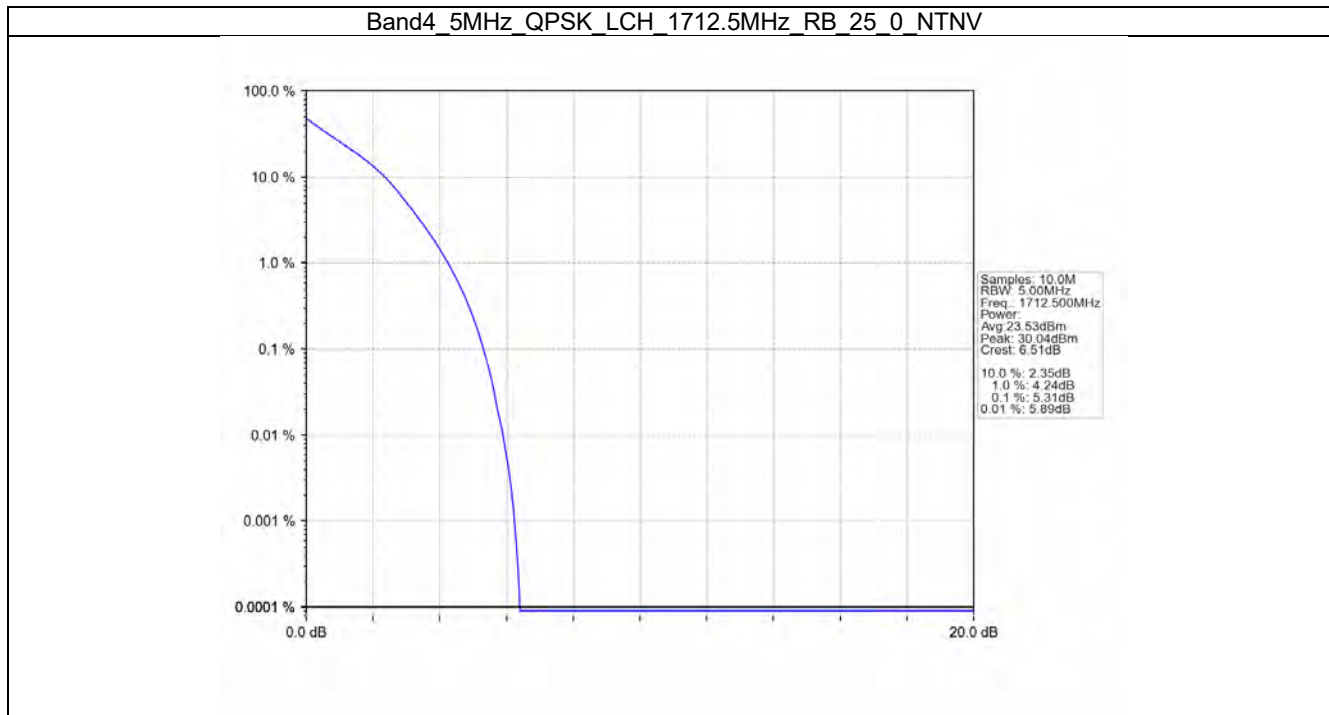
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Rev.: 01
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5.3.2 Test Graph



