



Report No.: SZCR240100038408
Rev.: 01
Page: 1 of 504

Appendix B.9

LTE Band 25



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Report No.: SZCR240100038408

Rev.: 01

Page: 2 of 504

1. Effective (Isotropic) Radiated Power Output Data

1.1 B25_1.4MHz_EIRP

1.1.1 Test Result

Band: 25 / Bandwidth: 1.4MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1850.7	1	0	22.75	1.1	23.85	<=33.01	Pass	
			2	22.84	1.1	23.94	<=33.01	Pass	
			5	22.74	1.1	23.84	<=33.01	Pass	
		3	0	22.84	1.1	23.94	<=33.01	Pass	
			2	22.88	1.1	23.98	<=33.01	Pass	
			3	22.80	1.1	23.9	<=33.01	Pass	
	6	0	21.85	1.1	22.95	<=33.01	Pass		
	1882.5	1	0	22.88	1.1	23.98	<=33.01	Pass	
			2	22.93	1.1	24.03	<=33.01	Pass	
			5	22.85	1.1	23.95	<=33.01	Pass	
		3	0	22.88	1.1	23.98	<=33.01	Pass	
			2	22.93	1.1	24.03	<=33.01	Pass	
			3	22.89	1.1	23.99	<=33.01	Pass	
	6	0	21.97	1.1	23.07	<=33.01	Pass		
	1914.3	1	0	22.91	1.1	24.01	<=33.01	Pass	
			2	23.01	1.1	24.11	<=33.01	Pass	
			5	22.88	1.1	23.98	<=33.01	Pass	
		3	0	22.90	1.1	24	<=33.01	Pass	
			2	22.93	1.1	24.03	<=33.01	Pass	
			3	22.93	1.1	24.03	<=33.01	Pass	
	6	0	21.96	1.1	23.06	<=33.01	Pass		
	16QAM	1850.7	1	0	21.87	1.1	22.97	<=33.01	Pass
				2	21.97	1.1	23.07	<=33.01	Pass
				5	21.81	1.1	22.91	<=33.01	Pass
3			0	21.99	1.1	23.09	<=33.01	Pass	
			2	22.08	1.1	23.18	<=33.01	Pass	
			3	22.07	1.1	23.17	<=33.01	Pass	
6		0	20.91	1.1	22.01	<=33.01	Pass		
1882.5		1	0	22.16	1.1	23.26	<=33.01	Pass	
			2	22.25	1.1	23.35	<=33.01	Pass	
			5	22.18	1.1	23.28	<=33.01	Pass	
		3	0	21.95	1.1	23.05	<=33.01	Pass	
			2	22.06	1.1	23.16	<=33.01	Pass	
			3	21.95	1.1	23.05	<=33.01	Pass	
6		0	20.98	1.1	22.08	<=33.01	Pass		
1914.3		1	0	22.07	1.1	23.17	<=33.01	Pass	
			2	22.13	1.1	23.23	<=33.01	Pass	



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Report No.: SZCR240100038408

Rev.: 01

Page: 3 of 504

64QAM	1850.7	3	5	22.10	1.1	23.2	<=33.01	Pass		
			0	22.03	1.1	23.13	<=33.01	Pass		
			2	22.10	1.1	23.2	<=33.01	Pass		
		6	3	3	22.02	1.1	23.12	<=33.01	Pass	
				0	20.94	1.1	22.04	<=33.01	Pass	
				1	0	21.24	1.1	22.34	<=33.01	Pass
	1882.5	1850.7	1	2	21.34	1.1	22.44	<=33.01	Pass	
				5	21.17	1.1	22.27	<=33.01	Pass	
				0	21.15	1.1	22.25	<=33.01	Pass	
			3	1	2	21.14	1.1	22.24	<=33.01	Pass
					3	21.10	1.1	22.2	<=33.01	Pass
					0	20.08	1.1	21.18	<=33.01	Pass
1882.5		1	3	0	21.58	1.1	22.68	<=33.01	Pass	
				2	21.69	1.1	22.79	<=33.01	Pass	
				5	21.49	1.1	22.59	<=33.01	Pass	
		6	3	0	21.34	1.1	22.44	<=33.01	Pass	
				2	21.47	1.1	22.57	<=33.01	Pass	
				3	21.30	1.1	22.4	<=33.01	Pass	
1914.3	1882.5	1	0	21.22	1.1	22.32	<=33.01	Pass		
			2	21.16	1.1	22.26	<=33.01	Pass		
			5	21.17	1.1	22.27	<=33.01	Pass		
		3	1	0	21.16	1.1	22.26	<=33.01	Pass	
				2	21.16	1.1	22.26	<=33.01	Pass	
				3	21.18	1.1	22.28	<=33.01	Pass	
	1914.3	1	3	0	21.17	1.1	22.27	<=33.01	Pass	
				2	18.16	1.1	19.26	<=33.01	Pass	
				5	18.22	1.1	19.32	<=33.01	Pass	
		256QAM	1850.7	1	0	18.16	1.1	19.26	<=33.01	Pass
					2	18.22	1.1	19.32	<=33.01	Pass
					5	18.21	1.1	19.31	<=33.01	Pass
3	1			0	18.06	1.1	19.16	<=33.01	Pass	
				2	18.11	1.1	19.21	<=33.01	Pass	
				3	18.08	1.1	19.18	<=33.01	Pass	
1882.5	1		3	0	17.96	1.1	19.06	<=33.01	Pass	
				0	18.48	1.1	19.58	<=33.01	Pass	
				2	18.53	1.1	19.63	<=33.01	Pass	
	3		1	5	18.44	1.1	19.54	<=33.01	Pass	
				0	18.32	1.1	19.42	<=33.01	Pass	
				2	18.23	1.1	19.33	<=33.01	Pass	
1914.3	1	3	3	18.32	1.1	19.42	<=33.01	Pass		
			0	18.18	1.1	19.28	<=33.01	Pass		
			0	18.38	1.1	19.48	<=33.01	Pass		
	3	1	2	18.51	1.1	19.61	<=33.01	Pass		
			5	18.42	1.1	19.52	<=33.01	Pass		
			0	18.34	1.1	19.44	<=33.01	Pass		
6	3	2	18.25	1.1	19.35	<=33.01	Pass			
		3	18.32	1.1	19.42	<=33.01	Pass			
		0	18.26	1.1	19.36	<=33.01	Pass			

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240100038408

Rev.: 01

Page: 4 of 504

1.2 B25_3MHz_EIRP

1.2.1 Test Result

Band: 25 / Bandwidth: 3MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1851.5	1	0	22.94	1.1	24.04	<=33.01	Pass		
			7	22.80	1.1	23.9	<=33.01	Pass		
			14	22.84	1.1	23.94	<=33.01	Pass		
		8	0	21.93	1.1	23.03	<=33.01	Pass		
			4	21.97	1.1	23.07	<=33.01	Pass		
			7	21.97	1.1	23.07	<=33.01	Pass		
		15	0	21.95	1.1	23.05	<=33.01	Pass		
		1882.5	1	0	23.05	1.1	24.15	<=33.01	Pass	
				7	22.95	1.1	24.05	<=33.01	Pass	
	14			23.03	1.1	24.13	<=33.01	Pass		
	8		0	22.03	1.1	23.13	<=33.01	Pass		
			4	22.07	1.1	23.17	<=33.01	Pass		
			7	21.99	1.1	23.09	<=33.01	Pass		
	15		0	22.06	1.1	23.16	<=33.01	Pass		
	1913.5		1	0	23.10	1.1	24.2	<=33.01	Pass	
				7	22.99	1.1	24.09	<=33.01	Pass	
		14		23.04	1.1	24.14	<=33.01	Pass		
		8	0	22.12	1.1	23.22	<=33.01	Pass		
			4	22.15	1.1	23.25	<=33.01	Pass		
			7	22.09	1.1	23.19	<=33.01	Pass		
		15	0	22.08	1.1	23.18	<=33.01	Pass		
		16QAM	1851.5	1	0	22.55	1.1	23.65	<=33.01	Pass
					7	22.38	1.1	23.48	<=33.01	Pass
	14				22.51	1.1	23.61	<=33.01	Pass	
8	0			21.11	1.1	22.21	<=33.01	Pass		
	4			21.16	1.1	22.26	<=33.01	Pass		
	7			21.09	1.1	22.19	<=33.01	Pass		
15	0			21.04	1.1	22.14	<=33.01	Pass		
1882.5	1			0	22.17	1.1	23.27	<=33.01	Pass	
				7	22.08	1.1	23.18	<=33.01	Pass	
			14	22.15	1.1	23.25	<=33.01	Pass		
	8		0	21.09	1.1	22.19	<=33.01	Pass		
			4	21.05	1.1	22.15	<=33.01	Pass		
			7	21.06	1.1	22.16	<=33.01	Pass		
	15		0	21.07	1.1	22.17	<=33.01	Pass		
	1913.5		1	0	22.22	1.1	23.32	<=33.01	Pass	
				7	22.16	1.1	23.26	<=33.01	Pass	
14				22.11	1.1	23.21	<=33.01	Pass		



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Report No.: SZCR240100038408

Rev.: 01

Page: 5 of 504

		8	0	21.12	1.1	22.22	<=33.01	Pass	
			4	21.12	1.1	22.22	<=33.01	Pass	
			7	21.14	1.1	22.24	<=33.01	Pass	
		15	0	21.10	1.1	22.2	<=33.01	Pass	
			0	21.60	1.1	22.7	<=33.01	Pass	
			7	21.51	1.1	22.61	<=33.01	Pass	
64QAM	1851.5	1	14	21.64	1.1	22.74	<=33.01	Pass	
			0	20.14	1.1	21.24	<=33.01	Pass	
			4	20.11	1.1	21.21	<=33.01	Pass	
		8	7	20.16	1.1	21.26	<=33.01	Pass	
			0	20.16	1.1	21.26	<=33.01	Pass	
			0	21.21	1.1	22.31	<=33.01	Pass	
	1882.5	1	7	21.30	1.1	22.4	<=33.01	Pass	
			14	21.25	1.1	22.35	<=33.01	Pass	
			0	20.23	1.1	21.33	<=33.01	Pass	
		8	4	20.30	1.1	21.4	<=33.01	Pass	
			7	20.25	1.1	21.35	<=33.01	Pass	
			0	20.07	1.1	21.17	<=33.01	Pass	
	1913.5	1	0	21.62	1.1	22.72	<=33.01	Pass	
			7	21.65	1.1	22.75	<=33.01	Pass	
			14	21.61	1.1	22.71	<=33.01	Pass	
		8	0	21.60	1.1	22.7	<=33.01	Pass	
			4	21.62	1.1	22.72	<=33.01	Pass	
			7	21.60	1.1	22.7	<=33.01	Pass	
			15	0	21.63	1.1	22.73	<=33.01	Pass
				0	18.35	1.1	19.45	<=33.01	Pass
				7	18.29	1.1	19.39	<=33.01	Pass
	256QAM	1851.5	1	14	18.28	1.1	19.38	<=33.01	Pass
				0	18.21	1.1	19.31	<=33.01	Pass
				4	18.23	1.1	19.33	<=33.01	Pass
8			7	18.22	1.1	19.32	<=33.01	Pass	
			0	18.16	1.1	19.26	<=33.01	Pass	
			0	18.03	1.1	19.13	<=33.01	Pass	
1882.5		1	7	18.00	1.1	19.1	<=33.01	Pass	
			14	18.09	1.1	19.19	<=33.01	Pass	
			0	18.13	1.1	19.23	<=33.01	Pass	
		8	4	18.10	1.1	19.2	<=33.01	Pass	
			7	18.12	1.1	19.22	<=33.01	Pass	
			0	18.09	1.1	19.19	<=33.01	Pass	
1913.5		1	0	18.39	1.1	19.49	<=33.01	Pass	
			7	18.42	1.1	19.52	<=33.01	Pass	
			14	18.39	1.1	19.49	<=33.01	Pass	
		8	0	18.29	1.1	19.39	<=33.01	Pass	
			4	18.31	1.1	19.41	<=33.01	Pass	
			7	18.27	1.1	19.37	<=33.01	Pass	
			15	0	18.27	1.1	19.37	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240100038408

Rev.: 01

Page: 6 of 504

1.3 B25_5MHz_EIRP

1.3.1 Test Result

Band: 25 / Bandwidth: 5MHz / NTNv									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1852.5	1	0	23.01	1.1	24.11	<=33.01	Pass	
			13	23.01	1.1	24.11	<=33.01	Pass	
			24	22.98	1.1	24.08	<=33.01	Pass	
		12	0	22.03	1.1	23.13	<=33.01	Pass	
			6	22.04	1.1	23.14	<=33.01	Pass	
			13	22.01	1.1	23.11	<=33.01	Pass	
		25	0	22.07	1.1	23.17	<=33.01	Pass	
		1882.5	1	0	23.09	1.1	24.19	<=33.01	Pass
				13	23.08	1.1	24.18	<=33.01	Pass
	24			23.07	1.1	24.17	<=33.01	Pass	
	12		0	22.12	1.1	23.22	<=33.01	Pass	
			6	22.17	1.1	23.27	<=33.01	Pass	
			13	22.10	1.1	23.2	<=33.01	Pass	
	25		0	22.16	1.1	23.26	<=33.01	Pass	
	1912.5		1	0	23.17	1.1	24.27	<=33.01	Pass
				13	23.12	1.1	24.22	<=33.01	Pass
		24		23.03	1.1	24.13	<=33.01	Pass	
		12	0	22.26	1.1	23.36	<=33.01	Pass	
			6	22.23	1.1	23.33	<=33.01	Pass	
			13	22.19	1.1	23.29	<=33.01	Pass	
	25	0	22.22	1.1	23.32	<=33.01	Pass		
	16QAM	1852.5	1	0	21.97	1.1	23.07	<=33.01	Pass
				13	22.04	1.1	23.14	<=33.01	Pass
				24	21.98	1.1	23.08	<=33.01	Pass
12			0	21.06	1.1	22.16	<=33.01	Pass	
			6	21.03	1.1	22.13	<=33.01	Pass	
			13	21.05	1.1	22.15	<=33.01	Pass	
25			0	21.08	1.1	22.18	<=33.01	Pass	
1882.5			1	0	22.38	1.1	23.48	<=33.01	Pass
				13	22.33	1.1	23.43	<=33.01	Pass
		24		22.34	1.1	23.44	<=33.01	Pass	
		12	0	21.19	1.1	22.29	<=33.01	Pass	
			6	21.19	1.1	22.29	<=33.01	Pass	
			13	21.17	1.1	22.27	<=33.01	Pass	
		25	0	21.09	1.1	22.19	<=33.01	Pass	
		1912.5	1	0	22.33	1.1	23.43	<=33.01	Pass
				13	22.33	1.1	23.43	<=33.01	Pass
24				22.21	1.1	23.31	<=33.01	Pass	
12			0	21.22	1.1	22.32	<=33.01	Pass	
			6	21.19	1.1	22.29	<=33.01	Pass	



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Report No.: SZCR240100038408

Rev.: 01

Page: 7 of 504

			13	21.15	1.1	22.25	<=33.01	Pass
		25	0	21.24	1.1	22.34	<=33.01	Pass
64QAM	1852.5	1	0	21.39	1.1	22.49	<=33.01	Pass
			13	21.43	1.1	22.53	<=33.01	Pass
			24	21.43	1.1	22.53	<=33.01	Pass
			0	21.40	1.1	22.5	<=33.01	Pass
		12	6	21.42	1.1	22.52	<=33.01	Pass
			13	21.40	1.1	22.5	<=33.01	Pass
	25	0	21.42	1.1	22.52	<=33.01	Pass	
	1882.5	1	0	21.36	1.1	22.46	<=33.01	Pass
			13	21.36	1.1	22.46	<=33.01	Pass
			24	21.37	1.1	22.47	<=33.01	Pass
		12	0	21.36	1.1	22.46	<=33.01	Pass
			6	21.36	1.1	22.46	<=33.01	Pass
			13	21.35	1.1	22.45	<=33.01	Pass
	25	0	21.35	1.1	22.45	<=33.01	Pass	
	1912.5	1	0	22.00	1.1	23.1	<=33.01	Pass
			13	21.98	1.1	23.08	<=33.01	Pass
			24	21.97	1.1	23.07	<=33.01	Pass
		12	0	21.99	1.1	23.09	<=33.01	Pass
6			21.97	1.1	23.07	<=33.01	Pass	
13			22.02	1.1	23.12	<=33.01	Pass	
25	0	22.01	1.1	23.11	<=33.01	Pass		
256QAM	1852.5	1	0	18.46	1.1	19.56	<=33.01	Pass
			13	18.52	1.1	19.62	<=33.01	Pass
			24	18.53	1.1	19.63	<=33.01	Pass
		12	0	18.20	1.1	19.3	<=33.01	Pass
			6	18.21	1.1	19.31	<=33.01	Pass
			13	18.19	1.1	19.29	<=33.01	Pass
	25	0	18.14	1.1	19.24	<=33.01	Pass	
	1882.5	1	0	18.05	1.1	19.15	<=33.01	Pass
			13	17.99	1.1	19.09	<=33.01	Pass
			24	18.06	1.1	19.16	<=33.01	Pass
		12	0	18.15	1.1	19.25	<=33.01	Pass
			6	18.09	1.1	19.19	<=33.01	Pass
			13	18.17	1.1	19.27	<=33.01	Pass
	25	0	18.25	1.1	19.35	<=33.01	Pass	
	1912.5	1	0	18.50	1.1	19.6	<=33.01	Pass
			13	18.44	1.1	19.54	<=33.01	Pass
			24	18.37	1.1	19.47	<=33.01	Pass
		12	0	18.34	1.1	19.44	<=33.01	Pass
6			18.33	1.1	19.43	<=33.01	Pass	
13			18.27	1.1	19.37	<=33.01	Pass	
25	0	18.31	1.1	19.41	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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

Report No.: SZCR240100038408

Rev.: 01

Page: 8 of 504

1.4 B25_10MHz_EIRP

1.4.1 Test Result

Band: 25 / Bandwidth: 10MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1855	1	0	22.98	1.1	24.08	<=33.01	Pass		
			25	23.05	1.1	24.15	<=33.01	Pass		
			49	22.99	1.1	24.09	<=33.01	Pass		
		25	0	22.07	1.1	23.17	<=33.01	Pass		
			13	22.09	1.1	23.19	<=33.01	Pass		
			25	22.07	1.1	23.17	<=33.01	Pass		
		50	0	22.07	1.1	23.17	<=33.01	Pass		
			1882.5	1	0	23.11	1.1	24.21	<=33.01	Pass
					25	23.02	1.1	24.12	<=33.01	Pass
	49	23.04			1.1	24.14	<=33.01	Pass		
	1910	25	0	22.20	1.1	23.3	<=33.01	Pass		
			13	22.19	1.1	23.29	<=33.01	Pass		
			25	22.15	1.1	23.25	<=33.01	Pass		
		50	0	22.18	1.1	23.28	<=33.01	Pass		
			1	0	23.26	1.1	24.36	<=33.01	Pass	
				25	23.09	1.1	24.19	<=33.01	Pass	
		49		23.09	1.1	24.19	<=33.01	Pass		
		25	0	22.30	1.1	23.4	<=33.01	Pass		
			13	22.25	1.1	23.35	<=33.01	Pass		
	25		22.17	1.1	23.27	<=33.01	Pass			
	50	0	22.26	1.1	23.36	<=33.01	Pass			
		16QAM	1855	1	0	22.63	1.1	23.73	<=33.01	Pass
					25	22.54	1.1	23.64	<=33.01	Pass
	49				22.65	1.1	23.75	<=33.01	Pass	
25	0			21.15	1.1	22.25	<=33.01	Pass		
	13			21.13	1.1	22.23	<=33.01	Pass		
	25			21.15	1.1	22.25	<=33.01	Pass		
50	0		21.10	1.1	22.2	<=33.01	Pass			
	1882.5		1	0	22.40	1.1	23.5	<=33.01	Pass	
				25	22.28	1.1	23.38	<=33.01	Pass	
49		22.31		1.1	23.41	<=33.01	Pass			
25		0	21.20	1.1	22.3	<=33.01	Pass			
		13	21.17	1.1	22.27	<=33.01	Pass			
		25	21.17	1.1	22.27	<=33.01	Pass			
50	0	21.15	1.1	22.25	<=33.01	Pass				
	1910	1	0	22.32	1.1	23.42	<=33.01	Pass		
			25	22.21	1.1	23.31	<=33.01	Pass		
49			22.13	1.1	23.23	<=33.01	Pass			
25		0	21.36	1.1	22.46	<=33.01	Pass			
		13	21.35	1.1	22.45	<=33.01	Pass			



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Report No.: SZCR240100038408

Rev.: 01

Page: 9 of 504

			25	21.30	1.1	22.4	<=33.01	Pass	
		50	0	21.30	1.1	22.4	<=33.01	Pass	
64QAM	1855	1	0	21.27	1.1	22.37	<=33.01	Pass	
			25	21.27	1.1	22.37	<=33.01	Pass	
			49	21.28	1.1	22.38	<=33.01	Pass	
		25	0	21.27	1.1	22.37	<=33.01	Pass	
			13	21.27	1.1	22.37	<=33.01	Pass	
			25	21.29	1.1	22.39	<=33.01	Pass	
	50	0	21.26	1.1	22.36	<=33.01	Pass		
	1882.5	1	0	21.32	1.1	22.42	<=33.01	Pass	
			25	21.33	1.1	22.43	<=33.01	Pass	
			49	21.35	1.1	22.45	<=33.01	Pass	
		25	0	21.30	1.1	22.4	<=33.01	Pass	
			13	21.35	1.1	22.45	<=33.01	Pass	
			25	21.32	1.1	22.42	<=33.01	Pass	
	50	0	21.30	1.1	22.4	<=33.01	Pass		
	1910	1	0	21.23	1.1	22.33	<=33.01	Pass	
			25	21.16	1.1	22.26	<=33.01	Pass	
			49	21.13	1.1	22.23	<=33.01	Pass	
		25	0	21.15	1.1	22.25	<=33.01	Pass	
			13	21.18	1.1	22.28	<=33.01	Pass	
			25	21.13	1.1	22.23	<=33.01	Pass	
	50	0	21.16	1.1	22.26	<=33.01	Pass		
	256QAM	1855	1	0	18.31	1.1	19.41	<=33.01	Pass
				25	18.29	1.1	19.39	<=33.01	Pass
				49	18.40	1.1	19.5	<=33.01	Pass
25			0	18.19	1.1	19.29	<=33.01	Pass	
			13	18.20	1.1	19.3	<=33.01	Pass	
			25	18.24	1.1	19.34	<=33.01	Pass	
50		0	18.16	1.1	19.26	<=33.01	Pass		
1882.5		1	0	18.51	1.1	19.61	<=33.01	Pass	
			25	18.42	1.1	19.52	<=33.01	Pass	
			49	18.44	1.1	19.54	<=33.01	Pass	
		25	0	18.15	1.1	19.25	<=33.01	Pass	
			13	18.19	1.1	19.29	<=33.01	Pass	
			25	18.16	1.1	19.26	<=33.01	Pass	
50		0	18.18	1.1	19.28	<=33.01	Pass		
1910		1	0	18.14	1.1	19.24	<=33.01	Pass	
			25	17.95	1.1	19.05	<=33.01	Pass	
			49	17.88	1.1	18.98	<=33.01	Pass	
		25	0	18.25	1.1	19.35	<=33.01	Pass	
			13	18.24	1.1	19.34	<=33.01	Pass	
			25	18.16	1.1	19.26	<=33.01	Pass	
50		0	18.24	1.1	19.34	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240100038408

Rev.: 01

Page: 10 of 504

1.5 B25_15MHz_EIRP

1.5.1 Test Result

Band: 25 / Bandwidth: 15MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1857.5	1	0	22.90	1.1	24	<=33.01	Pass		
			38	22.79	1.1	23.89	<=33.01	Pass		
			74	22.94	1.1	24.04	<=33.01	Pass		
		36	0	21.97	1.1	23.07	<=33.01	Pass		
			18	21.96	1.1	23.06	<=33.01	Pass		
			39	21.99	1.1	23.09	<=33.01	Pass		
		75	0	21.98	1.1	23.08	<=33.01	Pass		
		1882.5	1	0	22.94	1.1	24.04	<=33.01	Pass	
				38	22.84	1.1	23.94	<=33.01	Pass	
	74			22.84	1.1	23.94	<=33.01	Pass		
	36		0	22.06	1.1	23.16	<=33.01	Pass		
			18	22.02	1.1	23.12	<=33.01	Pass		
			39	22.02	1.1	23.12	<=33.01	Pass		
	75		0	22.02	1.1	23.12	<=33.01	Pass		
	1907.5		1	0	23.06	1.1	24.16	<=33.01	Pass	
				38	23.02	1.1	24.12	<=33.01	Pass	
		74		22.83	1.1	23.93	<=33.01	Pass		
		36	0	22.08	1.1	23.18	<=33.01	Pass		
			18	22.16	1.1	23.26	<=33.01	Pass		
			39	22.05	1.1	23.15	<=33.01	Pass		
		75	0	22.04	1.1	23.14	<=33.01	Pass		
		16QAM	1857.5	1	0	22.50	1.1	23.6	<=33.01	Pass
					38	22.42	1.1	23.52	<=33.01	Pass
	74				22.53	1.1	23.63	<=33.01	Pass	
	36			0	21.03	1.1	22.13	<=33.01	Pass	
				18	21.01	1.1	22.11	<=33.01	Pass	
				39	21.06	1.1	22.16	<=33.01	Pass	
75	0			20.97	1.1	22.07	<=33.01	Pass		
1882.5	1			0	22.23	1.1	23.33	<=33.01	Pass	
				38	22.13	1.1	23.23	<=33.01	Pass	
			74	22.15	1.1	23.25	<=33.01	Pass		
	36		0	21.06	1.1	22.16	<=33.01	Pass		
			18	21.01	1.1	22.11	<=33.01	Pass		
			39	21.01	1.1	22.11	<=33.01	Pass		
	75		0	21.02	1.1	22.12	<=33.01	Pass		
	1907.5		1	0	22.47	1.1	23.57	<=33.01	Pass	
				38	22.44	1.1	23.54	<=33.01	Pass	
74				22.27	1.1	23.37	<=33.01	Pass		
36			0	21.09	1.1	22.19	<=33.01	Pass		
			18	21.11	1.1	22.21	<=33.01	Pass		



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Report No.: SZCR240100038408

Rev.: 01

Page: 11 of 504

64QAM	1857.5	75	39	21.07	1.1	22.17	<=33.01	Pass	
			0	21.05	1.1	22.15	<=33.01	Pass	
			0	21.19	1.1	22.29	<=33.01	Pass	
		36	1	38	21.21	1.1	22.31	<=33.01	Pass
			74	21.20	1.1	22.3	<=33.01	Pass	
			0	21.19	1.1	22.29	<=33.01	Pass	
	75	18	21.20	1.1	22.3	<=33.01	Pass		
		39	21.14	1.1	22.24	<=33.01	Pass		
		0	21.17	1.1	22.27	<=33.01	Pass		
	1882.5	1	0	21.16	1.1	22.26	<=33.01	Pass	
			38	21.16	1.1	22.26	<=33.01	Pass	
			74	21.14	1.1	22.24	<=33.01	Pass	
		36	0	21.13	1.1	22.23	<=33.01	Pass	
			18	21.15	1.1	22.25	<=33.01	Pass	
			39	21.12	1.1	22.22	<=33.01	Pass	
	75	0	21.14	1.1	22.24	<=33.01	Pass		
	1907.5	1	0	21.37	1.1	22.47	<=33.01	Pass	
			38	21.36	1.1	22.46	<=33.01	Pass	
			74	21.35	1.1	22.45	<=33.01	Pass	
		36	0	21.38	1.1	22.48	<=33.01	Pass	
			18	21.36	1.1	22.46	<=33.01	Pass	
			39	21.38	1.1	22.48	<=33.01	Pass	
	75	0	21.36	1.1	22.46	<=33.01	Pass		
	256QAM	1857.5	1	0	18.05	1.1	19.15	<=33.01	Pass
38				18.01	1.1	19.11	<=33.01	Pass	
74				18.28	1.1	19.38	<=33.01	Pass	
36			0	18.01	1.1	19.11	<=33.01	Pass	
			18	18.10	1.1	19.2	<=33.01	Pass	
			39	18.10	1.1	19.2	<=33.01	Pass	
75		0	18.11	1.1	19.21	<=33.01	Pass		
1882.5		1	0	18.42	1.1	19.52	<=33.01	Pass	
			38	18.23	1.1	19.33	<=33.01	Pass	
			74	18.35	1.1	19.45	<=33.01	Pass	
		36	0	18.11	1.1	19.21	<=33.01	Pass	
			18	18.10	1.1	19.2	<=33.01	Pass	
			39	18.11	1.1	19.21	<=33.01	Pass	
75		0	18.07	1.1	19.17	<=33.01	Pass		
1907.5		1	0	18.28	1.1	19.38	<=33.01	Pass	
			38	18.14	1.1	19.24	<=33.01	Pass	
			74	18.02	1.1	19.12	<=33.01	Pass	
		36	0	18.19	1.1	19.29	<=33.01	Pass	
			18	18.23	1.1	19.33	<=33.01	Pass	
			39	18.13	1.1	19.23	<=33.01	Pass	
75		0	18.06	1.1	19.16	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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

Report No.: SZCR240100038408
Rev.: 01
Page: 12 of 504

1.6 B25_20MHz_EIRP

1.6.1 Test Result

Band: 25 / Bandwidth: 20MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1860	1	0	22.83	1.1	23.93	<=33.01	Pass		
			50	22.81	1.1	23.91	<=33.01	Pass		
			99	22.90	1.1	24	<=33.01	Pass		
		50	0	21.92	1.1	23.02	<=33.01	Pass		
			25	22.02	1.1	23.12	<=33.01	Pass		
			50	22.00	1.1	23.1	<=33.01	Pass		
		100	0	21.97	1.1	23.07	<=33.01	Pass		
		1882.5	1	0	22.96	1.1	24.06	<=33.01	Pass	
				50	22.84	1.1	23.94	<=33.01	Pass	
	99			22.92	1.1	24.02	<=33.01	Pass		
	50		0	22.07	1.1	23.17	<=33.01	Pass		
			25	22.03	1.1	23.13	<=33.01	Pass		
			50	21.99	1.1	23.09	<=33.01	Pass		
	100		0	22.02	1.1	23.12	<=33.01	Pass		
	1905		1	0	22.97	1.1	24.07	<=33.01	Pass	
				50	22.96	1.1	24.06	<=33.01	Pass	
		99		22.80	1.1	23.9	<=33.01	Pass		
		50	0	22.07	1.1	23.17	<=33.01	Pass		
			25	22.12	1.1	23.22	<=33.01	Pass		
			50	22.07	1.1	23.17	<=33.01	Pass		
		100	0	22.10	1.1	23.2	<=33.01	Pass		
		16QAM	1860	1	0	22.15	1.1	23.25	<=33.01	Pass
					50	22.11	1.1	23.21	<=33.01	Pass
	99				22.21	1.1	23.31	<=33.01	Pass	
50	0			20.93	1.1	22.03	<=33.01	Pass		
	25			20.99	1.1	22.09	<=33.01	Pass		
	50			20.98	1.1	22.08	<=33.01	Pass		
100	0			20.97	1.1	22.07	<=33.01	Pass		
1882.5	1			0	22.26	1.1	23.36	<=33.01	Pass	
				50	22.15	1.1	23.25	<=33.01	Pass	
			99	22.23	1.1	23.33	<=33.01	Pass		
	50		0	21.05	1.1	22.15	<=33.01	Pass		
			25	21.05	1.1	22.15	<=33.01	Pass		
			50	20.99	1.1	22.09	<=33.01	Pass		
	100		0	21.04	1.1	22.14	<=33.01	Pass		
	1905		1	0	22.62	1.1	23.72	<=33.01	Pass	
				50	22.61	1.1	23.71	<=33.01	Pass	
99				22.45	1.1	23.55	<=33.01	Pass		
50			0	21.09	1.1	22.19	<=33.01	Pass		
			25	21.10	1.1	22.2	<=33.01	Pass		



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Report No.: SZCR240100038408

Rev.: 01

Page: 13 of 504

64QAM	1860	100	50	21.09	1.1	22.19	<=33.01	Pass		
			0	21.06	1.1	22.16	<=33.01	Pass		
			0	20.97	1.1	22.07	<=33.01	Pass		
		50	50	20.97	1.1	22.07	<=33.01	Pass		
			25	20.96	1.1	22.06	<=33.01	Pass		
			50	20.98	1.1	22.08	<=33.01	Pass		
	1882.5	100	0	20.97	1.1	22.07	<=33.01	Pass		
			0	21.56	1.1	22.66	<=33.01	Pass		
			50	21.50	1.1	22.6	<=33.01	Pass		
		50	99	21.51	1.1	22.61	<=33.01	Pass		
			0	21.52	1.1	22.62	<=33.01	Pass		
			25	21.54	1.1	22.64	<=33.01	Pass		
	1905	100	50	21.52	1.1	22.62	<=33.01	Pass		
			0	21.52	1.1	22.62	<=33.01	Pass		
			0	21.39	1.1	22.49	<=33.01	Pass		
		50	50	21.36	1.1	22.46	<=33.01	Pass		
			99	21.40	1.1	22.5	<=33.01	Pass		
			0	21.38	1.1	22.48	<=33.01	Pass		
	256QAM	1860	100	50	21.37	1.1	22.47	<=33.01	Pass	
				50	21.38	1.1	22.48	<=33.01	Pass	
				0	21.38	1.1	22.48	<=33.01	Pass	
			1882.5	100	0	17.86	1.1	18.96	<=33.01	Pass
					50	17.90	1.1	19	<=33.01	Pass
					99	17.99	1.1	19.09	<=33.01	Pass
50		0		18.01	1.1	19.11	<=33.01	Pass		
		25		18.08	1.1	19.18	<=33.01	Pass		
		50		18.12	1.1	19.22	<=33.01	Pass		
1905		100	0	18.10	1.1	19.2	<=33.01	Pass		
			0	18.67	1.1	19.77	<=33.01	Pass		
			50	18.48	1.1	19.58	<=33.01	Pass		
		50	99	18.67	1.1	19.77	<=33.01	Pass		
			0	18.06	1.1	19.16	<=33.01	Pass		
			25	18.06	1.1	19.16	<=33.01	Pass		
1860		100	50	18.10	1.1	19.2	<=33.01	Pass		
			0	18.09	1.1	19.19	<=33.01	Pass		
			0	18.07	1.1	19.17	<=33.01	Pass		
		50	50	18.03	1.1	19.13	<=33.01	Pass		
			99	17.88	1.1	18.98	<=33.01	Pass		
			0	18.25	1.1	19.35	<=33.01	Pass		
1882.5		100	25	18.19	1.1	19.29	<=33.01	Pass		
			50	18.18	1.1	19.28	<=33.01	Pass		
			0	18.17	1.1	19.27	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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

Report No.: SZCR240100038408

Rev.: 01

Page: 14 of 504

2. Frequency Stability

2.1 B25_1.4MHz

2.1.1 Test Result

Band: 25 / 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	1850.7	6	0	20	3.55	13.704	0.0074	/	Pass	
					4.0	15.464	0.0084	/	Pass	
					4.4	12.360	0.0067	/	Pass	
				-30	4.0	10.986	0.0059	/	Pass	
					-20	4.0	12.403	0.0067	/	Pass
						4.0	11.530	0.0062	/	Pass
				0	4.0	8.569	0.0046	/	Pass	
					4.0	5.636	0.0030	/	Pass	
				30	4.0	4.907	0.0027	/	Pass	
				40	4.0	3.033	0.0016	/	Pass	
	50	4.0	4.621	0.0025	/	Pass				
	1882.5	6	0	20	3.55	14.377	0.0076	/	Pass	
					4.0	13.132	0.0070	/	Pass	
					4.4	10.128	0.0054	/	Pass	
				-30	4.0	9.313	0.0049	/	Pass	
					-20	4.0	9.027	0.0048	/	Pass
						4.0	4.935	0.0026	/	Pass
				0	4.0	6.323	0.0034	/	Pass	
					4.0	6.509	0.0035	/	Pass	
				30	4.0	4.034	0.0021	/	Pass	
				40	4.0	3.362	0.0018	/	Pass	
	50	4.0	2.918	0.0016	/	Pass				
	1914.3	6	0	20	3.55	-24.076	-0.0126	/	Pass	
					4.0	-22.831	-0.0119	/	Pass	
					4.4	-17.338	-0.0091	/	Pass	
				-30	4.0	-12.932	-0.0068	/	Pass	
					-20	4.0	-9.699	-0.0051	/	Pass
						4.0	-5.965	-0.0031	/	Pass
				0	4.0	-3.133	-0.0016	/	Pass	
					4.0	-1.888	-0.0010	/	Pass	
30				4.0	-1.459	-0.0008	/	Pass		
40				4.0	-0.472	-0.0002	/	Pass		
50	4.0	1.888	0.0010	/	Pass					
16QAM	1850.7	6	0	20	3.55	3.304	0.0018	/	Pass	
					4.0	3.190	0.0017	/	Pass	
					4.4	2.546	0.0014	/	Pass	
				-30	4.0	1.874	0.0010	/	Pass	



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Report No.: SZCR240100038408

Rev.: 01

Page: 15 of 504

64QAM	1882.5	6	0	-20	4.0	2.160	0.0012	/	Pass		
				-10	4.0	1.073	0.0006	/	Pass		
				0	4.0	3.362	0.0018	/	Pass		
				10	4.0	3.147	0.0017	/	Pass		
				30	4.0	3.376	0.0018	/	Pass		
				40	4.0	2.289	0.0012	/	Pass		
				50	4.0	1.488	0.0008	/	Pass		
	1882.5	6	0	20	3.55	3.119	0.0017	/	Pass		
					4.0	3.090	0.0016	/	Pass		
					4.4	1.831	0.0010	/	Pass		
				-30	4.0	2.789	0.0015	/	Pass		
				-20	4.0	3.777	0.0020	/	Pass		
				-10	4.0	2.060	0.0011	/	Pass		
				0	4.0	2.189	0.0012	/	Pass		
				10	4.0	2.518	0.0013	/	Pass		
				30	4.0	2.289	0.0012	/	Pass		
				40	4.0	3.047	0.0016	/	Pass		
				50	4.0	1.760	0.0009	/	Pass		
	1914.3	6	0	20	3.55	-1.760	-0.0009	/	Pass		
					4.0	0.129	0.0001	/	Pass		
					4.4	1.273	0.0007	/	Pass		
				-30	4.0	1.359	0.0007	/	Pass		
				-20	4.0	0.257	0.0001	/	Pass		
				-10	4.0	1.130	0.0006	/	Pass		
				0	4.0	1.073	0.0006	/	Pass		
				10	4.0	2.418	0.0013	/	Pass		
				30	4.0	2.789	0.0015	/	Pass		
				40	4.0	1.259	0.0007	/	Pass		
50				4.0	2.961	0.0015	/	Pass			
1850.7	6	0	20	3.55	8.969	0.0048	/	Pass			
				4.0	8.700	0.0047	/	Pass			
				4.4	10.597	0.0057	/	Pass			
			-30	4.0	7.227	0.0039	/	Pass			
			-20	4.0	8.047	0.0043	/	Pass			
			-10	4.0	7.946	0.0043	/	Pass			
			0	4.0	7.036	0.0038	/	Pass			
			10	4.0	4.693	0.0025	/	Pass			
			30	4.0	5.098	0.0028	/	Pass			
			40	4.0	5.192	0.0028	/	Pass			
			50	4.0	3.761	0.0020	/	Pass			
			1882.5	6	0	20	3.55	2.208	0.0012	/	Pass
							4.0	1.873	0.0010	/	Pass
							4.4	3.094	0.0016	/	Pass
-30	4.0	4.119				0.0022	/	Pass			
-20	4.0	2.559				0.0014	/	Pass			
-10	4.0	2.674				0.0014	/	Pass			
0	4.0	3.234				0.0017	/	Pass			
10	4.0	2.577	0.0014	/	Pass						



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Report No.: SZCR240100038408

Rev.: 01

Page: 16 of 504

				30	4.0	3.890	0.0021	/	Pass			
				40	4.0	2.985	0.0016	/	Pass			
				50	4.0	2.258	0.0012	/	Pass			
1914.3	6	0	20	3.55	-23.496	-0.0123	/	/	Pass			
				4.0	-24.571	-0.0128	/	/	Pass			
				4.4	-19.171	-0.0100	/	/	Pass			
						-30	4.0	-20.775	-0.0109	/	Pass	
						-20	4.0	-20.436	-0.0107	/	Pass	
						-10	4.0	-17.890	-0.0093	/	Pass	
						0	4.0	-14.250	-0.0074	/	Pass	
						10	4.0	-14.167	-0.0074	/	Pass	
						30	4.0	-13.253	-0.0069	/	Pass	
						40	4.0	-11.664	-0.0061	/	Pass	
						50	4.0	-9.887	-0.0052	/	Pass	
			256QAM	1850.7	6	0	20	3.55	2.788	0.0015	/	Pass
								4.0	4.214	0.0023	/	Pass
4.4	2.873	0.0016						/	Pass			
							-30	4.0	2.616	0.0014	/	Pass
							-20	4.0	2.622	0.0014	/	Pass
							-10	4.0	2.134	0.0012	/	Pass
							0	4.0	1.665	0.0009	/	Pass
							10	4.0	1.655	0.0009	/	Pass
							30	4.0	1.860	0.0010	/	Pass
1882.5	6	0		20	3.55	1.941	0.0010	/	Pass			
					4.0	2.557	0.0014	/	Pass			
					4.4	2.003	0.0011	/	Pass			
							-30	4.0	1.550	0.0008	/	Pass
							-20	4.0	1.351	0.0007	/	Pass
							-10	4.0	1.983	0.0011	/	Pass
							0	4.0	1.469	0.0008	/	Pass
							10	4.0	0.400	0.0002	/	Pass
							30	4.0	1.081	0.0006	/	Pass
1914.3	6	0	20	3.55	-7.677	-0.0040	/	Pass				
				4.0	-6.870	-0.0036	/	Pass				
				4.4	-4.060	-0.0021	/	Pass				
						-30	4.0	-4.424	-0.0023	/	Pass	
						-20	4.0	-4.497	-0.0023	/	Pass	
						-10	4.0	-2.821	-0.0015	/	Pass	
						0	4.0	-2.158	-0.0011	/	Pass	
						10	4.0	-1.075	-0.0006	/	Pass	
						30	4.0	-1.615	-0.0008	/	Pass	
						40	4.0	-2.685	-0.0014	/	Pass	
			50	4.0	-0.399	-0.0002	/	Pass				



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Report No.: SZCR240100038408

Rev.: 01

Page: 17 of 504

2.2 B25_3MHz

2.2.1 Test Result

Band: 25 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1851.5	15	0	20	3.55	0.730	0.0004	/	Pass	
					4.0	1.359	0.0007	/	Pass	
					4.4	1.187	0.0006	/	Pass	
				-30	4.0	0.443	0.0002	/	Pass	
					-20	4.0	0.057	0.0000	/	Pass
						4.0	0.772	0.0004	/	Pass
				0	4.0	1.001	0.0005	/	Pass	
					10	4.0	1.230	0.0007	/	Pass
				30	4.0	0.958	0.0005	/	Pass	
					40	4.0	1.073	0.0006	/	Pass
	50	4.0	0.744	0.0004	/	Pass				
	1882.5	15	0	20	3.55	2.246	0.0012	/	Pass	
					4.0	1.016	0.0005	/	Pass	
					4.4	1.287	0.0007	/	Pass	
				-30	4.0	0.873	0.0005	/	Pass	
					-20	4.0	1.287	0.0007	/	Pass
						4.0	-0.143	-0.0001	/	Pass
				0	4.0	1.216	0.0006	/	Pass	
					10	4.0	0.744	0.0004	/	Pass
				30	4.0	0.958	0.0005	/	Pass	
					40	4.0	1.988	0.0011	/	Pass
	50	4.0	0.572	0.0003	/	Pass				
	1913.5	15	0	20	3.55	1.731	0.0009	/	Pass	
					4.0	1.488	0.0008	/	Pass	
					4.4	1.245	0.0007	/	Pass	
				-30	4.0	2.418	0.0013	/	Pass	
					-20	4.0	-0.458	-0.0002	/	Pass
						4.0	1.645	0.0009	/	Pass
				0	4.0	1.602	0.0008	/	Pass	
					10	4.0	1.001	0.0005	/	Pass
30				4.0	0.987	0.0005	/	Pass		
				40	4.0	2.832	0.0015	/	Pass	
50	4.0	0.172	0.0001	/	Pass					
16QAM	1851.5	15	0	20	3.55	0.930	0.0005	/	Pass	
					4.0	1.345	0.0007	/	Pass	
					4.4	0.887	0.0005	/	Pass	
				-30	4.0	0.501	0.0003	/	Pass	
					-20	4.0	-0.529	-0.0003	/	Pass
						4.0	1.216	0.0007	/	Pass
0	4.0	1.559	0.0008	/	Pass					



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Report No.: SZCR240100038408

Rev.: 01

Page: 18 of 504

64QAM	1882.5	15	0	10	4.0	0.544	0.0003	/	Pass
				30	4.0	0.401	0.0002	/	Pass
				40	4.0	0.186	0.0001	/	Pass
				50	4.0	0.429	0.0002	/	Pass
				20	3.55	0.443	0.0002	/	Pass
					4.0	1.602	0.0009	/	Pass
					4.4	1.745	0.0009	/	Pass
				-30	4.0	0.572	0.0003	/	Pass
				-20	4.0	0.300	0.0002	/	Pass
				-10	4.0	-1.016	-0.0005	/	Pass
				0	4.0	1.173	0.0006	/	Pass
				10	4.0	0.257	0.0001	/	Pass
	30	4.0	0.916	0.0005	/	Pass			
	40	4.0	2.189	0.0012	/	Pass			
	50	4.0	1.302	0.0007	/	Pass			
	1913.5	15	0	20	3.55	1.273	0.0007	/	Pass
					4.0	1.559	0.0008	/	Pass
					4.4	0.858	0.0004	/	Pass
				-30	4.0	1.388	0.0007	/	Pass
				-20	4.0	1.903	0.0010	/	Pass
				-10	4.0	1.731	0.0009	/	Pass
				0	4.0	1.330	0.0007	/	Pass
				10	4.0	2.961	0.0015	/	Pass
				30	4.0	0.043	0.0000	/	Pass
40				4.0	0.930	0.0005	/	Pass	
50				4.0	1.044	0.0005	/	Pass	
1851.5				15	0	20	3.55	-0.446	-0.0002
	4.0	-0.297	-0.0002				/	Pass	
	4.4	0.185	0.0001				/	Pass	
	-30	4.0	-0.549			-0.0003	/	Pass	
	-20	4.0	-0.400			-0.0002	/	Pass	
	-10	4.0	-0.370			-0.0002	/	Pass	
	0	4.0	0.444			0.0002	/	Pass	
	10	4.0	-0.743			-0.0004	/	Pass	
	30	4.0	0.456			0.0002	/	Pass	
	40	4.0	-0.108			-0.0001	/	Pass	
	50	4.0	-0.498			-0.0003	/	Pass	
	1882.5	15	0			20	3.55	-0.584	-0.0003
4.0				-1.256	-0.0007		/	Pass	
4.4				-2.064	-0.0011		/	Pass	
-30				4.0	-1.509	-0.0008	/	Pass	
-20				4.0	-2.249	-0.0012	/	Pass	
-10				4.0	-1.519	-0.0008	/	Pass	
0				4.0	-0.793	-0.0004	/	Pass	
10				4.0	-0.784	-0.0004	/	Pass	
30				4.0	-1.679	-0.0009	/	Pass	
40				4.0	-1.063	-0.0006	/	Pass	
50				4.0	-0.322	-0.0002	/	Pass	