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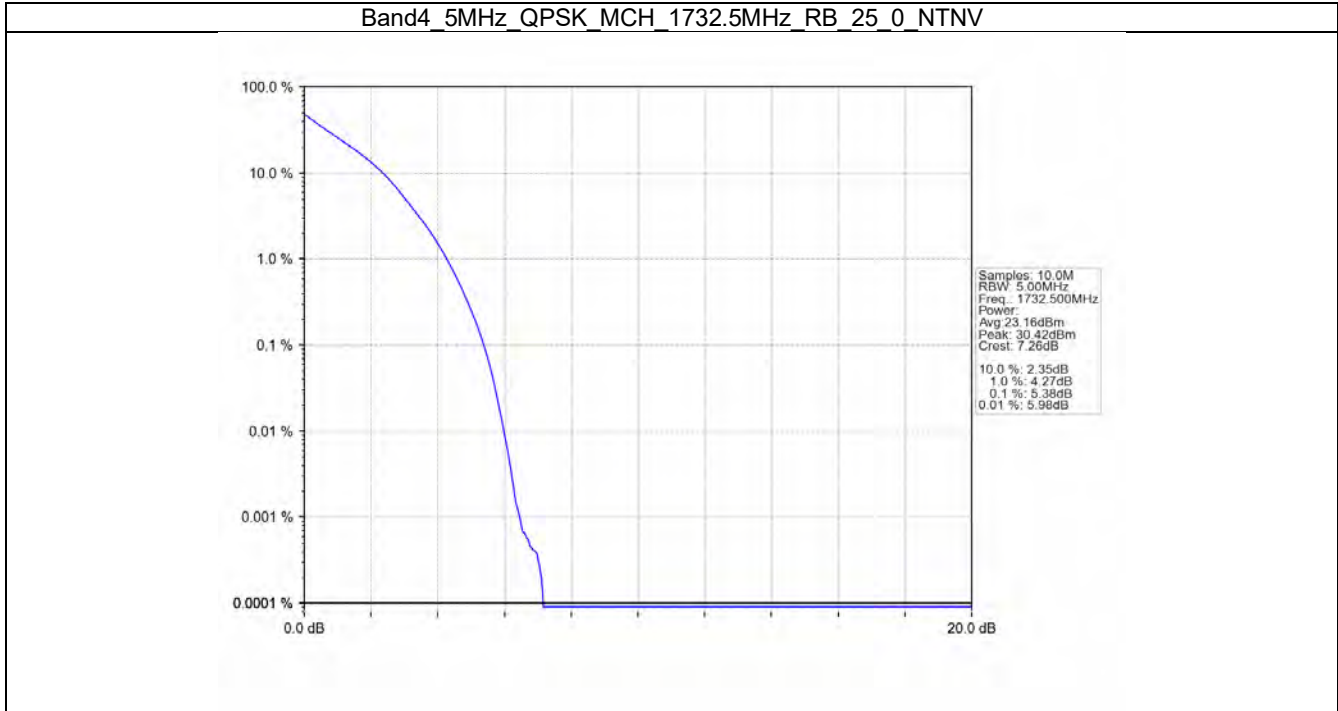
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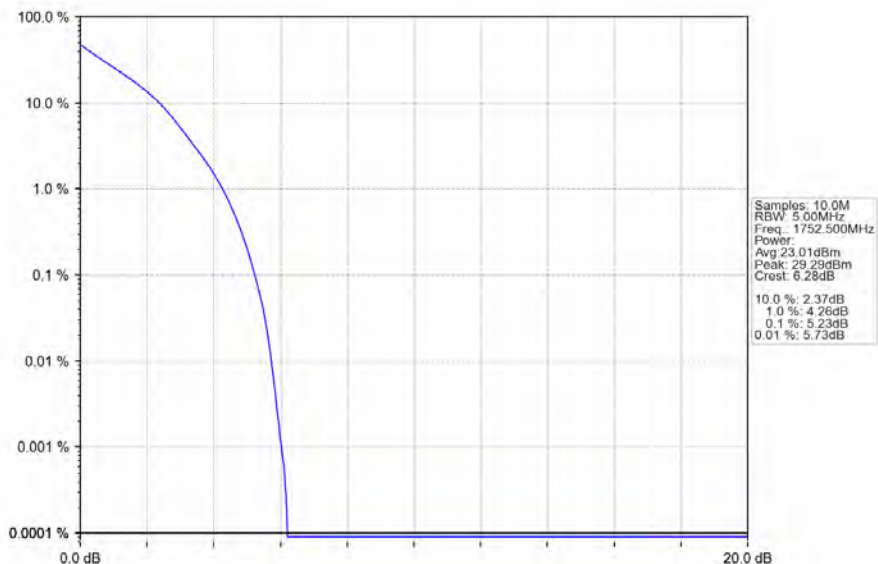
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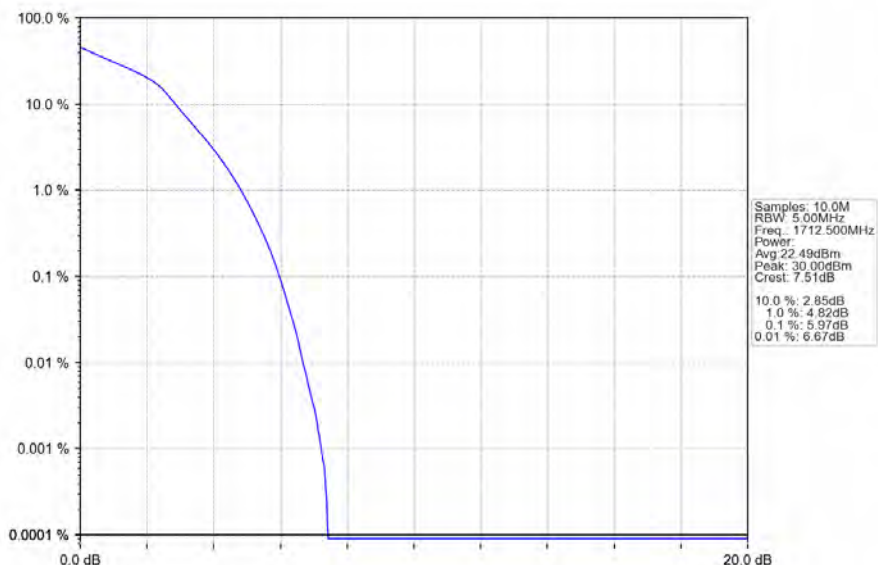
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 112 of 238

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



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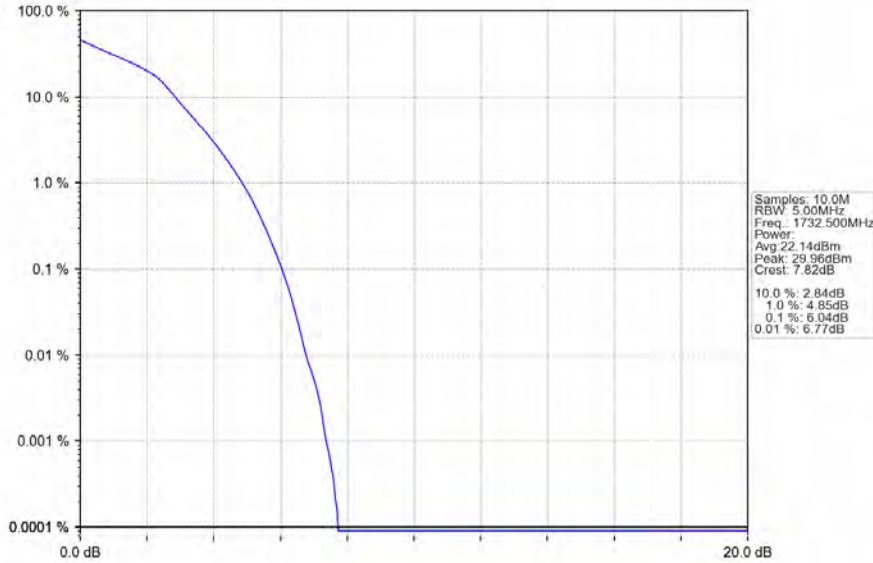
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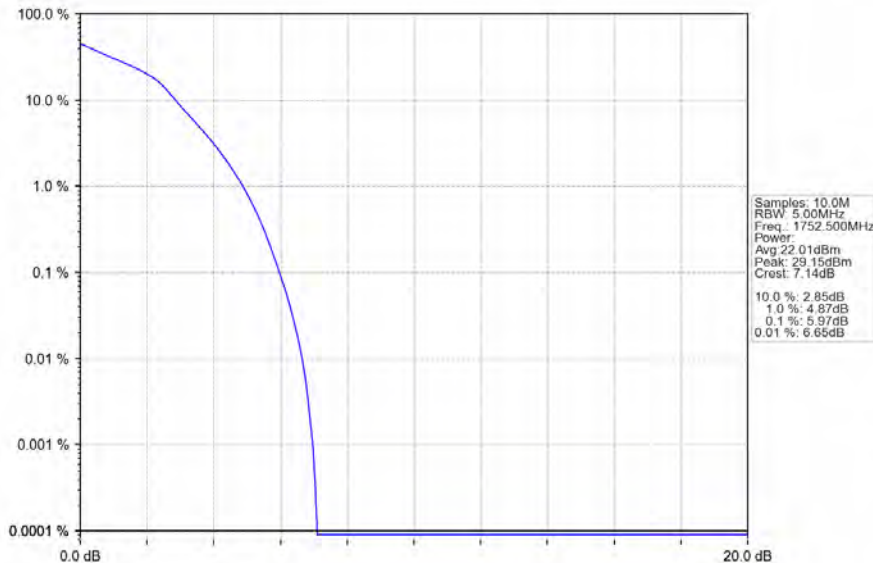
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 113 of 238

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



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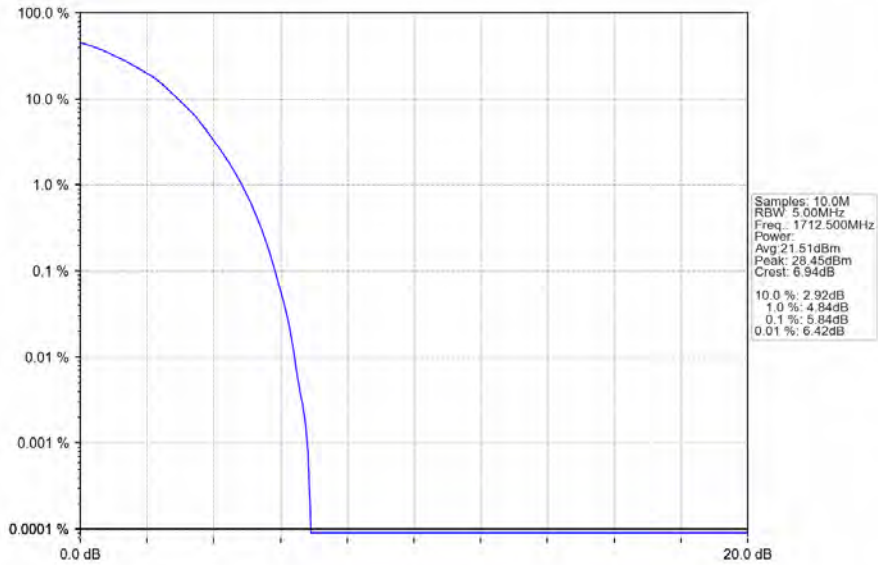
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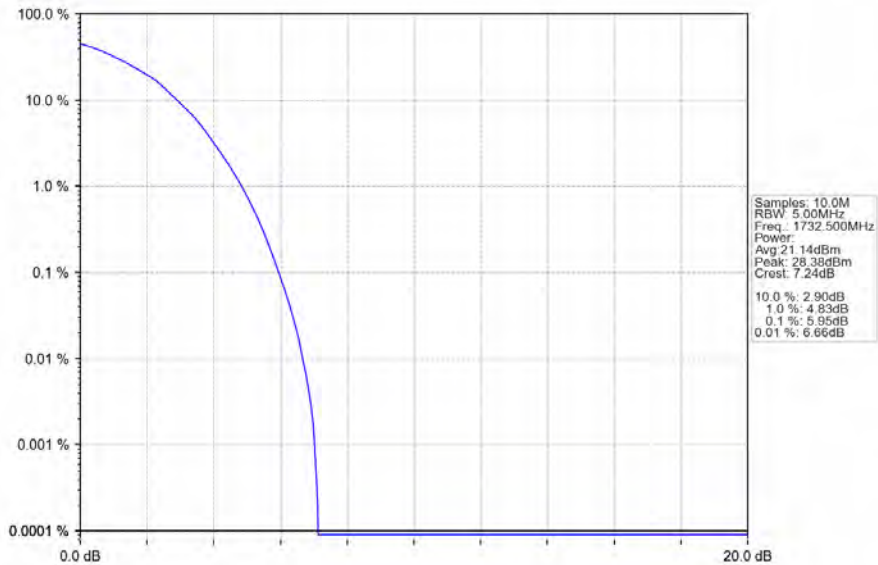
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 114 of 238

Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



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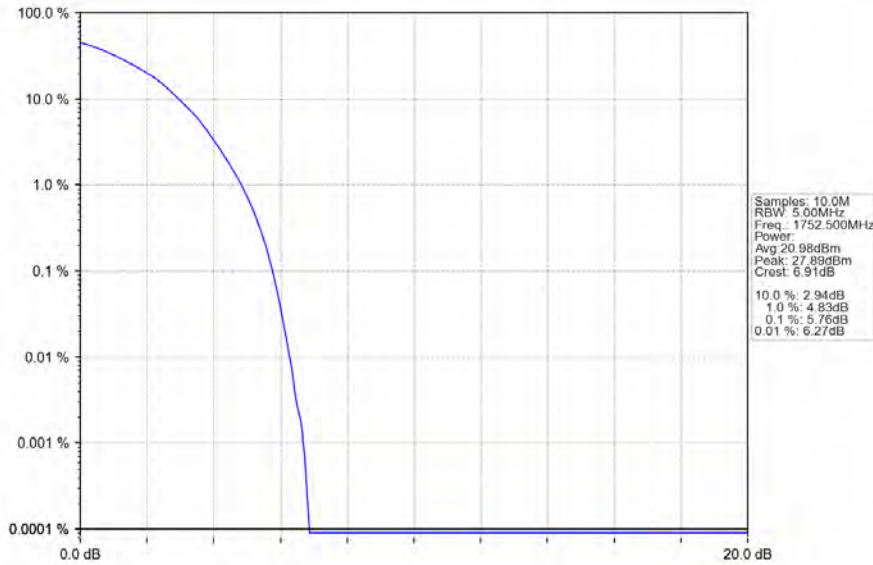
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 115 of 238

Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



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Report No.: SZCR240200059401
Rev.: 01
Page: 116 of 238

5.4 B4_10MHz

5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.31	<=13	Pass
	1732.5	50	0	5.32	<=13	Pass
	1750	50	0	5.26	<=13	Pass
16QAM	1715	50	0	6.01	<=13	Pass
	1732.5	50	0	6.07	<=13	Pass
	1750	50	0	5.99	<=13	Pass
64QAM	1715	50	0	5.90	<=13	Pass
	1732.5	50	0	5.98	<=13	Pass
	1750	50	0	5.77	<=13	Pass



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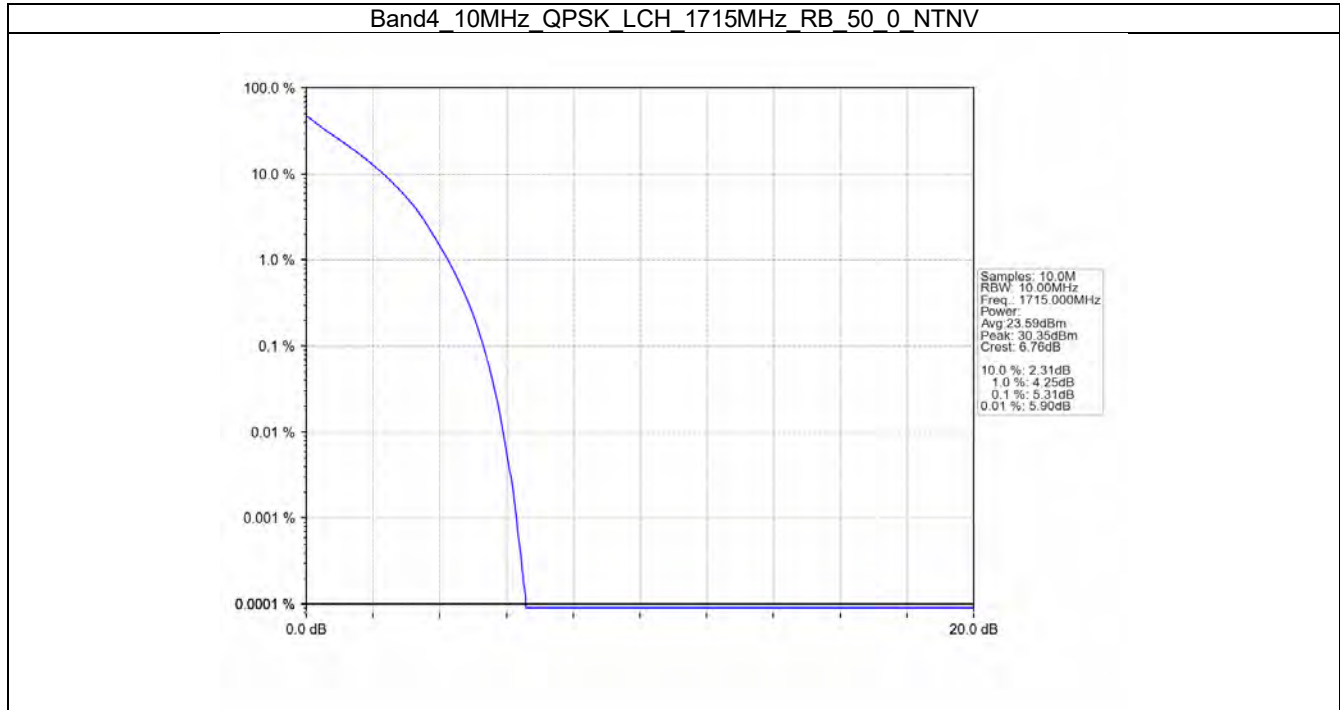
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Page: 117 of 238