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Shenzhen Branch

Report No.: SZCR240100038408

Rev.: 01

Page: 19 of 504

	1913.5	15	0	20	3.55	2.283	0.0012	/	Pass
					4.0	0.516	0.0003	/	Pass
					4.4	2.117	0.0011	/	Pass
				-30	4.0	1.379	0.0007	/	Pass
					-20	4.0	2.187	0.0011	/
				-10	4.0	1.525	0.0008	/	Pass
					0	4.0	2.141	0.0011	/
				10	4.0	1.941	0.0010	/	Pass
					30	4.0	1.571	0.0008	/
				40	4.0	2.523	0.0013	/	Pass
50	4.0	0.516	0.0003		/	Pass			
	1851.5	15	0	20	3.55	-0.875	-0.0005	/	Pass
					4.0	0.315	0.0002	/	Pass
					4.4	0.873	0.0005	/	Pass
				-30	4.0	-1.247	-0.0007	/	Pass
					-20	4.0	-0.446	-0.0002	/
				-10	4.0	0.324	0.0002	/	Pass
					0	4.0	0.464	0.0003	/
				10	4.0	-0.440	-0.0002	/	Pass
					30	4.0	-0.066	0.0000	/
				40	4.0	-0.118	-0.0001	/	Pass
50	4.0	-0.788	-0.0004		/	Pass			
256QAM	1882.5	15	0	20	3.55	-1.188	-0.0006	/	Pass
					4.0	-2.194	-0.0012	/	Pass
					4.4	-0.128	-0.0001	/	Pass
				-30	4.0	-1.163	-0.0006	/	Pass
					-20	4.0	-1.424	-0.0008	/
				-10	4.0	-1.183	-0.0006	/	Pass
					0	4.0	-2.158	-0.0011	/
				10	4.0	-0.616	-0.0003	/	Pass
					30	4.0	-0.527	-0.0003	/
				40	4.0	-0.805	-0.0004	/	Pass
50	4.0	-0.420	-0.0002		/	Pass			
	1913.5	15	0	20	3.55	1.432	0.0007	/	Pass
					4.0	1.431	0.0007	/	Pass
					4.4	1.030	0.0005	/	Pass
				-30	4.0	0.623	0.0003	/	Pass
					-20	4.0	1.463	0.0008	/
				-10	4.0	0.656	0.0003	/	Pass
					0	4.0	1.043	0.0005	/
				10	4.0	0.104	0.0001	/	Pass
					30	4.0	0.590	0.0003	/
				40	4.0	0.825	0.0004	/	Pass
50	4.0	2.187	0.0011		/	Pass			

2.3 B25_5MHz



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Report No.: SZCR240100038408

Rev.: 01

Page: 20 of 504

2.3.1 Test Result

Band: 25 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1852.5	25	0	20	3.55	0.014	0.0000	/	Pass	
					4.0	-1.230	-0.0007	/	Pass	
					4.4	-1.059	-0.0006	/	Pass	
				-30	4.0	-0.486	-0.0003	/	Pass	
					-20	4.0	-1.488	-0.0008	/	Pass
						4.0	-0.787	-0.0004	/	Pass
				0	4.0	-1.674	-0.0009	/	Pass	
					4.0	-1.202	-0.0006	/	Pass	
				30	4.0	-2.160	-0.0012	/	Pass	
				40	4.0	-0.772	-0.0004	/	Pass	
	50	4.0	-2.017	-0.0011	/	Pass				
	1882.5	25	0	20	3.55	-0.343	-0.0002	/	Pass	
					4.0	-1.645	-0.0009	/	Pass	
					4.4	-0.887	-0.0005	/	Pass	
				-30	4.0	-1.659	-0.0009	/	Pass	
					-20	4.0	-1.187	-0.0006	/	Pass
						4.0	0.329	0.0002	/	Pass
				0	4.0	-0.086	0.0000	/	Pass	
					4.0	-0.486	-0.0003	/	Pass	
				30	4.0	-1.874	-0.0010	/	Pass	
				40	4.0	-2.489	-0.0013	/	Pass	
	50	4.0	-1.745	-0.0009	/	Pass				
	1912.5	25	0	20	3.55	0.372	0.0002	/	Pass	
					4.0	0.157	0.0001	/	Pass	
					4.4	-0.043	0.0000	/	Pass	
				-30	4.0	1.545	0.0008	/	Pass	
					-20	4.0	-0.114	-0.0001	/	Pass
						4.0	0.415	0.0002	/	Pass
				0	4.0	-1.073	-0.0006	/	Pass	
					4.0	-1.388	-0.0007	/	Pass	
30				4.0	1.602	0.0008	/	Pass		
40				4.0	1.016	0.0005	/	Pass		
50	4.0	-0.229	-0.0001	/	Pass					
16QAM	1852.5	25	0	20	3.55	-1.502	-0.0008	/	Pass	
					4.0	-0.744	-0.0004	/	Pass	
					4.4	-1.659	-0.0009	/	Pass	
				-30	4.0	-0.401	-0.0002	/	Pass	
					-20	4.0	-0.858	-0.0005	/	Pass
						4.0	-1.988	-0.0011	/	Pass
				0	4.0	-2.332	-0.0013	/	Pass	
					4.0	-2.689	-0.0015	/	Pass	
30	4.0	-3.104	-0.0017	/	Pass					
40	4.0	-1.316	-0.0007	/	Pass					



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Shenzhen Branch

Report No.: SZCR240100038408

Rev.: 01

Page: 21 of 504

	1882.5	25	0	50	4.0	0.014	0.0000	/	Pass
				20	3.55	-1.960	-0.0010	/	Pass
					4.0	-1.245	-0.0007	/	Pass
					4.4	-3.090	-0.0016	/	Pass
				-30	4.0	-2.475	-0.0013	/	Pass
				-20	4.0	-1.516	-0.0008	/	Pass
				-10	4.0	-2.332	-0.0012	/	Pass
				0	4.0	-0.958	-0.0005	/	Pass
				10	4.0	-1.531	-0.0008	/	Pass
				30	4.0	-1.860	-0.0010	/	Pass
	40	4.0	-1.044	-0.0006	/	Pass			
	50	4.0	-1.559	-0.0008	/	Pass			
	1912.5	25	0	20	3.55	-0.300	-0.0002	/	Pass
					4.0	1.216	0.0006	/	Pass
					4.4	1.574	0.0008	/	Pass
				-30	4.0	0.672	0.0004	/	Pass
				-20	4.0	0.443	0.0002	/	Pass
				-10	4.0	0.057	0.0000	/	Pass
				0	4.0	-0.486	-0.0003	/	Pass
				10	4.0	0.687	0.0004	/	Pass
30				4.0	1.574	0.0008	/	Pass	
40				4.0	-0.272	-0.0001	/	Pass	
50	4.0	-0.072	0.0000	/	Pass				
64QAM	1852.5	25	0	20	3.55	0.249	0.0001	/	Pass
					4.0	0.300	0.0002	/	Pass
					4.4	0.064	0.0000	/	Pass
				-30	4.0	-0.371	-0.0002	/	Pass
				-20	4.0	-0.602	-0.0003	/	Pass
				-10	4.0	0.301	0.0002	/	Pass
				0	4.0	-0.335	-0.0002	/	Pass
				10	4.0	0.099	0.0001	/	Pass
				30	4.0	0.035	0.0000	/	Pass
				40	4.0	1.844	0.0010	/	Pass
	50	4.0	0.625	0.0003	/	Pass			
	1882.5	25	0	20	3.55	-1.672	-0.0009	/	Pass
					4.0	-1.529	-0.0008	/	Pass
					4.4	-1.264	-0.0007	/	Pass
				-30	4.0	0.399	0.0002	/	Pass
				-20	4.0	-0.642	-0.0003	/	Pass
				-10	4.0	-0.659	-0.0004	/	Pass
				0	4.0	0.428	0.0002	/	Pass
				10	4.0	-0.586	-0.0003	/	Pass
				30	4.0	-0.402	-0.0002	/	Pass
40				4.0	-1.895	-0.0010	/	Pass	
50	4.0	-0.400	-0.0002	/	Pass				
1912.5	25	0	20	3.55	1.307	0.0007	/	Pass	
				4.0	-0.935	-0.0005	/	Pass	
				4.4	0.804	0.0004	/	Pass	



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Report No.: SZCR240100038408

Rev.: 01

Page: 22 of 504

				-30	4.0	-0.065	0.0000	/	Pass	
				-20	4.0	1.289	0.0007	/	Pass	
				-10	4.0	-0.693	-0.0004	/	Pass	
				0	4.0	0.447	0.0002	/	Pass	
				10	4.0	-0.726	-0.0004	/	Pass	
				30	4.0	-0.598	-0.0003	/	Pass	
				40	4.0	0.800	0.0004	/	Pass	
				50	4.0	1.679	0.0009	/	Pass	
256QAM	1852.5	25	0	20	3.55	0.306	0.0002	/	Pass	
					4.0	-0.533	-0.0003	/	Pass	
					4.4	-0.275	-0.0001	/	Pass	
				-30	4.0	0.566	0.0003	/	Pass	
					-20	4.0	-1.686	-0.0009	/	Pass
						4.0	0.808	0.0004	/	Pass
				0	4.0	0.150	0.0001	/	Pass	
					10	4.0	-1.148	-0.0006	/	Pass
				30	4.0	-1.035	-0.0006	/	Pass	
				40	4.0	-0.212	-0.0001	/	Pass	
				50	4.0	0.394	0.0002	/	Pass	
				1882.5	25	0	20	3.55	-1.850	-0.0010
	4.0	-3.240	-0.0017					/	Pass	
	4.4	-1.327	-0.0007					/	Pass	
	-30	4.0	-1.572				-0.0008	/	Pass	
		-20	4.0				-1.340	-0.0007	/	Pass
	-10		4.0				-2.165	-0.0012	/	Pass
		0	4.0				-2.059	-0.0011	/	Pass
	10		4.0				-1.780	-0.0009	/	Pass
	30	4.0	-0.272				-0.0001	/	Pass	
	40	4.0	-2.337				-0.0012	/	Pass	
	50	4.0	-0.245				-0.0001	/	Pass	
	1912.5	25	0				20	3.55	1.799	0.0009
				4.0	-0.788	-0.0004		/	Pass	
4.4				1.104	0.0006	/		Pass		
-30				4.0	-0.775	-0.0004	/	Pass		
				-20	4.0	0.869	0.0005	/	Pass	
-10					4.0	-0.115	-0.0001	/	Pass	
				0	4.0	0.010	0.0000	/	Pass	
10					4.0	0.965	0.0005	/	Pass	
30				4.0	-0.243	-0.0001	/	Pass		
40				4.0	1.523	0.0008	/	Pass		
50				4.0	-0.334	-0.0002	/	Pass		

2.4 B25_10MHz

2.4.1 Test Result



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

Report No.: SZCR240100038408

Rev.: 01

Page: 23 of 504

Band: 25 / Bandwidth: 10MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1855	50	0	20	3.55	-1.345	-0.0007	/	Pass			
					4.0	-1.931	-0.0010	/	Pass			
					4.4	-1.144	-0.0006	/	Pass			
				-30	4.0	-1.645	-0.0009	/	Pass			
					-20	4.0	-0.958	-0.0005	/	Pass		
						4.0	0.300	0.0002	/	Pass		
				0	4.0	-1.330	-0.0007	/	Pass			
					10	4.0	-0.715	-0.0004	/	Pass		
				30	4.0	-0.672	-0.0004	/	Pass			
	40	4.0	-0.858	-0.0005	/	Pass						
	50	4.0	-0.787	-0.0004	/	Pass						
	1882.5	50	0	20	3.55	-2.089	-0.0011	/	Pass			
					4.0	-1.373	-0.0007	/	Pass			
					4.4	-2.561	-0.0014	/	Pass			
				-30	4.0	-2.689	-0.0014	/	Pass			
					-20	4.0	-3.390	-0.0018	/	Pass		
						4.0	-3.376	-0.0018	/	Pass		
				0	4.0	-3.991	-0.0021	/	Pass			
					10	4.0	-2.203	-0.0012	/	Pass		
				30	4.0	-4.063	-0.0022	/	Pass			
	40	4.0	-2.146	-0.0011	/	Pass						
	50	4.0	-2.618	-0.0014	/	Pass						
	1910	50	0	20	3.55	-0.787	-0.0004	/	Pass			
					4.0	-0.672	-0.0004	/	Pass			
					4.4	-0.687	-0.0004	/	Pass			
				-30	4.0	-2.360	-0.0012	/	Pass			
					-20	4.0	-0.587	-0.0003	/	Pass		
4.0						-1.845	-0.0010	/	Pass			
0				4.0	-1.431	-0.0007	/	Pass				
				10	4.0	-1.531	-0.0008	/	Pass			
30				4.0	-2.489	-0.0013	/	Pass				
40	4.0	-2.232	-0.0012	/	Pass							
50	4.0	-0.916	-0.0005	/	Pass							
16QAM	1855	50	0	20	3.55	-2.503	-0.0013	/	Pass			
					4.0	-0.758	-0.0004	/	Pass			
					4.4	0.029	0.0000	/	Pass			
				-30	4.0	-0.687	-0.0004	/	Pass			
					-20	4.0	-1.416	-0.0008	/	Pass		
						4.0	-1.245	-0.0007	/	Pass		
				0	4.0	1.073	0.0006	/	Pass			
					10	4.0	0.372	0.0002	/	Pass		
				30	4.0	-0.815	-0.0004	/	Pass			
				40	4.0	0.472	0.0003	/	Pass			
				50	4.0	-0.429	-0.0002	/	Pass			
				1882.5	50	0	20	3.55	-1.116	-0.0006	/	Pass



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Shenzhen Branch

Report No.: SZCR240100038408

Rev.: 01

Page: 24 of 504

				4.0	-3.047	-0.0016	/	Pass			
				4.4	-1.345	-0.0007	/	Pass			
				-30	4.0	-3.247	-0.0017	/	Pass		
				-20	4.0	-1.931	-0.0010	/	Pass		
				-10	4.0	-2.232	-0.0012	/	Pass		
				0	4.0	-1.774	-0.0009	/	Pass		
				10	4.0	-1.931	-0.0010	/	Pass		
				30	4.0	-2.632	-0.0014	/	Pass		
				40	4.0	-2.146	-0.0011	/	Pass		
	50	4.0	-1.903	-0.0010	/	Pass					
	1910	50	0		20	3.55	-1.888	-0.0010	/	Pass	
					4.0	-2.189	-0.0011	/	Pass		
					4.4	-2.890	-0.0015	/	Pass		
					-30	4.0	-1.903	-0.0010	/	Pass	
					-20	4.0	-2.246	-0.0012	/	Pass	
					-10	4.0	-1.359	-0.0007	/	Pass	
					0	4.0	-2.418	-0.0013	/	Pass	
					10	4.0	-2.146	-0.0011	/	Pass	
30					4.0	-1.588	-0.0008	/	Pass		
40	4.0	-1.173	-0.0006	/	Pass						
50	4.0	-2.947	-0.0015	/	Pass						
64QAM	1855	50	0		20	3.55	0.212	0.0001	/	Pass	
					4.0	0.634	0.0003	/	Pass		
					4.4	-0.838	-0.0005	/	Pass		
					-30	4.0	1.445	0.0008	/	Pass	
					-20	4.0	0.903	0.0005	/	Pass	
					-10	4.0	0.060	0.0000	/	Pass	
					0	4.0	0.146	0.0001	/	Pass	
					10	4.0	-1.673	-0.0009	/	Pass	
					30	4.0	-0.788	-0.0004	/	Pass	
	40	4.0	0.324	0.0002	/	Pass					
	50	4.0	1.256	0.0007	/	Pass					
	1882.5	50	0			20	3.55	-1.681	-0.0009	/	Pass
						4.0	-2.096	-0.0011	/	Pass	
						4.4	-3.052	-0.0016	/	Pass	
						-30	4.0	-3.186	-0.0017	/	Pass
						-20	4.0	-1.592	-0.0008	/	Pass
						-10	4.0	-2.076	-0.0011	/	Pass
						0	4.0	-1.490	-0.0008	/	Pass
						10	4.0	-1.840	-0.0010	/	Pass
						30	4.0	-2.563	-0.0014	/	Pass
	40	4.0	-2.750	-0.0015	/	Pass					
	50	4.0	-2.228	-0.0012	/	Pass					
	1910	50	0			20	3.55	-1.624	-0.0009	/	Pass
						4.0	-0.921	-0.0005	/	Pass	
						4.4	-3.251	-0.0017	/	Pass	
						-30	4.0	-1.431	-0.0007	/	Pass
						-20	4.0	-1.561	-0.0008	/	Pass



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Shenzhen Branch**

Report No.: SZCR240100038408

Rev.: 01

Page: 25 of 504

				-10	4.0	-1.469	-0.0008	/	Pass				
				0	4.0	-1.988	-0.0010	/	Pass				
				10	4.0	-0.490	-0.0003	/	Pass				
				30	4.0	-0.635	-0.0003	/	Pass				
				40	4.0	-1.184	-0.0006	/	Pass				
				50	4.0	-2.941	-0.0015	/	Pass				
256QAM	1855	50	0	20	3.55	-1.014	-0.0005	/	Pass				
					4.0	-0.999	-0.0005	/	Pass				
					4.4	0.198	0.0001	/	Pass				
								-30	4.0	0.583	0.0003	/	Pass
								-20	4.0	1.108	0.0006	/	Pass
								-10	4.0	-0.183	-0.0001	/	Pass
								0	4.0	-2.210	-0.0012	/	Pass
								10	4.0	1.043	0.0006	/	Pass
								30	4.0	-1.169	-0.0006	/	Pass
								40	4.0	-0.311	-0.0002	/	Pass
								50	4.0	-0.757	-0.0004	/	Pass
					1882.5	50	0	20	3.55	-4.076	-0.0022	/	Pass
	4.0	-3.241	-0.0017	/					Pass				
	4.4	-2.004	-0.0011	/					Pass				
								-30	4.0	-1.727	-0.0009	/	Pass
								-20	4.0	-2.924	-0.0016	/	Pass
								-10	4.0	-3.051	-0.0016	/	Pass
								0	4.0	-1.625	-0.0009	/	Pass
								10	4.0	-3.254	-0.0017	/	Pass
								30	4.0	-2.241	-0.0012	/	Pass
								40	4.0	-0.565	-0.0003	/	Pass
								50	4.0	-0.669	-0.0004	/	Pass
		1910	50	0				20	3.55	-2.007	-0.0011	/	Pass
	4.0				-0.394	-0.0002	/		Pass				
	4.4				-1.626	-0.0009	/		Pass				
								-30	4.0	-1.103	-0.0006	/	Pass
								-20	4.0	-1.964	-0.0010	/	Pass
								-10	4.0	-2.811	-0.0015	/	Pass
							0	4.0	-2.110	-0.0011	/	Pass	
							10	4.0	-2.634	-0.0014	/	Pass	
							30	4.0	-2.078	-0.0011	/	Pass	
							40	4.0	-2.808	-0.0015	/	Pass	
							50	4.0	-2.603	-0.0014	/	Pass	

2.5 B25_15MHz

2.5.1 Test Result

Band: 25 / Bandwidth: 15MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict



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Shenzhen Branch

Report No.: SZCR240100038408

Rev.: 01

Page: 26 of 504

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	Pass	
QPSK	1857.5	75	0	20	3.55	-1.087	-0.0006	/	Pass	
					4.0	-0.930	-0.0005	/	Pass	
					4.4	-0.544	-0.0003	/	Pass	
				-30	4.0	-1.187	-0.0006	/	Pass	
					-20	4.0	-2.346	-0.0013	/	Pass
					-10	4.0	0.257	0.0001	/	Pass
				0	4.0	-0.715	-0.0004	/	Pass	
					10	4.0	0.386	0.0002	/	Pass
					30	4.0	-0.672	-0.0004	/	Pass
					40	4.0	0.257	0.0001	/	Pass
					50	4.0	0.300	0.0002	/	Pass
					1882.5	75	0	20	3.55	-1.030
	4.0	-2.089	-0.0011						/	Pass
	4.4	-2.375	-0.0013	/					Pass	
	-30	4.0	-2.017	-0.0011				/	Pass	
		-20	4.0	-1.917				-0.0010	/	Pass
		-10	4.0	-2.117				-0.0011	/	Pass
	0	4.0	-2.031	-0.0011				/	Pass	
		10	4.0	-1.616				-0.0009	/	Pass
		30	4.0	-0.257				-0.0001	/	Pass
		40	4.0	0.157				0.0001	/	Pass
		50	4.0	-1.030				-0.0005	/	Pass
		1907.5	75	0				20	3.55	-0.758
					4.0	0.343	0.0002		/	Pass
	4.4				-0.501	-0.0003	/		Pass	
	-30				4.0	-0.143	-0.0001	/	Pass	
					-20	4.0	-0.286	-0.0001	/	Pass
					-10	4.0	-1.044	-0.0005	/	Pass
	0				4.0	-1.502	-0.0008	/	Pass	
					10	4.0	-0.644	-0.0003	/	Pass
30					4.0	-1.945	-0.0010	/	Pass	
40					4.0	-0.830	-0.0004	/	Pass	
50					4.0	-0.272	-0.0001	/	Pass	
16QAM					1857.5	75	0	20	3.55	-0.787
		4.0	-0.200	-0.0001					/	Pass
	4.4	-1.574	-0.0008	/					Pass	
	-30	4.0	-0.644	-0.0003				/	Pass	
		-20	4.0	-0.572				-0.0003	/	Pass
		-10	4.0	-1.602				-0.0009	/	Pass
	0	4.0	-2.818	-0.0015				/	Pass	
		10	4.0	-2.432				-0.0013	/	Pass
		30	4.0	-1.488				-0.0008	/	Pass
		40	4.0	-2.732				-0.0015	/	Pass
		50	4.0	-2.046				-0.0011	/	Pass
		1882.5	75	0				20	3.55	-1.860
					4.0	-1.559	-0.0008		/	Pass
	4.4				-0.715	-0.0004	/		Pass	



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Shenzhen Branch

Report No.: SZCR240100038408

Rev.: 01

Page: 27 of 504

				-30	4.0	-2.189	-0.0012	/	Pass					
				-20	4.0	-1.559	-0.0008	/	Pass					
				-10	4.0	-1.488	-0.0008	/	Pass					
				0	4.0	-2.246	-0.0012	/	Pass					
				10	4.0	-1.431	-0.0008	/	Pass					
				30	4.0	-2.217	-0.0012	/	Pass					
				40	4.0	-1.502	-0.0008	/	Pass					
	50	4.0	-1.101	-0.0006	/	Pass								
	1907.5	75	0		20	3.55	-2.518	-0.0013	/	Pass				
						4.0	-2.561	-0.0013	/	Pass				
						4.4	-0.715	-0.0004	/	Pass				
									-30	4.0	-0.615	-0.0003	/	Pass
									-20	4.0	-1.287	-0.0007	/	Pass
									-10	4.0	-0.801	-0.0004	/	Pass
0									4.0	-0.873	-0.0005	/	Pass	
10	4.0	-0.358	-0.0002	/	Pass									
30	4.0	-1.788	-0.0009	/	Pass									
40	4.0	-0.129	-0.0001	/	Pass									
50	4.0	-2.646	-0.0014	/	Pass									
64QAM	1857.5	75	0	20	3.55	-0.356	-0.0002	/	Pass					
					4.0	-0.749	-0.0004	/	Pass					
					4.4	-0.978	-0.0005	/	Pass					
								-30	4.0	-0.844	-0.0005	/	Pass	
								-20	4.0	-0.300	-0.0002	/	Pass	
								-10	4.0	-1.430	-0.0008	/	Pass	
								0	4.0	0.128	0.0001	/	Pass	
				10	4.0	0.104	0.0001	/	Pass					
				30	4.0	-0.529	-0.0003	/	Pass					
				40	4.0	-0.637	-0.0003	/	Pass					
				50	4.0	-1.484	-0.0008	/	Pass					
				1882.5	75	0		20	3.55	-1.971	-0.0010	/	Pass	
									4.0	-1.428	-0.0008	/	Pass	
									4.4	-1.246	-0.0007	/	Pass	
									-30	4.0	-2.350	-0.0012	/	Pass
									-20	4.0	-1.010	-0.0005	/	Pass
									-10	4.0	-1.319	-0.0007	/	Pass
									0	4.0	-1.202	-0.0006	/	Pass
	10	4.0	-0.193					-0.0001	/	Pass				
	30	4.0	-0.318					-0.0002	/	Pass				
	40	4.0	-0.899					-0.0005	/	Pass				
	50	4.0	-1.745					-0.0009	/	Pass				
	1907.5	75	0						20	3.55	-0.397	-0.0002	/	Pass
										4.0	0.589	0.0003	/	Pass
										4.4	-0.317	-0.0002	/	Pass
									-30	4.0	-0.407	-0.0002	/	Pass
									-20	4.0	0.443	0.0002	/	Pass
									-10	4.0	-1.307	-0.0007	/	Pass
0									4.0	-1.143	-0.0006	/	Pass	



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

Report No.: SZCR240100038408

Rev.: 01

Page: 28 of 504

				10	4.0	-1.166	-0.0006	/	Pass	
				30	4.0	-0.756	-0.0004	/	Pass	
				40	4.0	-1.690	-0.0009	/	Pass	
				50	4.0	-0.040	0.0000	/	Pass	
256QAM	1857.5	75	0	20	3.55	-2.595	-0.0014	/	Pass	
					4.0	-0.011	0.0000	/	Pass	
					4.4	-1.000	-0.0005	/	Pass	
				-30	4.0	-1.636	-0.0009	/	Pass	
					-20	4.0	-1.514	-0.0008	/	Pass
						4.0	0.493	0.0003	/	Pass
				0	4.0	-0.455	-0.0002	/	Pass	
				10	4.0	-0.672	-0.0004	/	Pass	
				30	4.0	-0.845	-0.0005	/	Pass	
	40	4.0	-0.841	-0.0005	/	Pass				
	50	4.0	-1.820	-0.0010	/	Pass				
	1882.5	75	0	20	3.55	-2.009	-0.0011	/	Pass	
					4.0	-0.873	-0.0005	/	Pass	
					4.4	-1.207	-0.0006	/	Pass	
				-30	4.0	-1.629	-0.0009	/	Pass	
					-20	4.0	-0.892	-0.0005	/	Pass
						4.0	-1.266	-0.0007	/	Pass
				0	4.0	-1.889	-0.0010	/	Pass	
				10	4.0	-1.522	-0.0008	/	Pass	
				30	4.0	-1.155	-0.0006	/	Pass	
	40	4.0	-2.235	-0.0012	/	Pass				
	50	4.0	-0.800	-0.0004	/	Pass				
	1907.5	75	0	20	3.55	0.432	0.0002	/	Pass	
					4.0	-1.564	-0.0008	/	Pass	
					4.4	-0.867	-0.0005	/	Pass	
				-30	4.0	-0.388	-0.0002	/	Pass	
					-20	4.0	-0.573	-0.0003	/	Pass
4.0						-0.095	0.0000	/	Pass	
0				4.0	-0.423	-0.0002	/	Pass		
10				4.0	1.356	0.0007	/	Pass		
30				4.0	0.116	0.0001	/	Pass		
40	4.0	0.207	0.0001	/	Pass					
50	4.0	-1.251	-0.0007	/	Pass					

2.6 B25_20MHz

2.6.1 Test Result

Band: 25 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.55	-1.187	-0.0006	/	Pass



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Shenzhen Branch

Report No.: SZCR240100038408

Rev.: 01

Page: 29 of 504

				4.0	-0.916	-0.0005	/	Pass			
				4.4	-1.659	-0.0009	/	Pass			
				-30	4.0	-1.101	-0.0006	/	Pass		
				-20	4.0	-1.101	-0.0006	/	Pass		
				-10	4.0	-3.304	-0.0018	/	Pass		
				0	4.0	-2.575	-0.0014	/	Pass		
				10	4.0	-1.359	-0.0007	/	Pass		
				30	4.0	-1.431	-0.0008	/	Pass		
				40	4.0	-0.701	-0.0004	/	Pass		
	50	4.0	-2.918	-0.0016	/	Pass					
	1882.5	100	0		20	3.55	-1.645	-0.0009	/	Pass	
					4.0	-2.103	-0.0011	/	Pass		
					4.4	-2.146	-0.0011	/	Pass		
					-30	4.0	-1.645	-0.0009	/	Pass	
					-20	4.0	-2.046	-0.0011	/	Pass	
					-10	4.0	-1.202	-0.0006	/	Pass	
					0	4.0	-2.475	-0.0013	/	Pass	
					10	4.0	-3.133	-0.0017	/	Pass	
30					4.0	-2.375	-0.0013	/	Pass		
40	4.0	-0.715	-0.0004	/	Pass						
50	4.0	-0.572	-0.0003	/	Pass						
1905	100	0		20	3.55	-1.845	-0.0010	/	Pass		
				4.0	-2.546	-0.0013	/	Pass			
				4.4	-1.416	-0.0007	/	Pass			
				-30	4.0	-1.359	-0.0007	/	Pass		
				-20	4.0	-1.574	-0.0008	/	Pass		
				-10	4.0	-1.316	-0.0007	/	Pass		
				0	4.0	-1.960	-0.0010	/	Pass		
				10	4.0	-2.332	-0.0012	/	Pass		
				30	4.0	-2.346	-0.0012	/	Pass		
40	4.0	-2.017	-0.0011	/	Pass						
50	4.0	-2.646	-0.0014	/	Pass						
16QAM	1860	100	0		20	3.55	0.257	0.0001	/	Pass	
					4.0	-1.416	-0.0008	/	Pass		
					4.4	-1.502	-0.0008	/	Pass		
					-30	4.0	-1.945	-0.0010	/	Pass	
					-20	4.0	-2.646	-0.0014	/	Pass	
					-10	4.0	-2.389	-0.0013	/	Pass	
					0	4.0	-2.518	-0.0014	/	Pass	
					10	4.0	-1.702	-0.0009	/	Pass	
					30	4.0	-1.731	-0.0009	/	Pass	
	40	4.0	-2.418	-0.0013	/	Pass					
	50	4.0	-2.661	-0.0014	/	Pass					
	1882.5	100	0			20	3.55	-2.732	-0.0015	/	Pass
						4.0	-0.930	-0.0005	/	Pass	
						4.4	-2.375	-0.0013	/	Pass	
						-30	4.0	-2.332	-0.0012	/	Pass
						-20	4.0	-3.433	-0.0018	/	Pass



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Shenzhen Branch

Report No.: SZCR240100038408

Rev.: 01

Page: 30 of 504

1905	100	0	-10	4.0	-2.575	-0.0014	/	Pass			
			0	4.0	-2.017	-0.0011	/	Pass			
			10	4.0	-2.360	-0.0013	/	Pass			
			30	4.0	-3.419	-0.0018	/	Pass			
			40	4.0	-1.903	-0.0010	/	Pass			
			50	4.0	-1.502	-0.0008	/	Pass			
			20	3.55	-2.761	-0.0014	/	Pass			
				4.0	-1.044	-0.0005	/	Pass			
				4.4	-2.933	-0.0015	/	Pass			
			-30	4.0	-2.661	-0.0014	/	Pass			
			-20	4.0	-2.232	-0.0012	/	Pass			
			-10	4.0	-2.518	-0.0013	/	Pass			
			0	4.0	-3.047	-0.0016	/	Pass			
			10	4.0	-2.346	-0.0012	/	Pass			
			30	4.0	-2.704	-0.0014	/	Pass			
			40	4.0	-2.203	-0.0012	/	Pass			
			50	4.0	-3.519	-0.0018	/	Pass			
			1860	100	0	20	3.55	-0.509	-0.0003	/	Pass
							4.0	-1.789	-0.0010	/	Pass
4.4	-2.430	-0.0013					/	Pass			
-30	4.0	-2.134				-0.0011	/	Pass			
-20	4.0	-1.682				-0.0009	/	Pass			
-10	4.0	-0.477				-0.0003	/	Pass			
0	4.0	-0.725				-0.0004	/	Pass			
10	4.0	-0.867				-0.0005	/	Pass			
30	4.0	-1.633				-0.0009	/	Pass			
40	4.0	-2.280				-0.0012	/	Pass			
50	4.0	-0.007				0.0000	/	Pass			
1882.5	100	0				20	3.55	-2.251	-0.0012	/	Pass
							4.0	-0.669	-0.0004	/	Pass
							4.4	-0.945	-0.0005	/	Pass
						-30	4.0	-0.182	-0.0001	/	Pass
						-20	4.0	-2.757	-0.0015	/	Pass
						-10	4.0	-0.894	-0.0005	/	Pass
						0	4.0	-1.907	-0.0010	/	Pass
						10	4.0	-0.773	-0.0004	/	Pass
			30	4.0	-1.910	-0.0010	/	Pass			
			40	4.0	-1.094	-0.0006	/	Pass			
50	4.0	-0.954	-0.0005	/	Pass						
1905	100	0	20	3.55	-2.111	-0.0011	/	Pass			
				4.0	-1.966	-0.0010	/	Pass			
				4.4	-1.125	-0.0006	/	Pass			
			-30	4.0	-2.487	-0.0013	/	Pass			
			-20	4.0	-0.488	-0.0003	/	Pass			
			-10	4.0	-2.233	-0.0012	/	Pass			
			0	4.0	-2.309	-0.0012	/	Pass			
			10	4.0	-2.518	-0.0013	/	Pass			
			30	4.0	-1.728	-0.0009	/	Pass			



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Shenzhen Branch**

Report No.: SZCR240100038408

Rev.: 01

Page: 31 of 504

256QAM	1860	100	0	40	4.0	-1.644	-0.0009	/	Pass
				50	4.0	-1.716	-0.0009	/	Pass
				20	3.55	-0.976	-0.0005	/	Pass
					4.0	-2.250	-0.0012	/	Pass
					4.4	-0.329	-0.0002	/	Pass
				-30	4.0	-0.142	-0.0001	/	Pass
				-20	4.0	-0.432	-0.0002	/	Pass
				-10	4.0	-1.022	-0.0005	/	Pass
				0	4.0	-1.983	-0.0011	/	Pass
				10	4.0	-1.433	-0.0008	/	Pass
				30	4.0	-0.601	-0.0003	/	Pass
				40	4.0	-1.001	-0.0005	/	Pass
	50	4.0	-1.624	-0.0009	/	Pass			
	1882.5	100	0	20	3.55	-0.906	-0.0005	/	Pass
					4.0	-1.940	-0.0010	/	Pass
					4.4	0.008	0.0000	/	Pass
				-30	4.0	-0.132	-0.0001	/	Pass
				-20	4.0	-0.155	-0.0001	/	Pass
				-10	4.0	-1.538	-0.0008	/	Pass
				0	4.0	-0.759	-0.0004	/	Pass
				10	4.0	0.016	0.0000	/	Pass
				30	4.0	-1.433	-0.0008	/	Pass
				40	4.0	-1.248	-0.0007	/	Pass
				50	4.0	-1.612	-0.0009	/	Pass
				1905	100	0	20	3.55	-1.257
	4.0	-1.786	-0.0009					/	Pass
	4.4	-1.149	-0.0006					/	Pass
	-30	4.0	-0.564				-0.0003	/	Pass
	-20	4.0	-2.524				-0.0013	/	Pass
	-10	4.0	-0.879				-0.0005	/	Pass
0	4.0	-2.907	-0.0015				/	Pass	
10	4.0	-2.336	-0.0012				/	Pass	
30	4.0	-1.386	-0.0007				/	Pass	
40	4.0	-1.586	-0.0008				/	Pass	
50	4.0	-3.510	-0.0018				/	Pass	



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Report No.: SZCR240100038408
Rev.: 01
Page: 32 of 504

3. 99% & 26dB Bandwidth

3.1 Band25_OBW

3.1.1 Test Result

Band: 25 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.099	/	Pass
		1882.5	6	0	1.108	/	Pass
		1914.3	6	0	1.096	/	Pass
	16QAM	1850.7	6	0	1.104	/	Pass
		1882.5	6	0	1.103	/	Pass
		1914.3	6	0	1.103	/	Pass
	64QAM	1850.7	6	0	1.102	/	Pass
		1882.5	6	0	1.102	/	Pass
		1914.3	6	0	1.111	/	Pass
	256QAM	1850.7	6	0	1.112	/	Pass
		1882.5	6	0	1.103	/	Pass
		1914.3	6	0	1.105	/	Pass
3	QPSK	1851.5	15	0	2.746	/	Pass
		1882.5	15	0	2.743	/	Pass
		1913.5	15	0	2.744	/	Pass
	16QAM	1851.5	15	0	2.732	/	Pass
		1882.5	15	0	2.742	/	Pass
		1913.5	15	0	2.751	/	Pass
	64QAM	1851.5	15	0	2.738	/	Pass
		1882.5	15	0	2.729	/	Pass
		1913.5	15	0	2.730	/	Pass
	256QAM	1851.5	15	0	2.747	/	Pass
		1882.5	15	0	2.733	/	Pass
		1913.5	15	0	2.728	/	Pass
5	QPSK	1852.5	25	0	4.573	/	Pass
		1882.5	25	0	4.541	/	Pass
		1912.5	25	0	4.546	/	Pass
	16QAM	1852.5	25	0	4.539	/	Pass
		1882.5	25	0	4.569	/	Pass
		1912.5	25	0	4.555	/	Pass
	64QAM	1852.5	25	0	4.562	/	Pass
		1882.5	25	0	4.554	/	Pass
		1912.5	25	0	4.540	/	Pass
	256QAM	1852.5	25	0	4.555	/	Pass
		1882.5	25	0	4.582	/	Pass
		1912.5	25	0	4.548	/	Pass
10	QPSK	1855	50	0	9.078	/	Pass



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Shenzhen Branch**

Report No.: SZCR240100038408

Rev.: 01

Page: 33 of 504

	16QAM	1882.5	50	0	9.091	/	Pass	
		1910	50	0	9.021	/	Pass	
		1855	50	0	9.052	/	Pass	
	64QAM	1882.5	50	0	9.062	/	Pass	
		1910	50	0	9.028	/	Pass	
		1855	50	0	9.068	/	Pass	
	256QAM	1882.5	50	0	9.058	/	Pass	
		1910	50	0	9.039	/	Pass	
		1855	50	0	9.073	/	Pass	
	15	QPSK	1882.5	75	0	9.077	/	Pass
			1910	50	0	9.040	/	Pass
			1855	50	0	9.073	/	Pass
16QAM		1857.5	75	0	13.595	/	Pass	
		1882.5	75	0	13.563	/	Pass	
		1907.5	75	0	13.536	/	Pass	
64QAM		1857.5	75	0	13.604	/	Pass	
		1882.5	75	0	13.562	/	Pass	
		1907.5	75	0	13.529	/	Pass	
256QAM		1857.5	75	0	13.545	/	Pass	
		1882.5	75	0	13.545	/	Pass	
		1907.5	75	0	13.541	/	Pass	
20	QPSK	1857.5	75	0	13.550	/	Pass	
		1882.5	75	0	13.594	/	Pass	
		1907.5	75	0	13.561	/	Pass	
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		1905	100	0	18.115	/	Pass	
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		1882.5	100	0	18.084	/	Pass	
		1905	100	0	18.120	/	Pass	
	256QAM	1860	100	0	18.132	/	Pass	
		1882.5	100	0	18.147	/	Pass	
		1905	100	0	18.084	/	Pass	
		1860	100	0	18.110	/	Pass	
		1882.5	100	0	18.115	/	Pass	
		1905	100	0	18.121	/	Pass	



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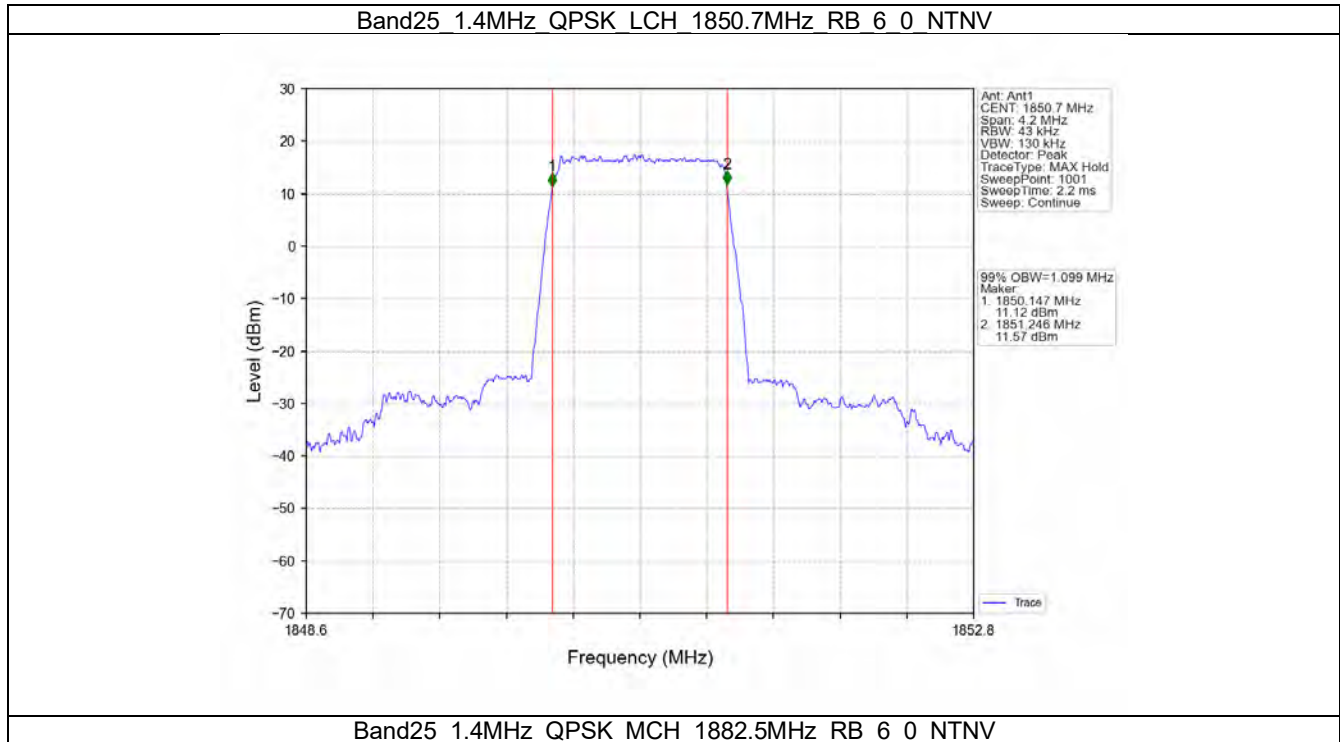
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Report No.: SZCR240100038408

Rev.: 01

Page: 34 of 504

3.1.2 Test Graph



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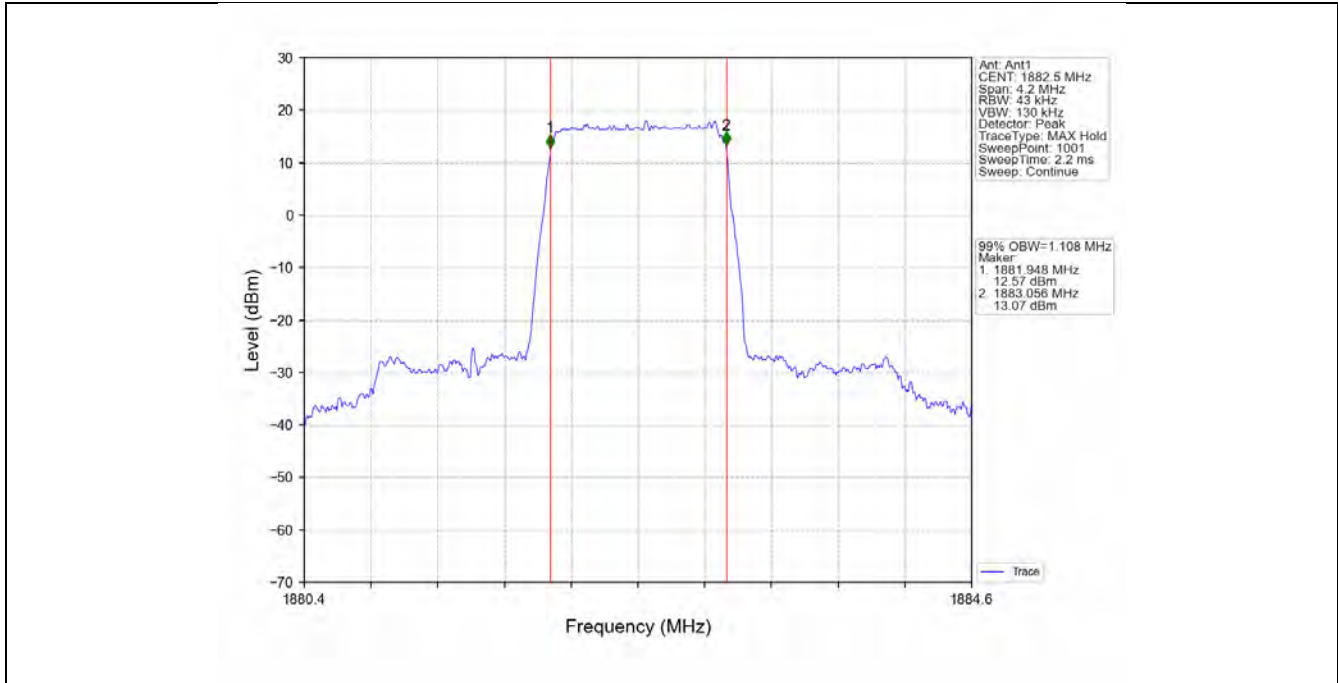


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Report No.: SZCR240100038408

Rev.: 01

Page: 35 of 504



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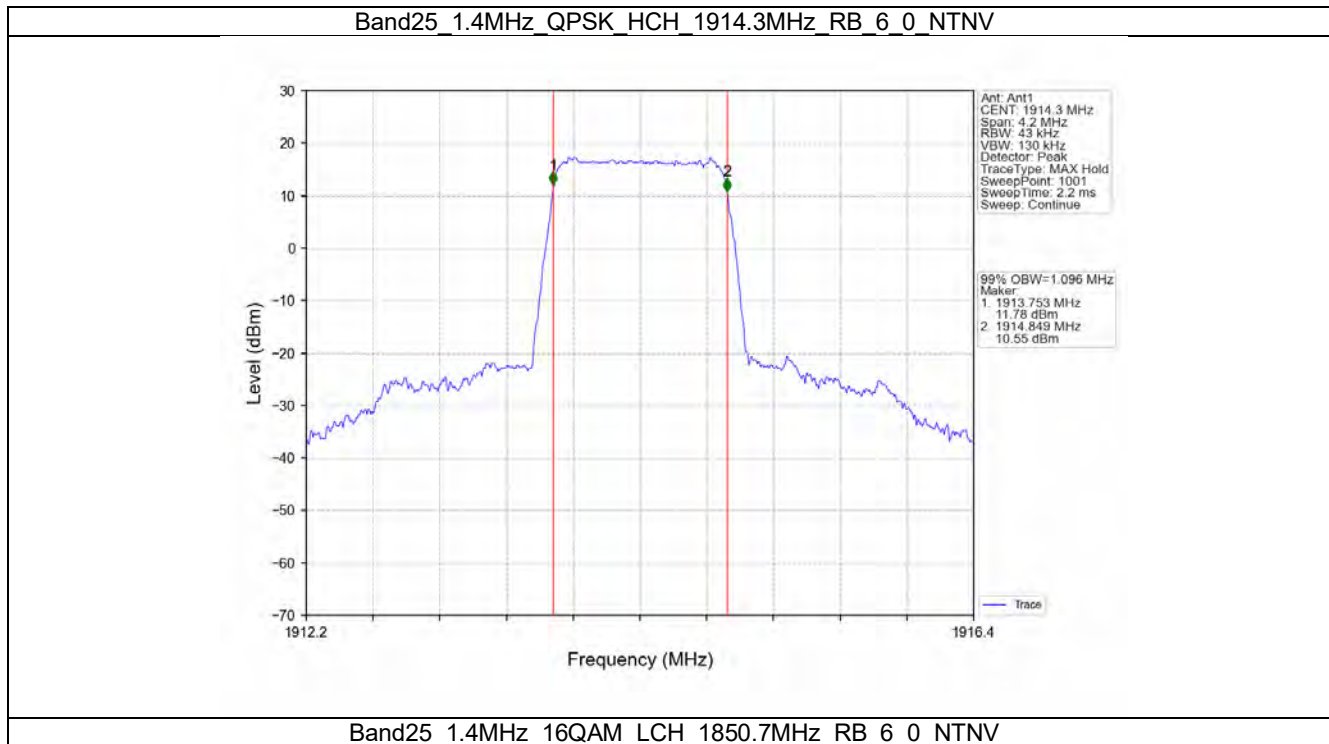
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Report No.: SZCR240100038408
Rev.: 01
Page: 36 of 504



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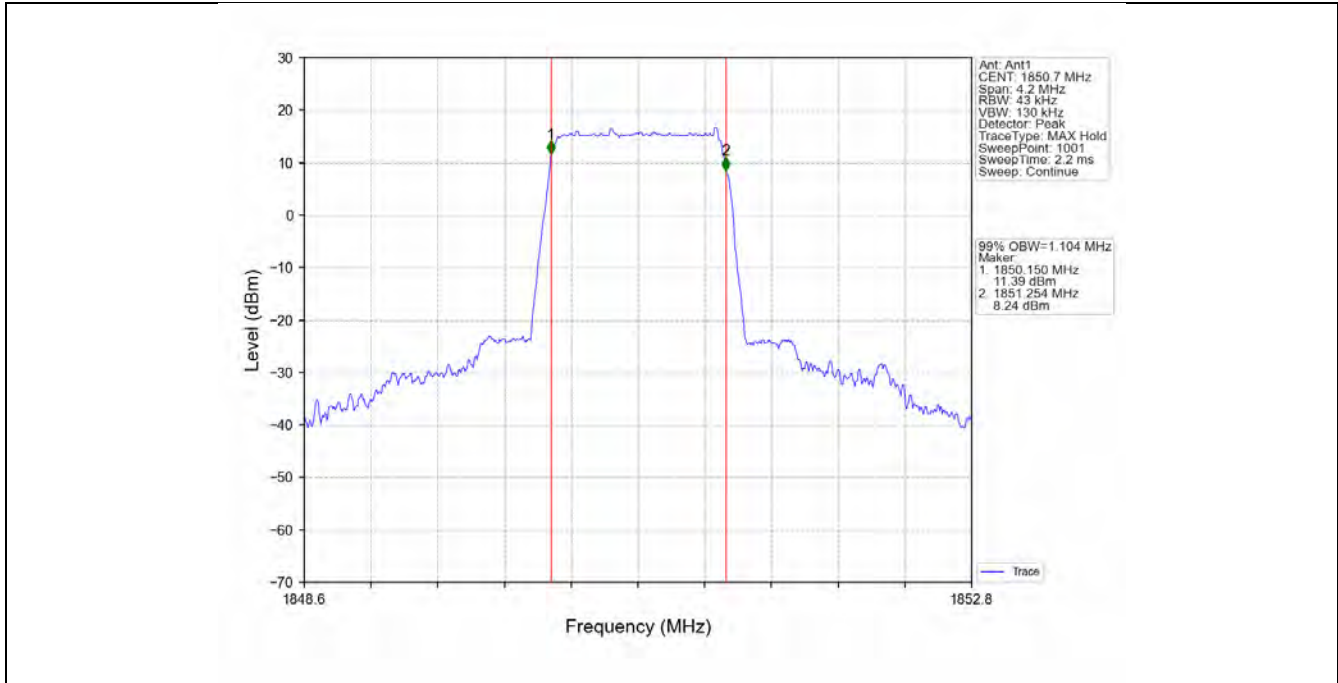


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Report No.: SZCR240100038408

Rev.: 01

Page: 37 of 504



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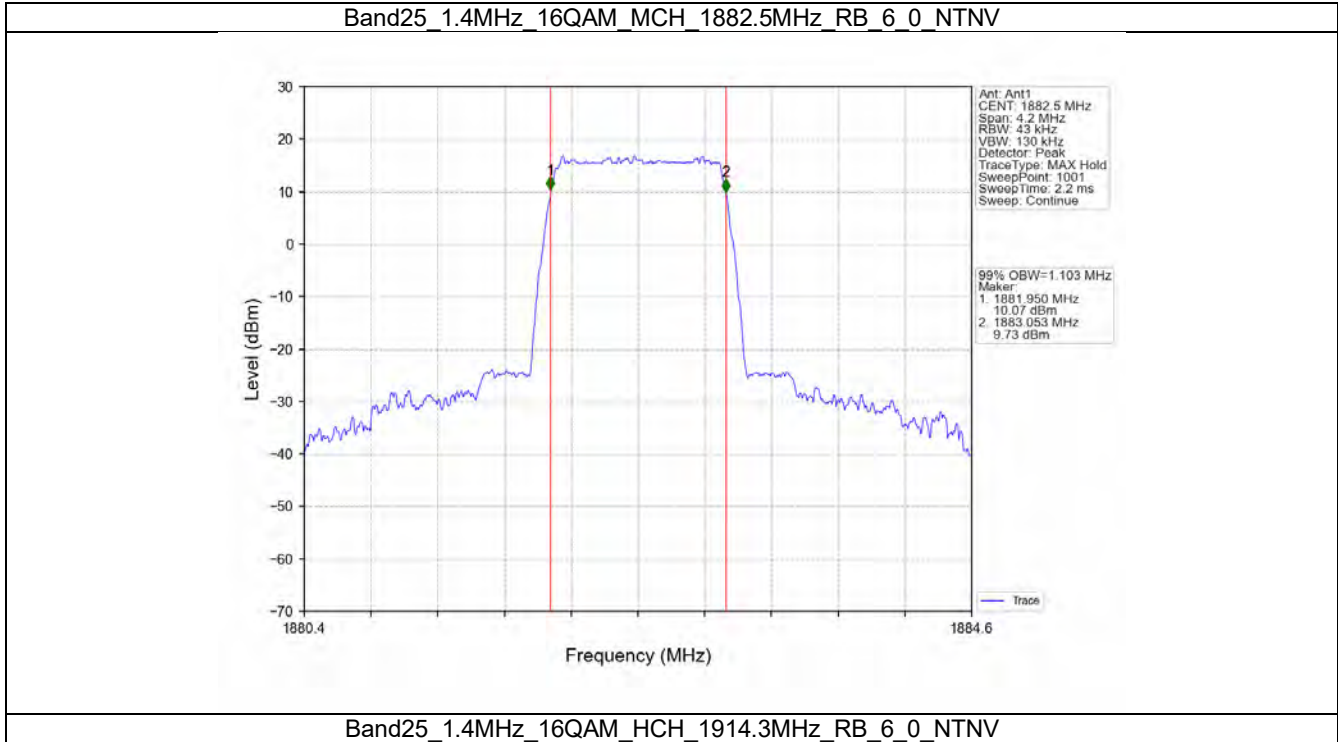


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Report No.: SZCR240100038408

Rev.: 01

Page: 38 of 504



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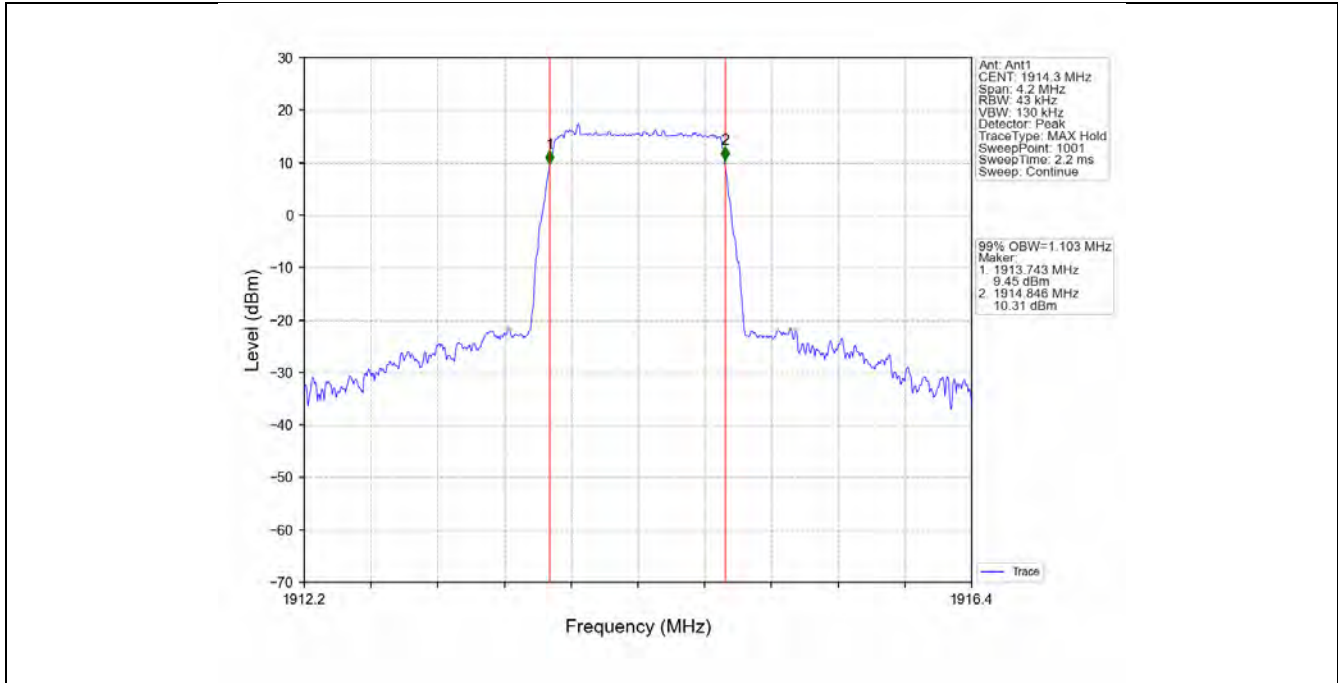


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Report No.: SZCR240100038408

Rev.: 01

Page: 39 of 504



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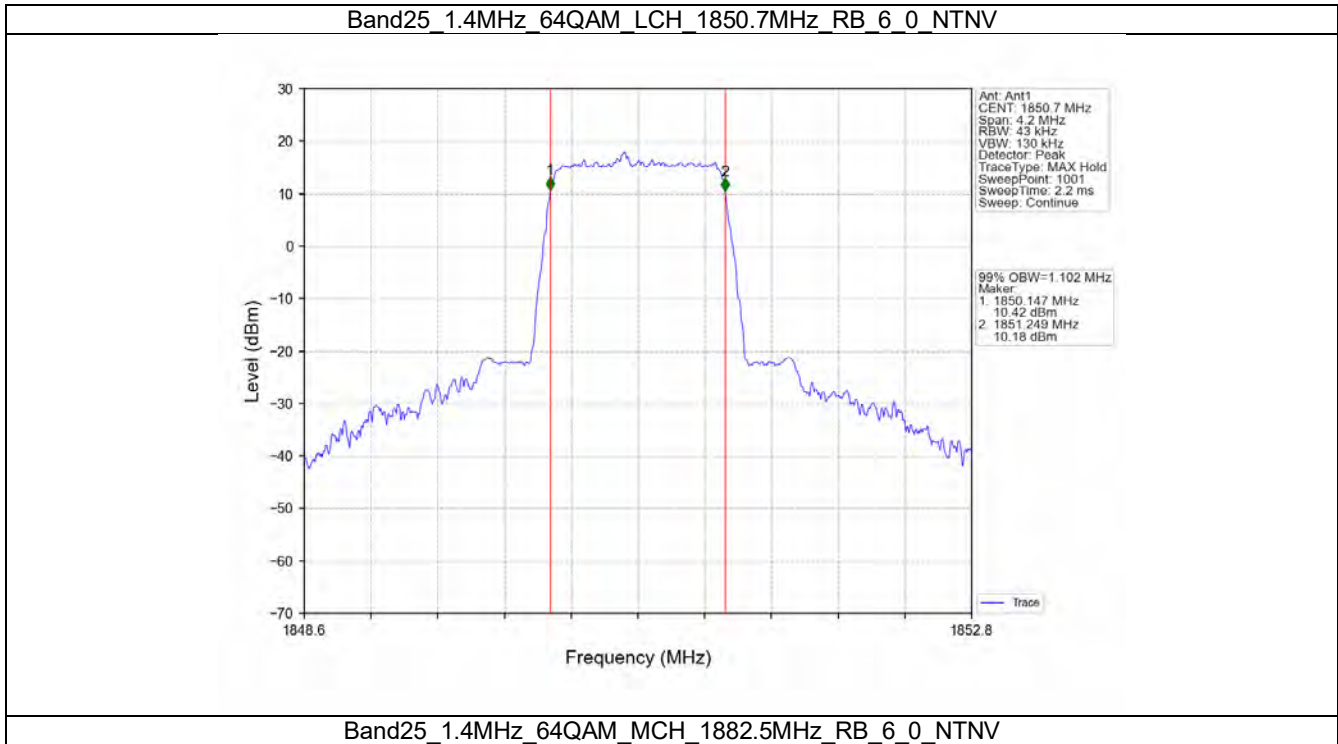


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Report No.: SZCR240100038408

Rev.: 01

Page: 40 of 504



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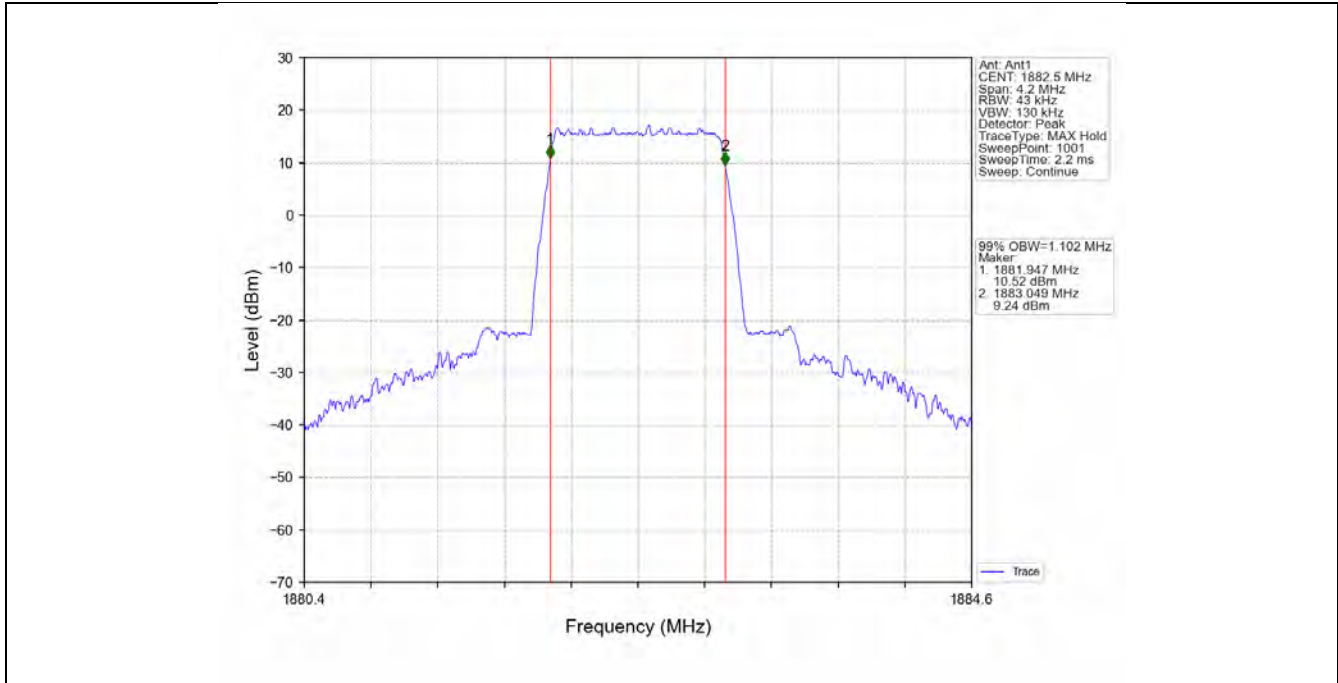


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Rev.: 01

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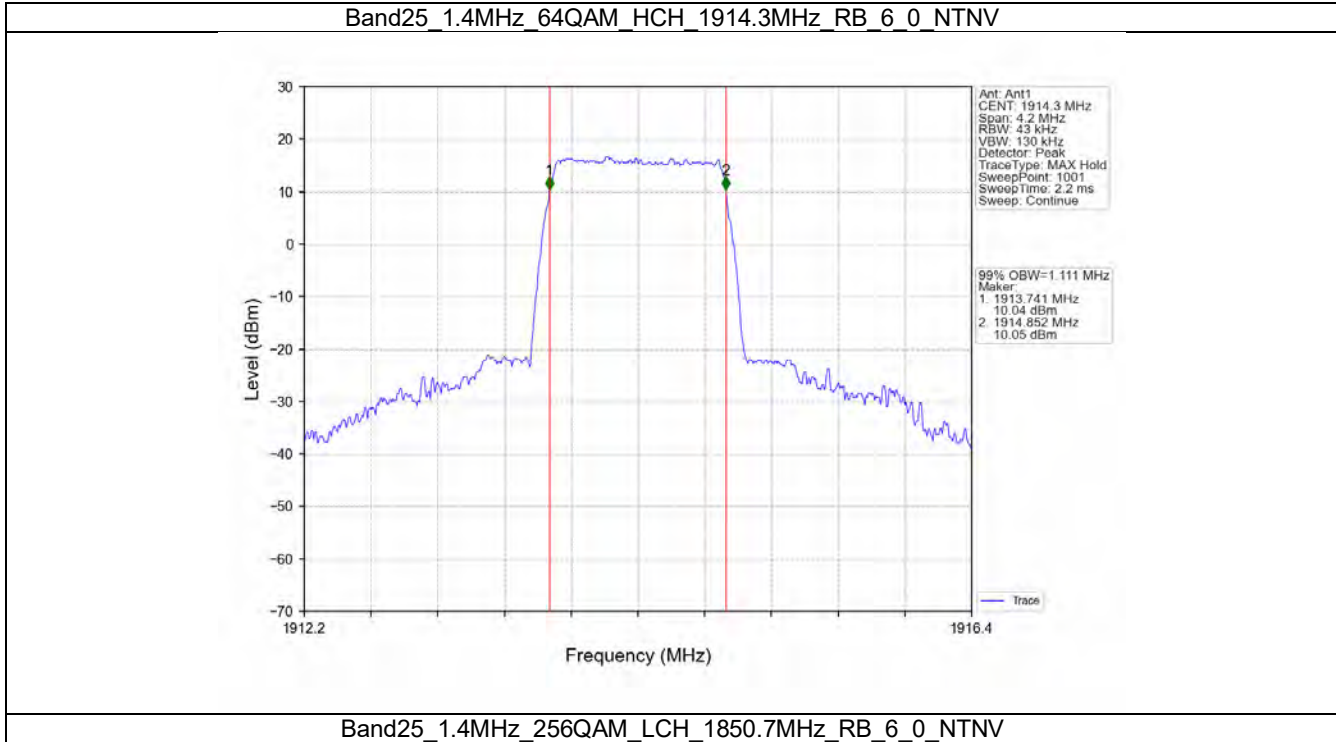


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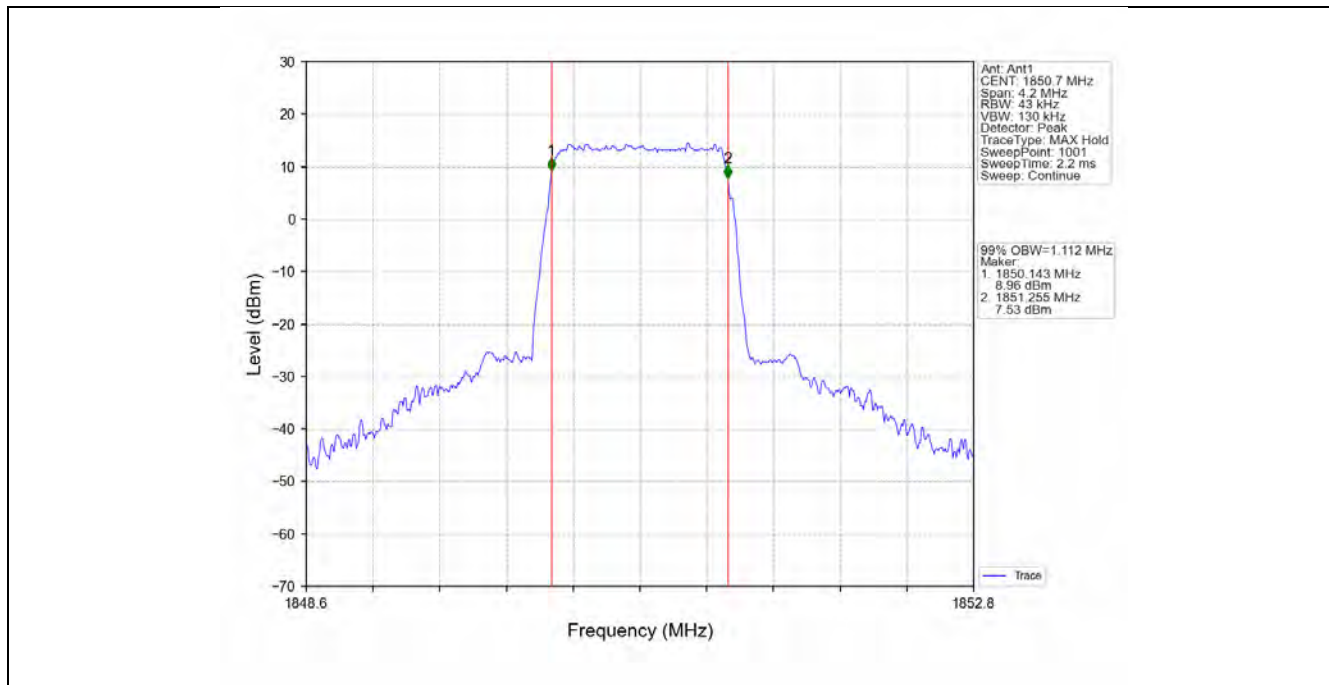
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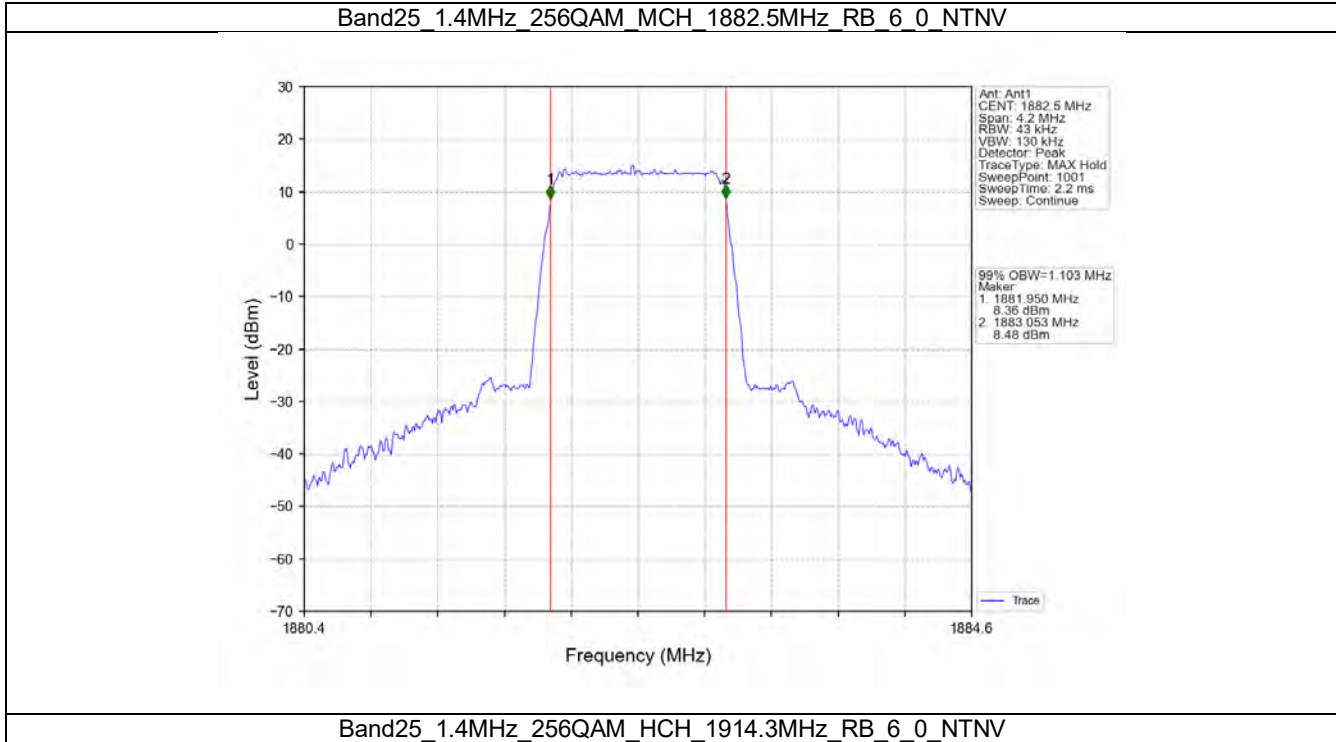


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Rev.: 01

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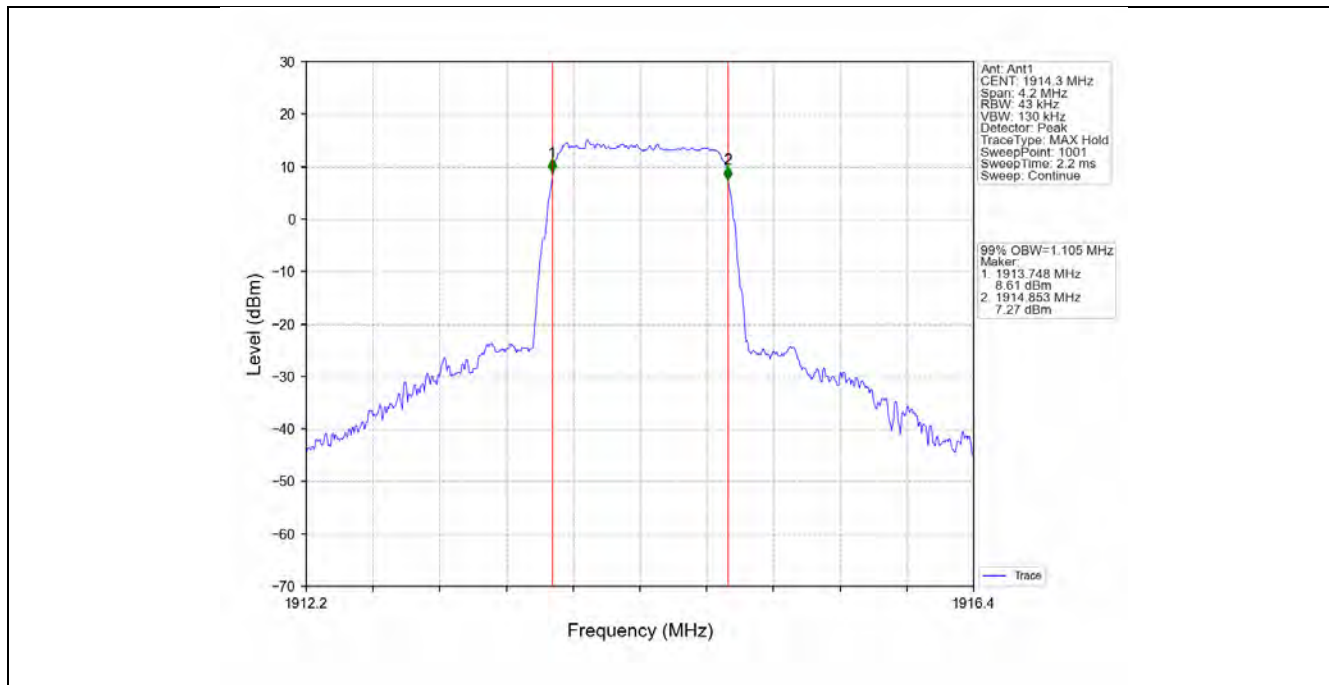
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Report No.: SZCR240100038408
Rev.: 01
Page: 45 of 504



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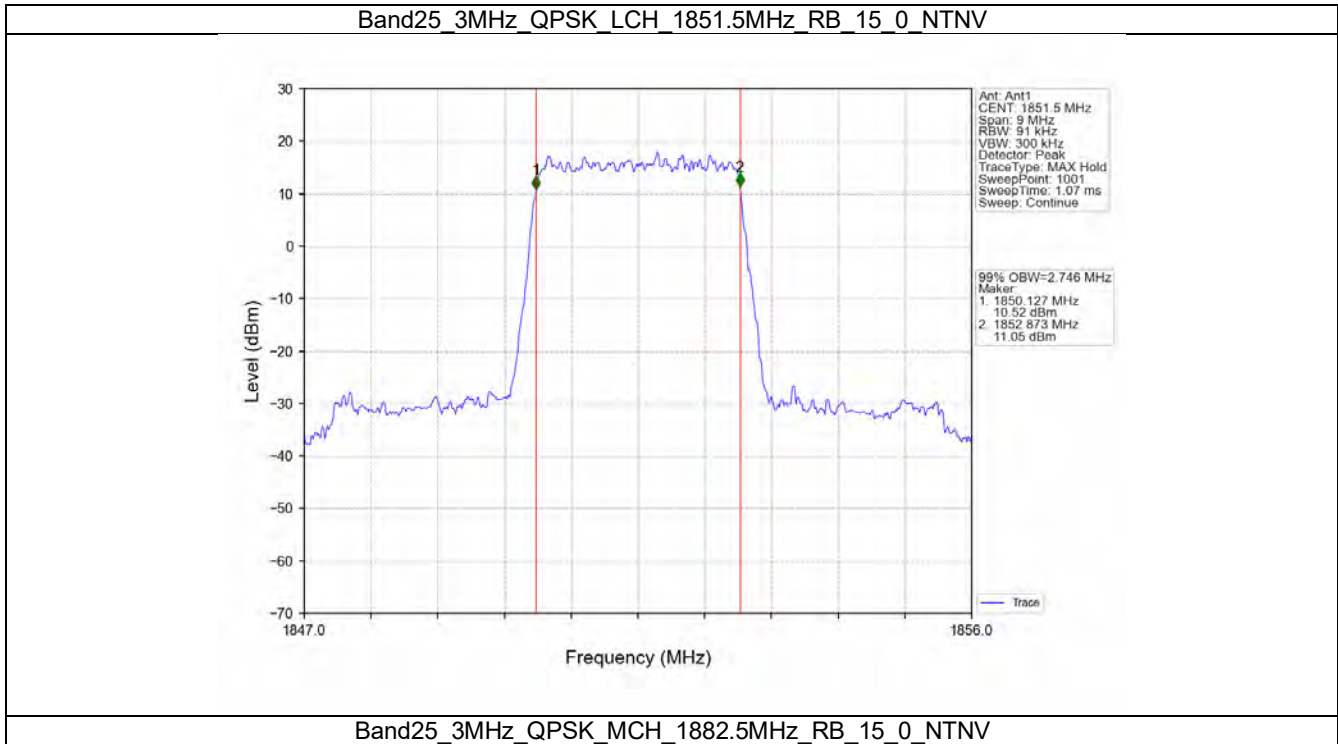


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Report No.: SZCR240100038408

Rev.: 01

Page: 46 of 504



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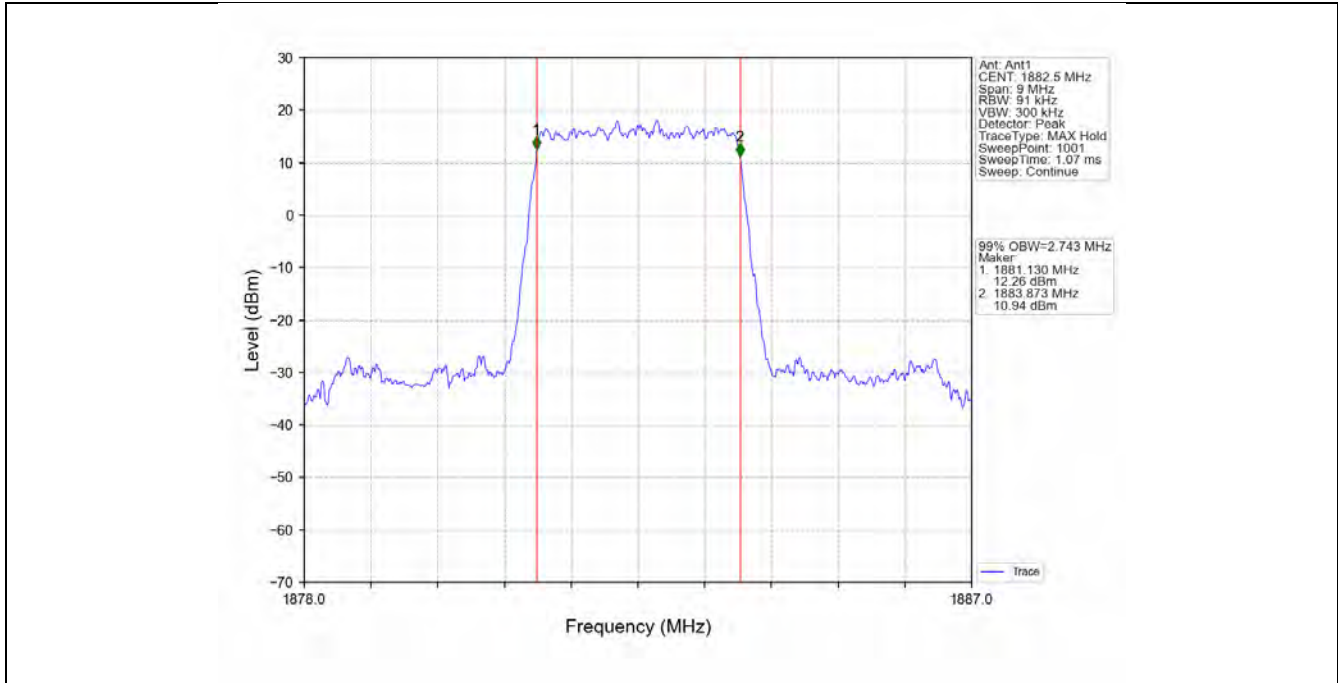


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Report No.: SZCR240100038408

Rev.: 01

Page: 47 of 504



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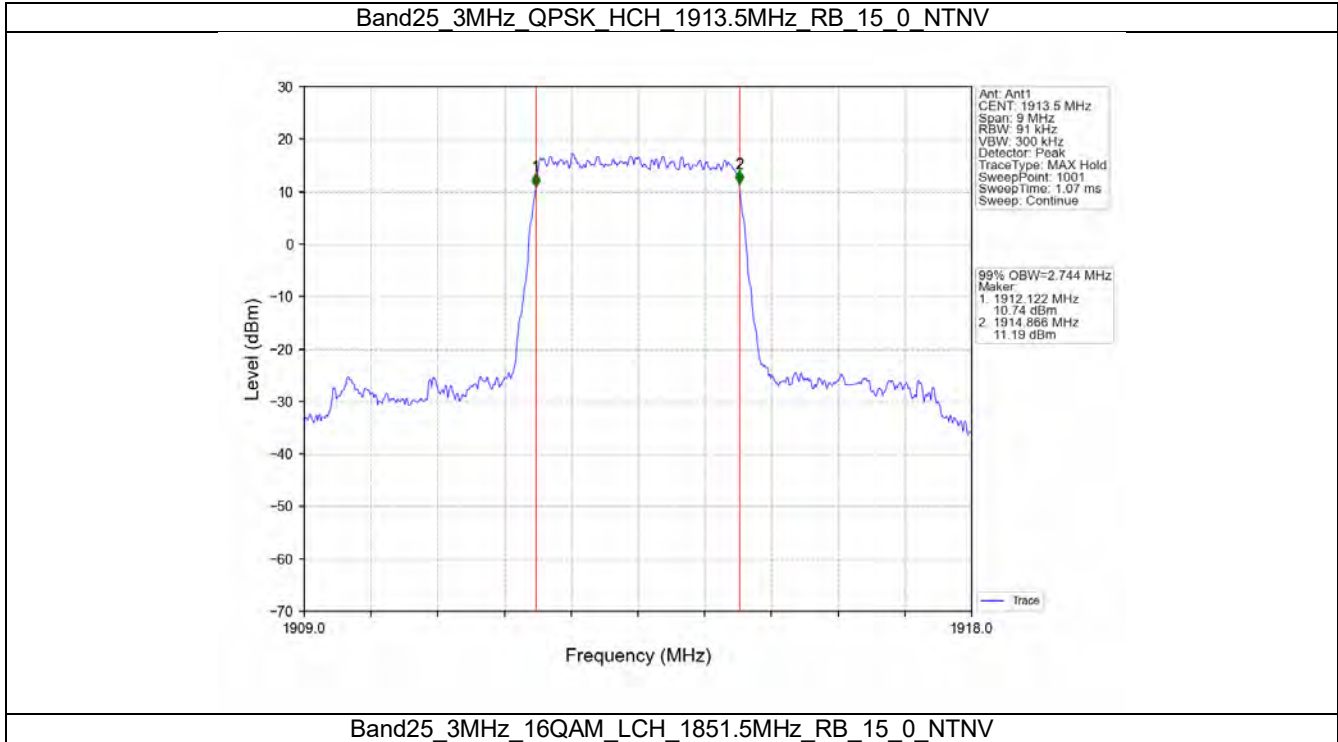


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Report No.: SZCR240100038408

Rev.: 01

Page: 48 of 504



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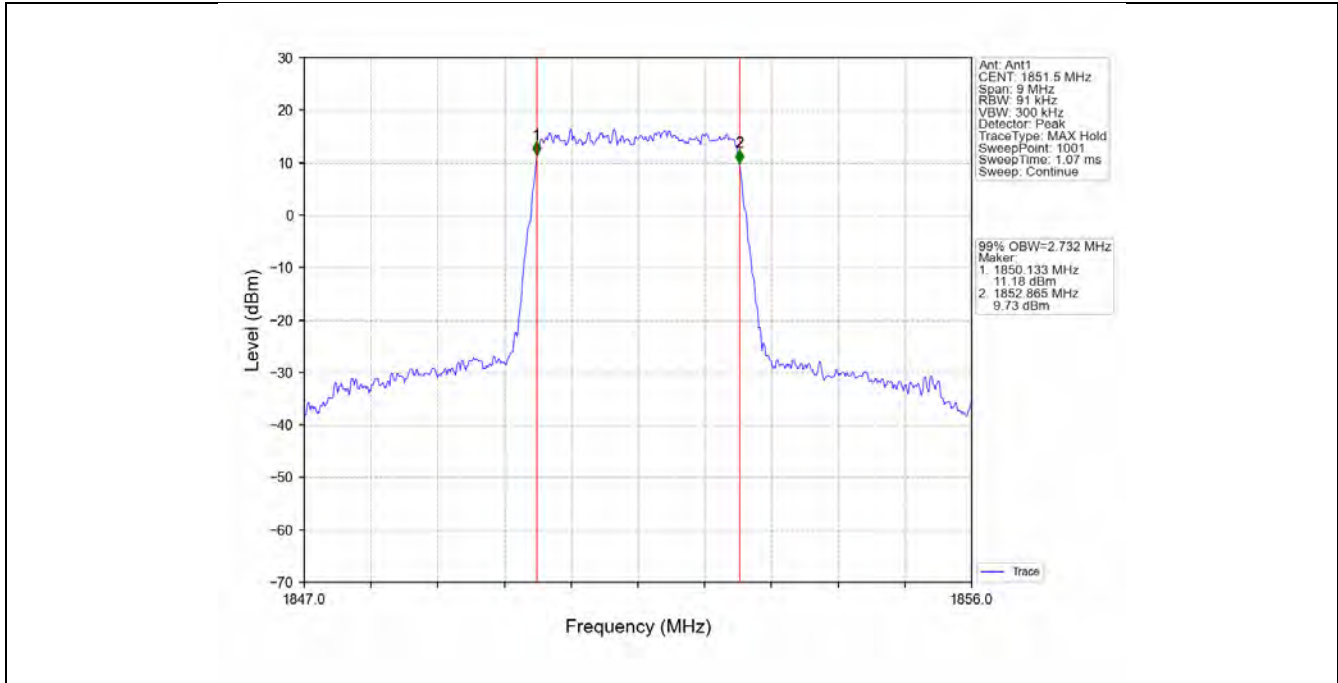


**SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch**

Report No.: SZCR240100038408

Rev.: 01

Page: 49 of 504



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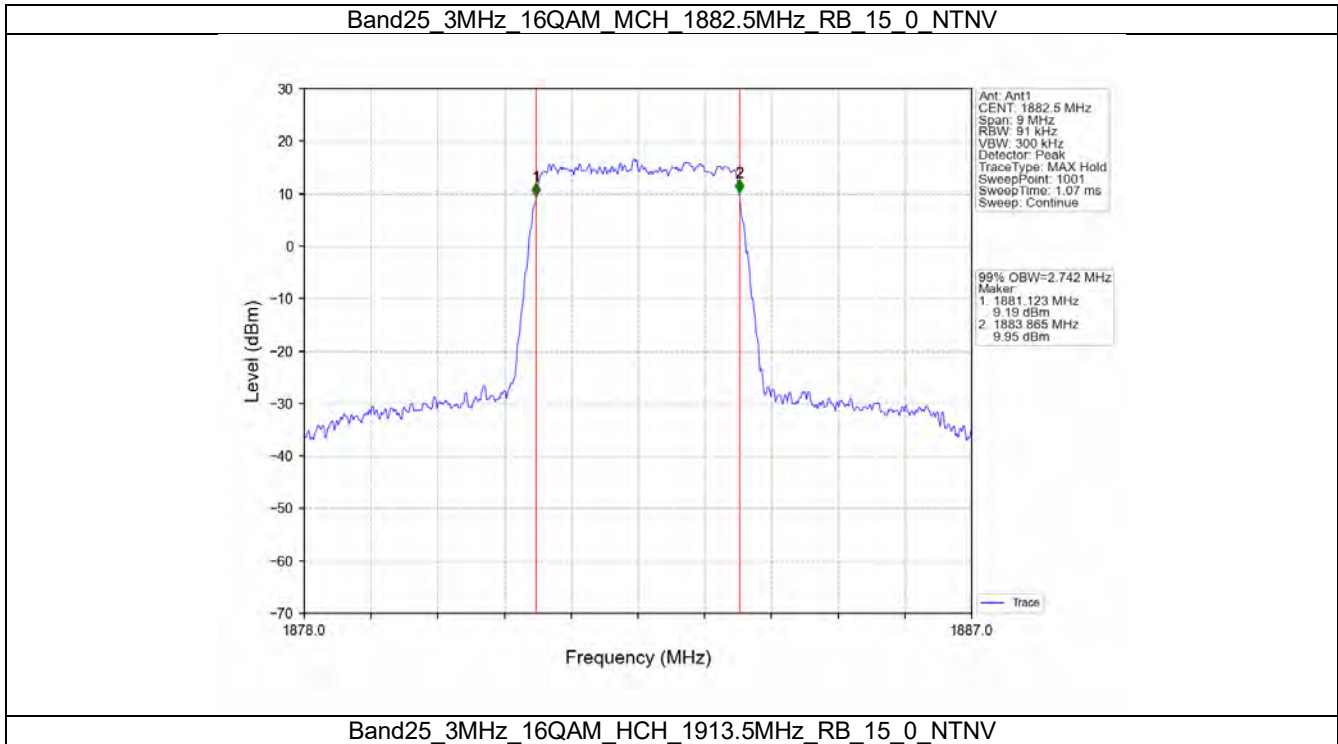


**SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch**

Report No.: SZCR240100038408

Rev.: 01

Page: 50 of 504



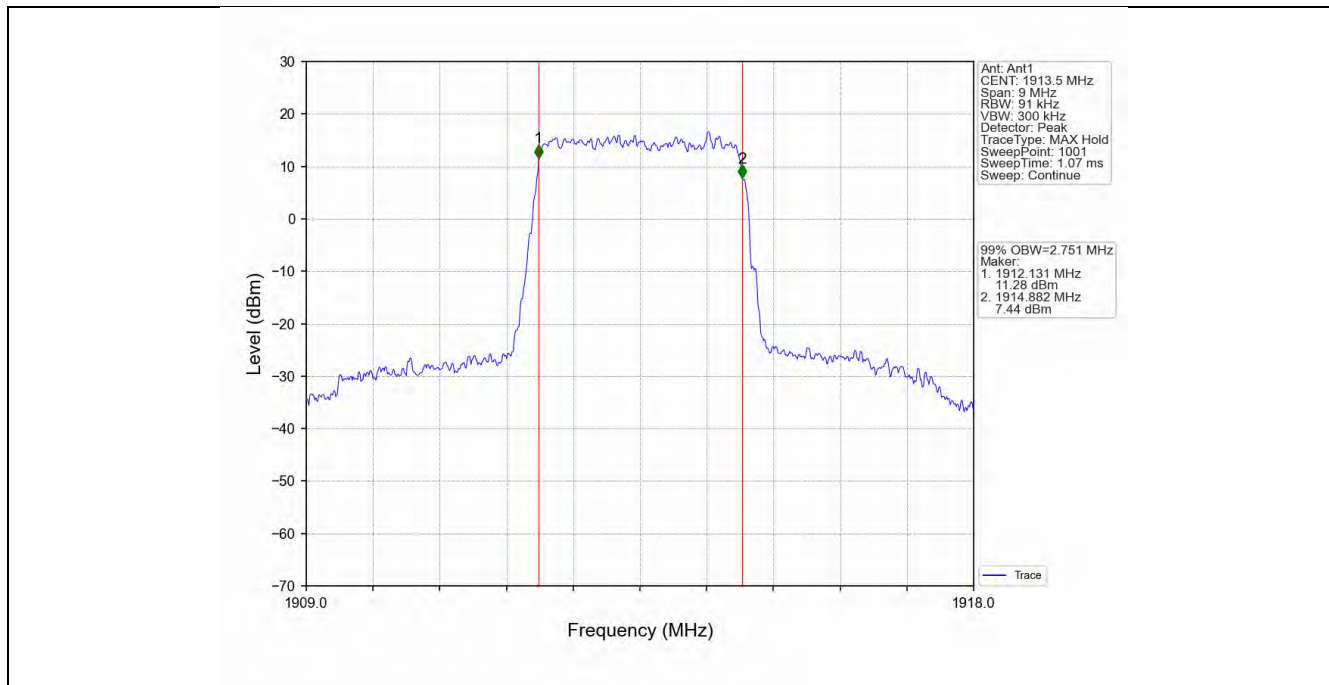
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Report No.: SZCR240100038408
 Rev.: 01
 Page: 51 of 504



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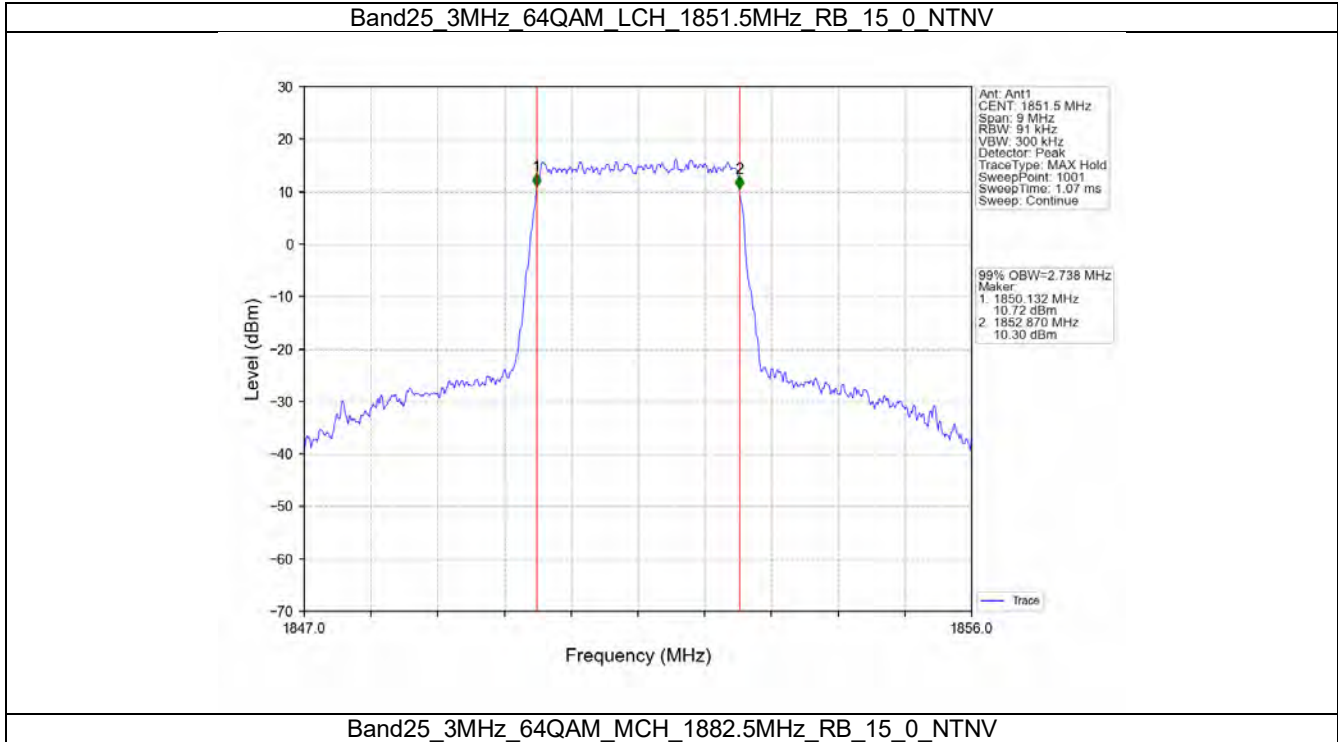