5.4.2 Test Graph



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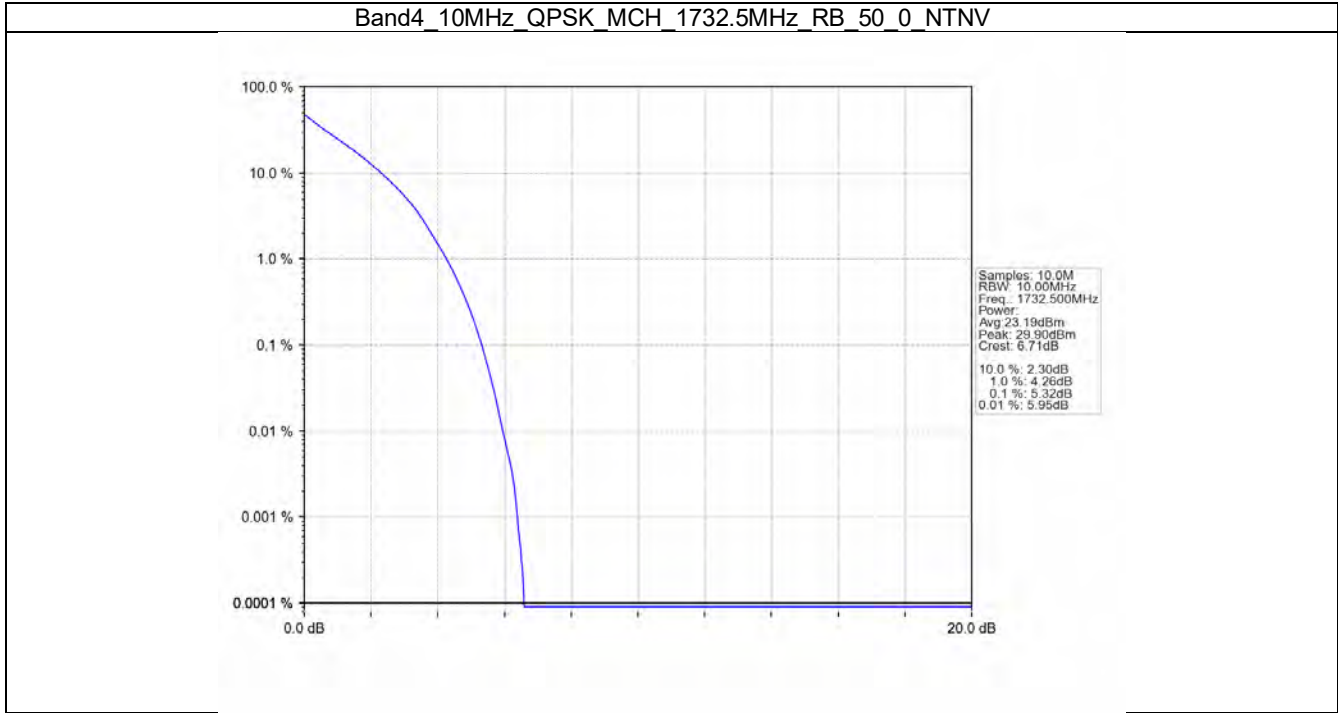
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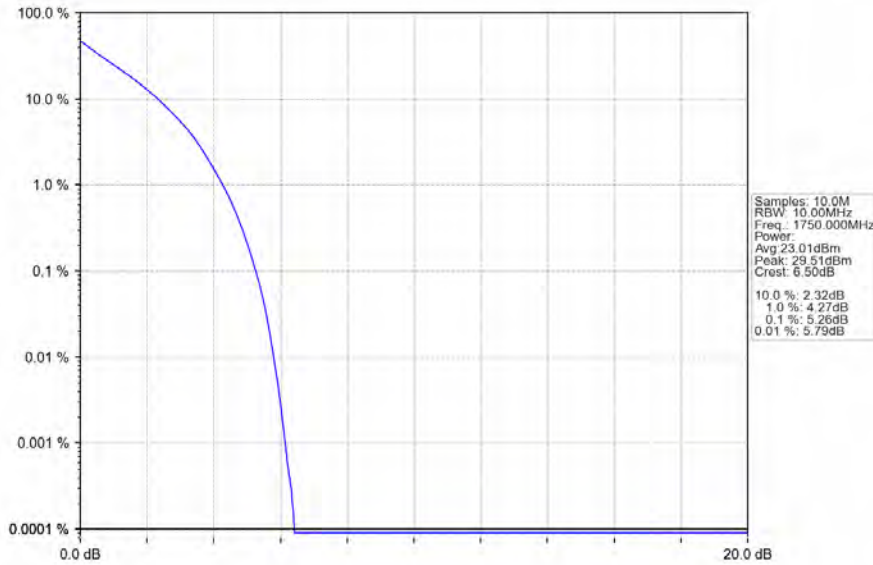
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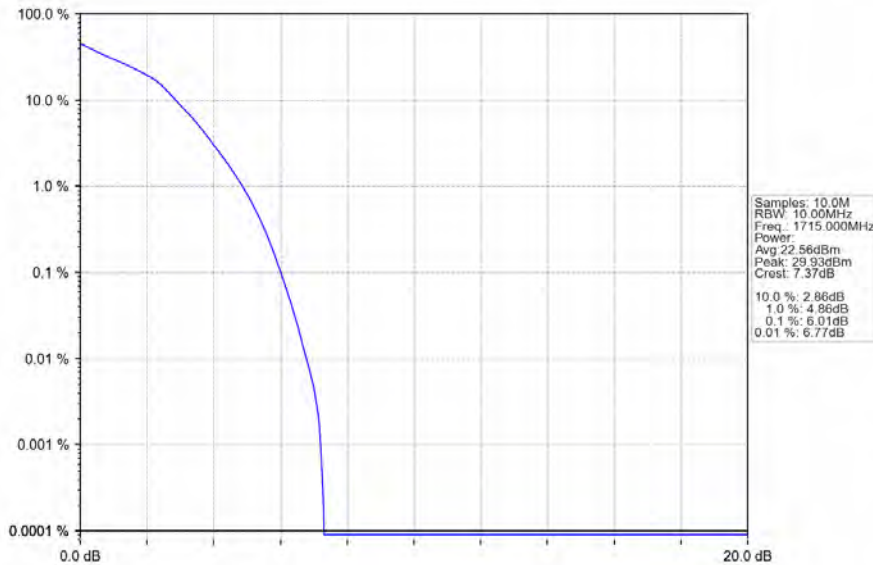
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 119 of 238