**SGS-CSTC Standards Technical Services Co., Ltd.
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Report No.: SZCR240100038408

Rev.: 01

Page: 52 of 504



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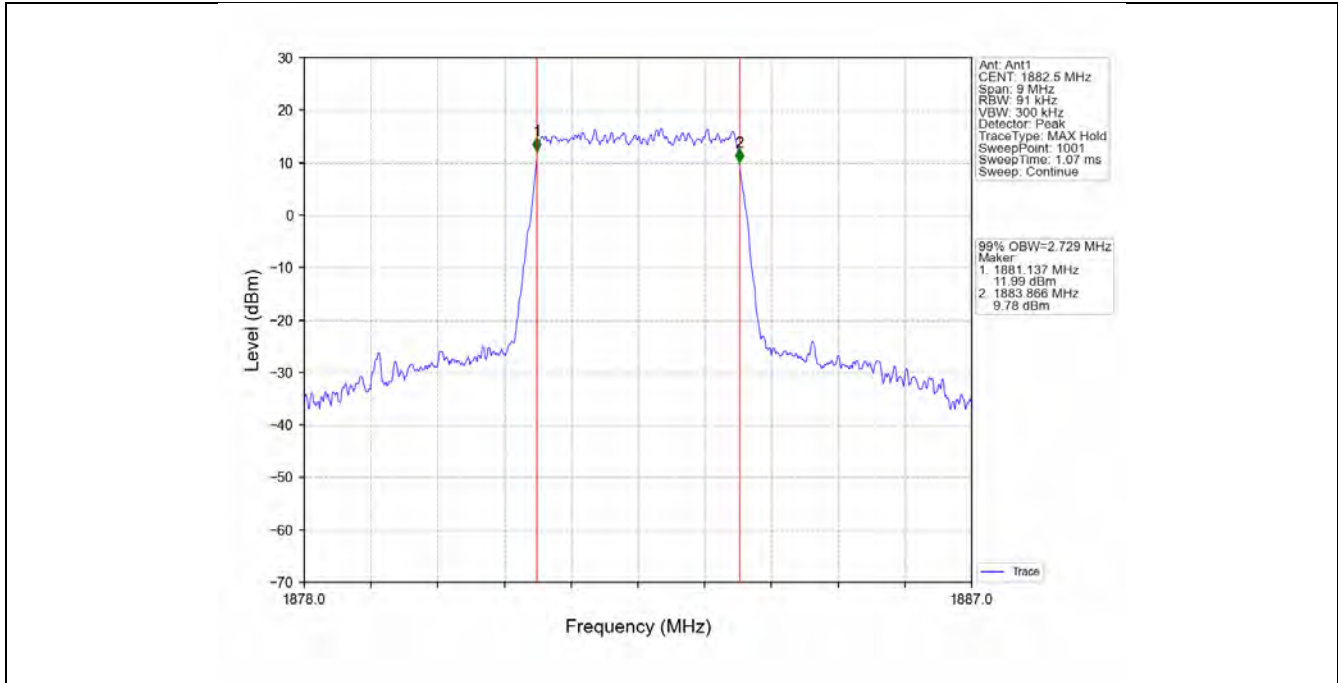


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Report No.: SZCR240100038408

Rev.: 01

Page: 53 of 504



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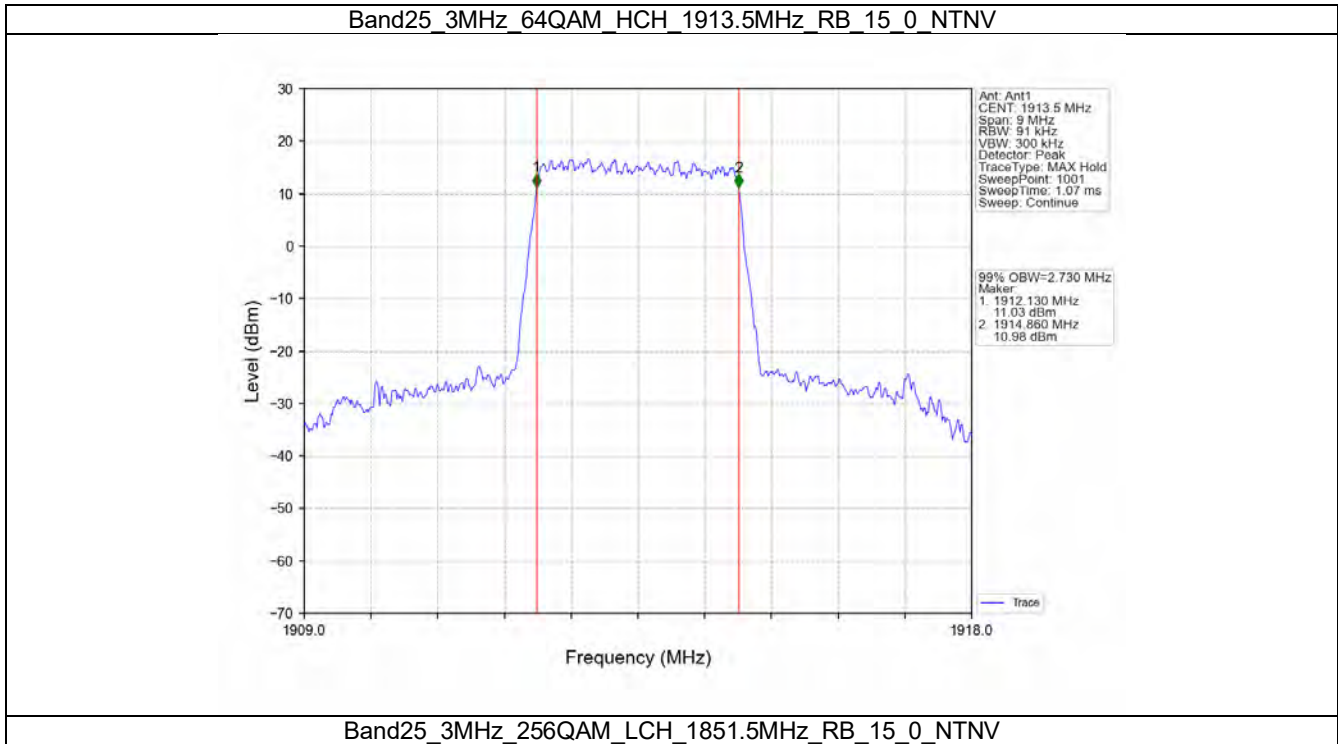


**SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch**

Report No.: SZCR240100038408

Rev.: 01

Page: 54 of 504



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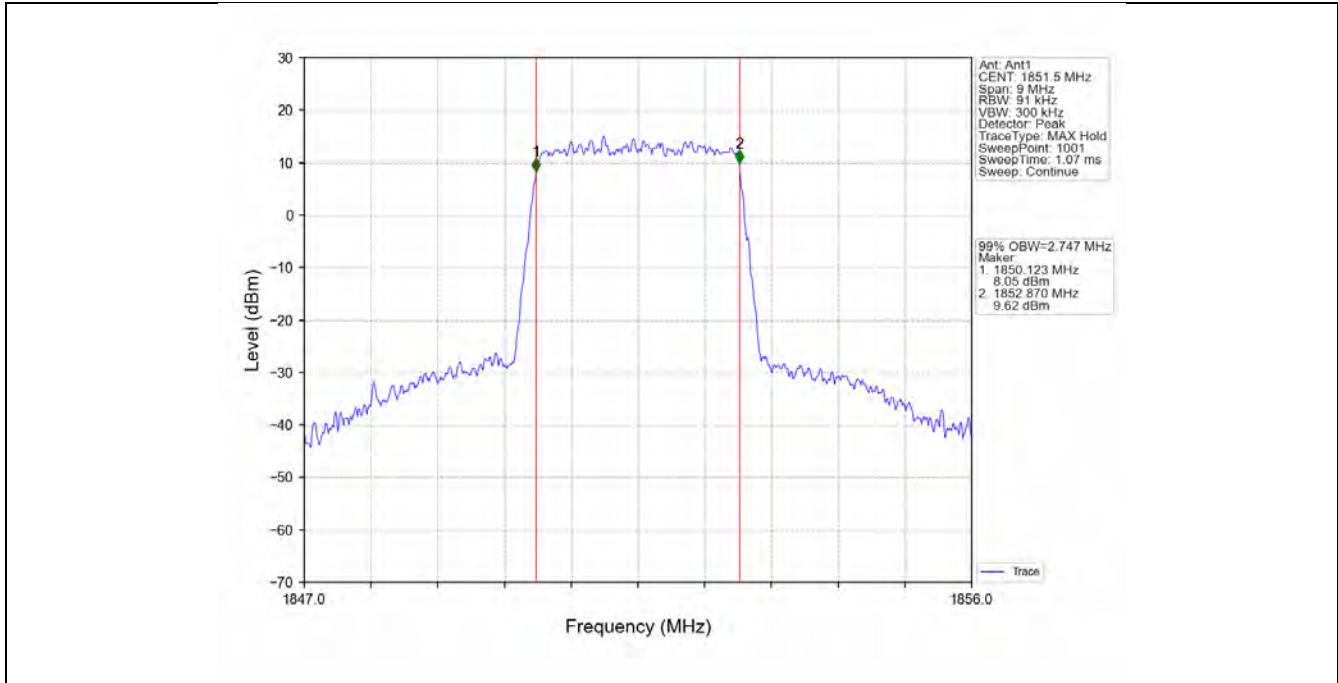


**SGS-CSTC Standards Technical Services Co., Ltd.
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Report No.: SZCR240100038408

Rev.: 01

Page: 55 of 504



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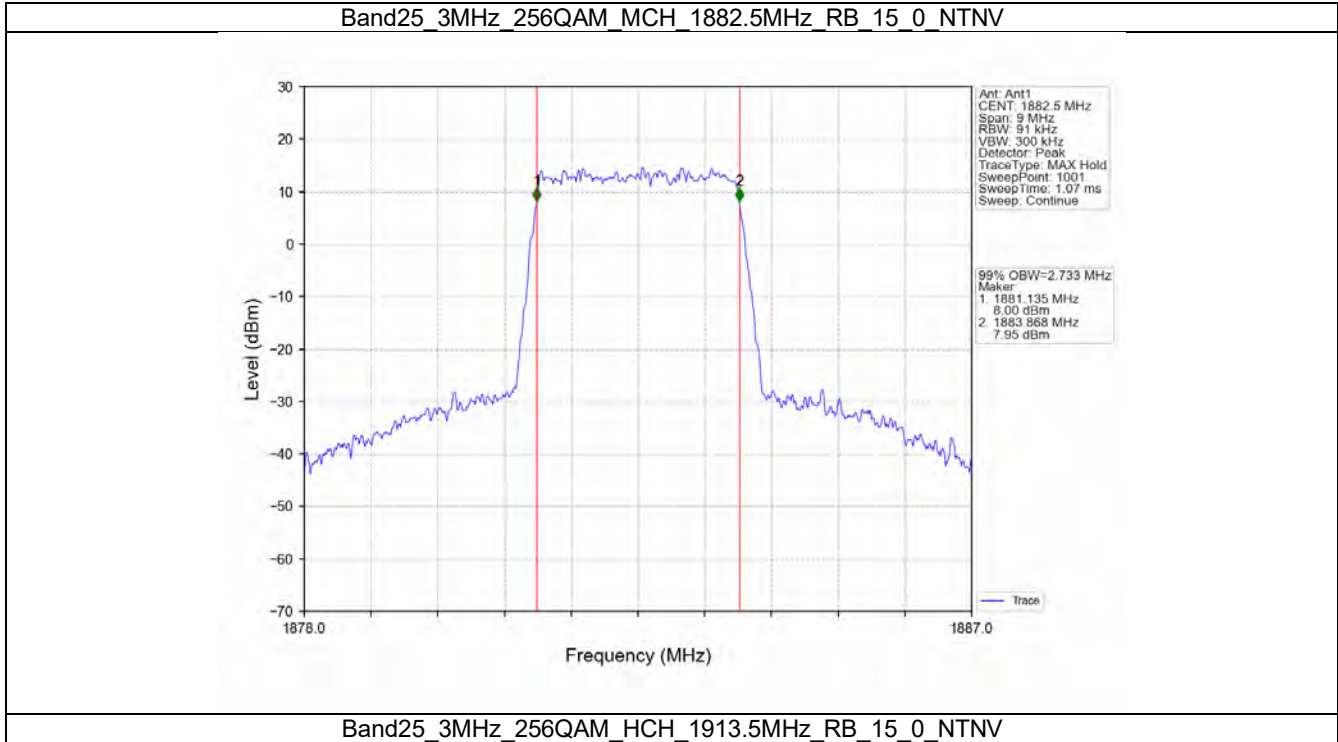


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Report No.: SZCR240100038408

Rev.: 01

Page: 56 of 504



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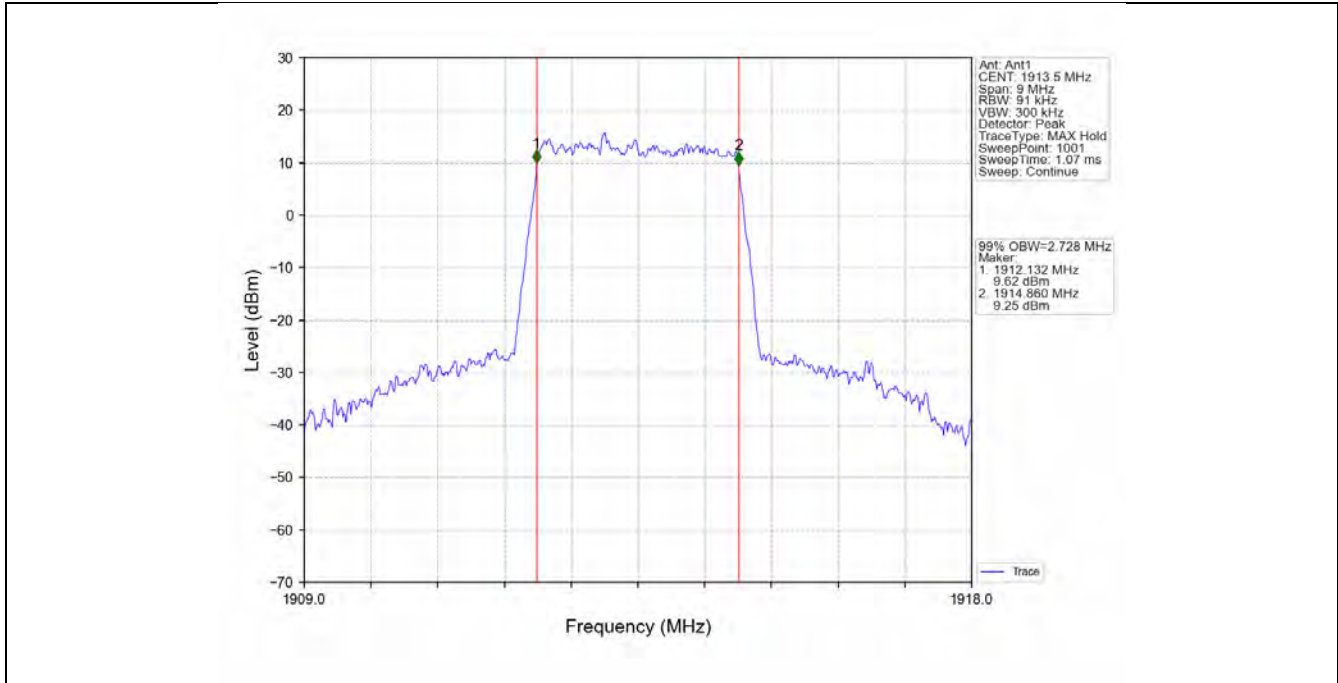


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Rev.: 01

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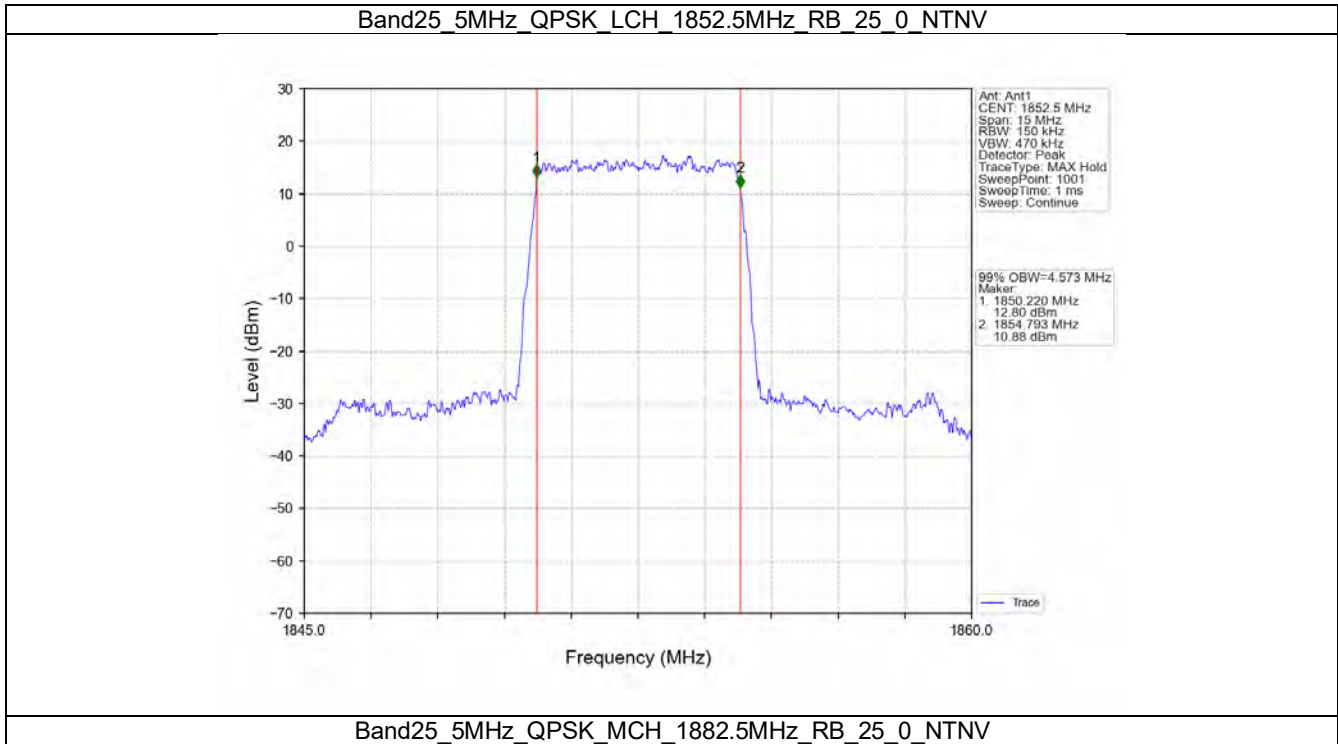


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Rev.: 01

Page: 58 of 504



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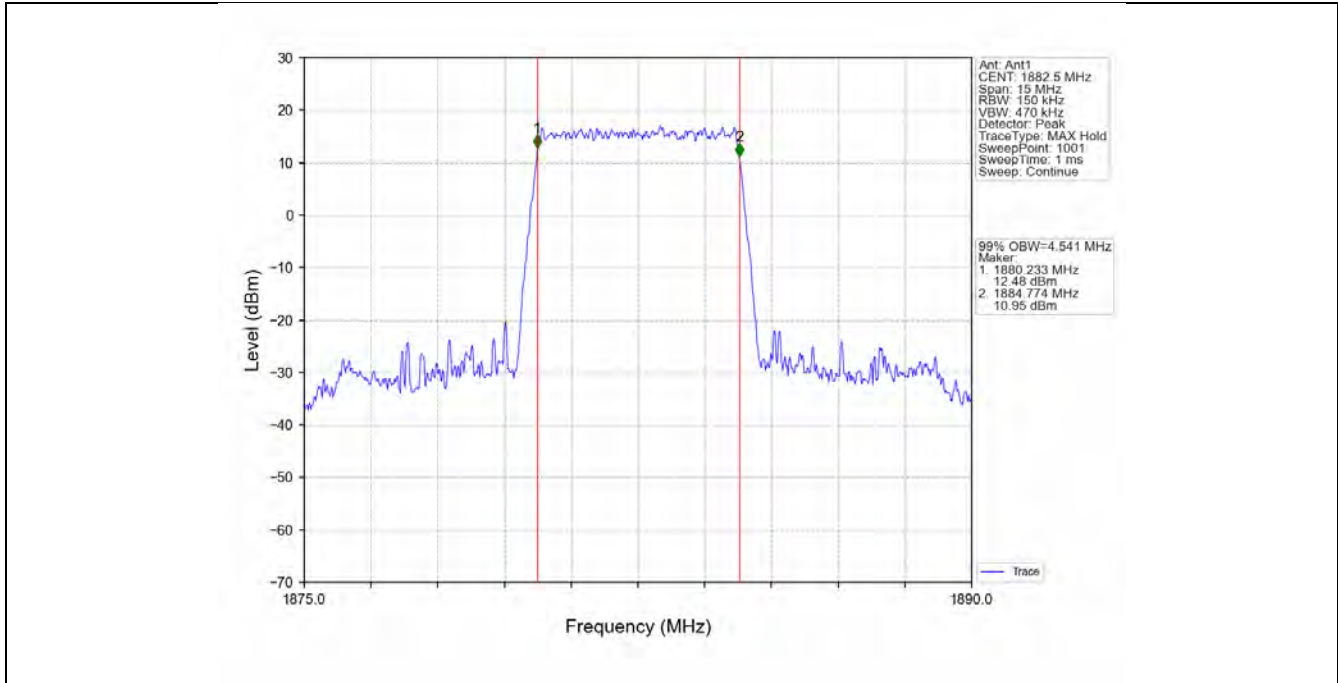


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Report No.: SZCR240100038408

Rev.: 01

Page: 59 of 504



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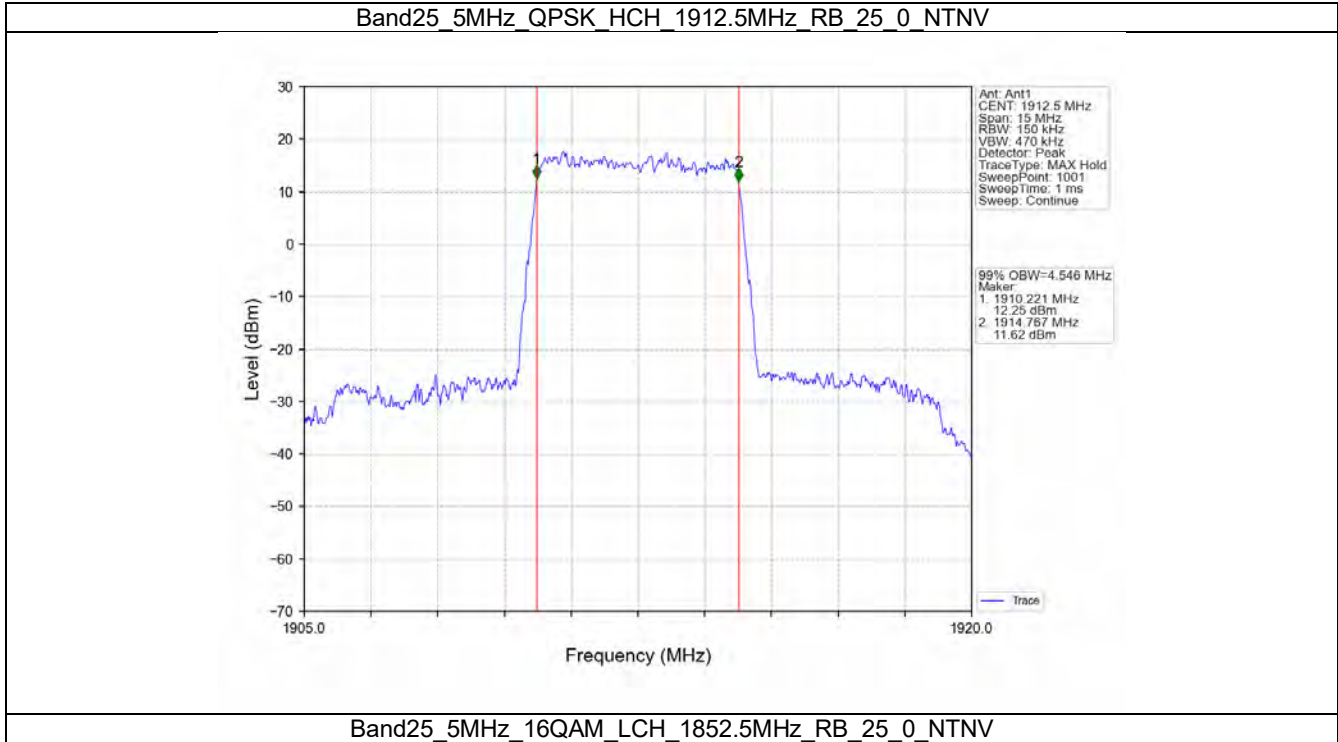


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Report No.: SZCR240100038408

Rev.: 01

Page: 60 of 504



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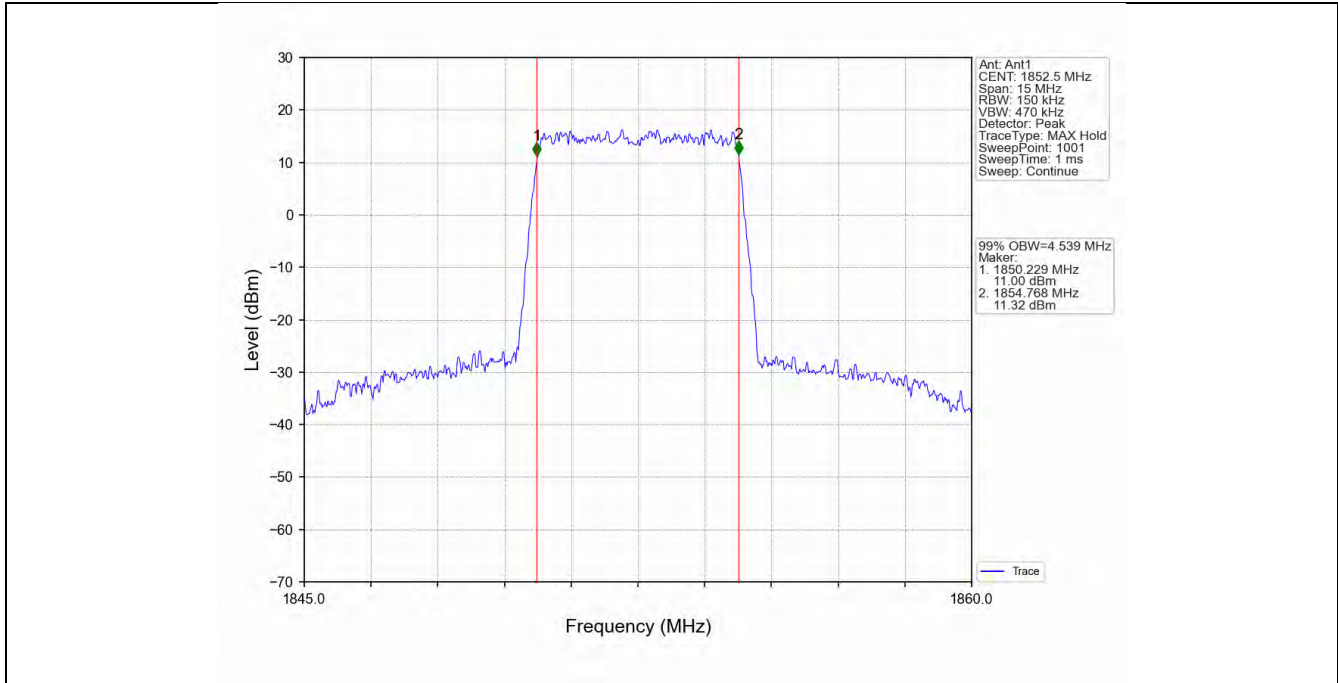


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Report No.: SZCR240100038408

Rev.: 01

Page: 61 of 504



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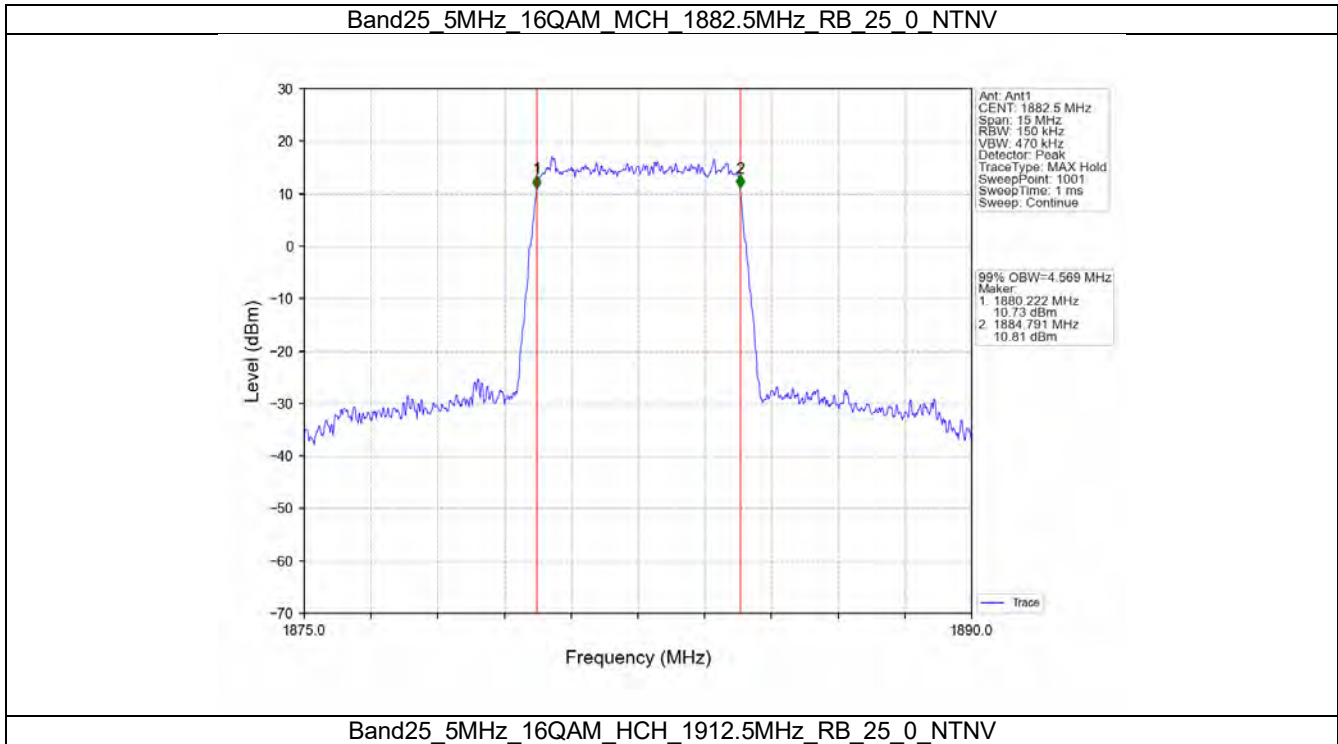


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Report No.: SZCR240100038408

Rev.: 01

Page: 62 of 504



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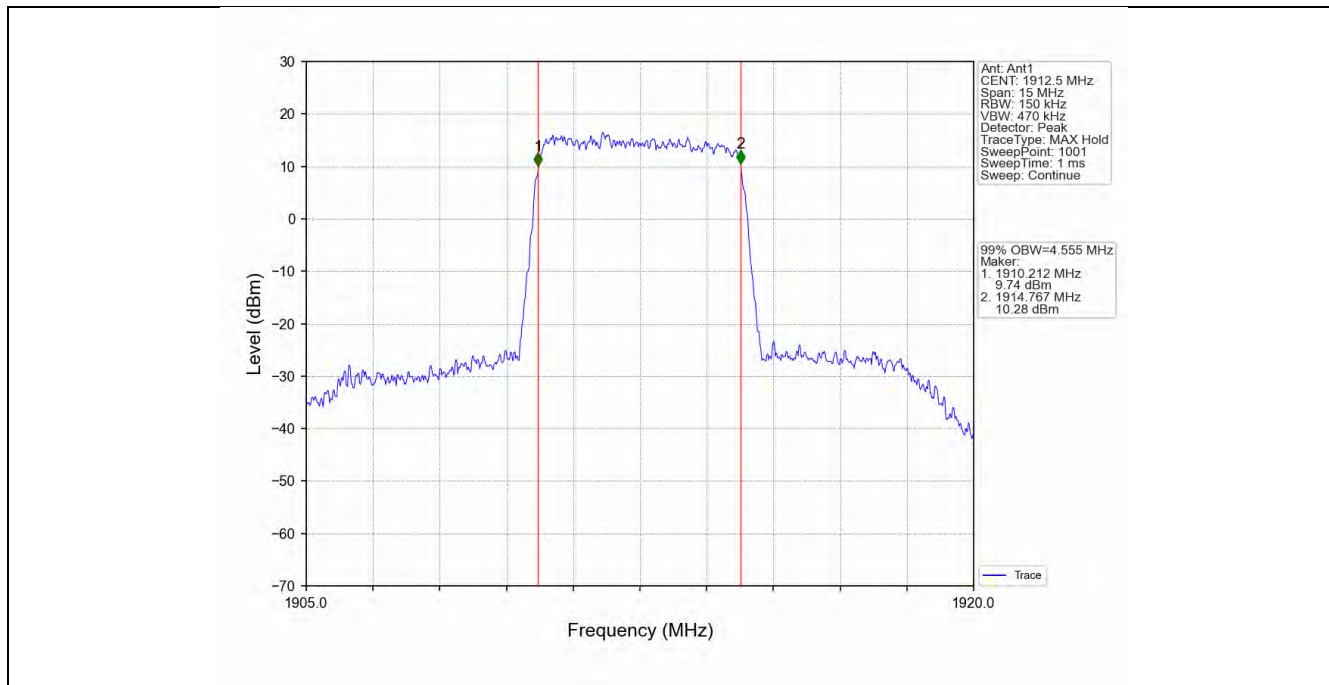
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Shenzhen Branch**

Report No.: SZCR240100038408
Rev.: 01
Page: 63 of 504



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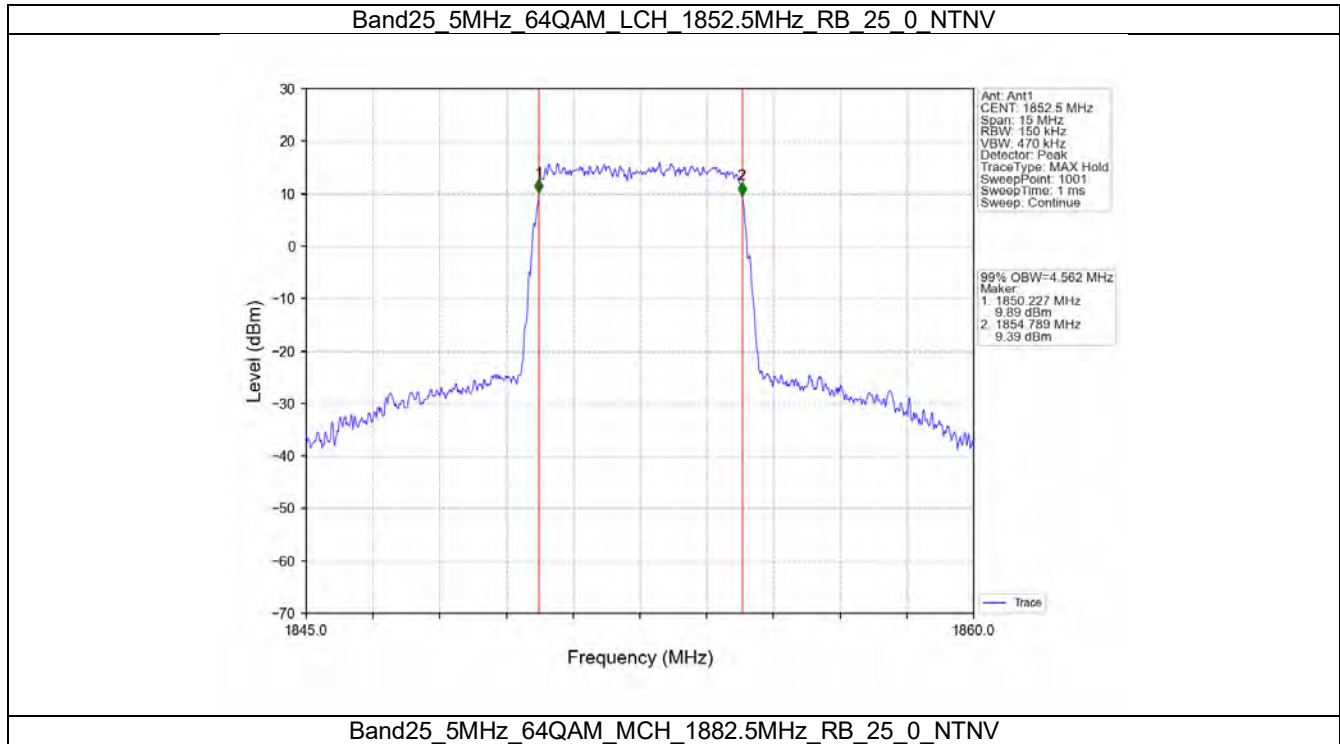


**SGS-CSTC Standards Technical Services Co., Ltd.
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Report No.: SZCR240100038408

Rev.: 01

Page: 64 of 504



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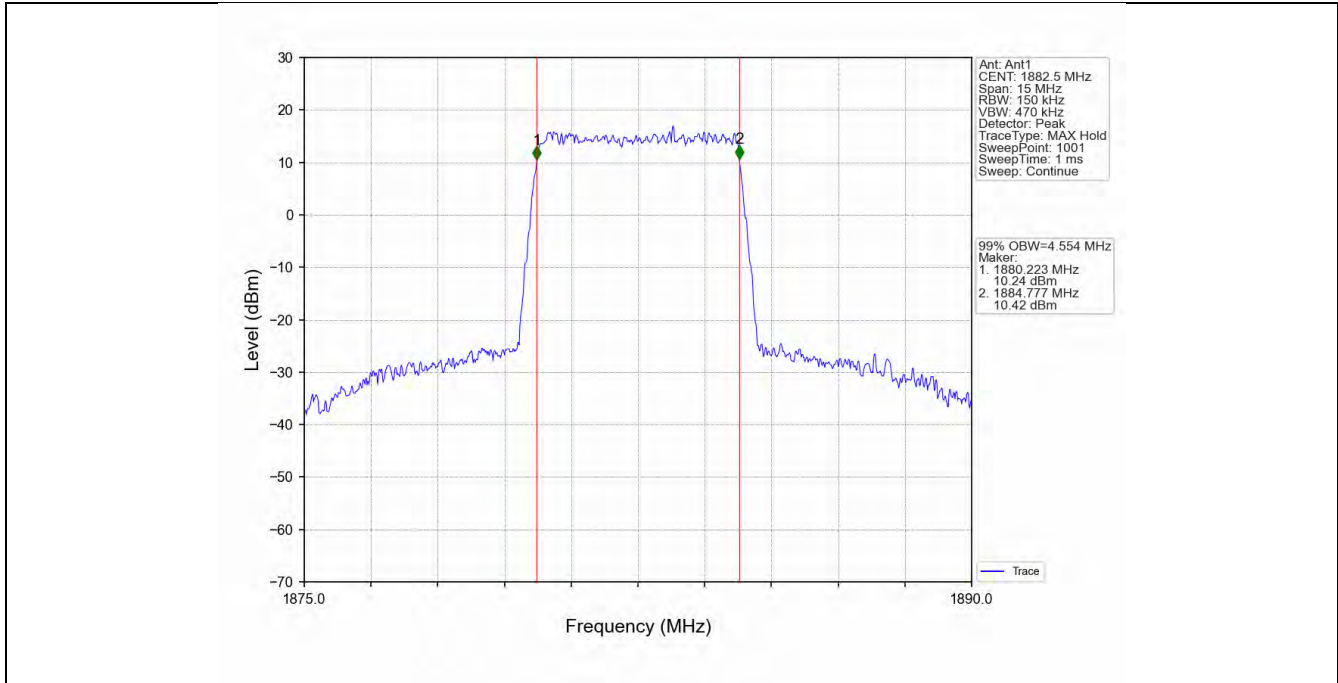


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Report No.: SZCR240100038408

Rev.: 01

Page: 65 of 504



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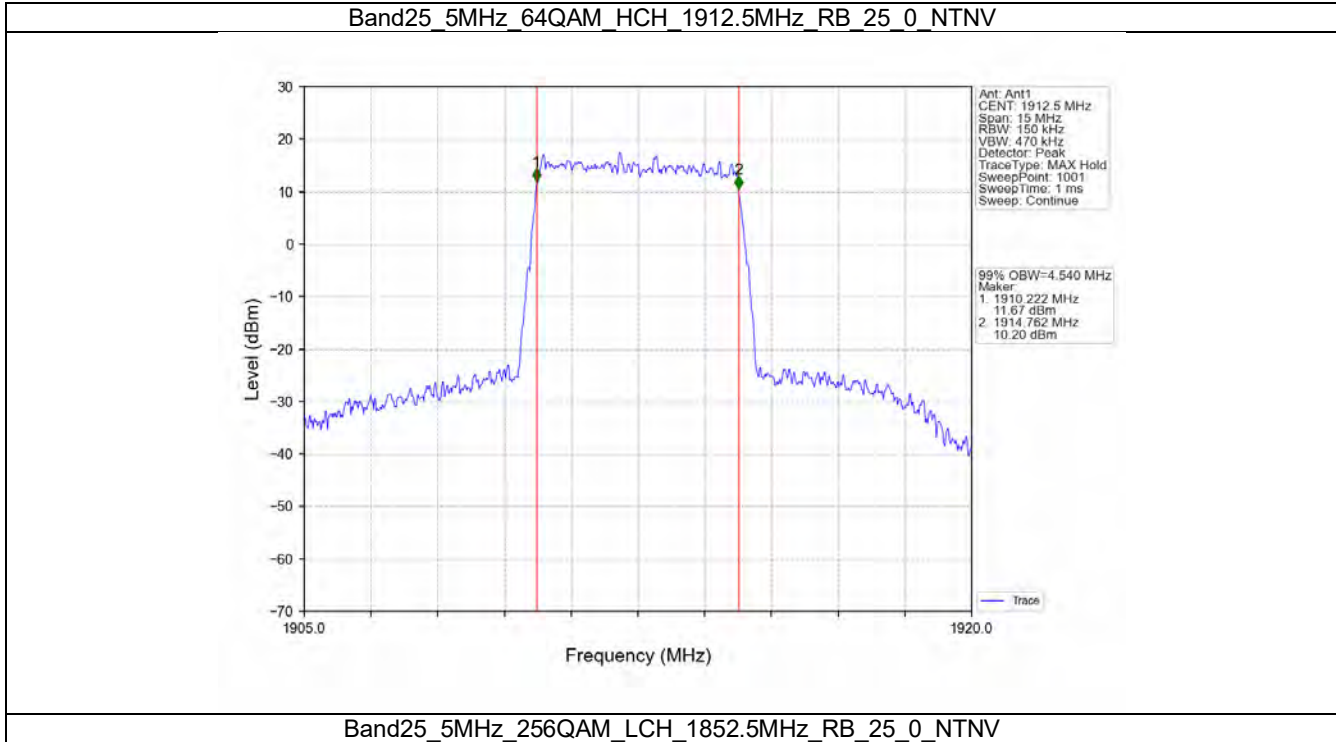


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Report No.: SZCR240100038408

Rev.: 01

Page: 66 of 504



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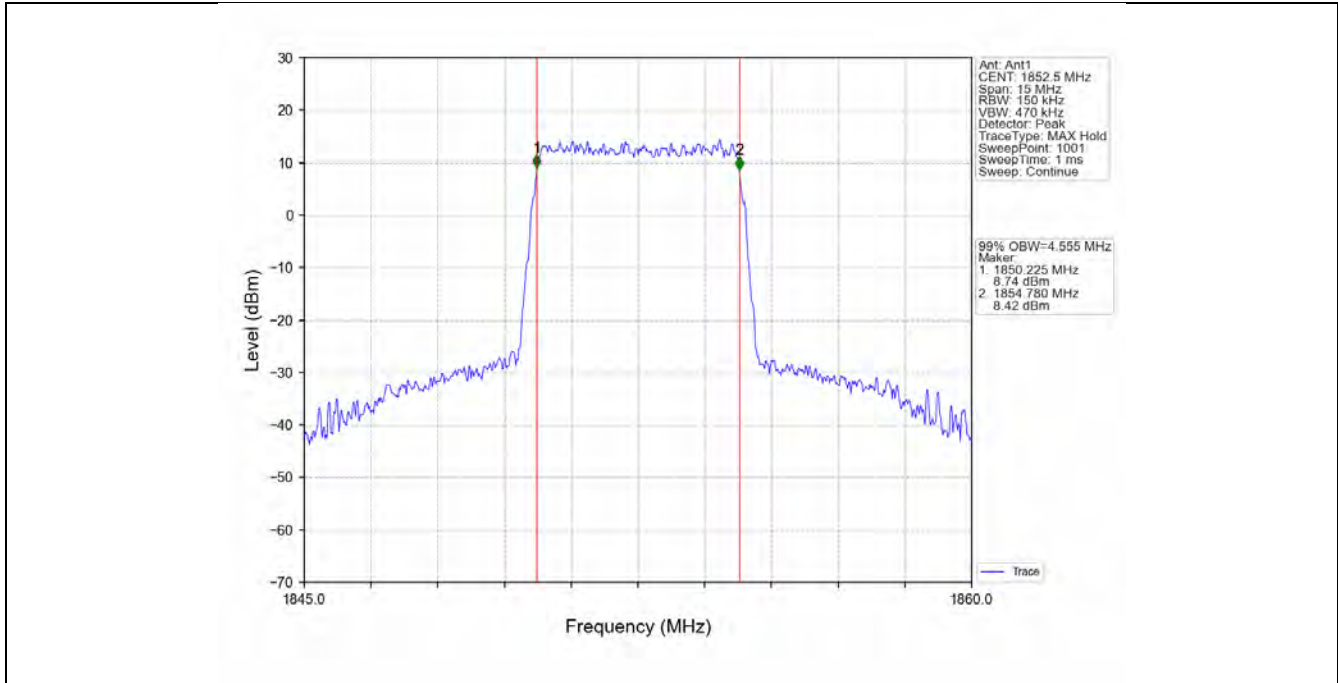


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Report No.: SZCR240100038408

Rev.: 01

Page: 67 of 504



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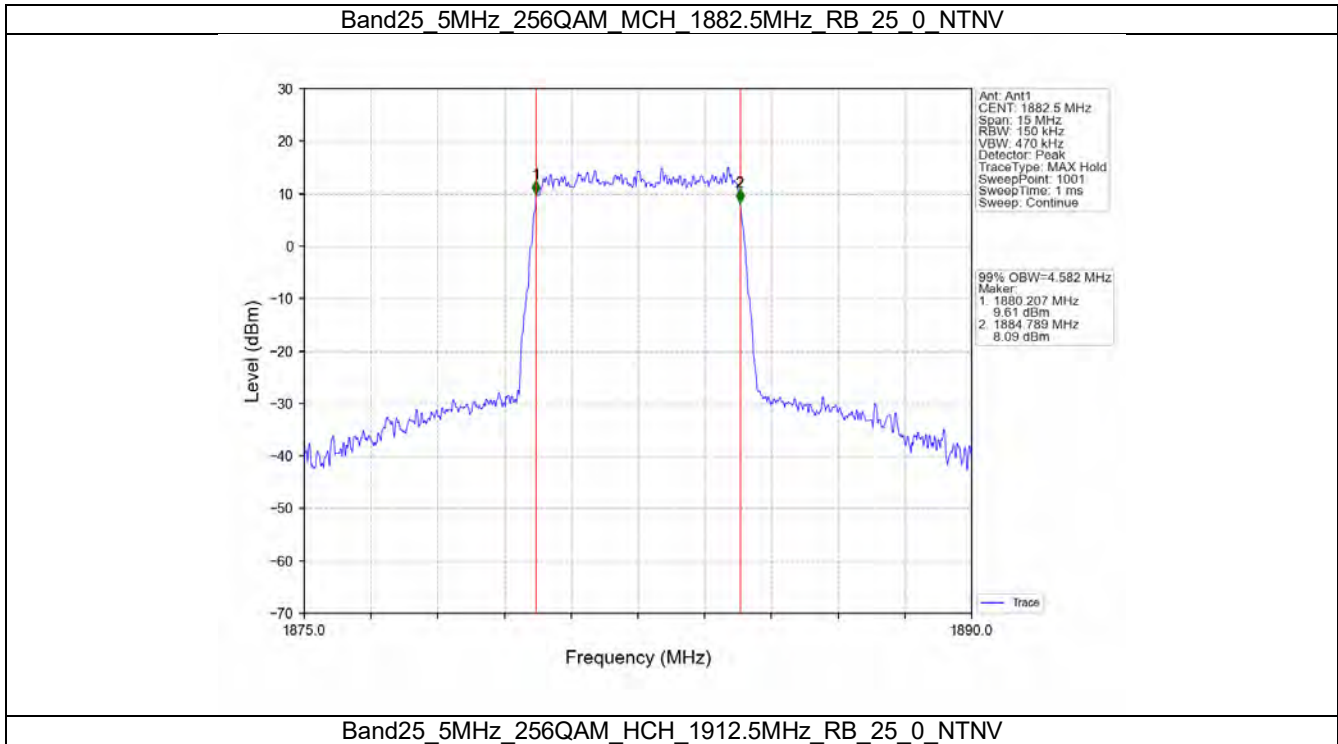


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Report No.: SZCR240100038408

Rev.: 01

Page: 68 of 504



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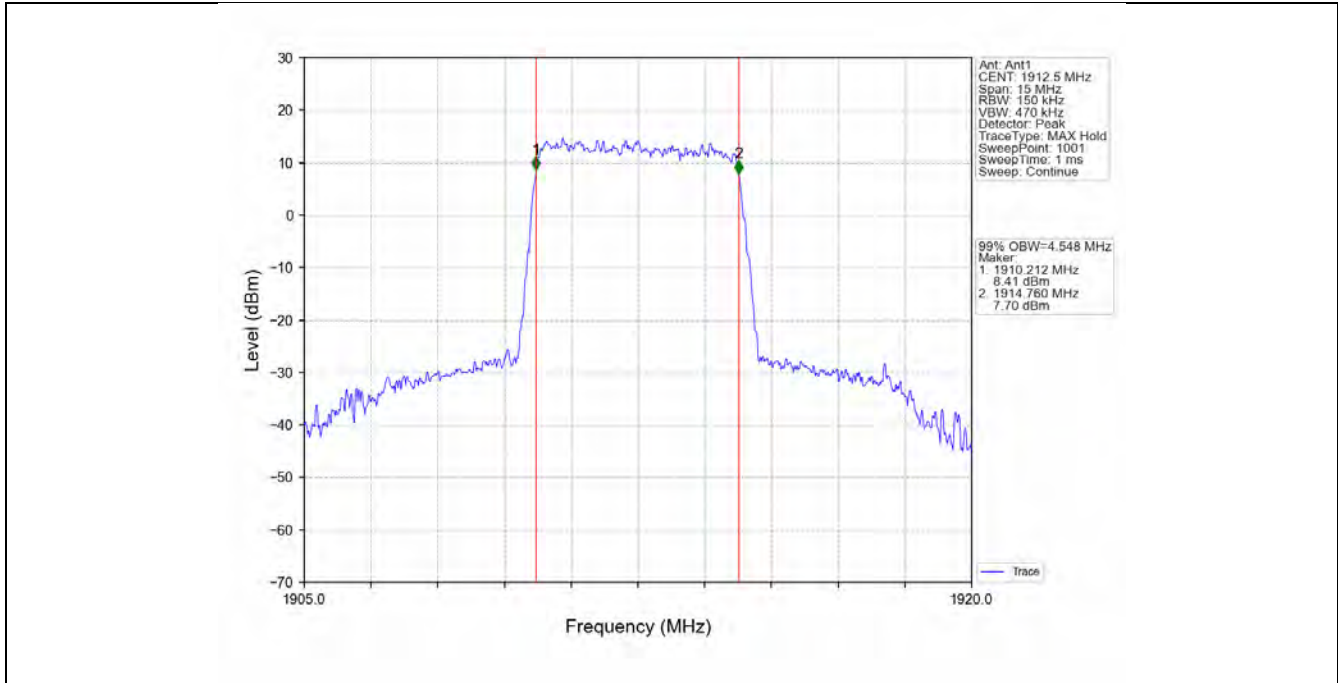


**SGS-CSTC Standards Technical Services Co., Ltd.
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Report No.: SZCR240100038408

Rev.: 01

Page: 69 of 504



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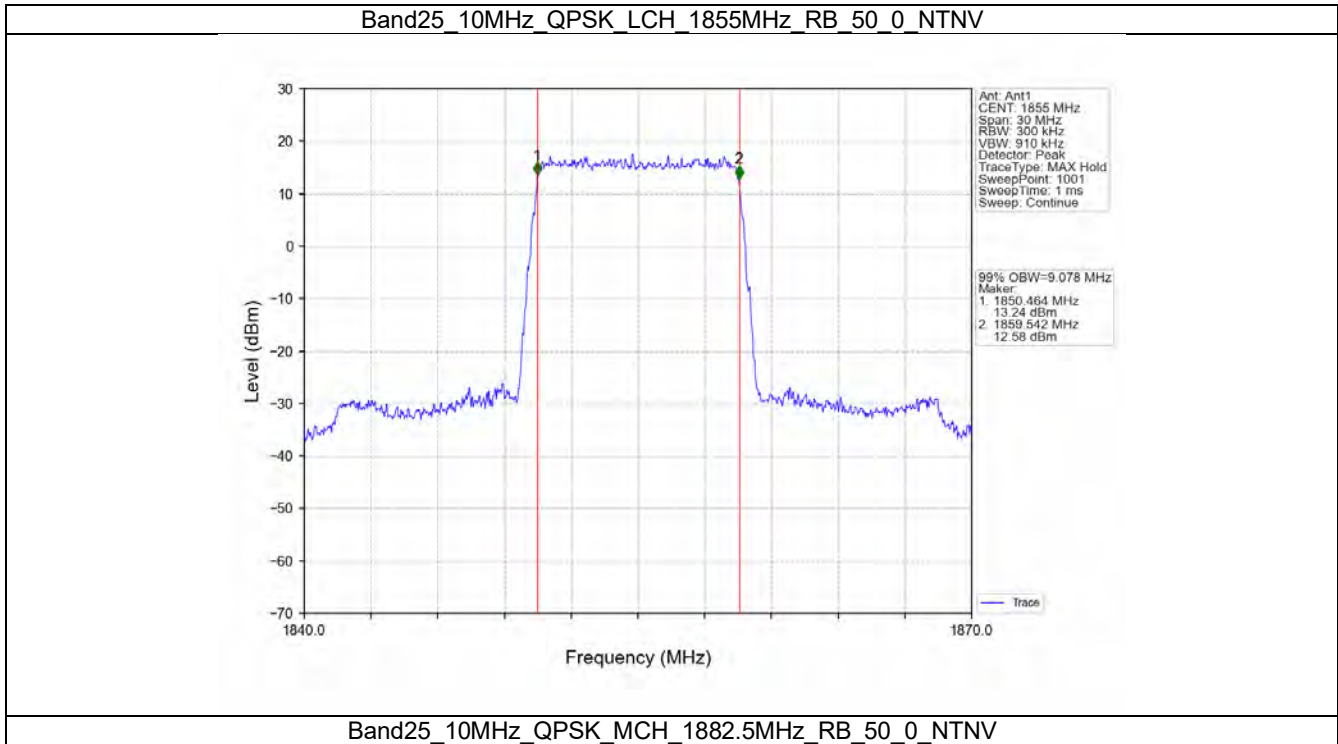


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Report No.: SZCR240100038408

Rev.: 01

Page: 70 of 504



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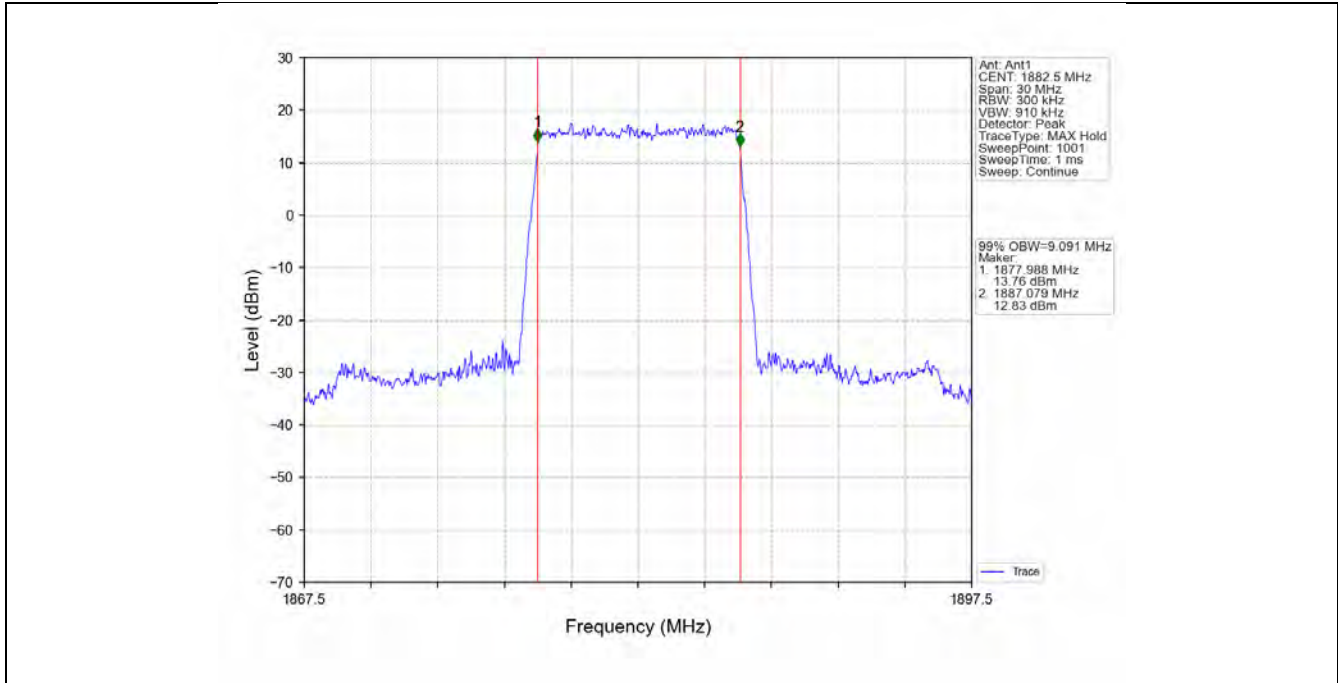


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Report No.: SZCR240100038408

Rev.: 01

Page: 71 of 504



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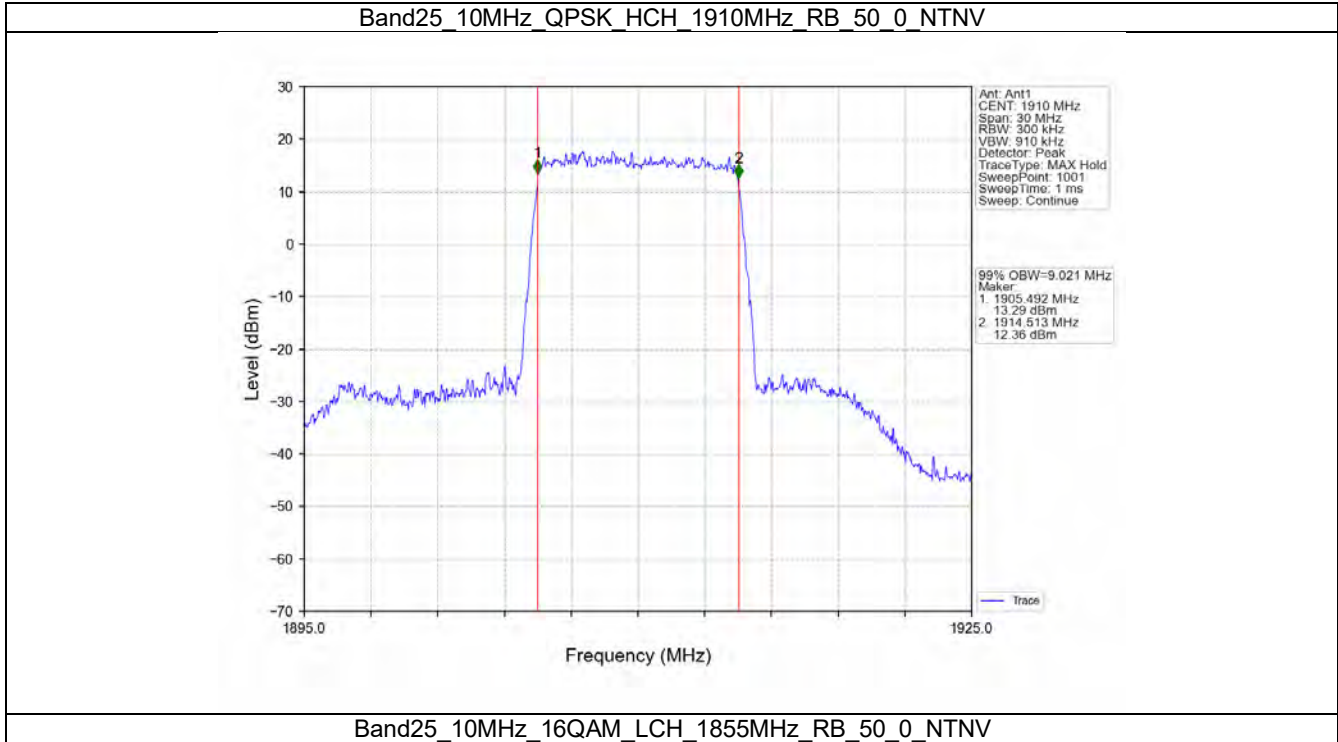


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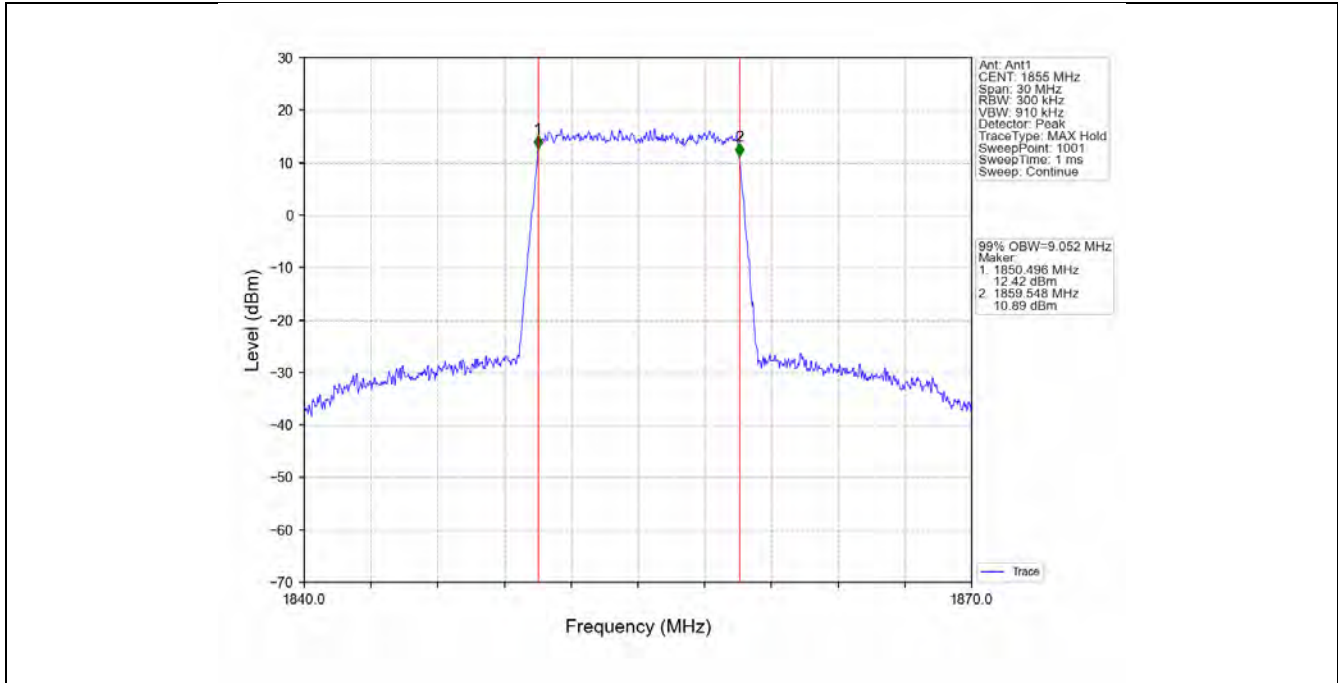


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Report No.: SZCR240100038408

Rev.: 01

Page: 73 of 504



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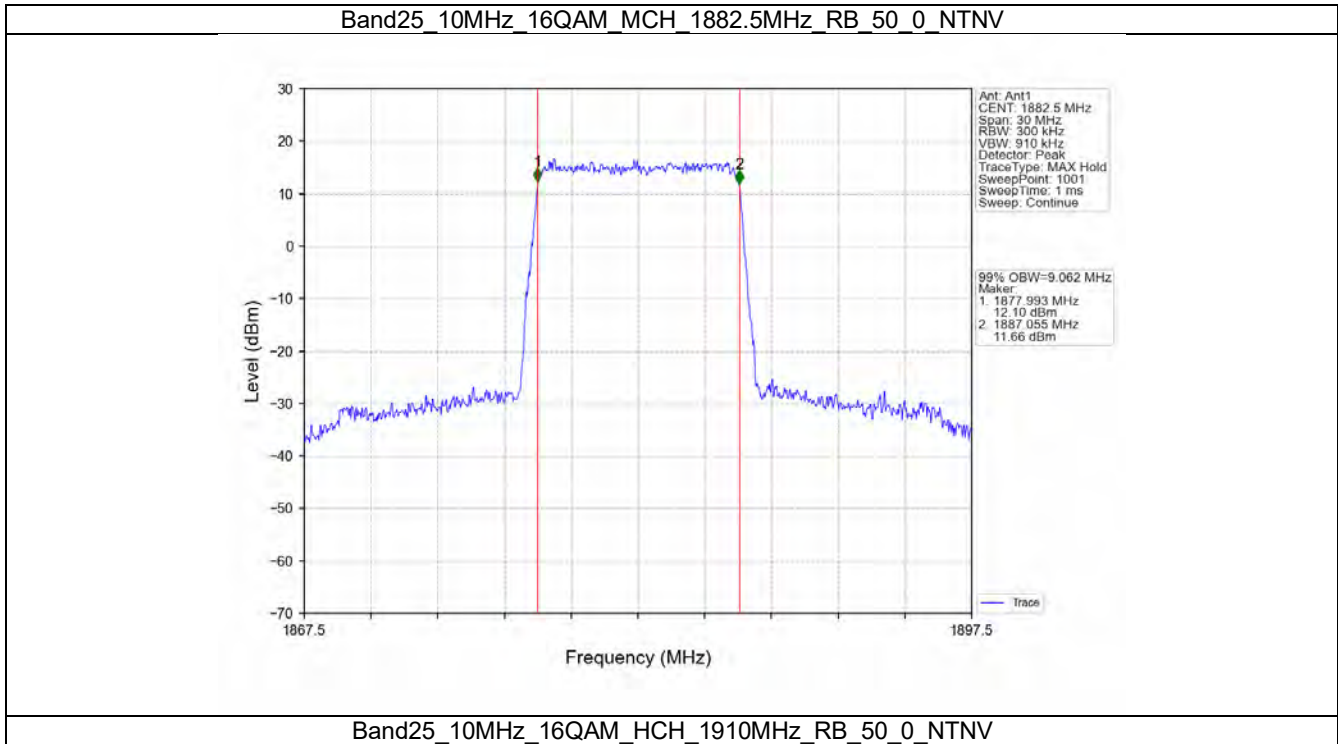


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Rev.: 01

Page: 74 of 504



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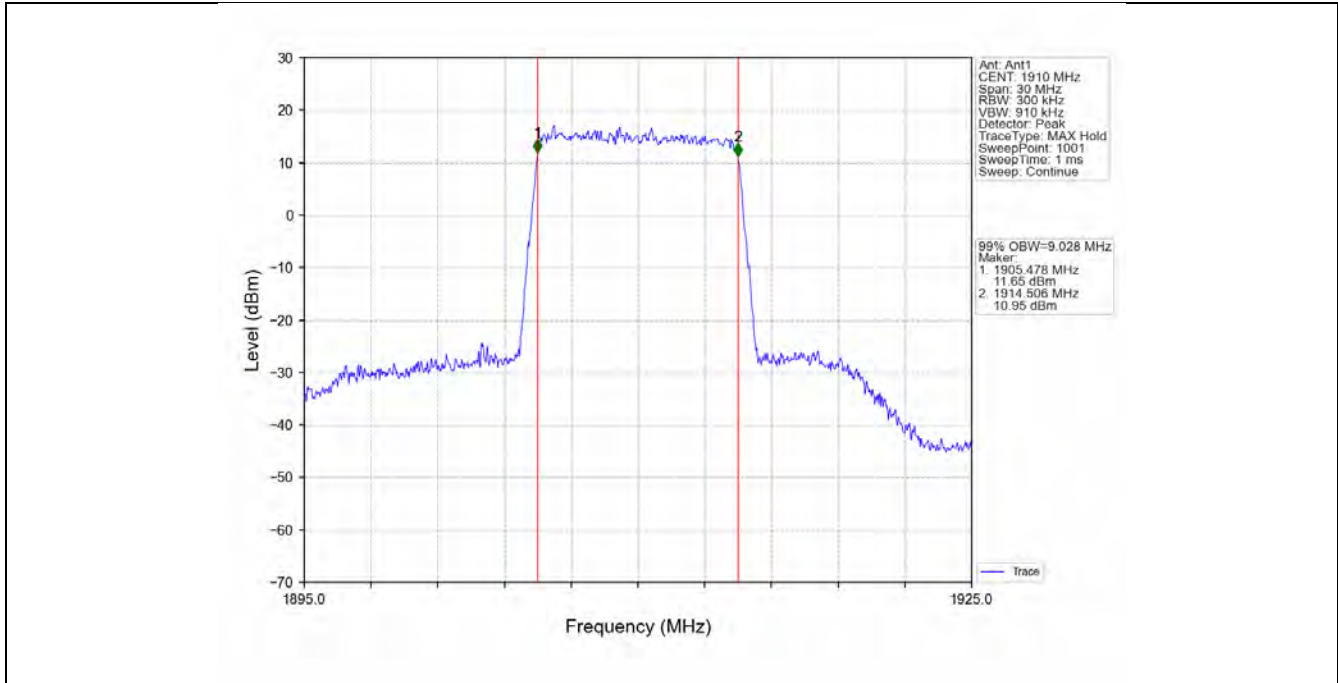


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Report No.: SZCR240100038408

Rev.: 01

Page: 75 of 504



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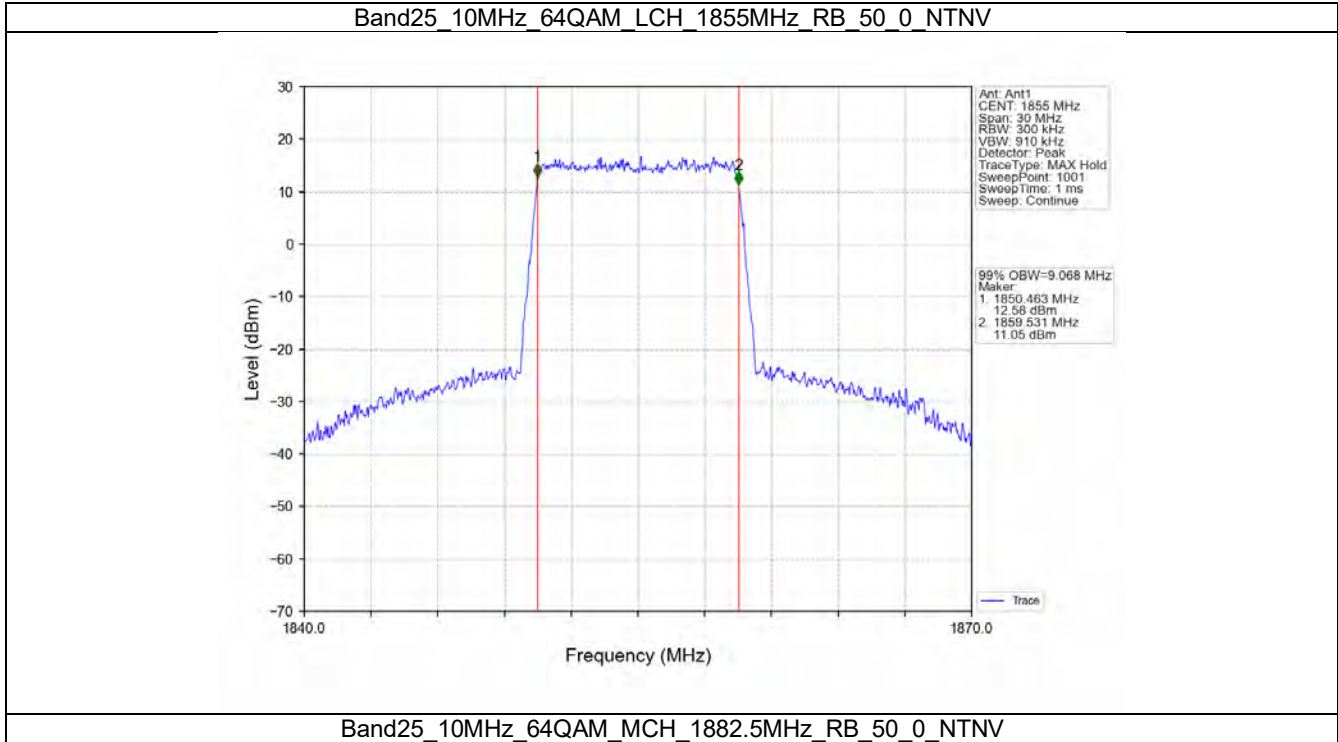


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Report No.: SZCR240100038408

Rev.: 01

Page: 76 of 504



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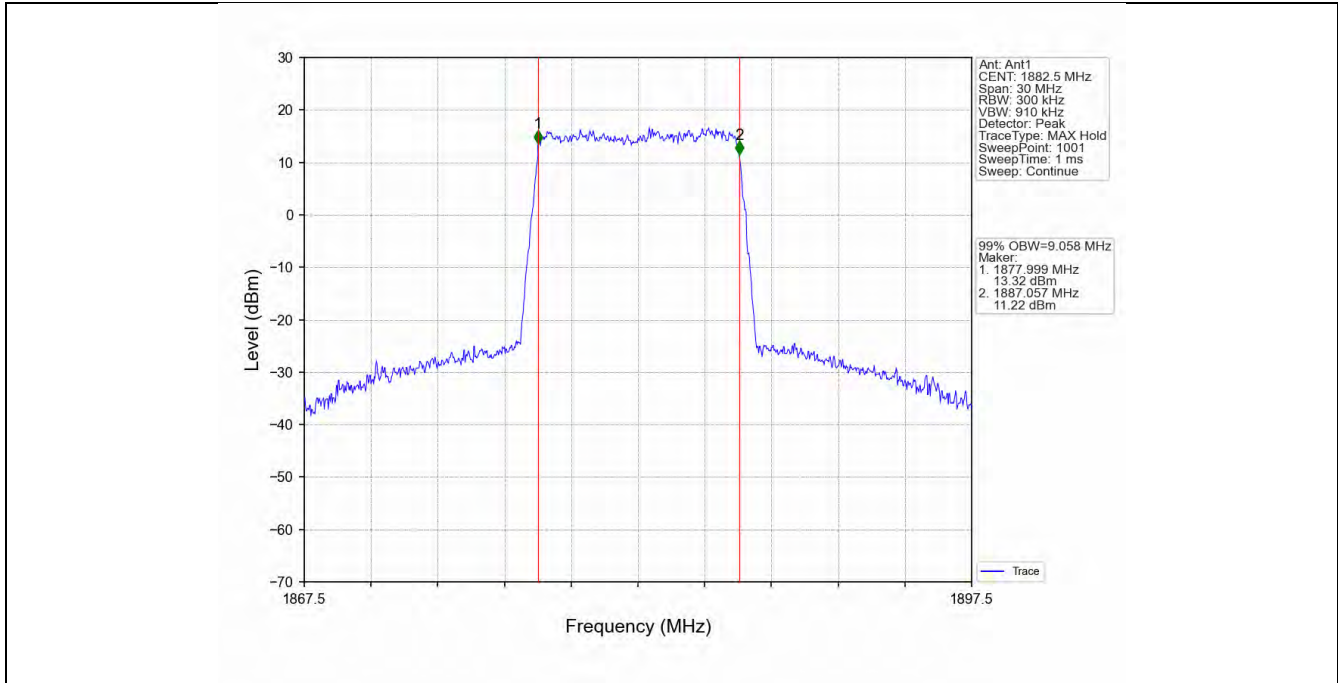


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Report No.: SZCR240100038408

Rev.: 01

Page: 77 of 504



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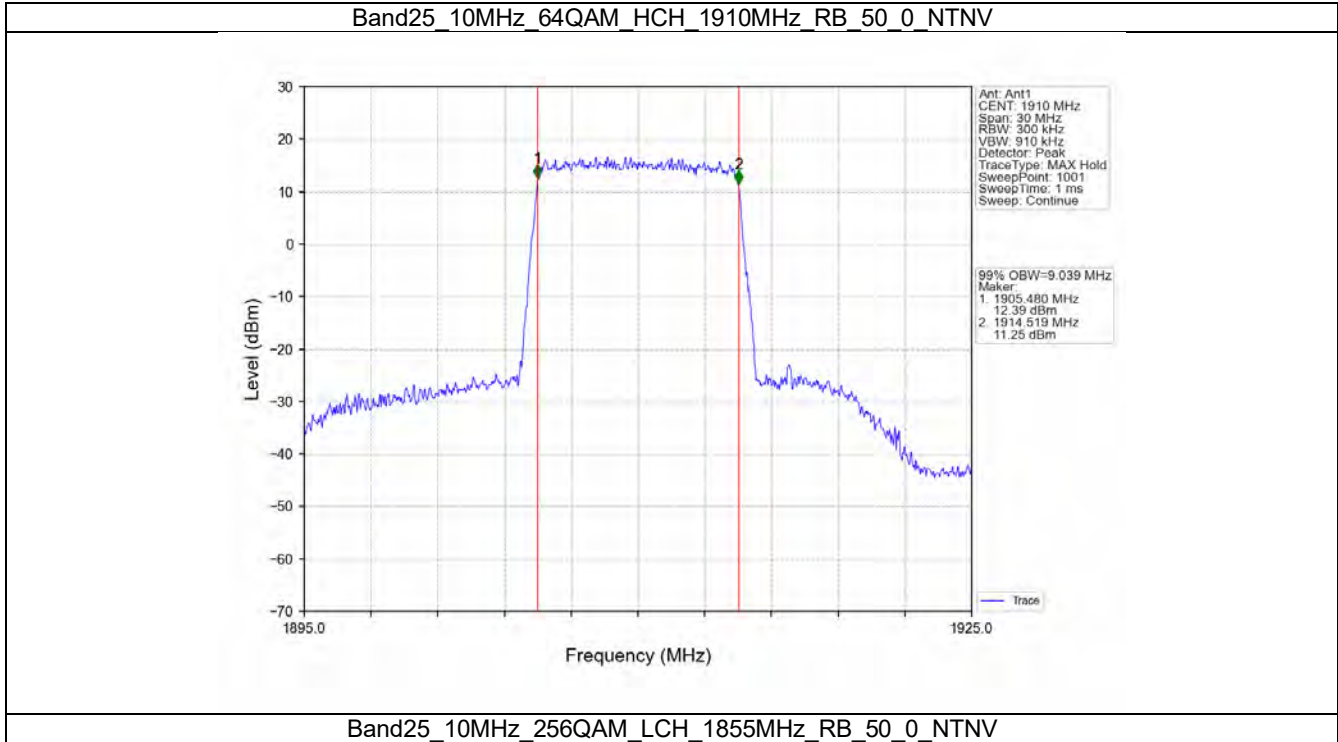


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Report No.: SZCR240100038408

Rev.: 01

Page: 78 of 504



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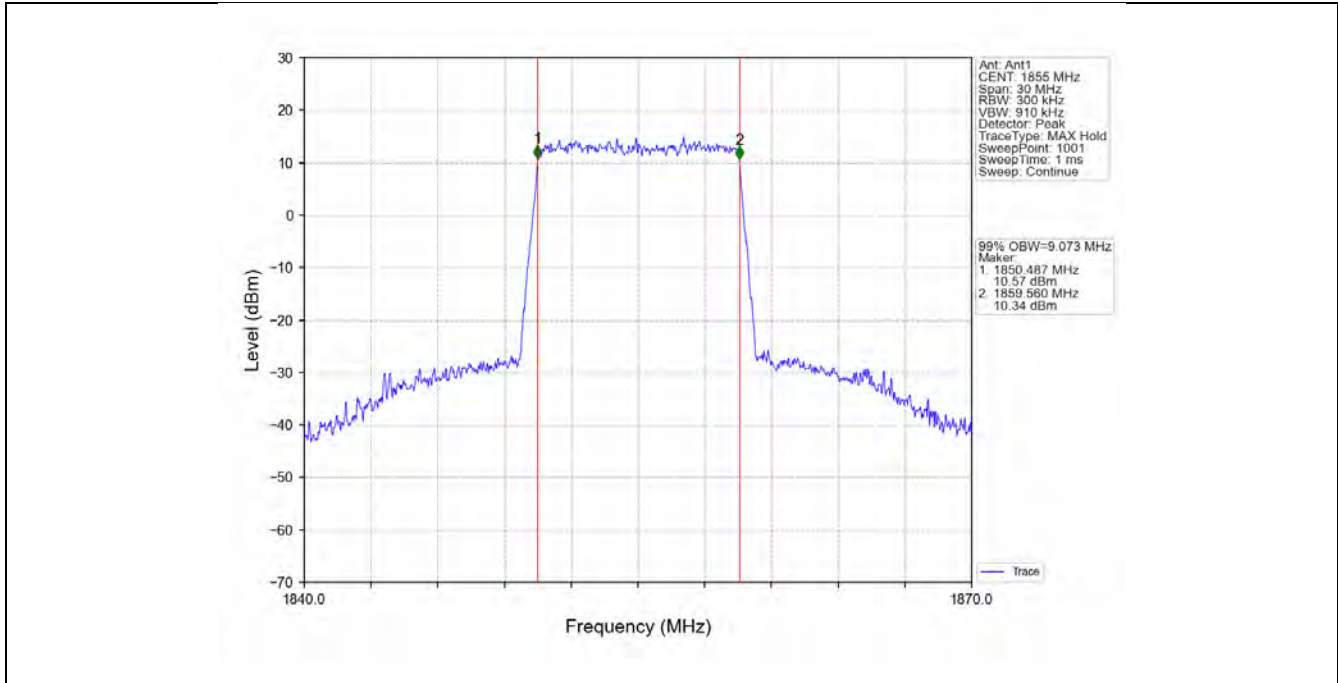


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Shenzhen Branch**

Report No.: SZCR240100038408

Rev.: 01

Page: 79 of 504



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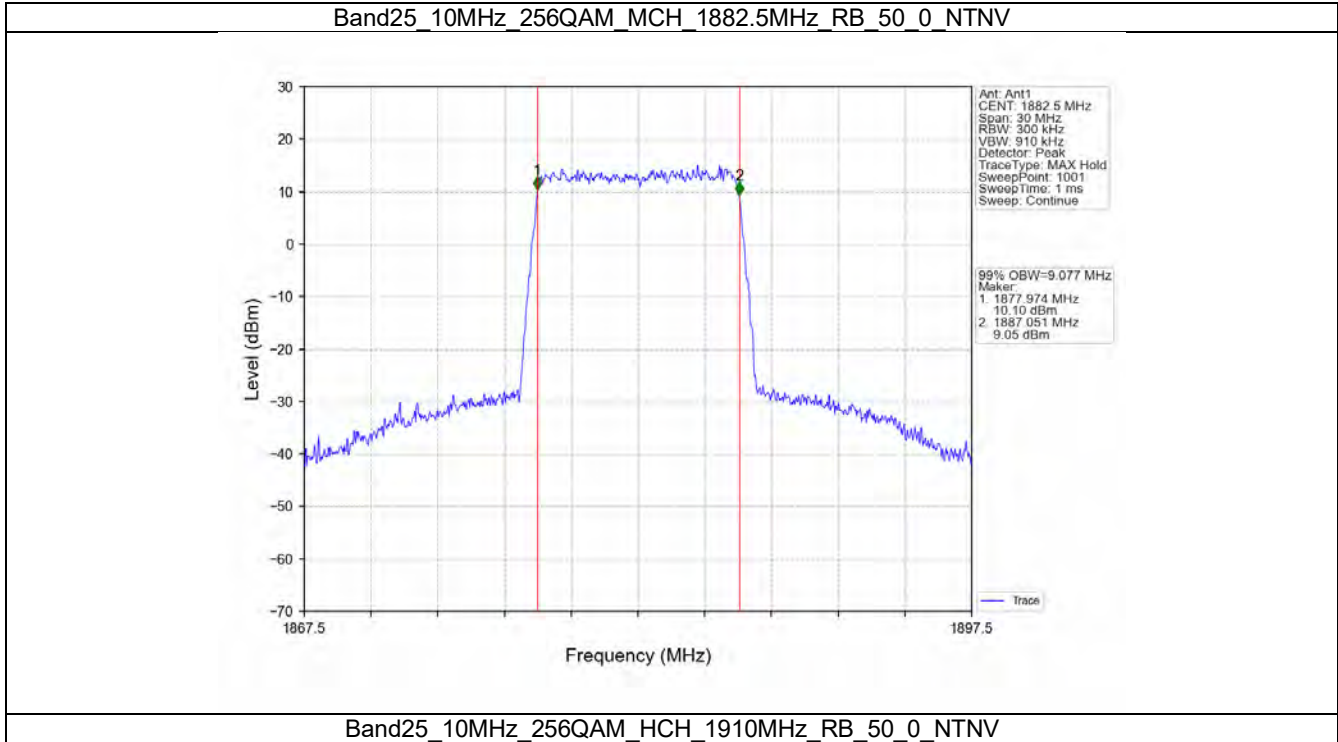


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Report No.: SZCR240100038408

Rev.: 01

Page: 80 of 504



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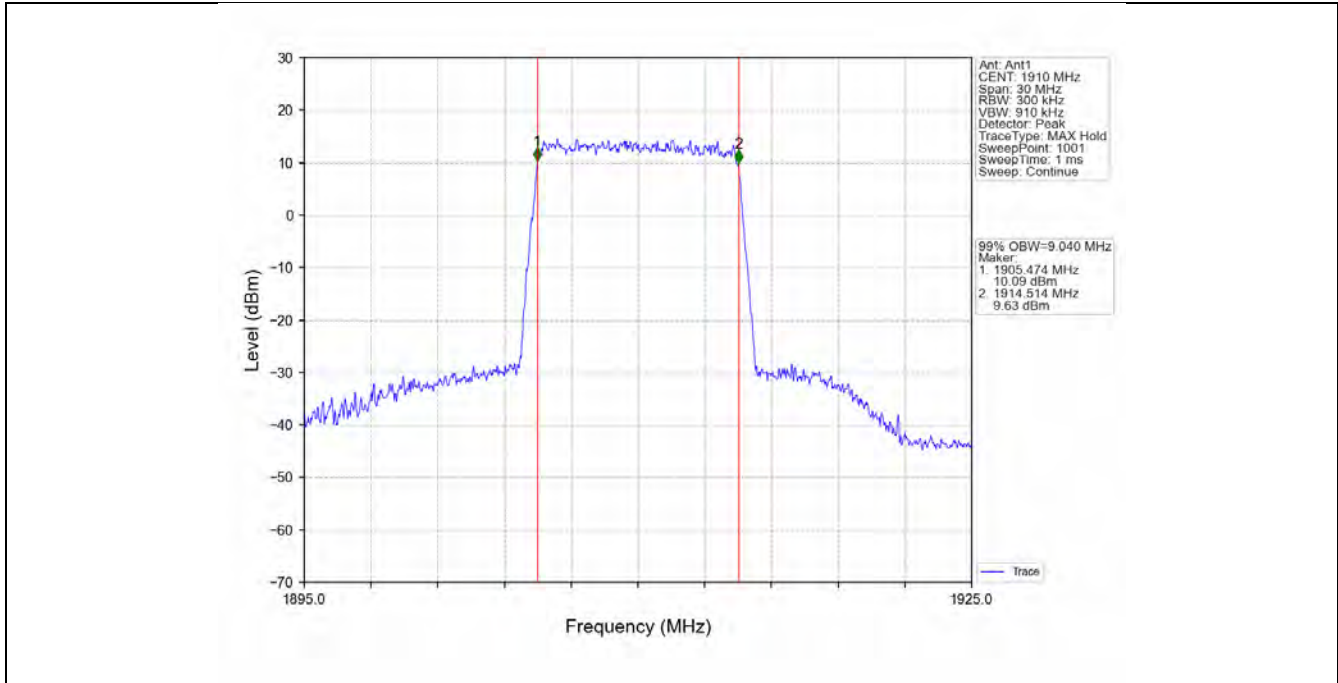


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Report No.: SZCR240100038408

Rev.: 01

Page: 81 of 504



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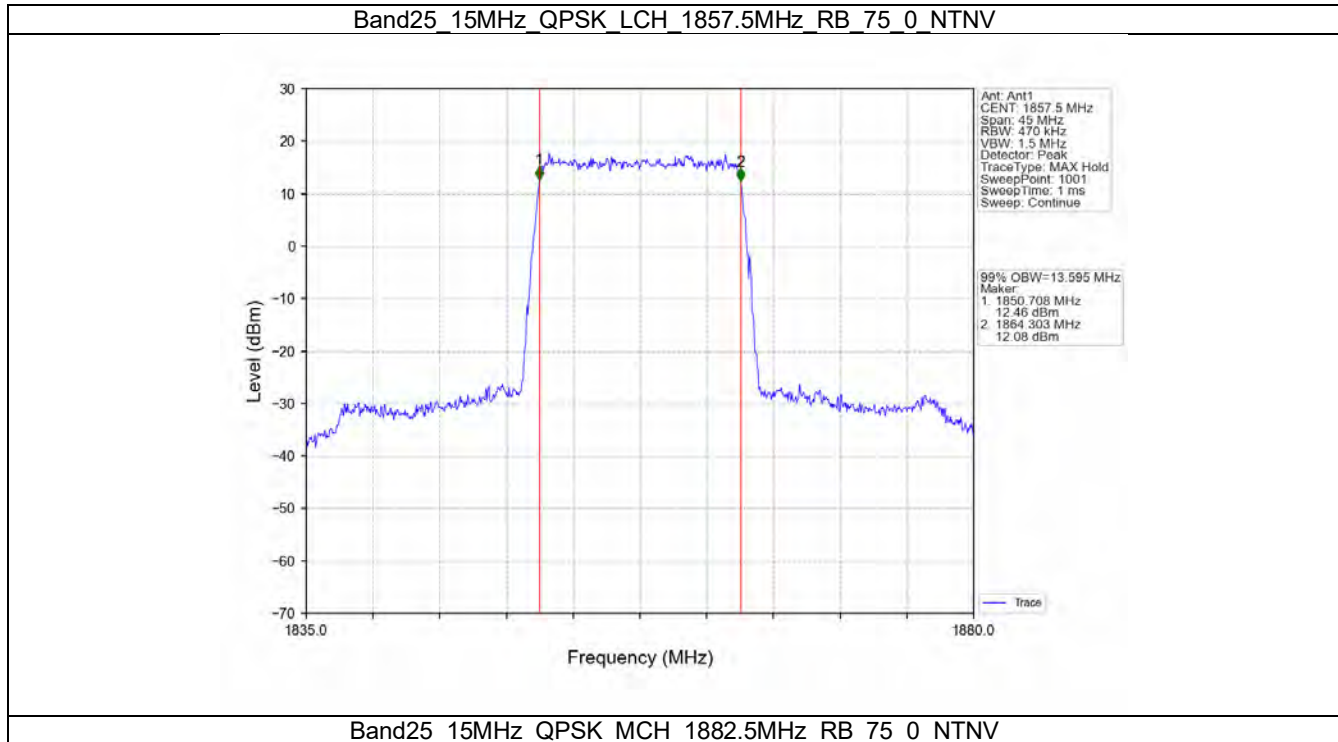


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Report No.: SZCR240100038408

Rev.: 01

Page: 82 of 504



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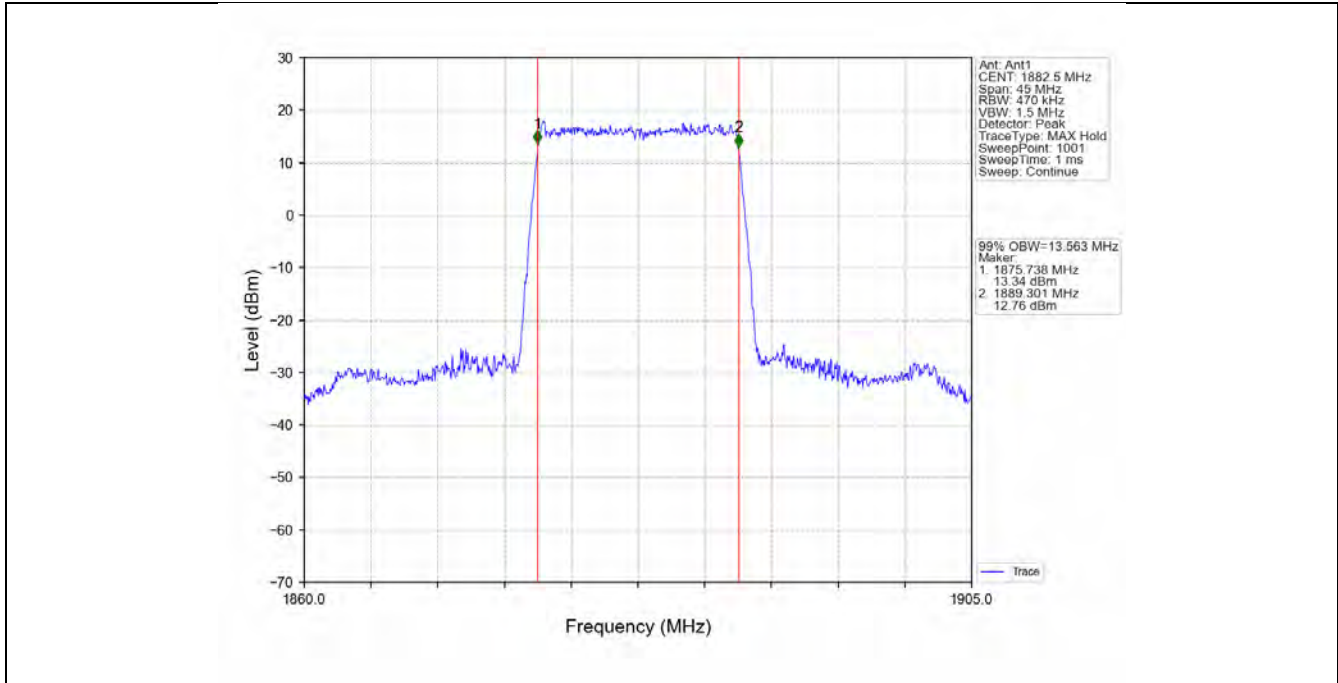


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Report No.: SZCR240100038408