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



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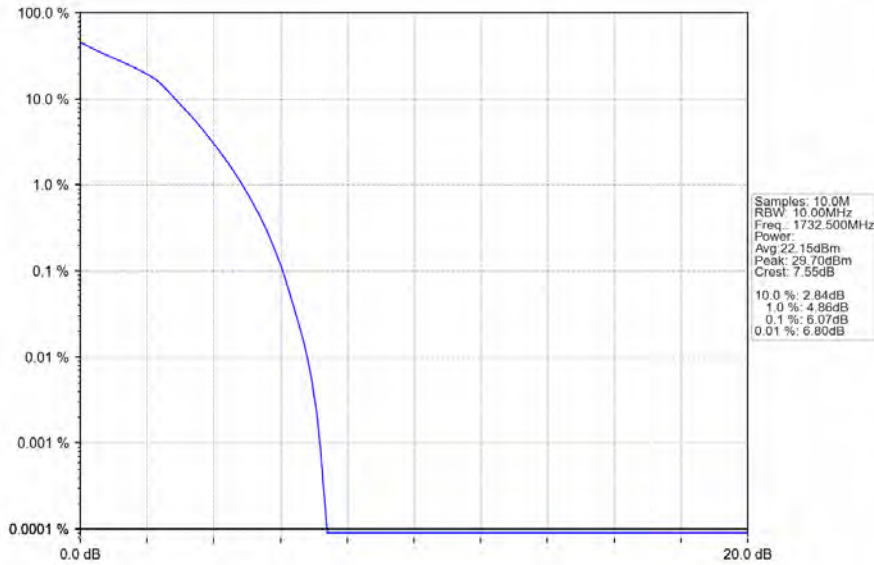
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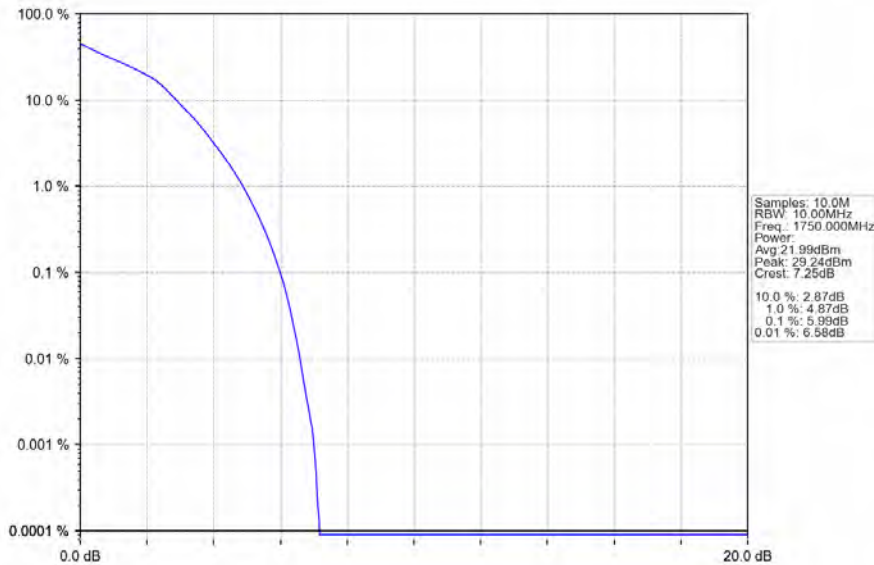
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 Page: 120 of 238