Rev.: 01

Page: 83 of 504



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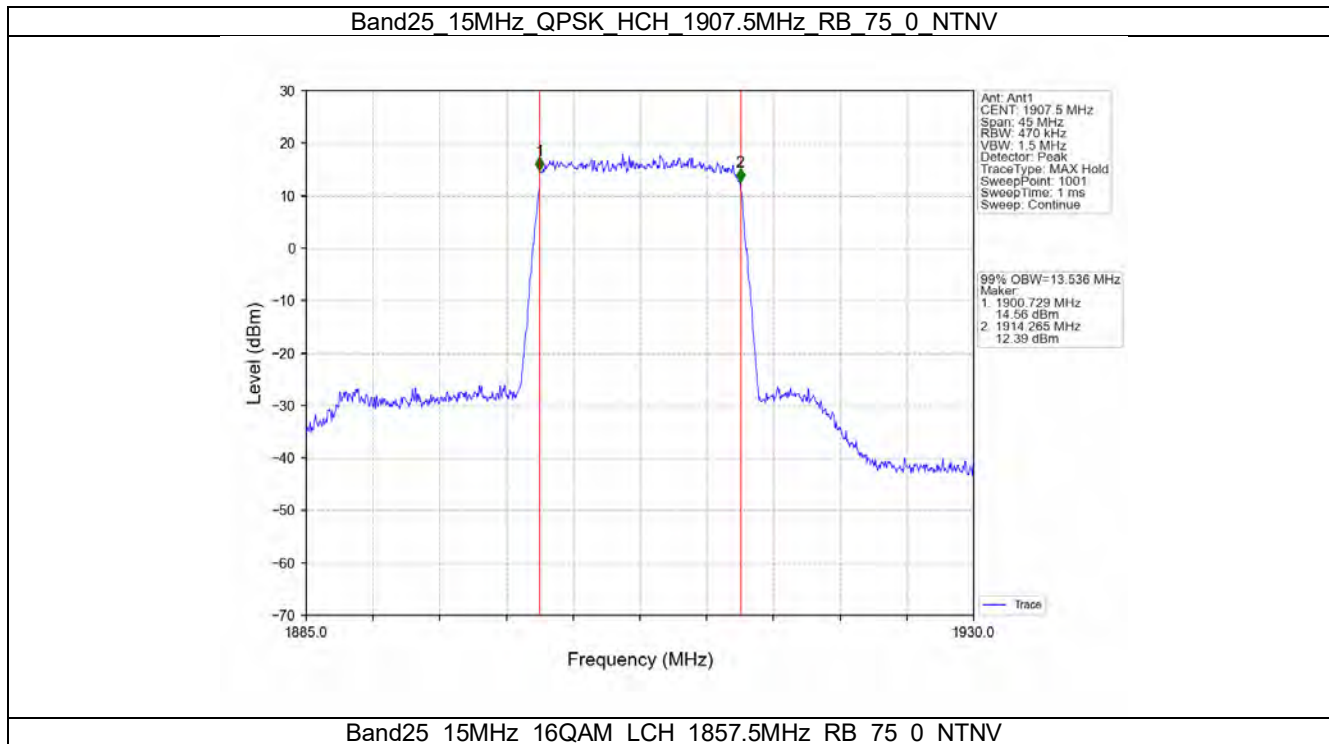
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Report No.: SZCR240100038408
Rev.: 01
Page: 84 of 504



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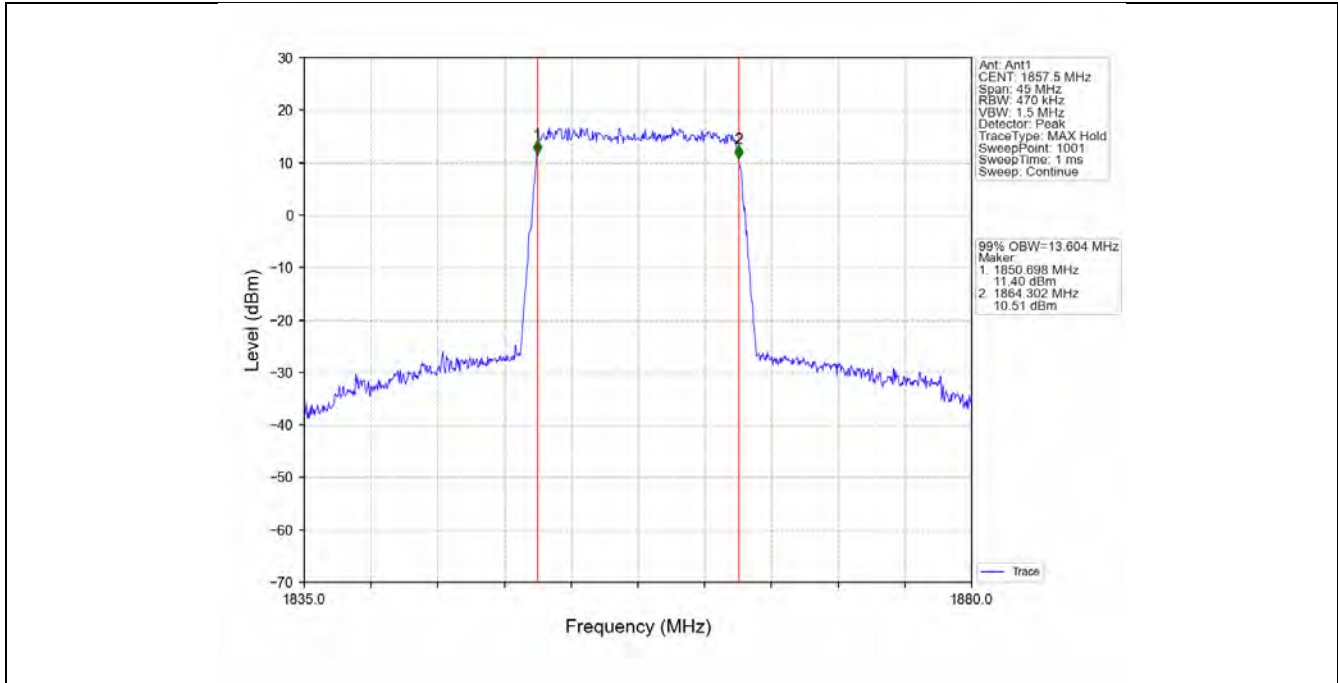


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Report No.: SZCR240100038408

Rev.: 01

Page: 85 of 504



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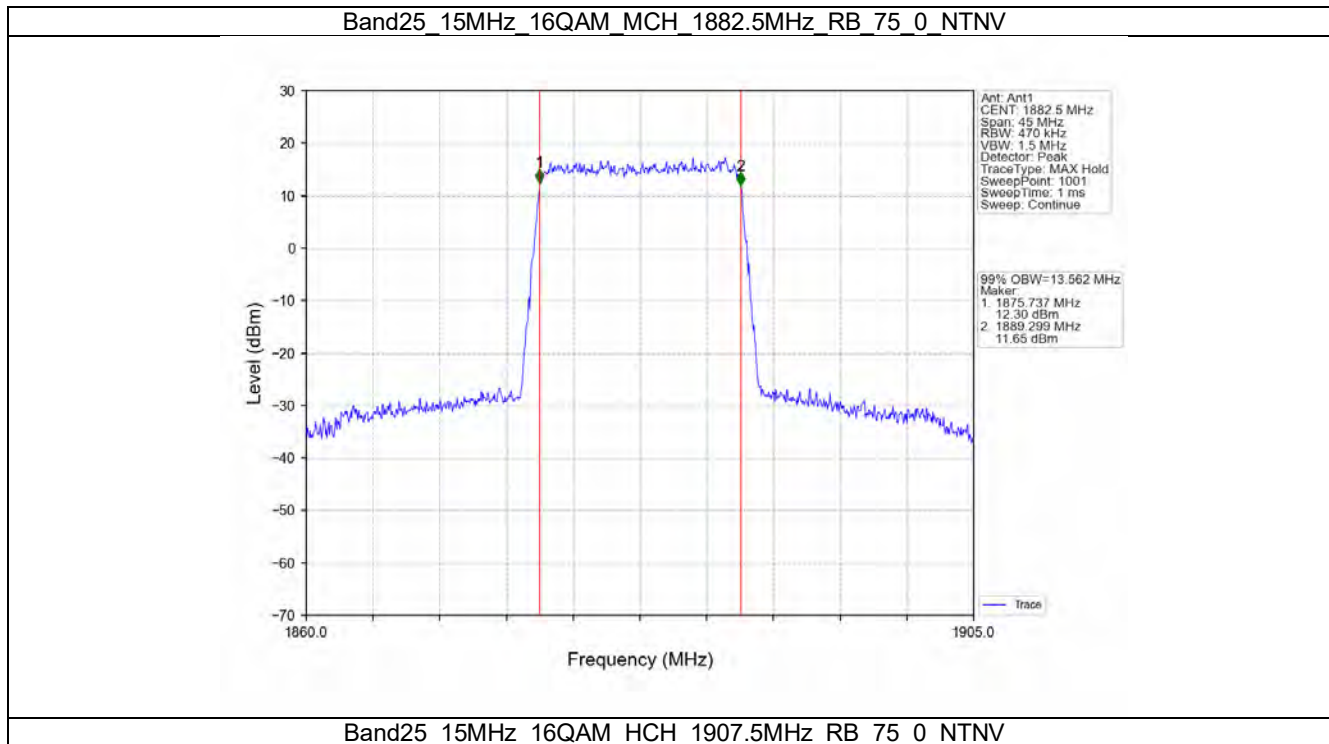
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Report No.: SZCR240100038408
Rev.: 01
Page: 86 of 504



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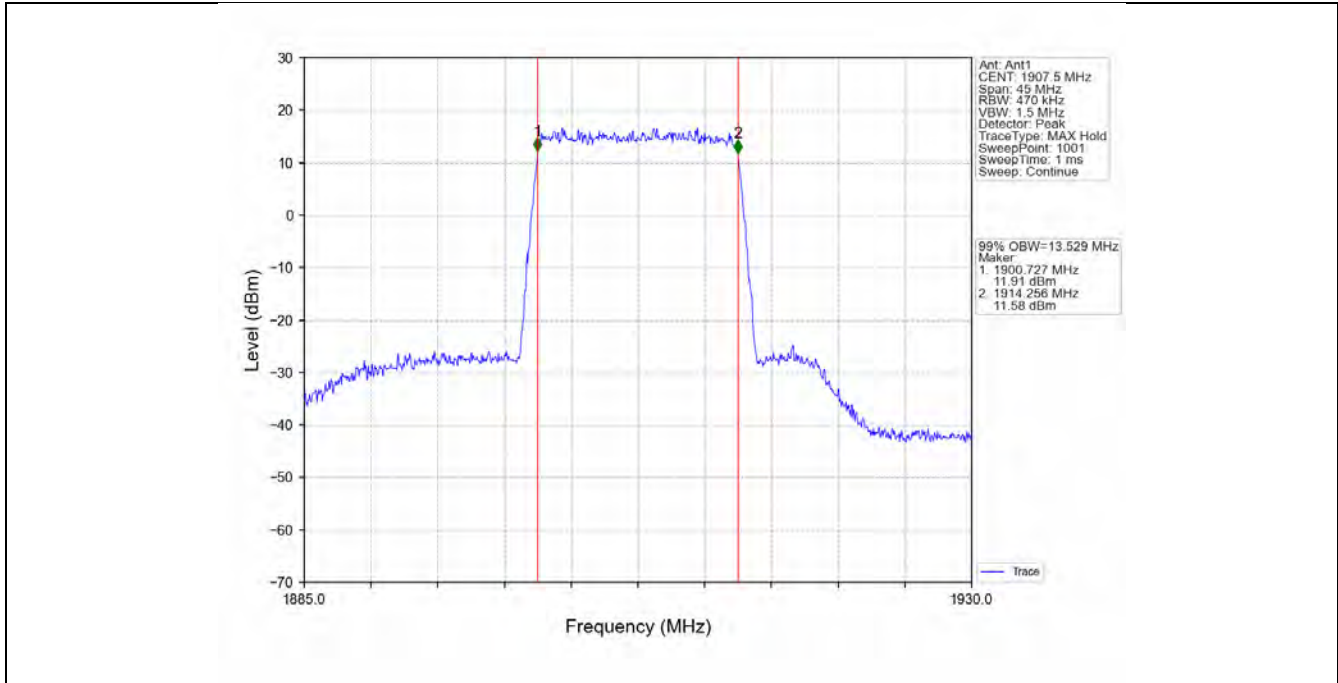


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Report No.: SZCR240100038408

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Page: 87 of 504



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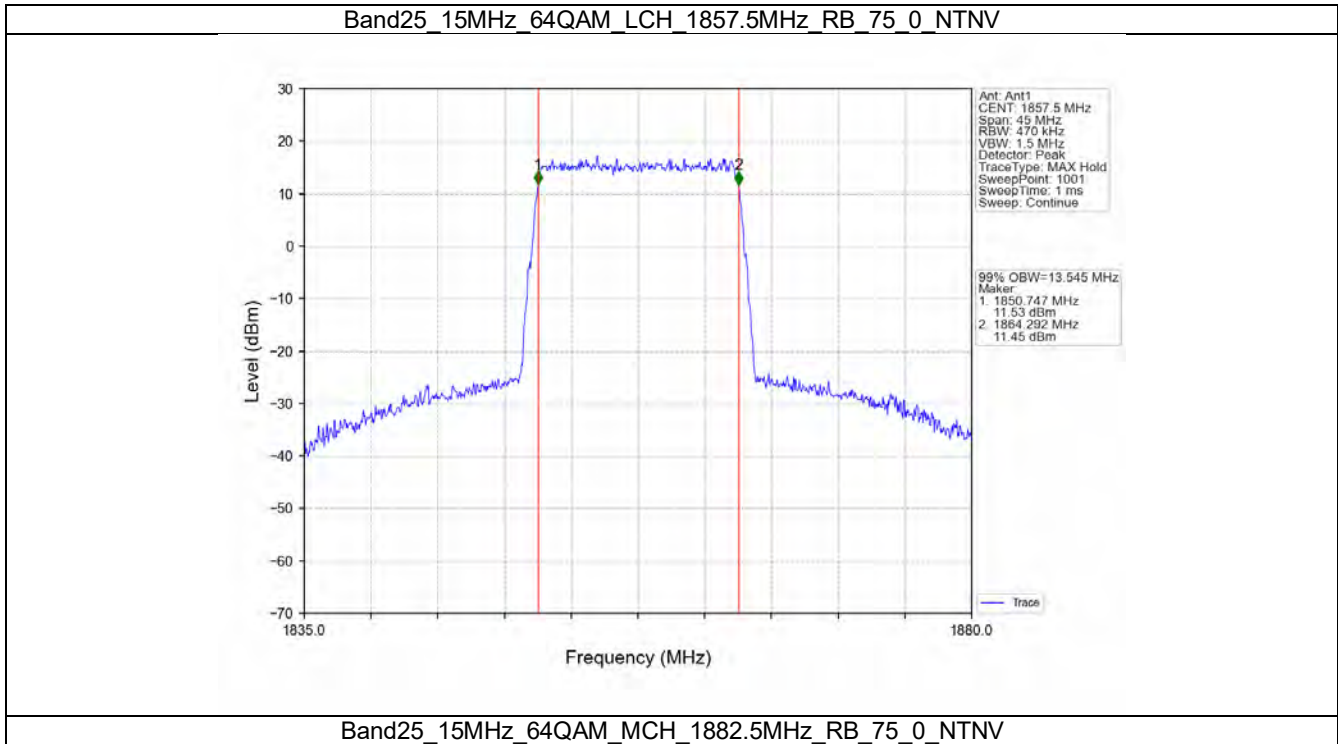


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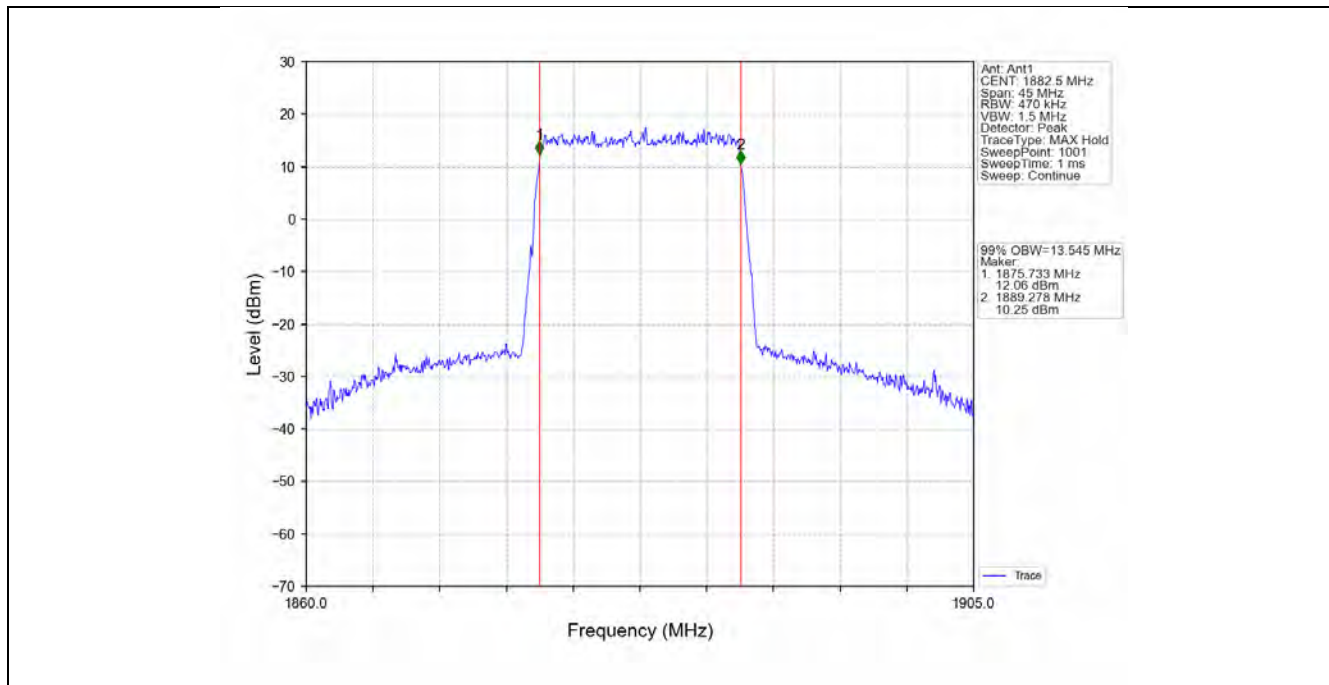
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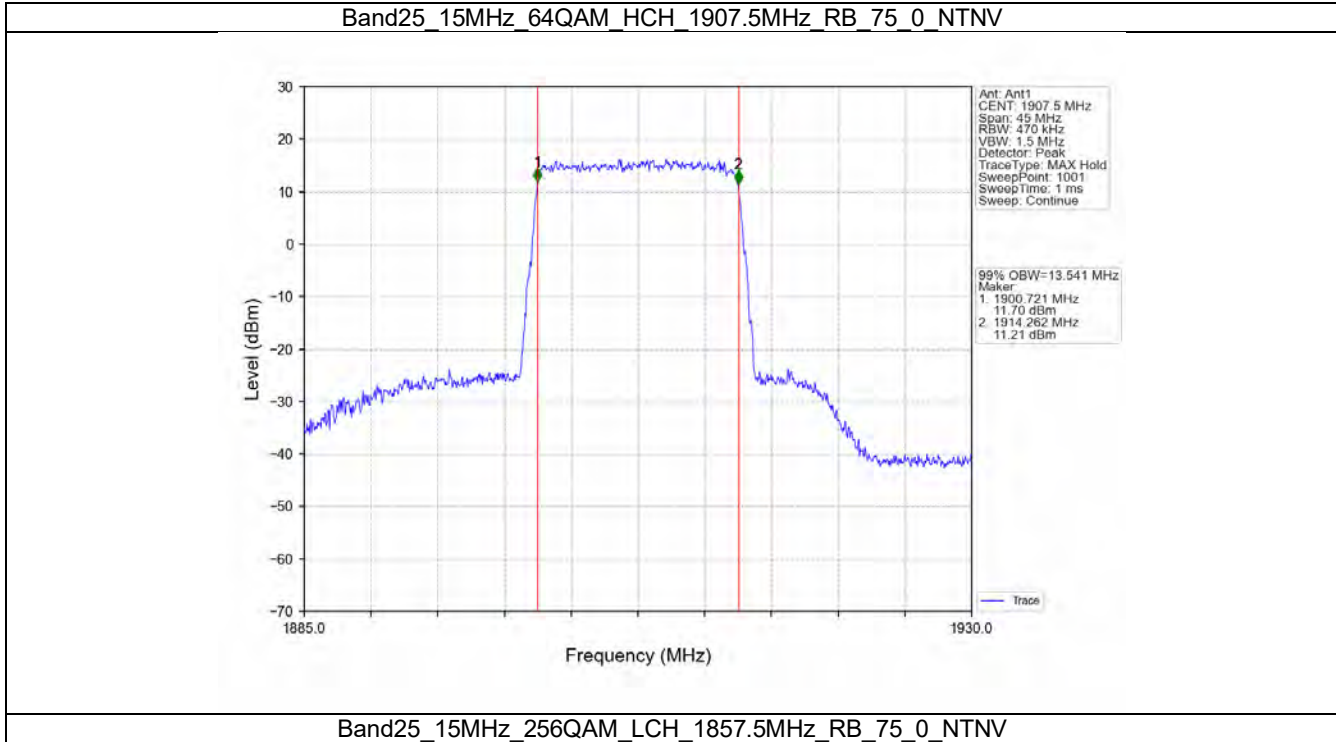


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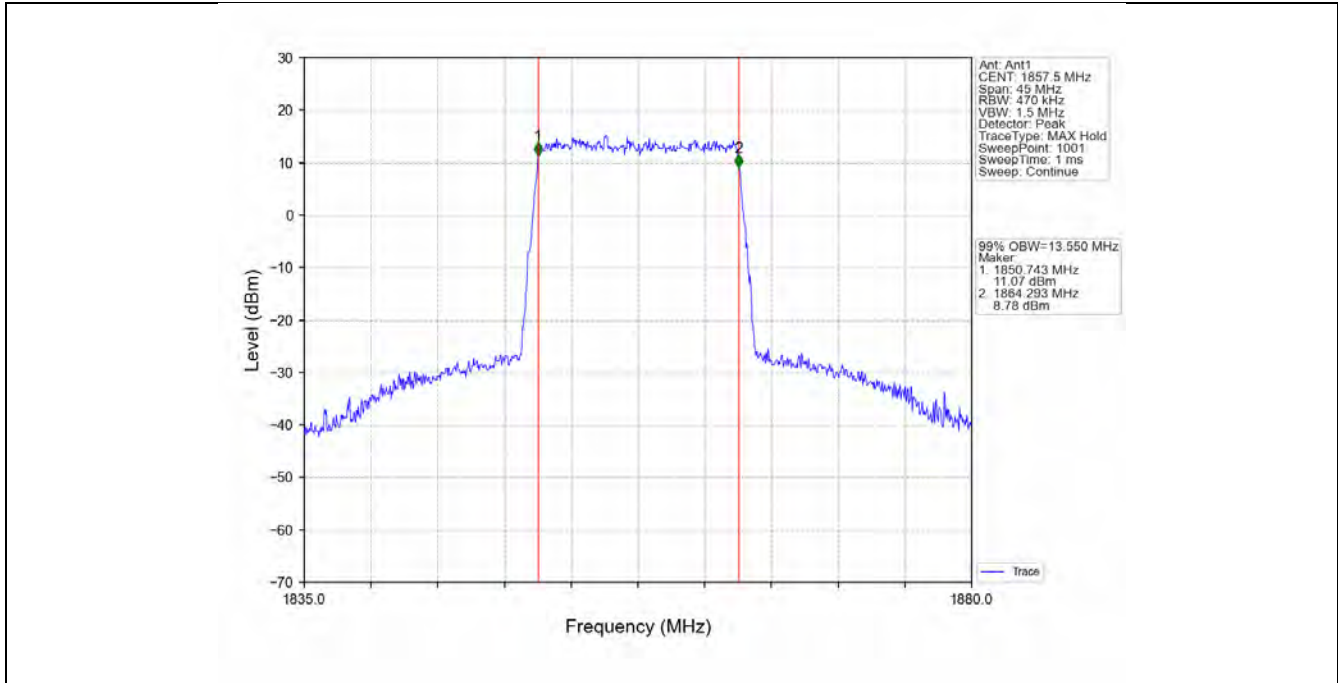


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Report No.: SZCR240100038408

Rev.: 01

Page: 91 of 504



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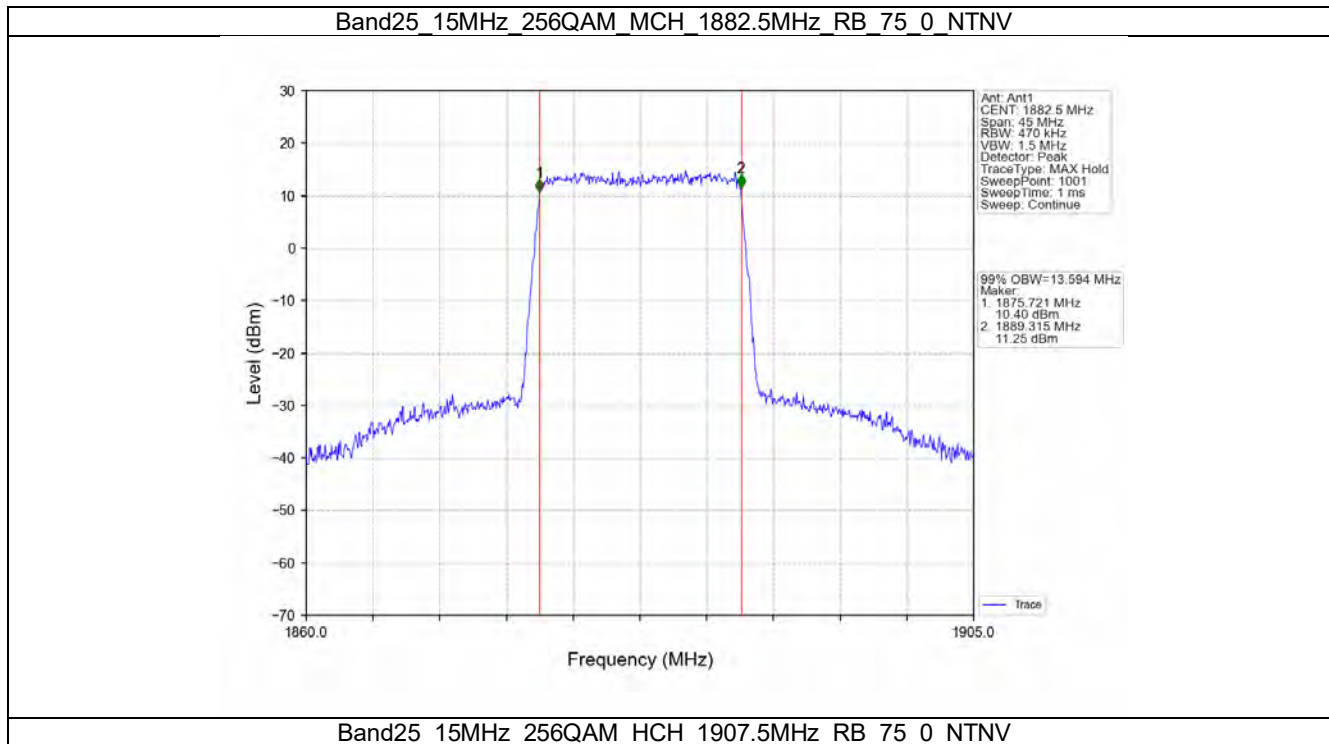
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Report No.: SZCR240100038408
Rev.: 01
Page: 92 of 504



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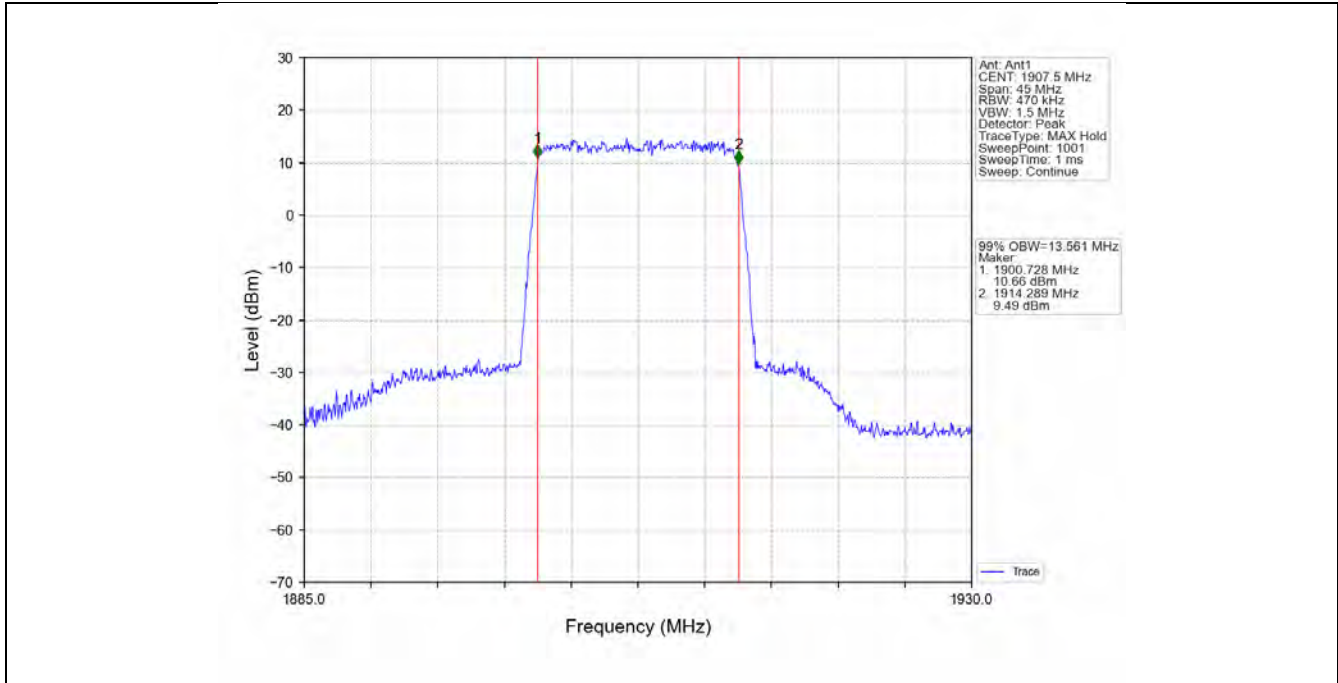


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Report No.: SZCR240100038408

Rev.: 01

Page: 93 of 504



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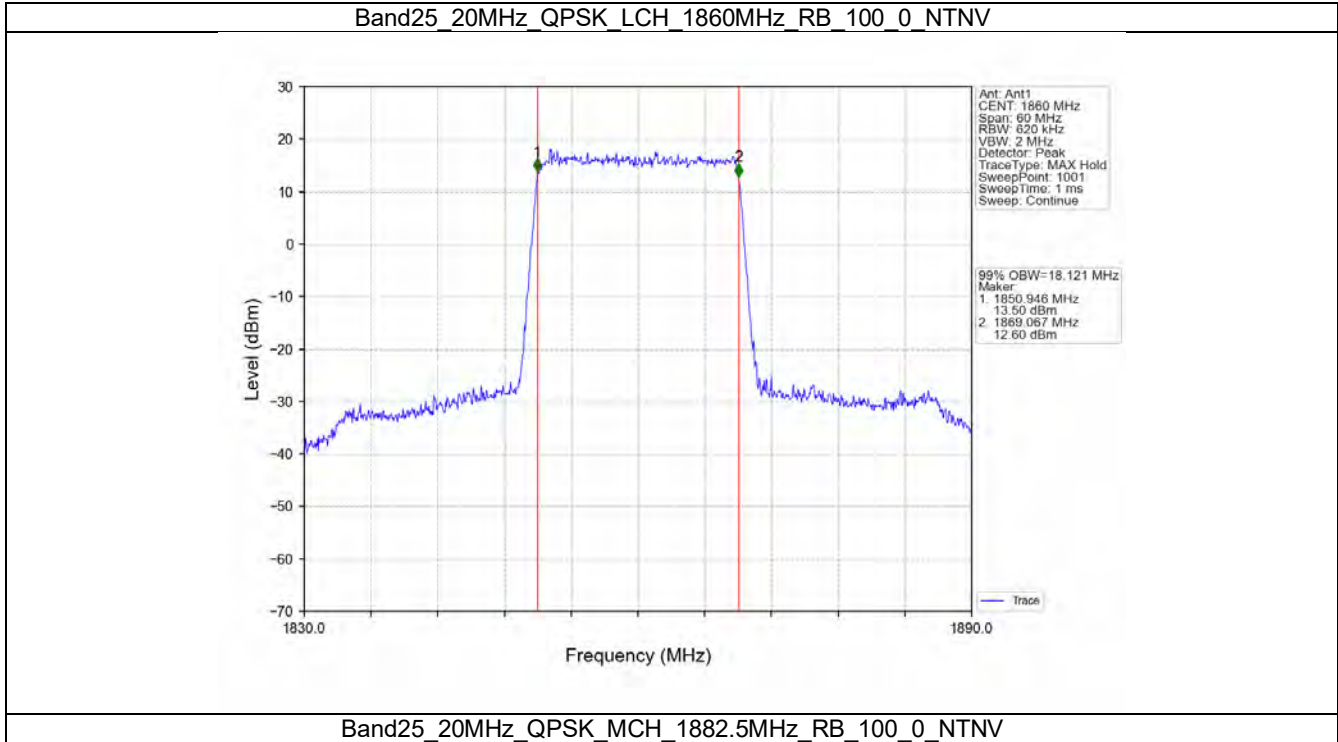


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Report No.: SZCR240100038408

Rev.: 01

Page: 94 of 504



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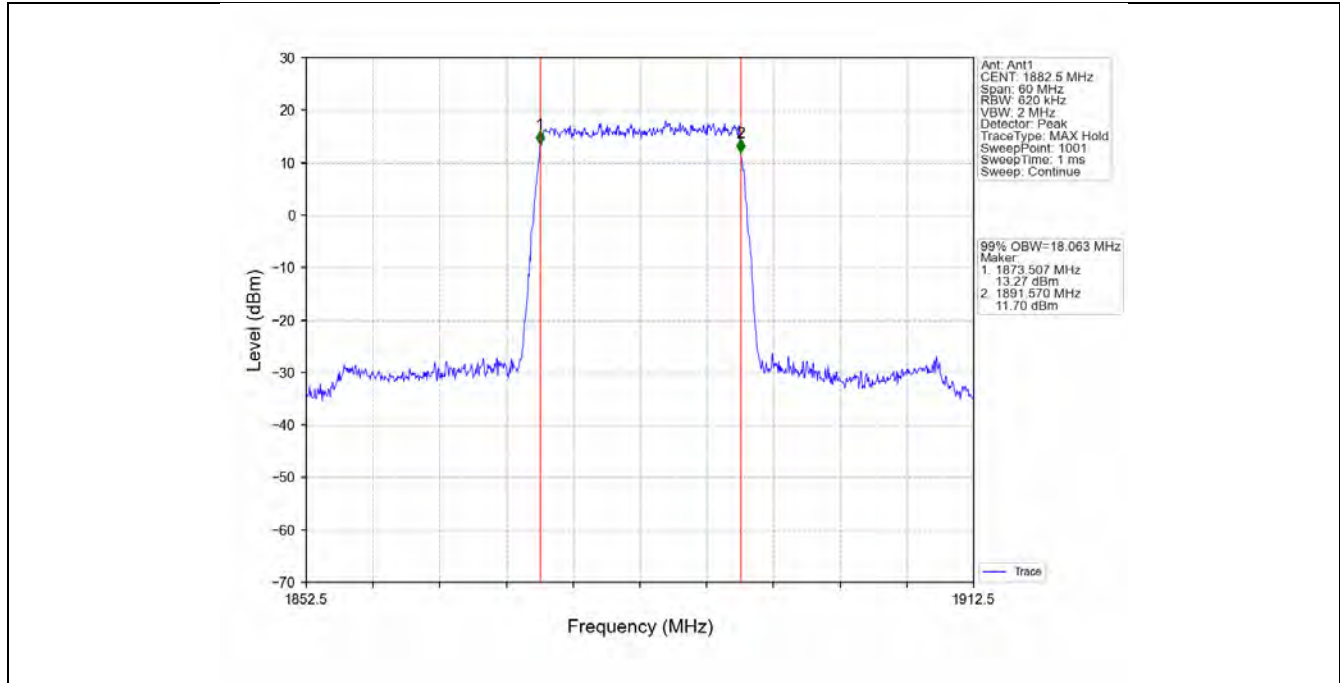


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Report No.: SZCR240100038408

Rev.: 01

Page: 95 of 504



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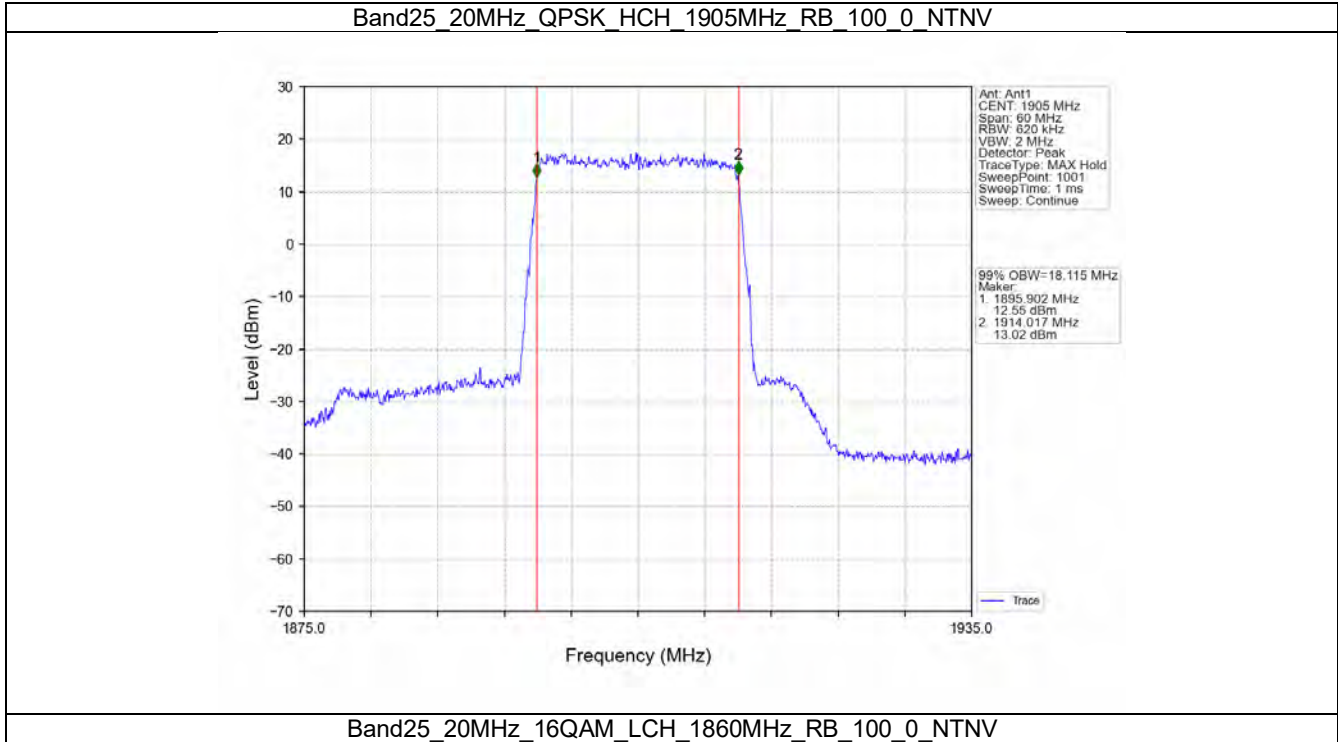


**SGS-CSTC Standards Technical Services Co., Ltd.
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Report No.: SZCR240100038408

Rev.: 01

Page: 96 of 504



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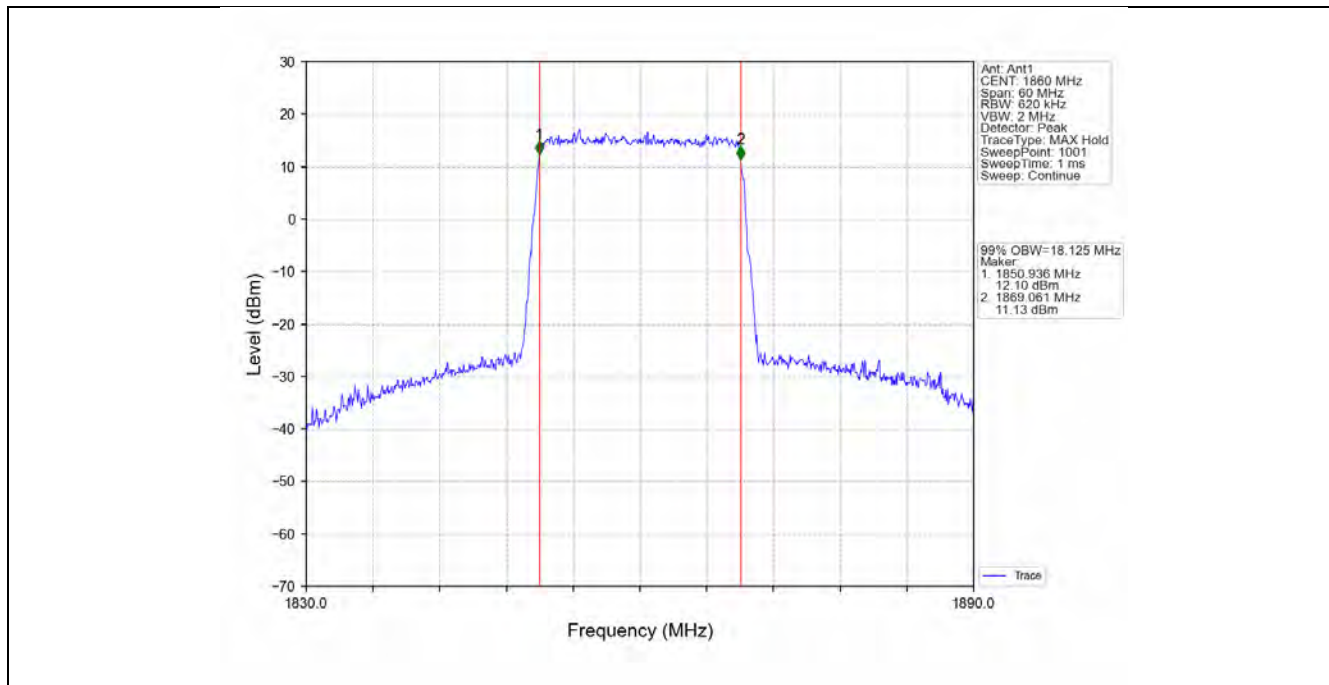
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Report No.: SZCR240100038408
Rev.: 01
Page: 97 of 504



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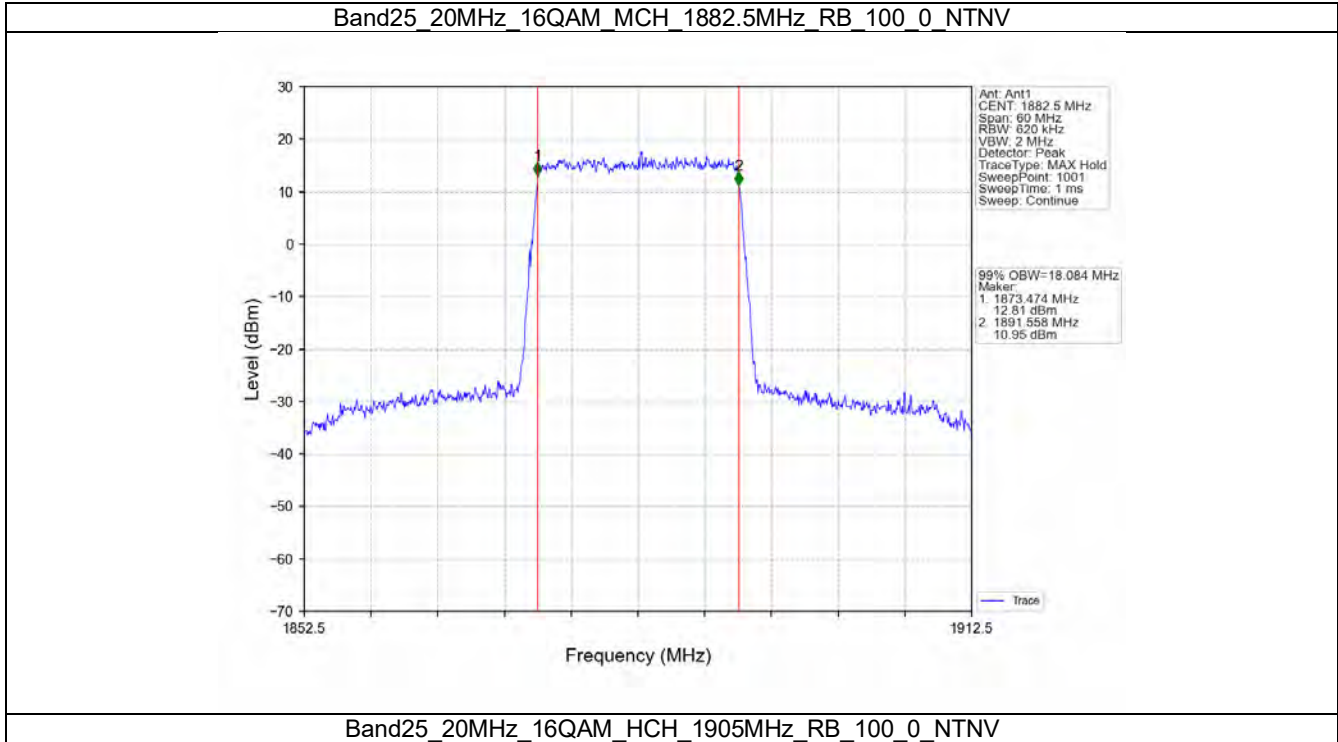


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Report No.: SZCR240100038408

Rev.: 01

Page: 98 of 504



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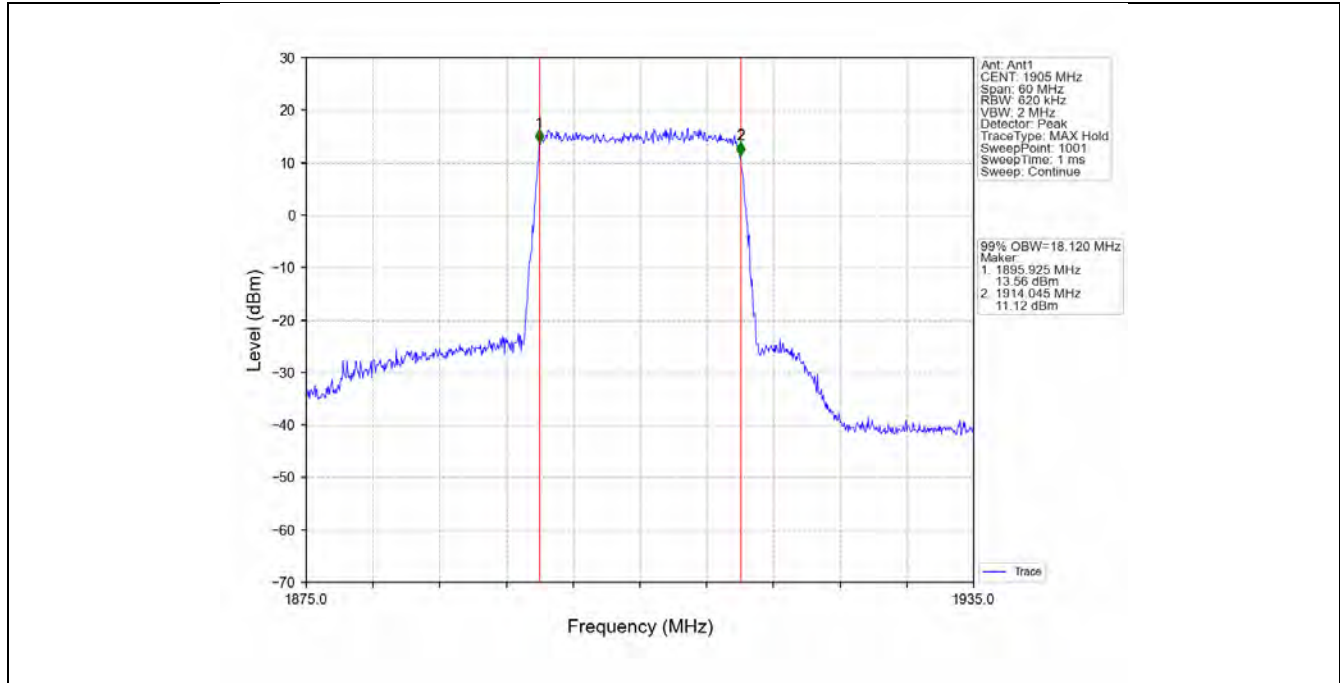


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Report No.: SZCR240100038408

Rev.: 01

Page: 99 of 504



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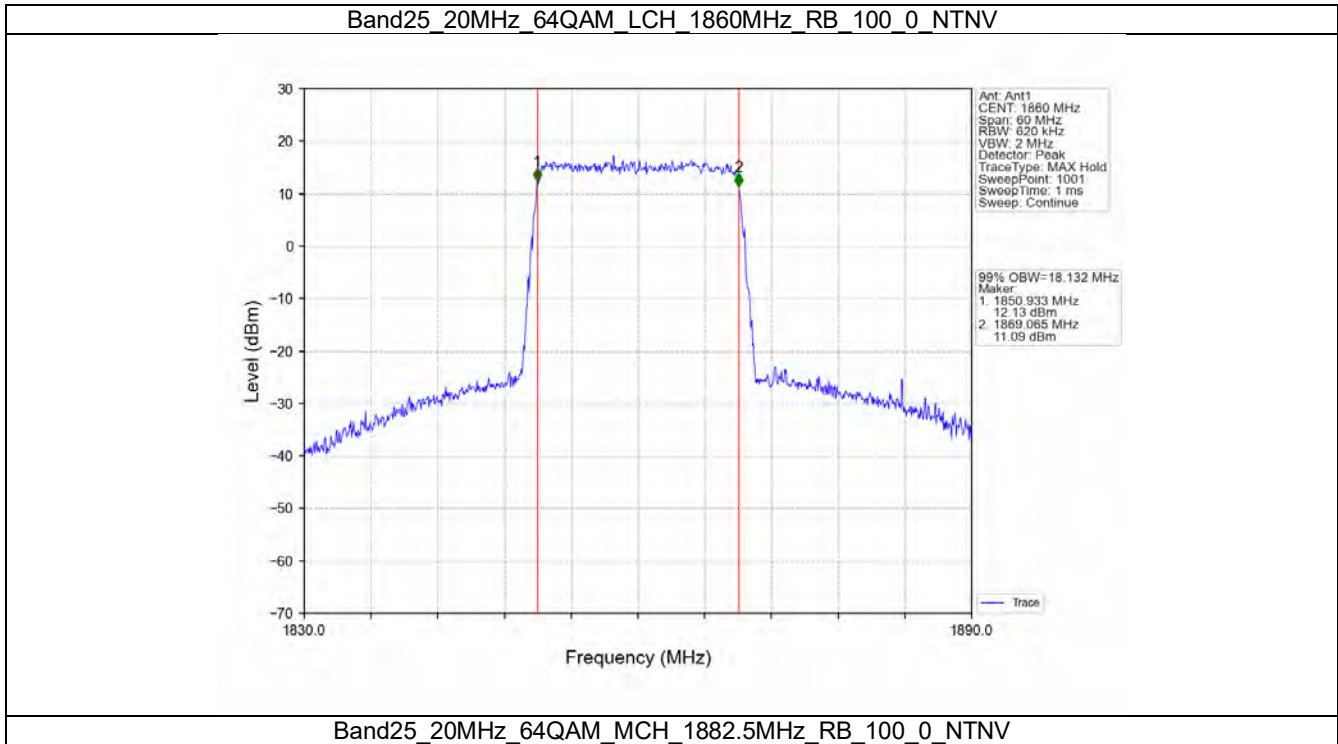


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Report No.: SZCR240100038408

Rev.: 01

Page: 100 of 504



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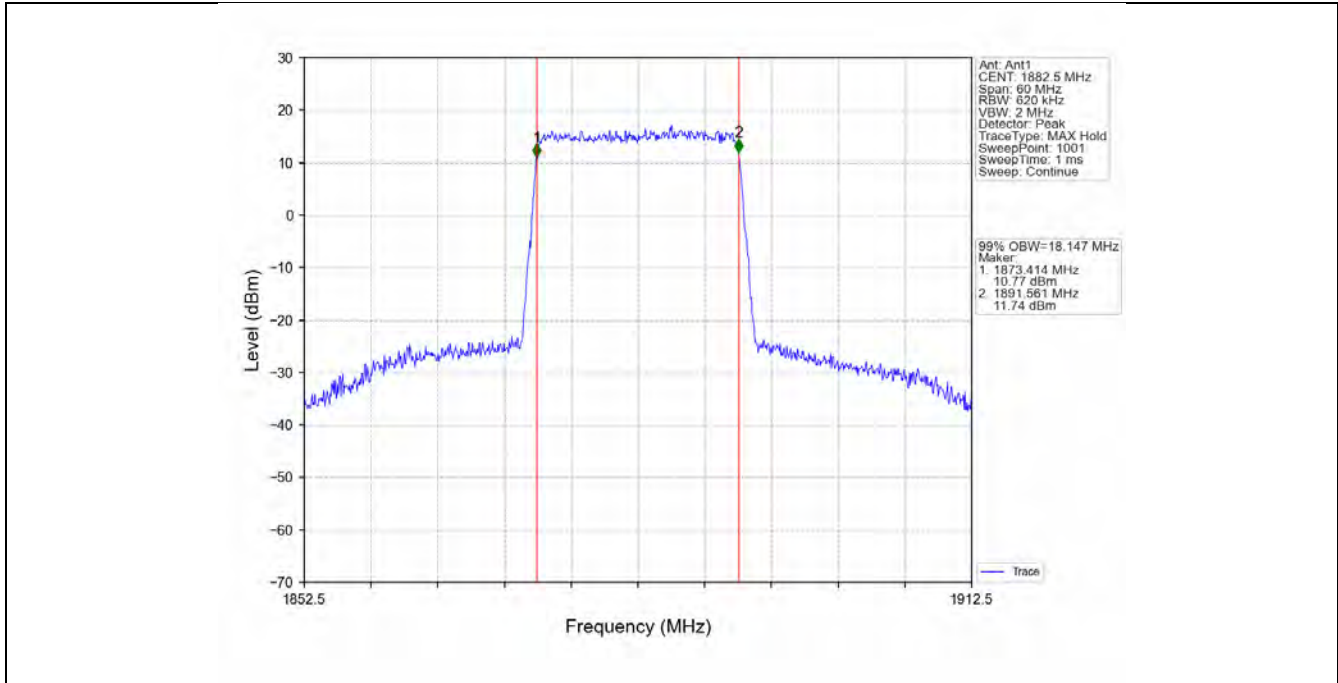


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Rev.: 01

Page: 101 of 504



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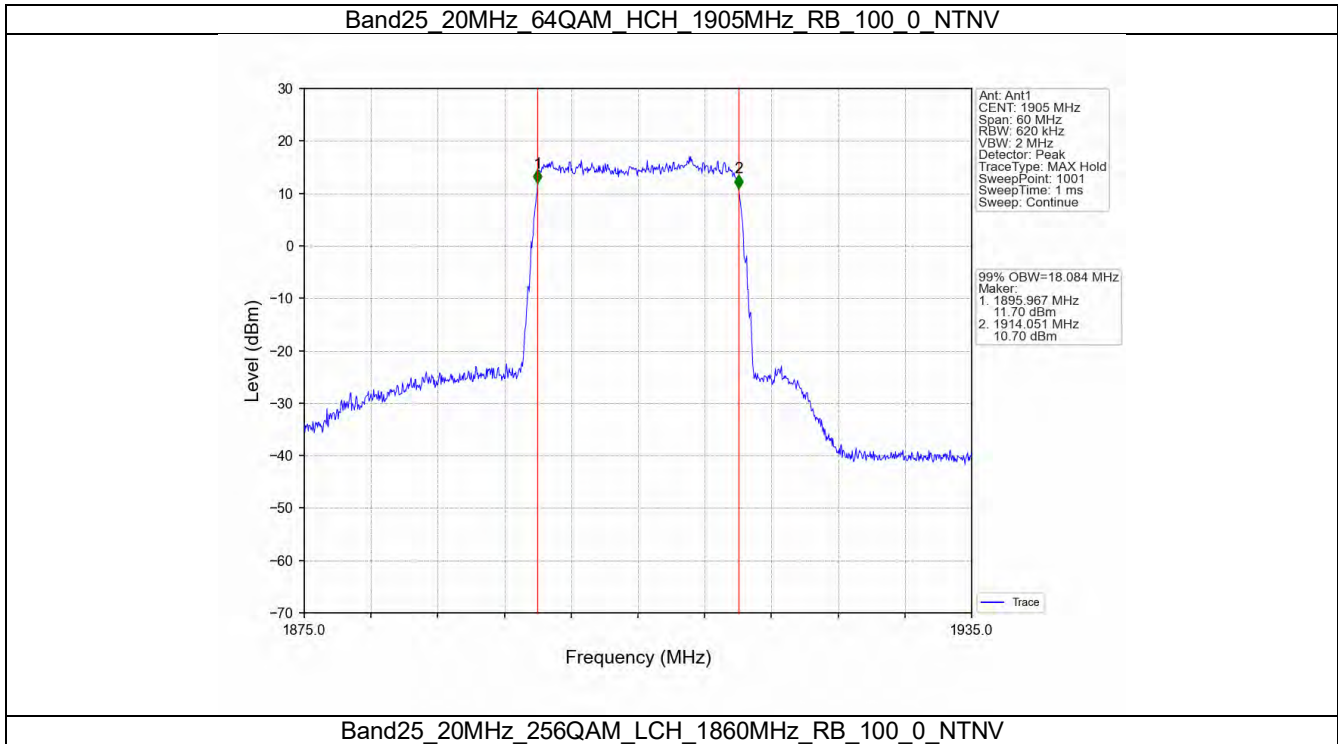


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Report No.: SZCR240100038408

Rev.: 01

Page: 102 of 504



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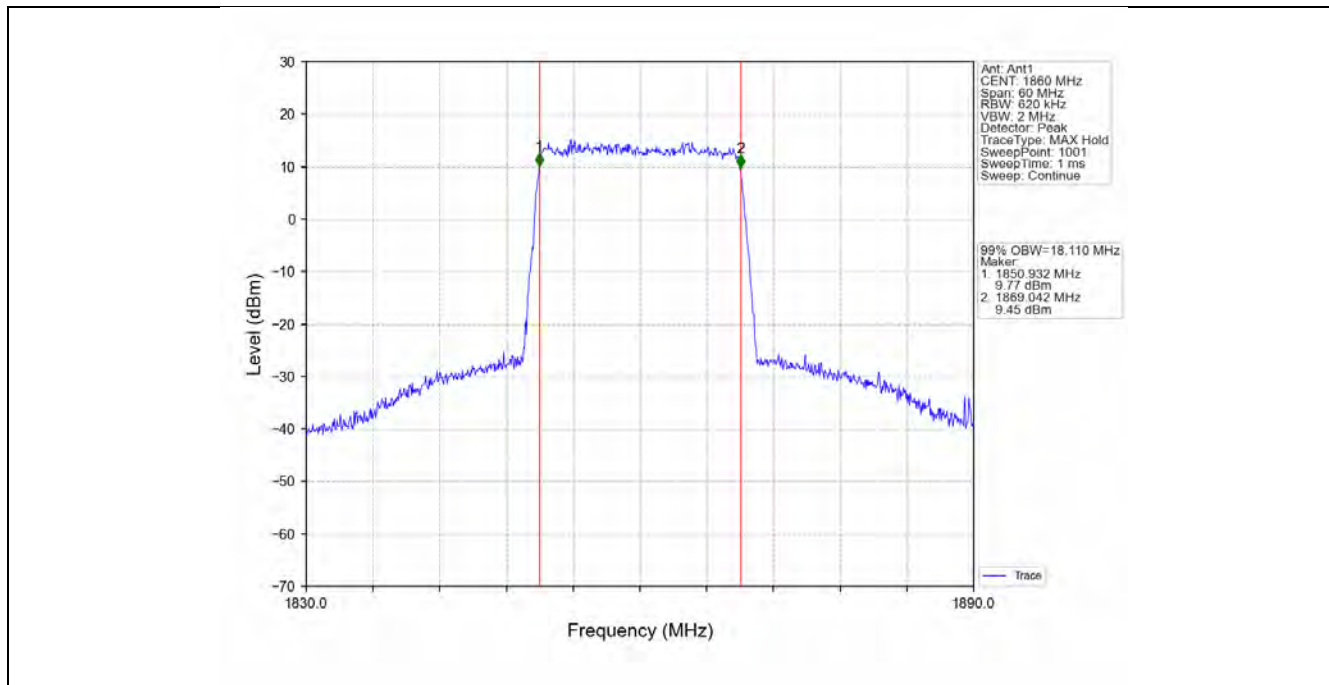
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Rev.: 01
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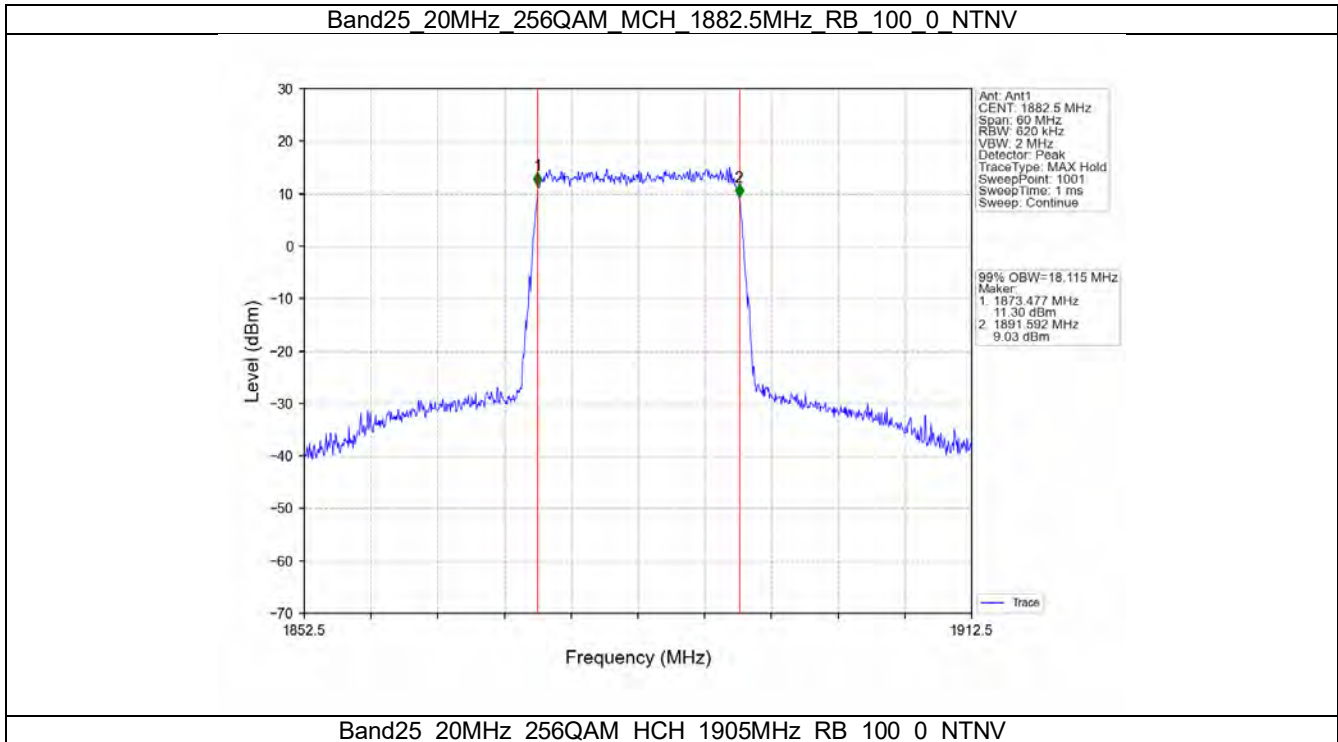


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Report No.: SZCR240100038408

Rev.: 01

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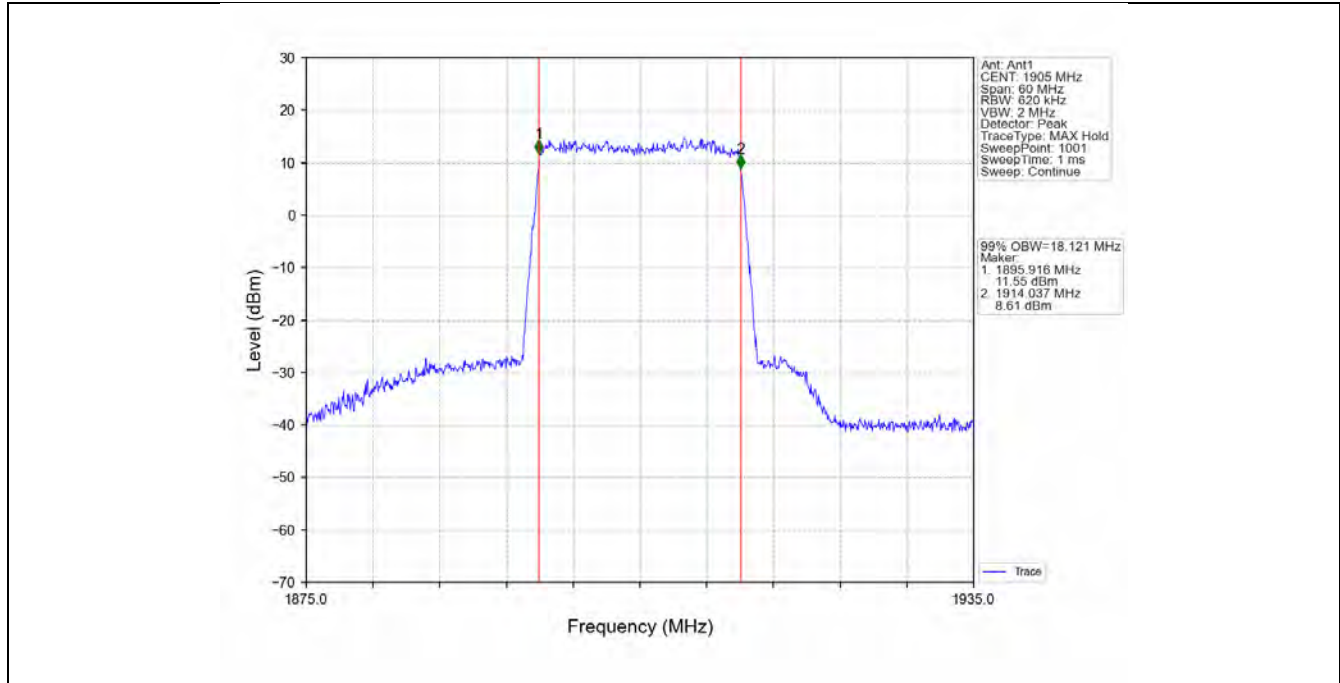


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Rev.: 01

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Report No.: SZCR240100038408

Rev.: 01

Page: 106 of 504

3.2 Band25_XDB

3.2.1 Test Result

Band: 25 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.257	/	Pass
		1882.5	6	0	1.259	/	Pass
		1914.3	6	0	1.257	/	Pass
	16QAM	1850.7	6	0	1.253	/	Pass
		1882.5	6	0	1.262	/	Pass
		1914.3	6	0	1.267	/	Pass
	64QAM	1850.7	6	0	1.253	/	Pass
		1882.5	6	0	1.264	/	Pass
		1914.3	6	0	1.272	/	Pass
	256QAM	1850.7	6	0	1.264	/	Pass
		1882.5	6	0	1.256	/	Pass
		1914.3	6	0	1.262	/	Pass
3	QPSK	1851.5	15	0	3.064	/	Pass
		1882.5	15	0	3.055	/	Pass
		1913.5	15	0	3.061	/	Pass
	16QAM	1851.5	15	0	3.068	/	Pass
		1882.5	15	0	3.068	/	Pass
		1913.5	15	0	3.061	/	Pass
	64QAM	1851.5	15	0	3.066	/	Pass
		1882.5	15	0	3.067	/	Pass
		1913.5	15	0	3.072	/	Pass
	256QAM	1851.5	15	0	3.056	/	Pass
		1882.5	15	0	3.057	/	Pass
		1913.5	15	0	3.054	/	Pass
5	QPSK	1852.5	25	0	5.065	/	Pass
		1882.5	25	0	5.064	/	Pass
		1912.5	25	0	5.061	/	Pass
	16QAM	1852.5	25	0	5.052	/	Pass
		1882.5	25	0	5.052	/	Pass
		1912.5	25	0	5.011	/	Pass
	64QAM	1852.5	25	0	5.065	/	Pass
		1882.5	25	0	5.033	/	Pass
		1912.5	25	0	5.030	/	Pass
	256QAM	1852.5	25	0	5.043	/	Pass
		1882.5	25	0	5.043	/	Pass
		1912.5	25	0	5.040	/	Pass
10	QPSK	1855	50	0	10.051	/	Pass
		1882.5	50	0	10.022	/	Pass



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

Report No.: SZCR240100038408

Rev.: 01

Page: 107 of 504

	16QAM	1910	50	0	9.918	/	Pass	
		1855	50	0	9.995	/	Pass	
		1882.5	50	0	9.989	/	Pass	
	64QAM	1910	50	0	9.898	/	Pass	
		1855	50	0	9.962	/	Pass	
		1882.5	50	0	10.018	/	Pass	
	256QAM	1910	50	0	9.978	/	Pass	
		1855	50	0	9.981	/	Pass	
		1882.5	50	0	10.019	/	Pass	
	15	QPSK	1857.5	75	0	14.984	/	Pass
			1882.5	75	0	14.891	/	Pass
			1907.5	75	0	14.905	/	Pass
16QAM		1857.5	75	0	14.907	/	Pass	
		1882.5	75	0	14.845	/	Pass	
		1907.5	75	0	14.931	/	Pass	
64QAM		1857.5	75	0	14.915	/	Pass	
		1882.5	75	0	14.858	/	Pass	
		1907.5	75	0	14.989	/	Pass	
256QAM		1857.5	75	0	14.920	/	Pass	
		1882.5	75	0	14.931	/	Pass	
		1907.5	75	0	14.952	/	Pass	
20	QPSK	1860	100	0	19.721	/	Pass	
		1882.5	100	0	19.915	/	Pass	
		1905	100	0	20.101	/	Pass	
	16QAM	1860	100	0	19.918	/	Pass	
		1882.5	100	0	19.736	/	Pass	
		1905	100	0	19.867	/	Pass	
	64QAM	1860	100	0	19.917	/	Pass	
		1882.5	100	0	19.875	/	Pass	
		1905	100	0	19.842	/	Pass	
	256QAM	1860	100	0	19.884	/	Pass	
		1882.5	100	0	19.797	/	Pass	
		1905	100	0	19.879	/	Pass	



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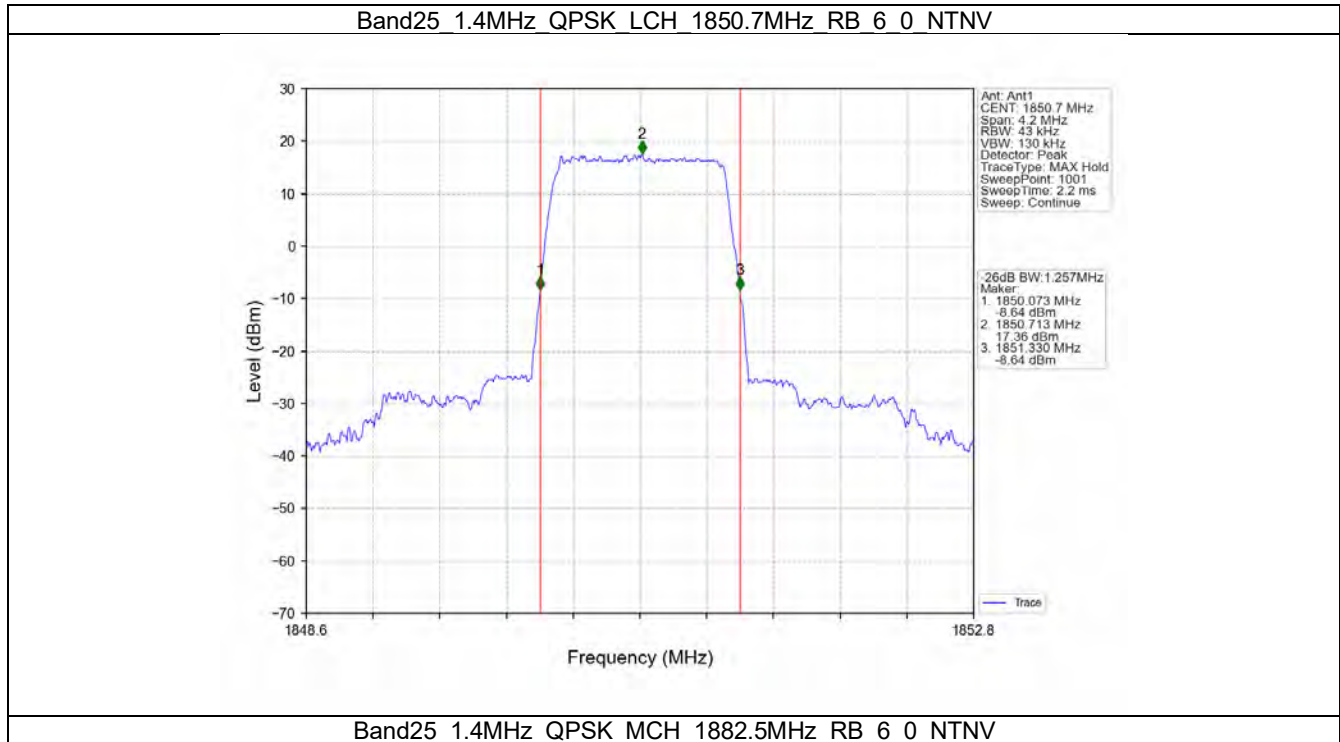
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Report No.: SZCR240100038408

Rev.: 01

Page: 108 of 504

3.2.2 Test Graph



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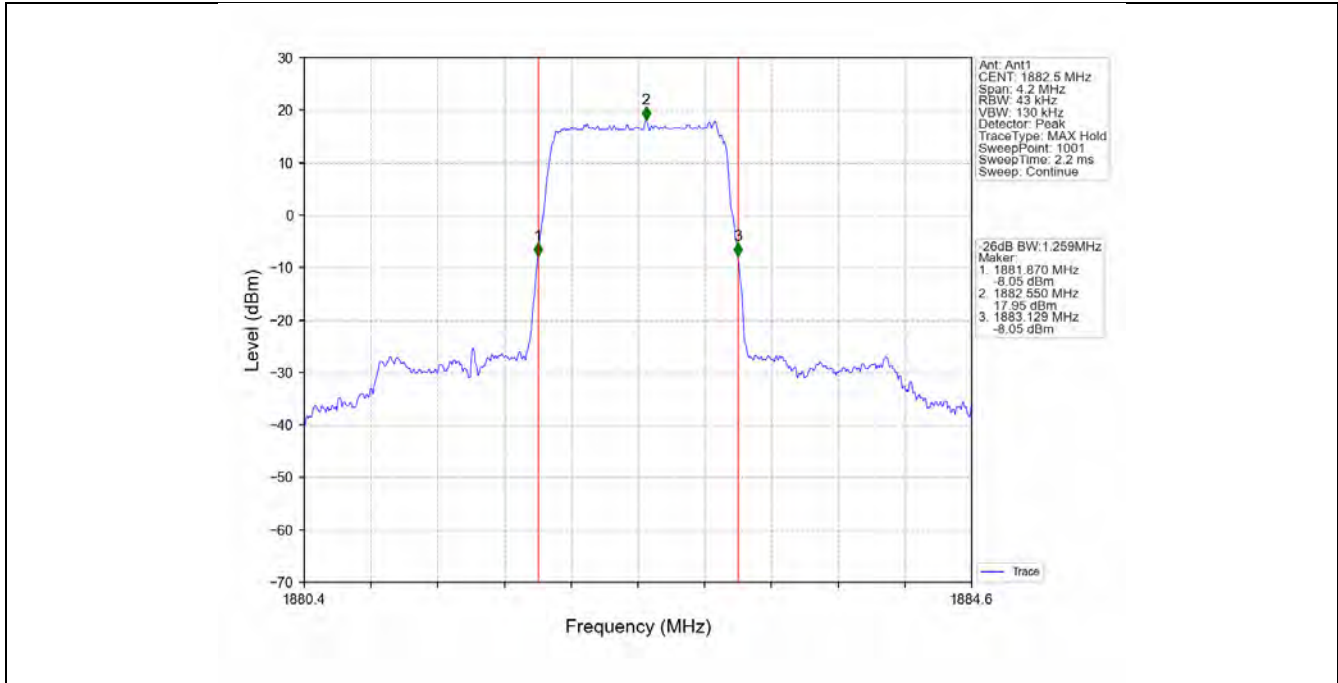


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Report No.: SZCR240100038408

Rev.: 01

Page: 109 of 504



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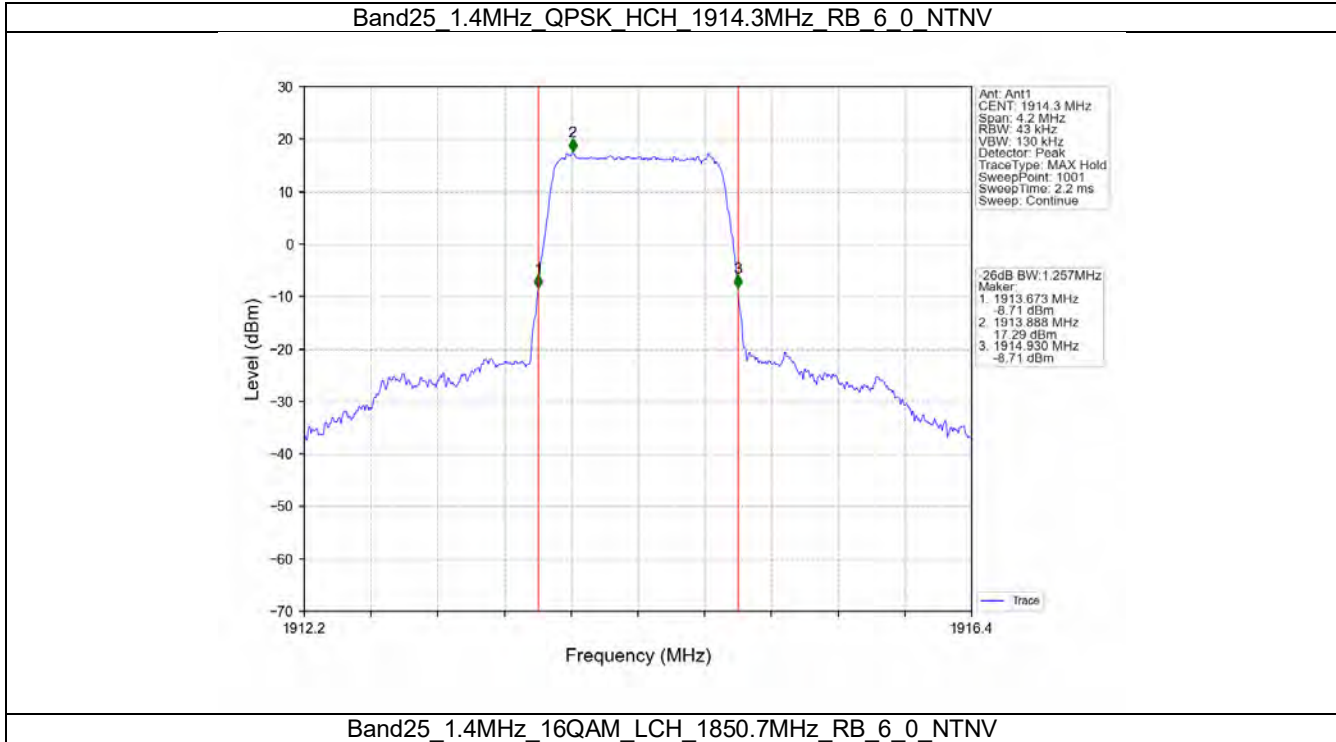


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Report No.: SZCR240100038408

Rev.: 01

Page: 110 of 504



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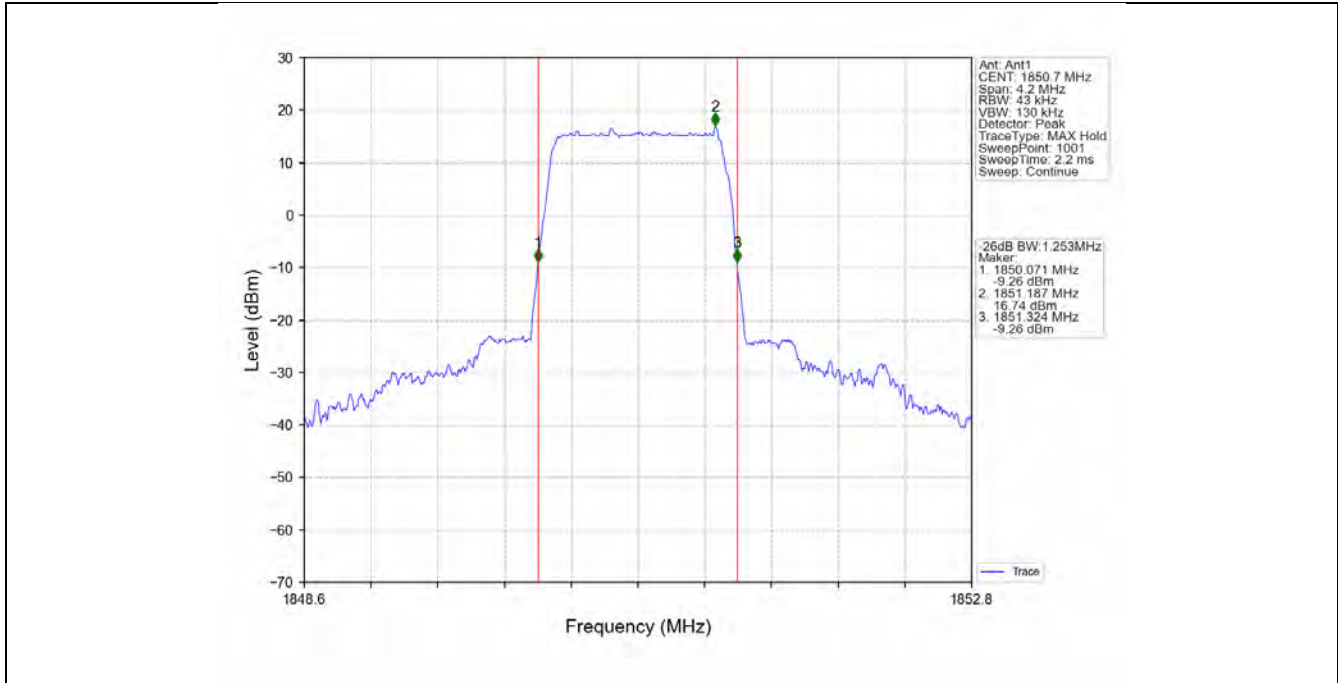


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Report No.: SZCR240100038408

Rev.: 01

Page: 111 of 504



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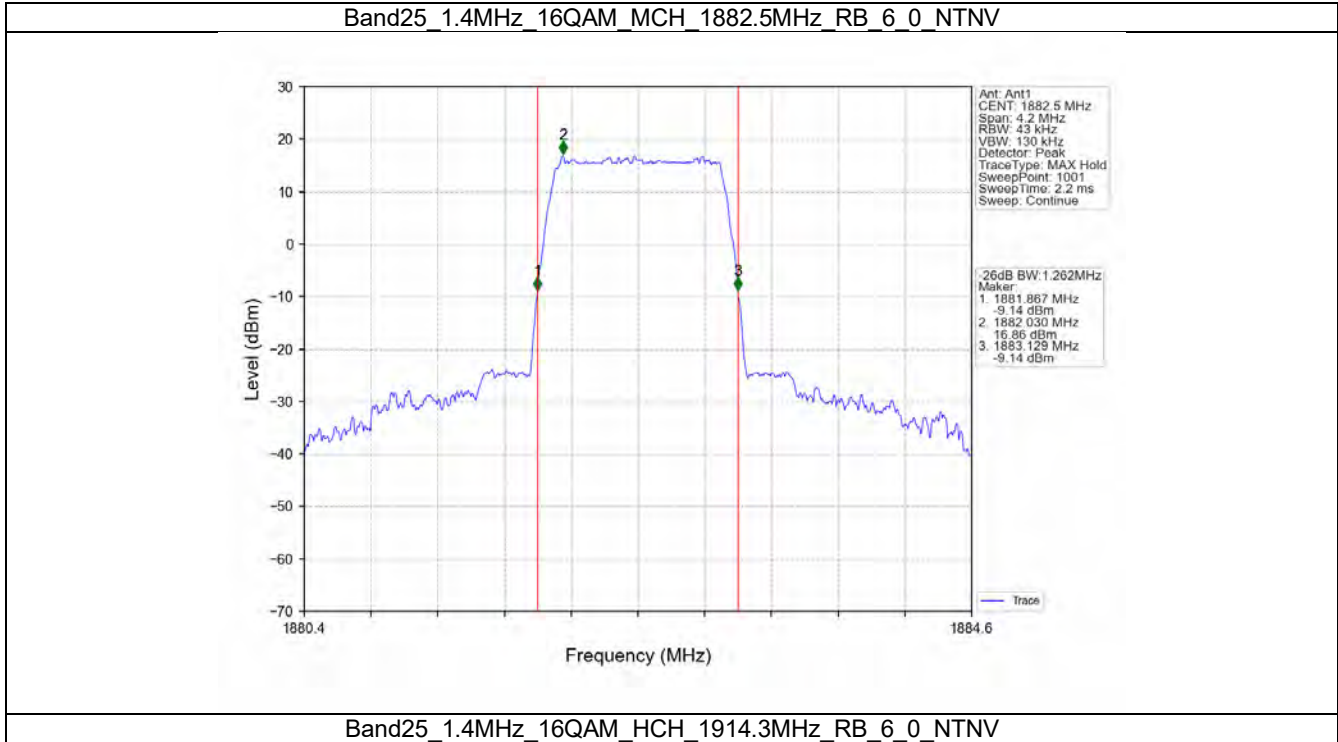


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Report No.: SZCR240100038408

Rev.: 01

Page: 112 of 504



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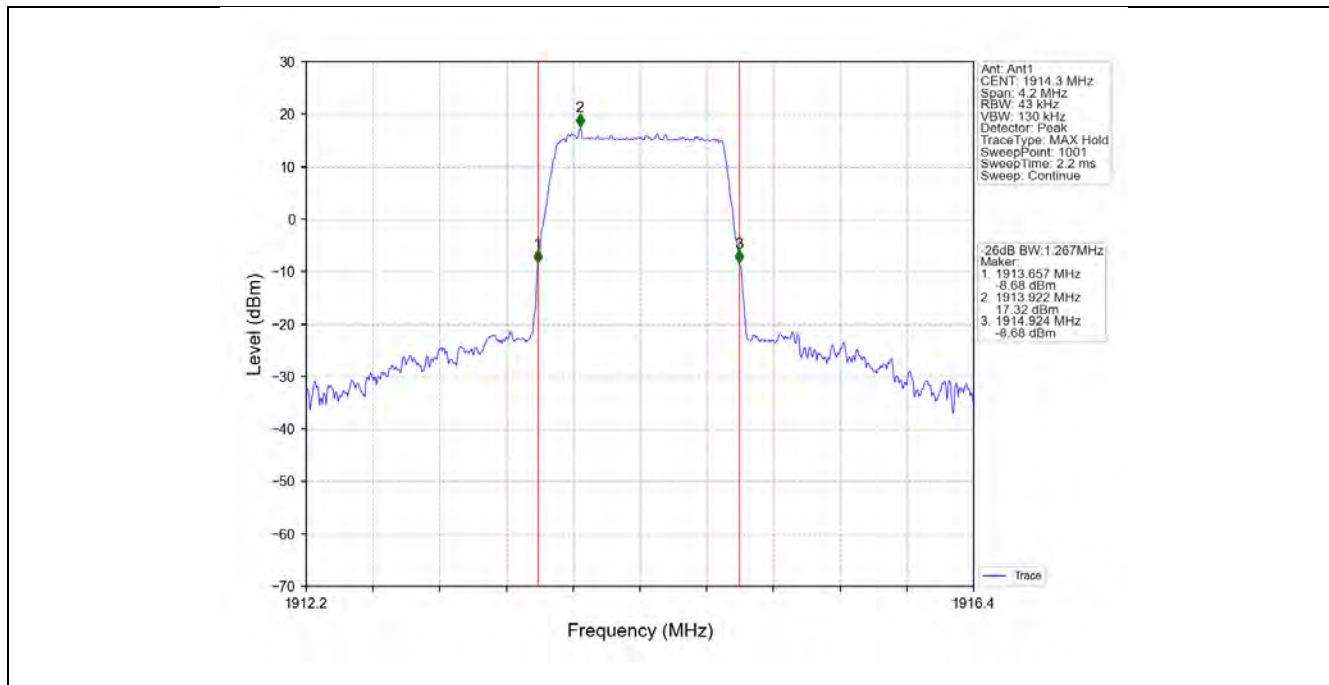
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Report No.: SZCR240100038408
Rev.: 01
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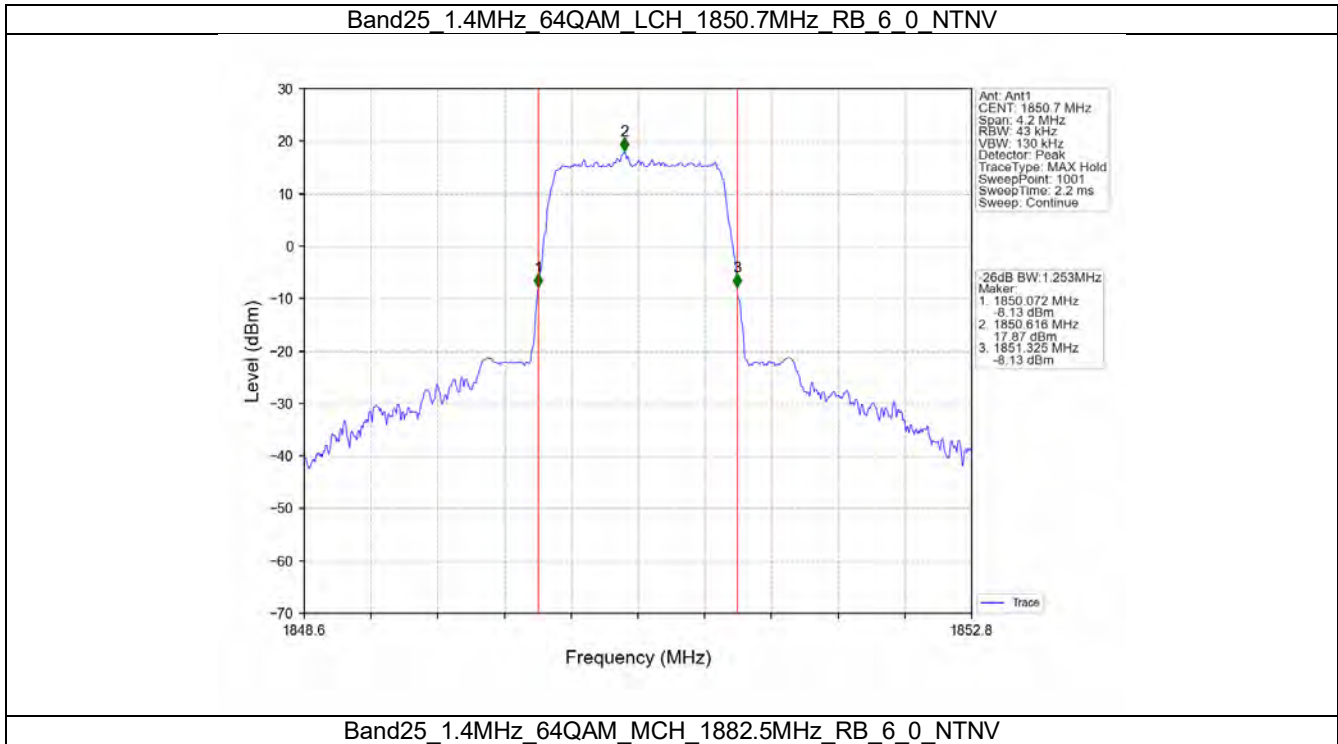


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Rev.: 01

Page: 114 of 504



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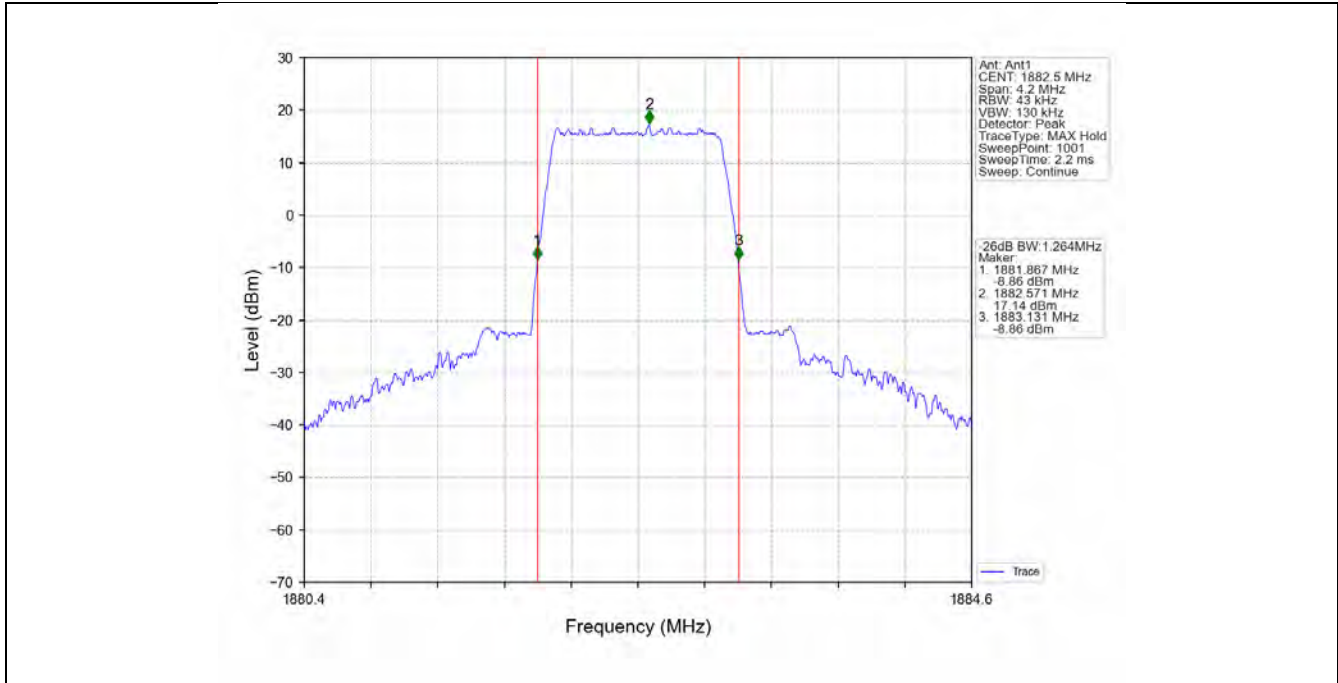