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



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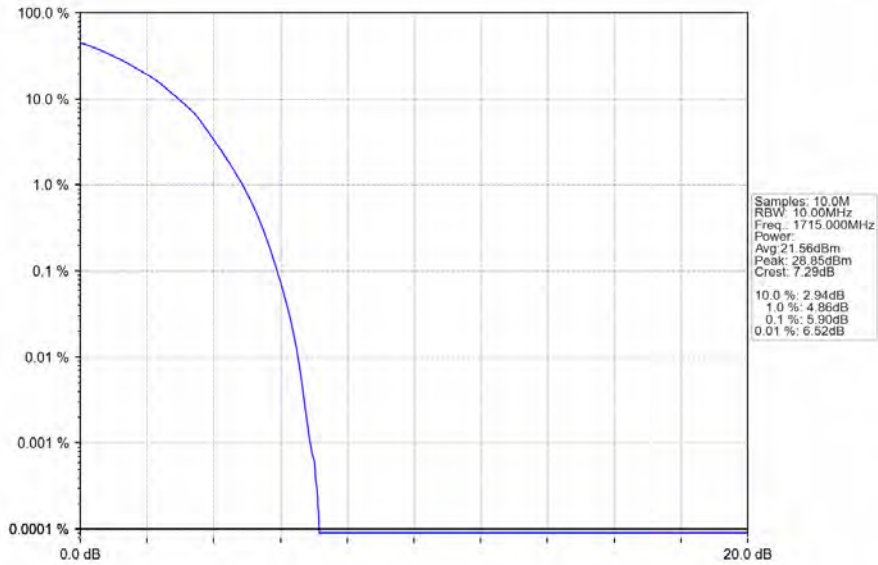
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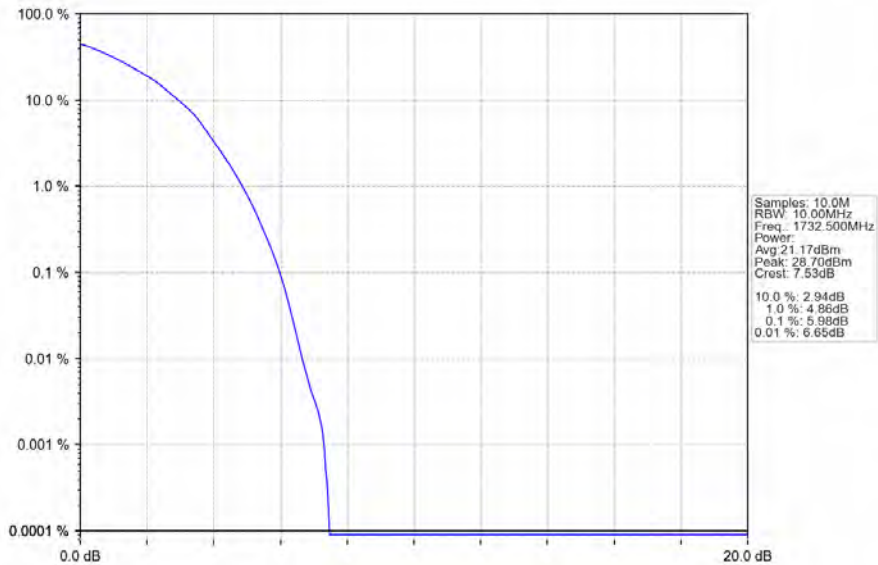
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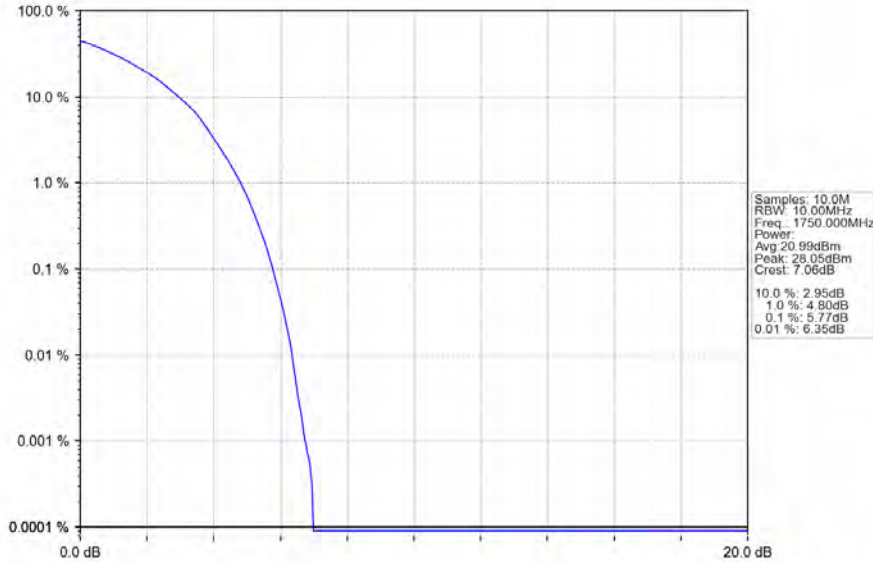
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Report No.: SZCR240200059401
Rev.: 01
Page: 123 of 238

5.5 B4_15MHz

5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN							
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict	
		Size	Offset	Result	Limit		
QPSK	1717.5	75	0	5.58	<=13	Pass	
	1732.5	75	0	5.57	<=13	Pass	
	1747.5	75	0	5.44	<=13	Pass	
16QAM	1717.5	75	0	6.13	<=13	Pass	
	1732.5	75	0	6.11	<=13	Pass	
	1747.5	75	0	6.05	<=13	Pass	
64QAM	1717.5	75	0	5.97	<=13	Pass	
	1732.5	75	0	5.98	<=13	Pass	
	1747.5	75	0	5.82	<=13	Pass	



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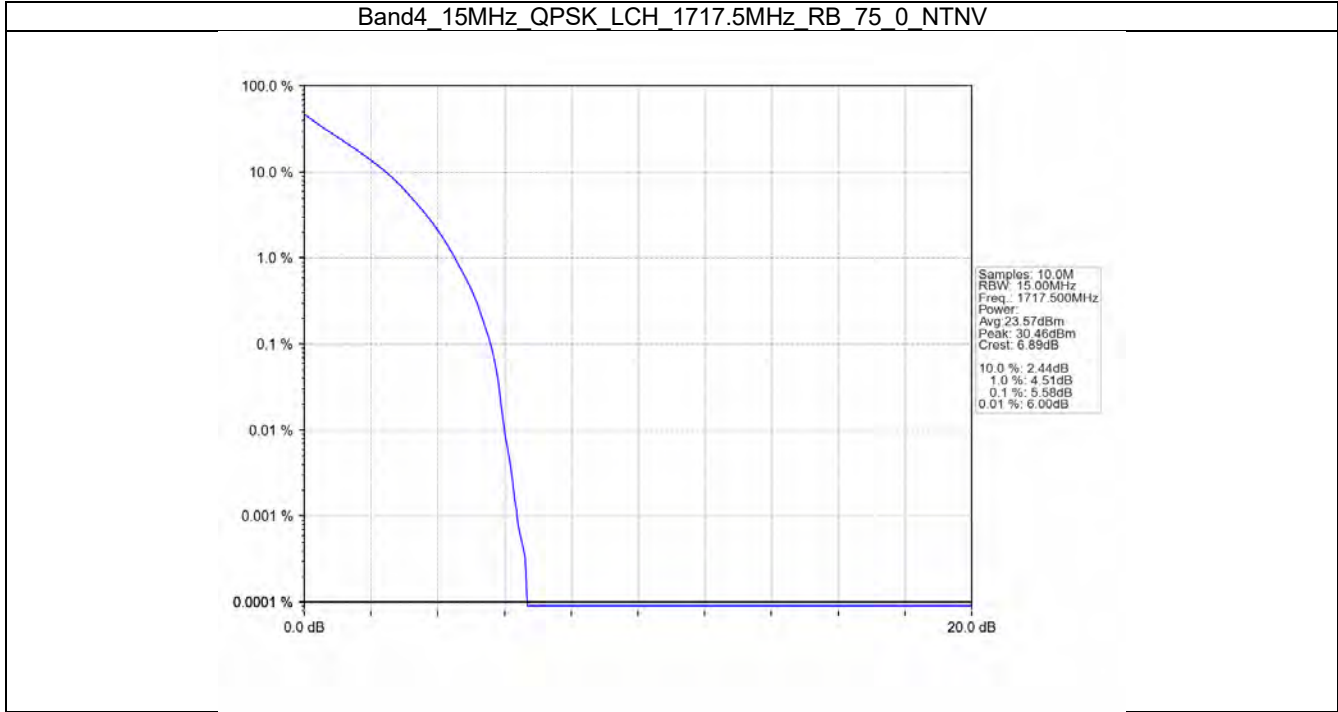
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 124 of 238

5.5.2 Test Graph



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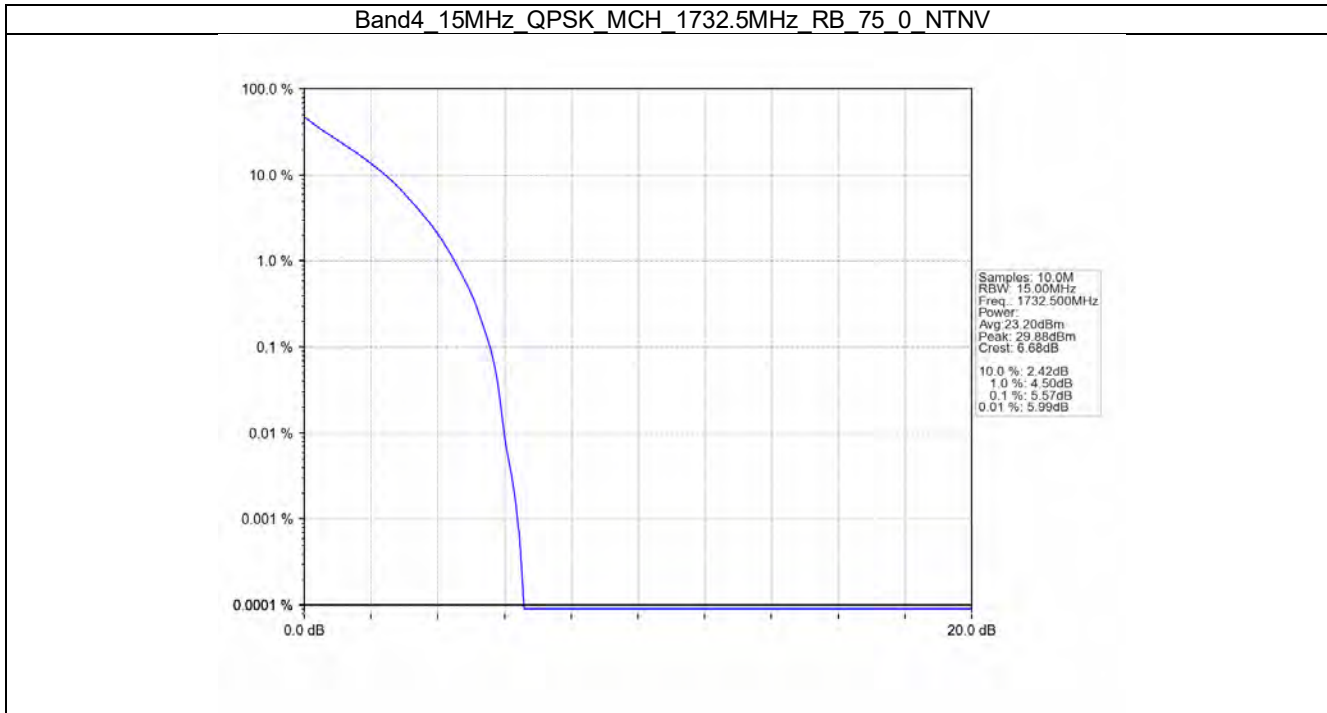
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Report No.: SZCR240200059401
Rev.: 01
Page: 125 of 238

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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