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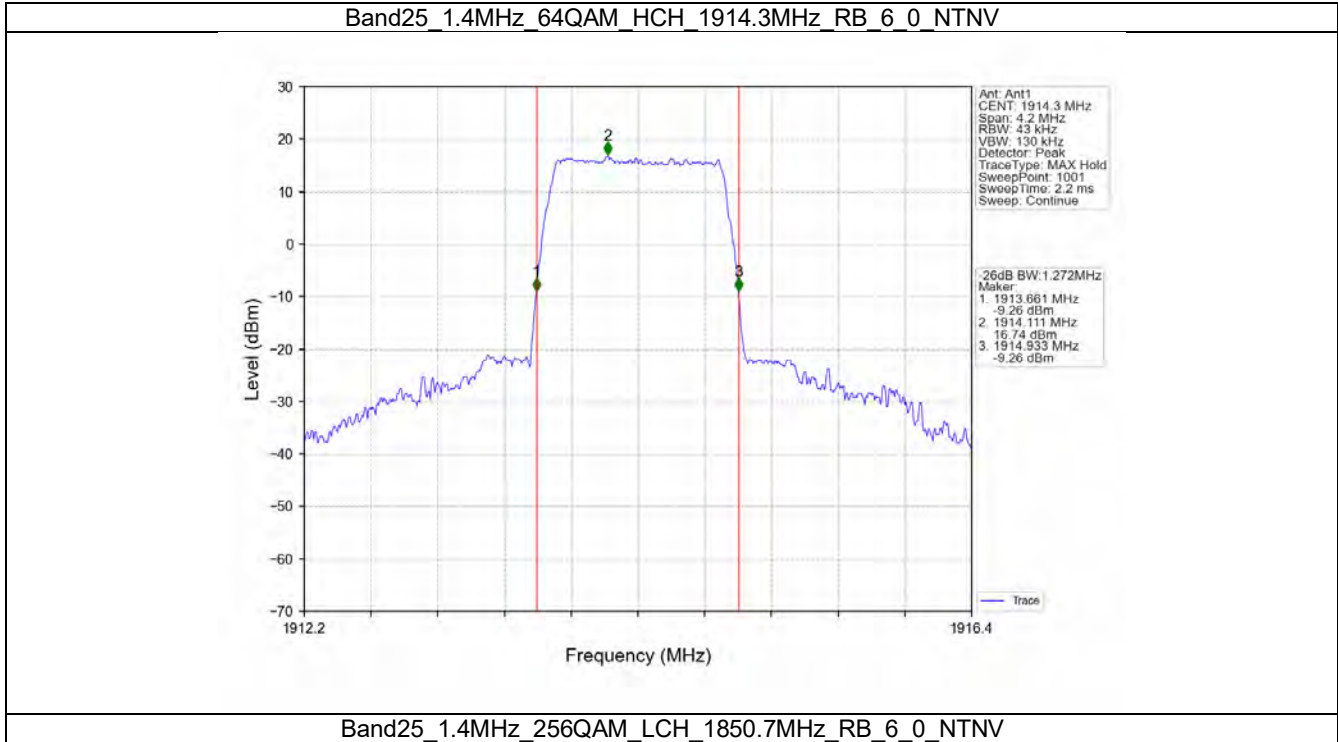


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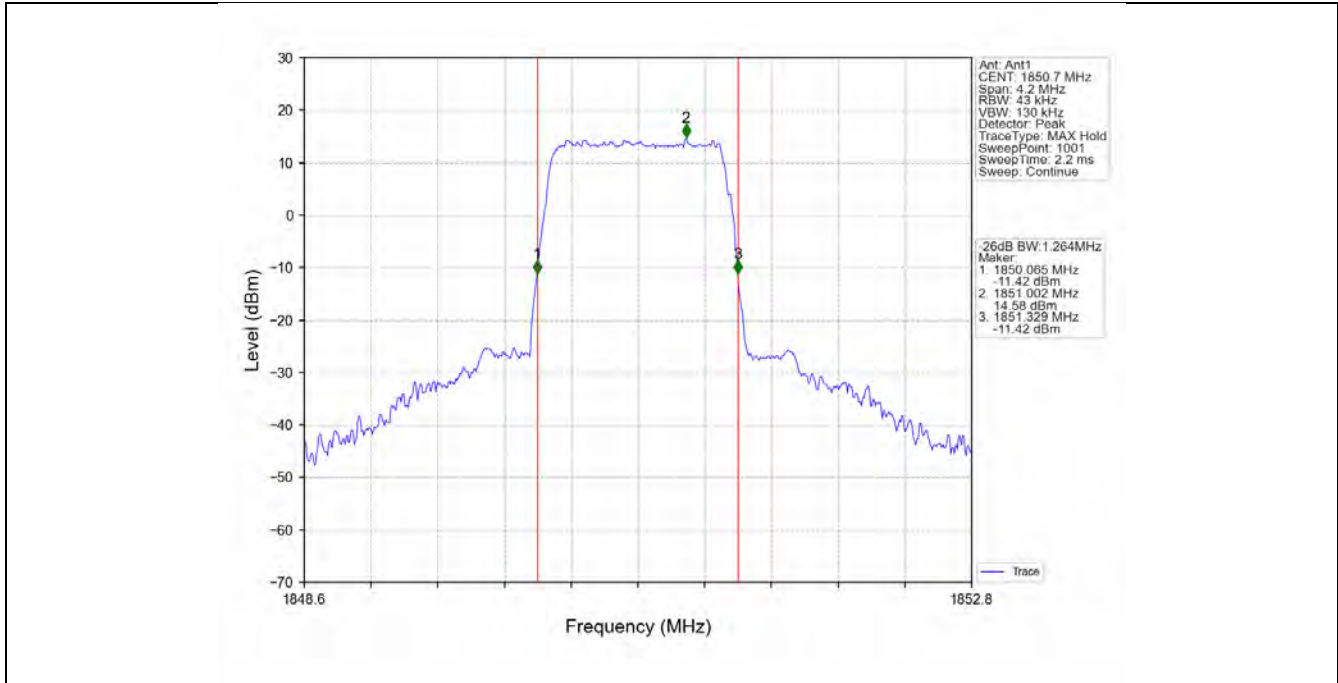


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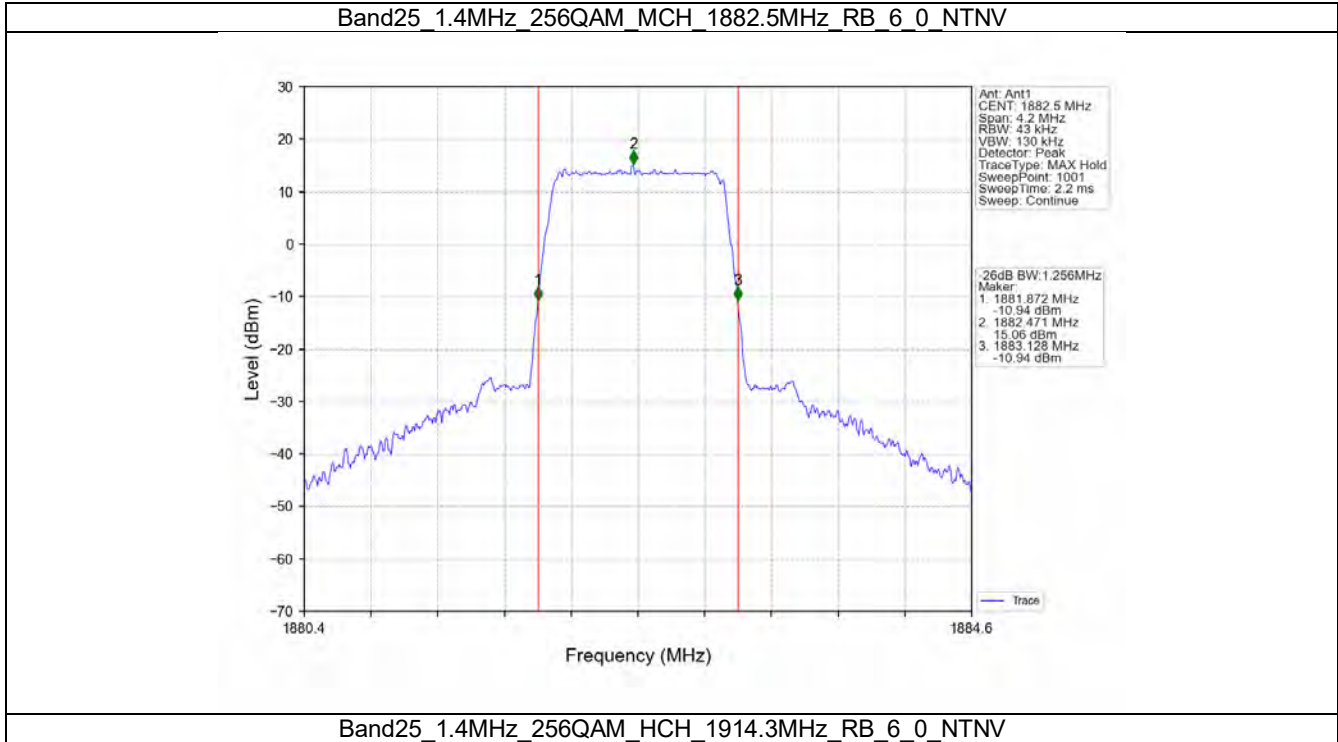


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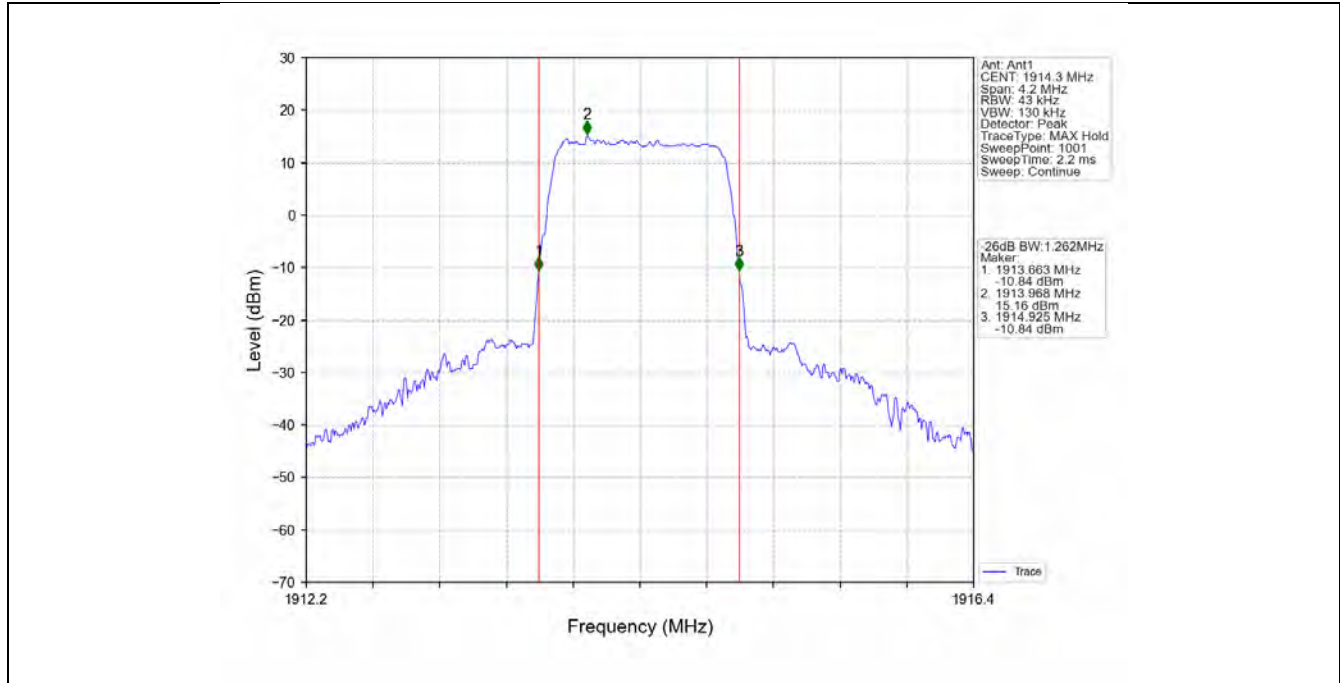


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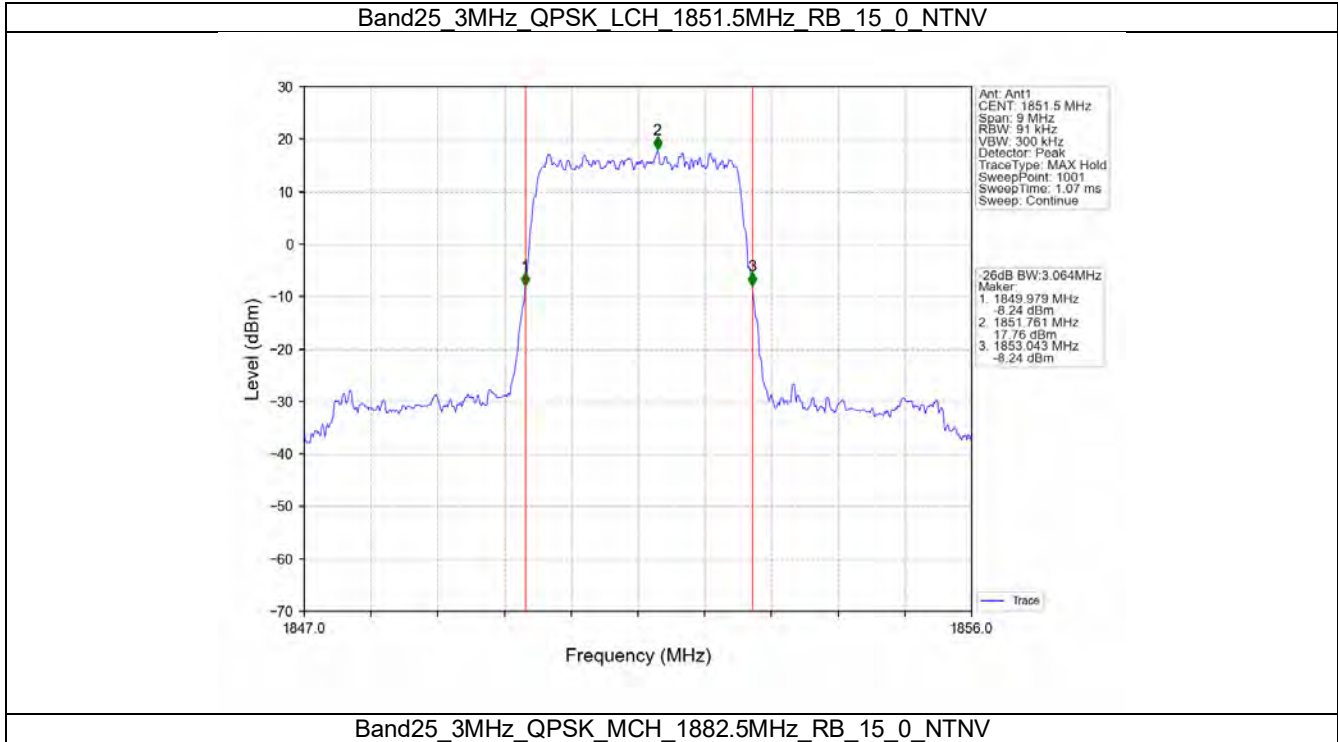


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Report No.: SZCR240100038408

Rev.: 01

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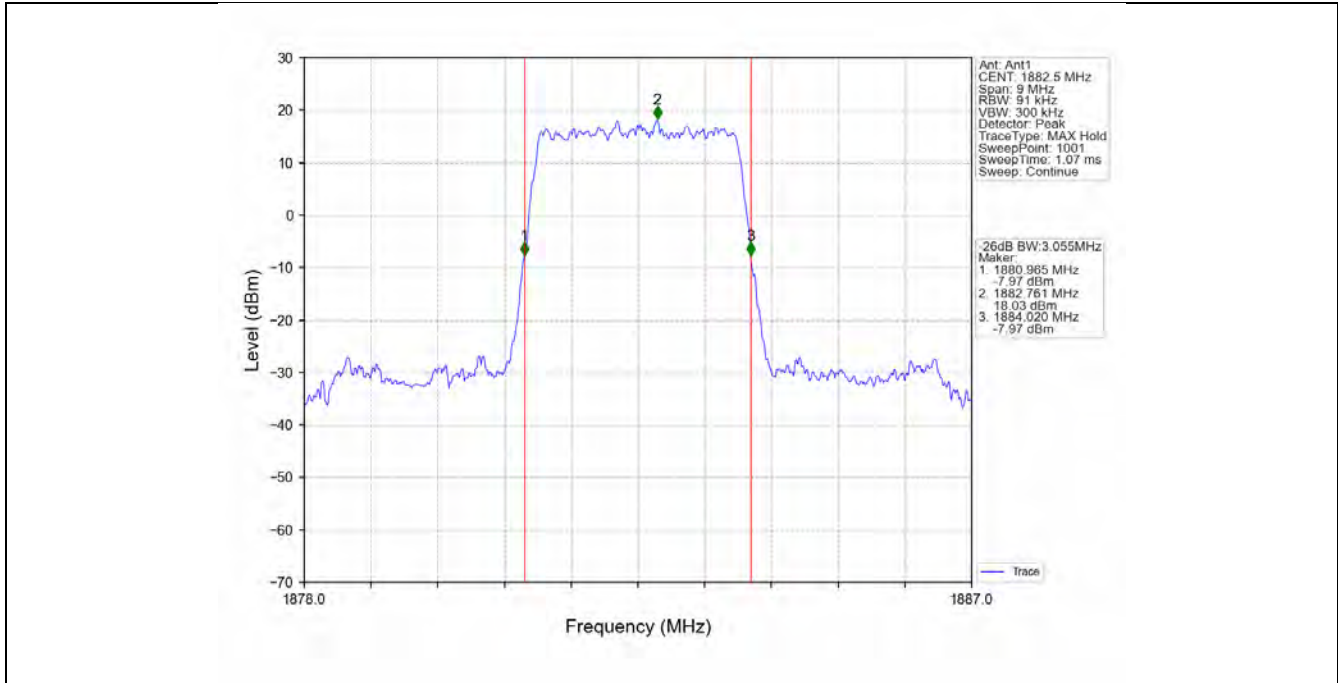


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Report No.: SZCR240100038408

Rev.: 01

Page: 121 of 504



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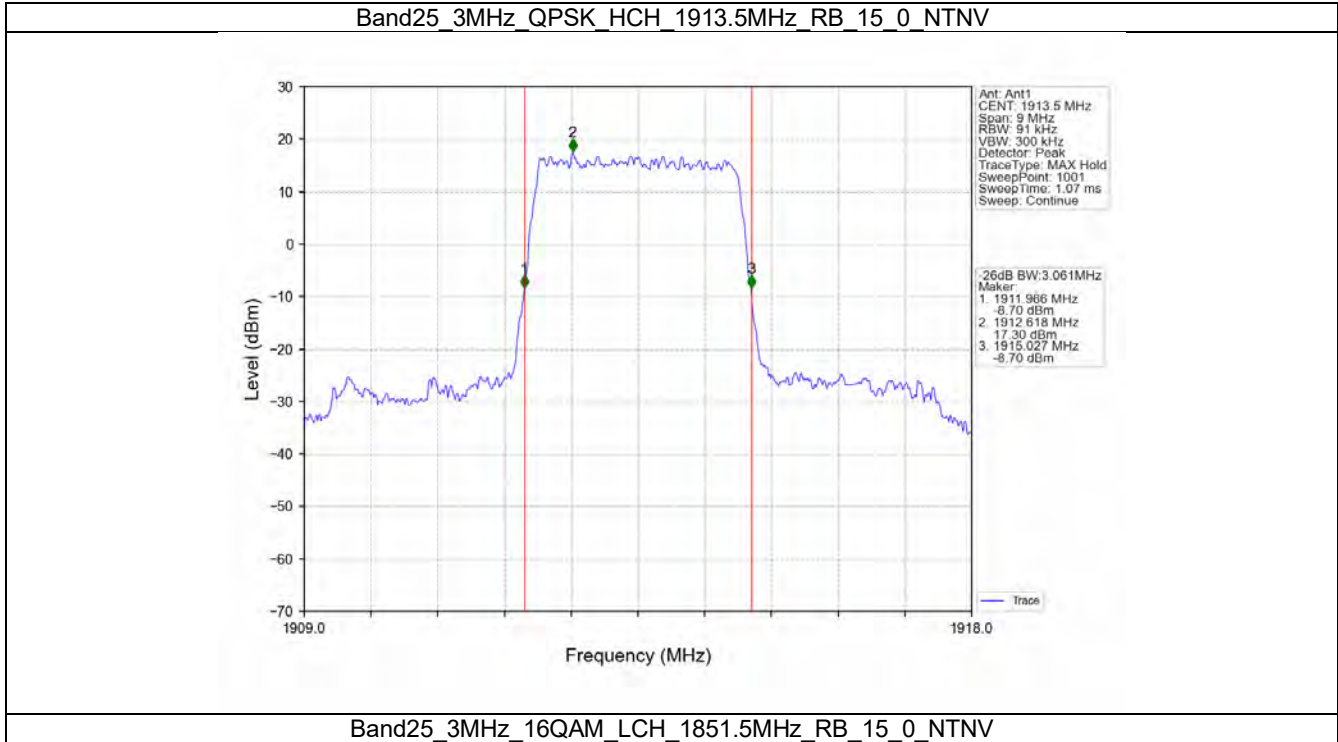


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Report No.: SZCR240100038408

Rev.: 01

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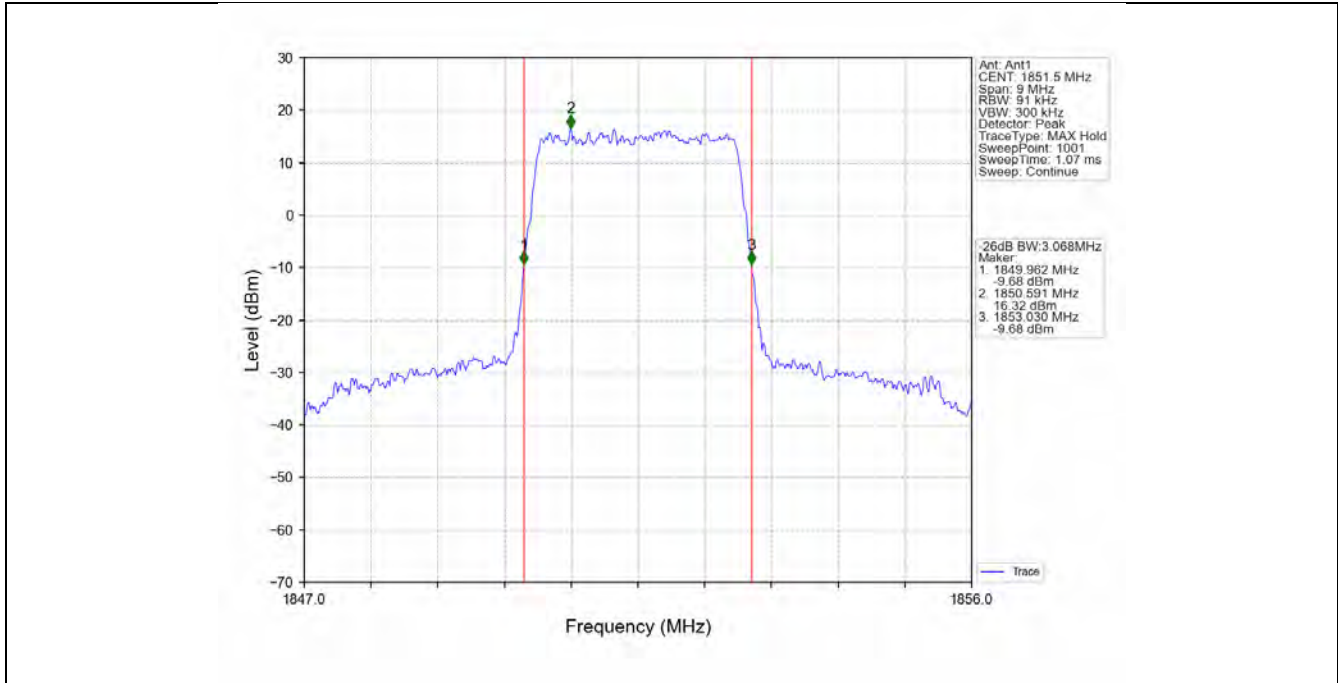


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Report No.: SZCR240100038408

Rev.: 01

Page: 123 of 504



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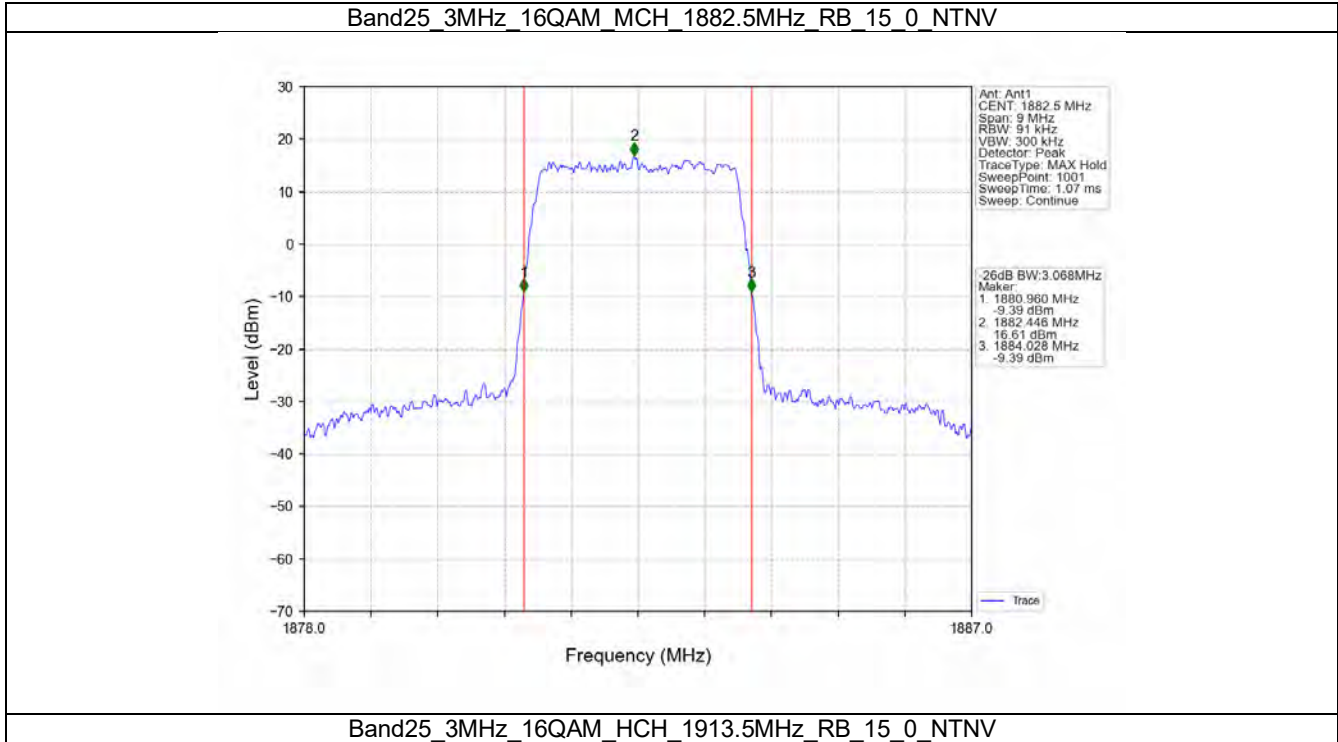


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Report No.: SZCR240100038408

Rev.: 01

Page: 124 of 504



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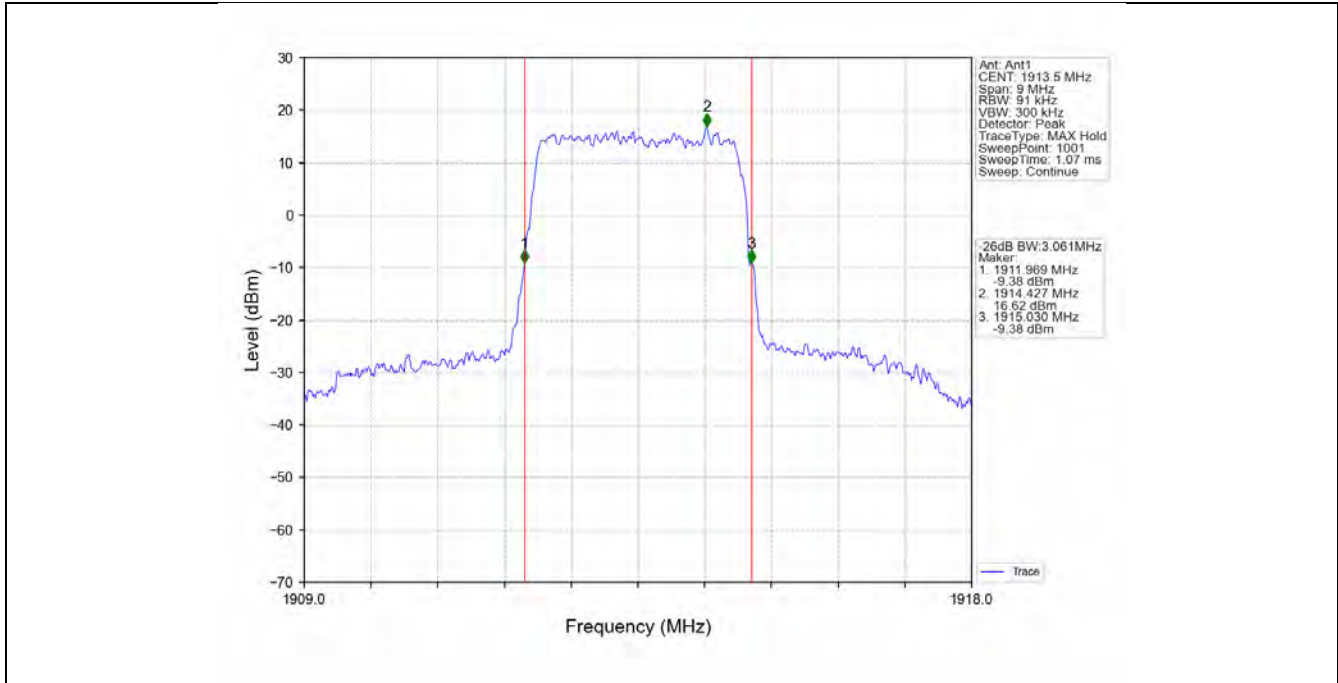


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Report No.: SZCR240100038408

Rev.: 01

Page: 125 of 504



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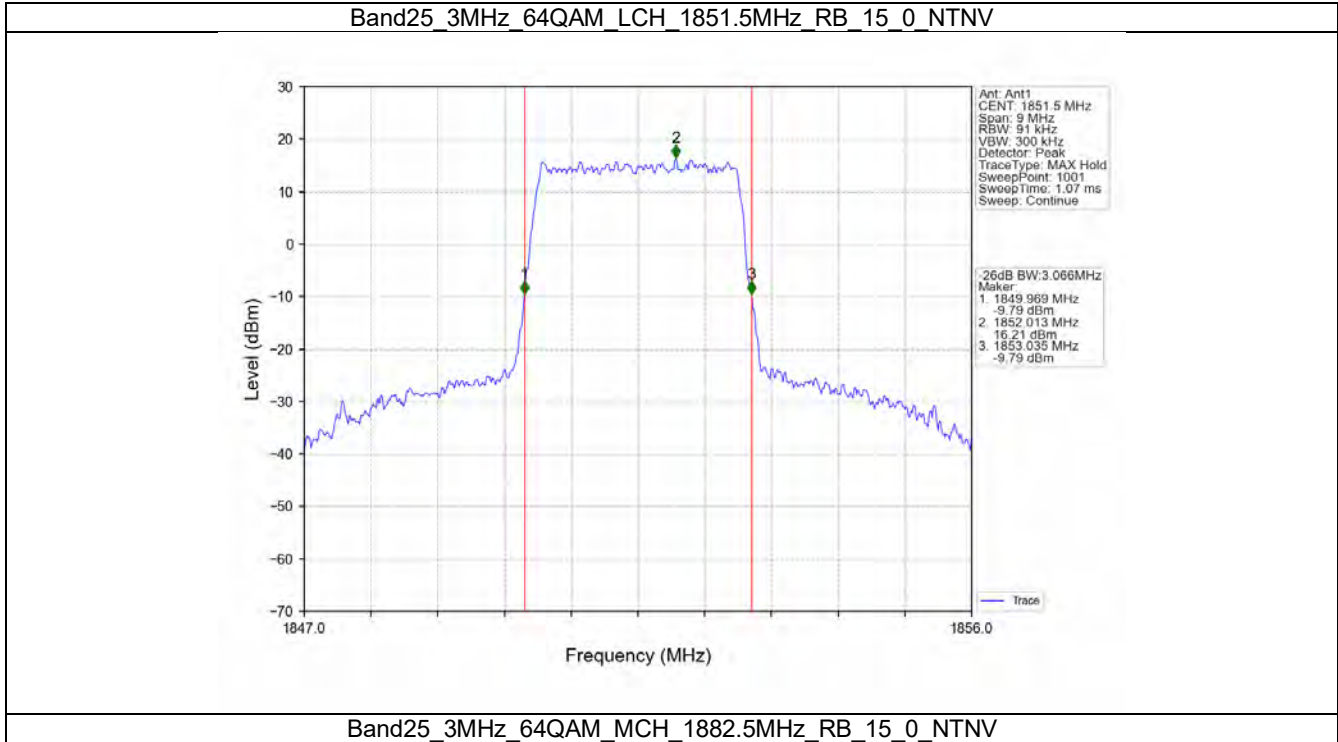


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Report No.: SZCR240100038408

Rev.: 01

Page: 126 of 504



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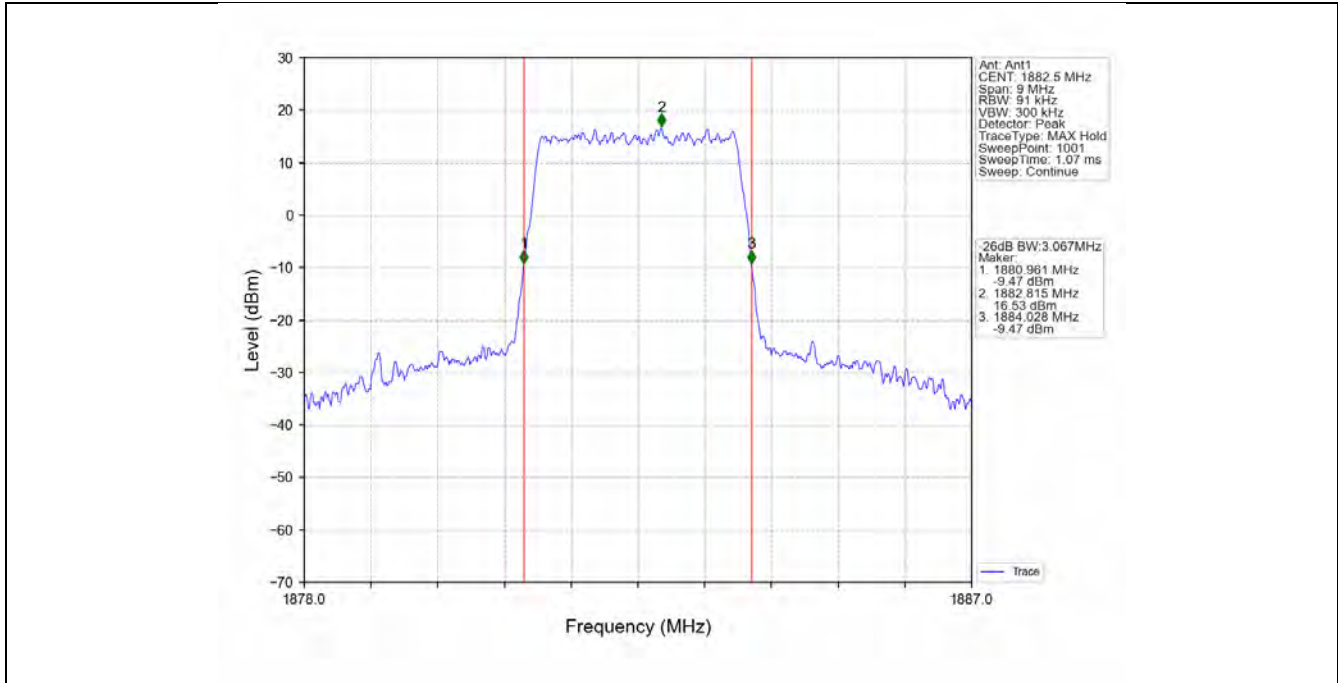


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Report No.: SZCR240100038408

Rev.: 01

Page: 127 of 504



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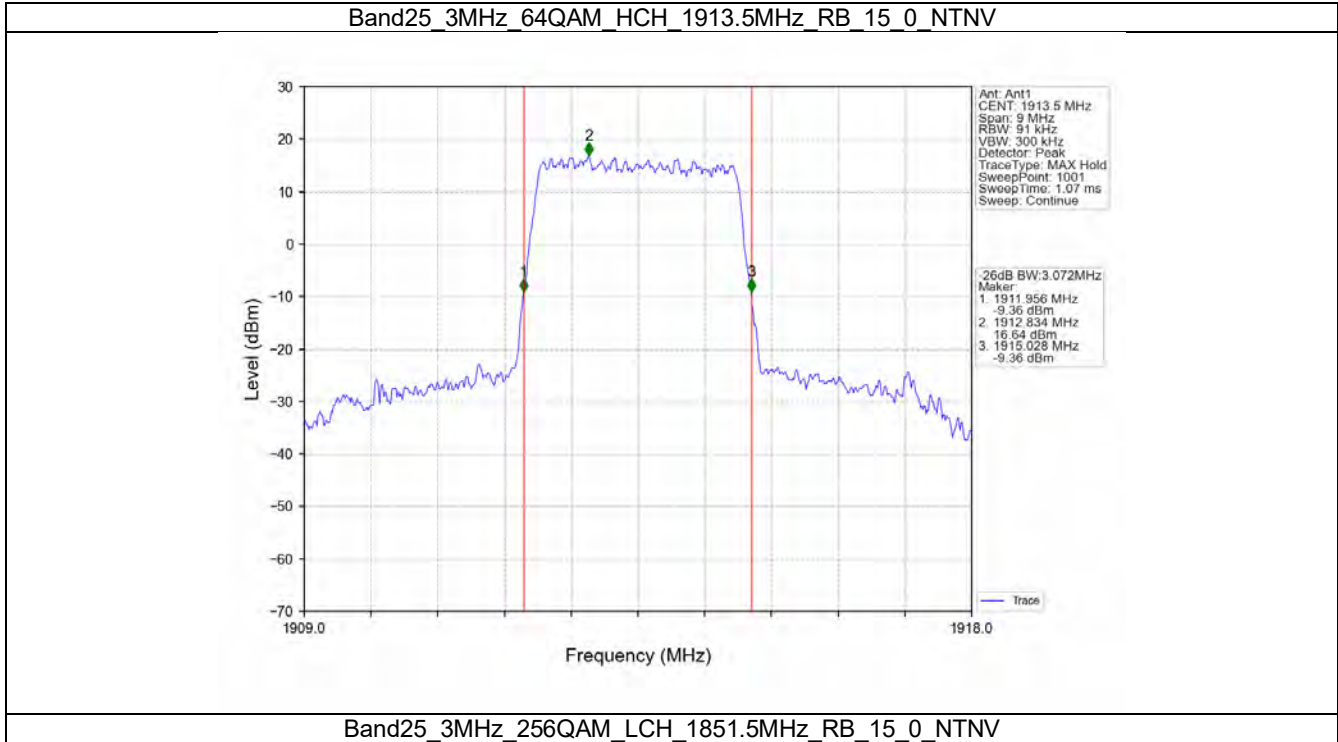


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Report No.: SZCR240100038408

Rev.: 01

Page: 128 of 504



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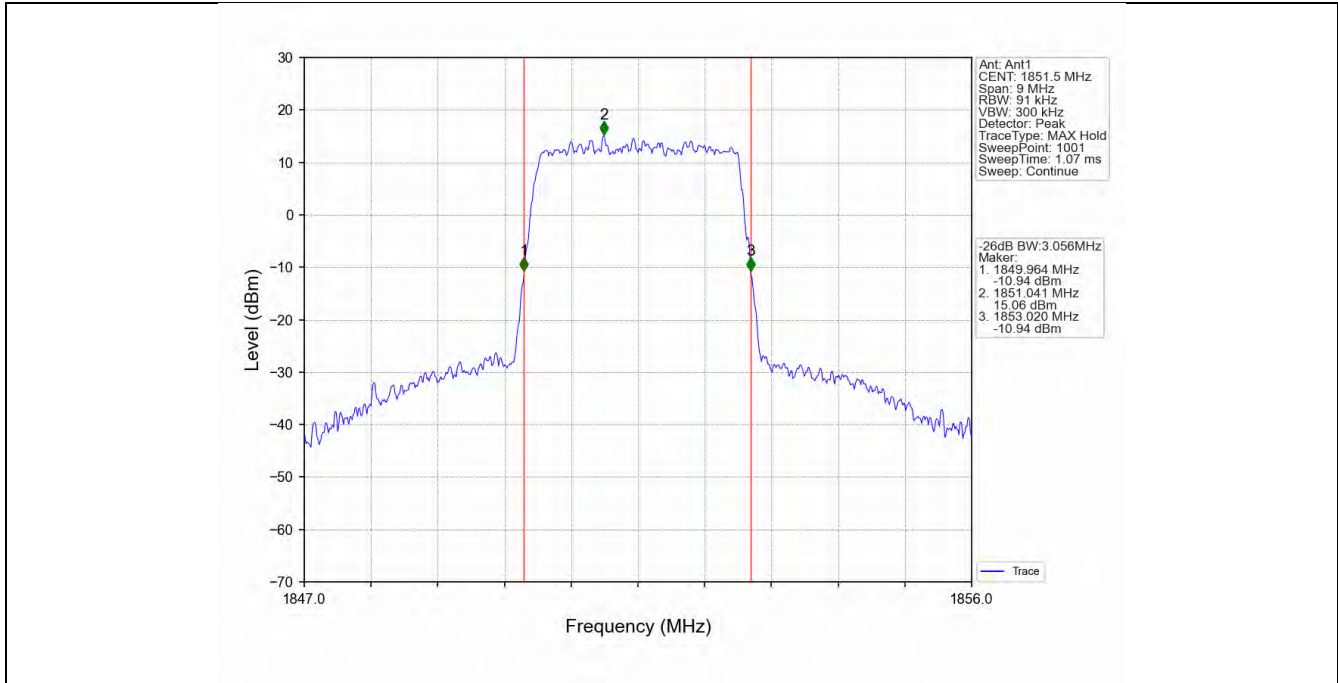


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Report No.: SZCR240100038408

Rev.: 01

Page: 129 of 504



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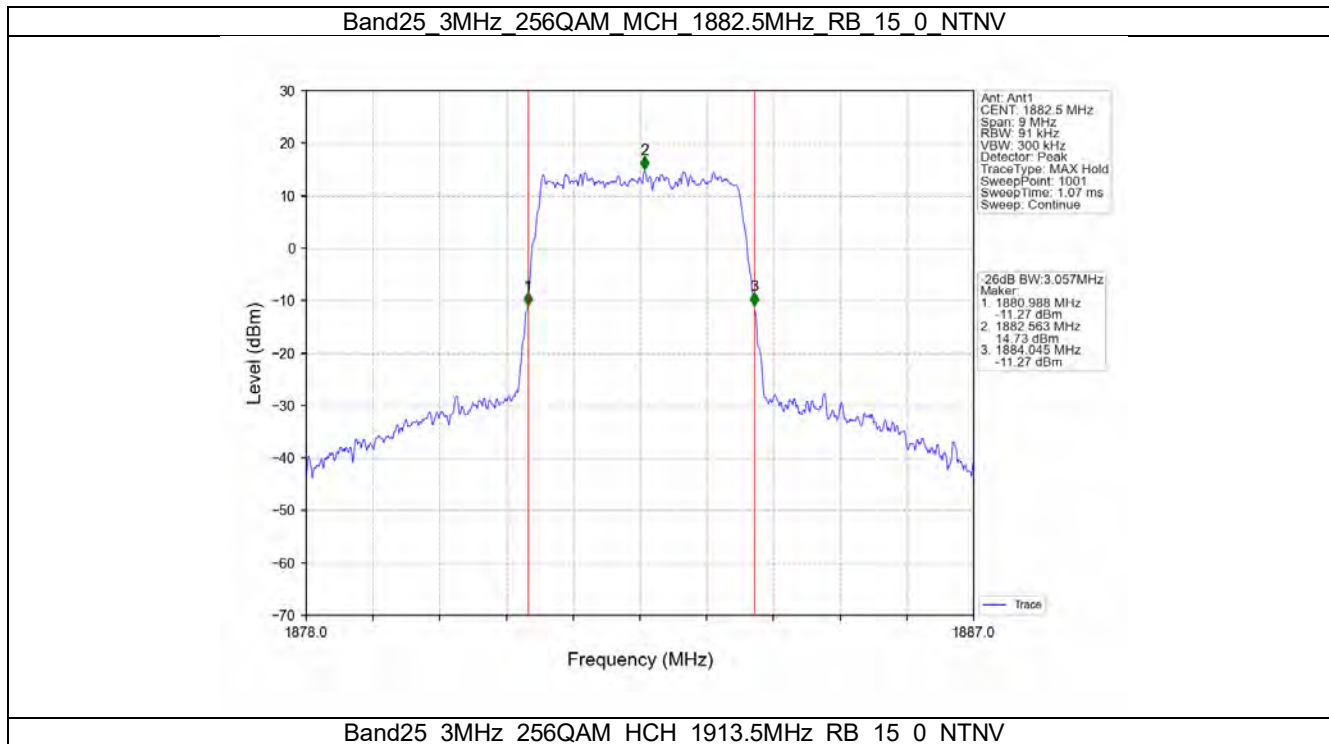
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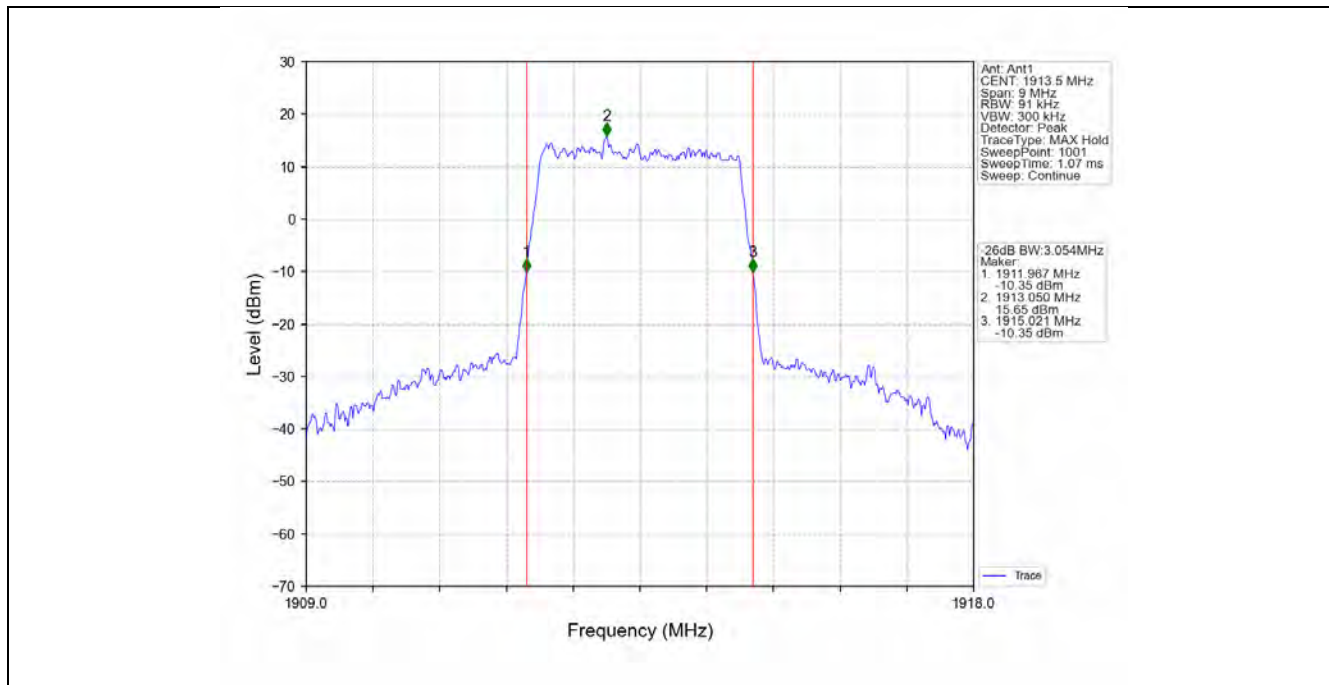
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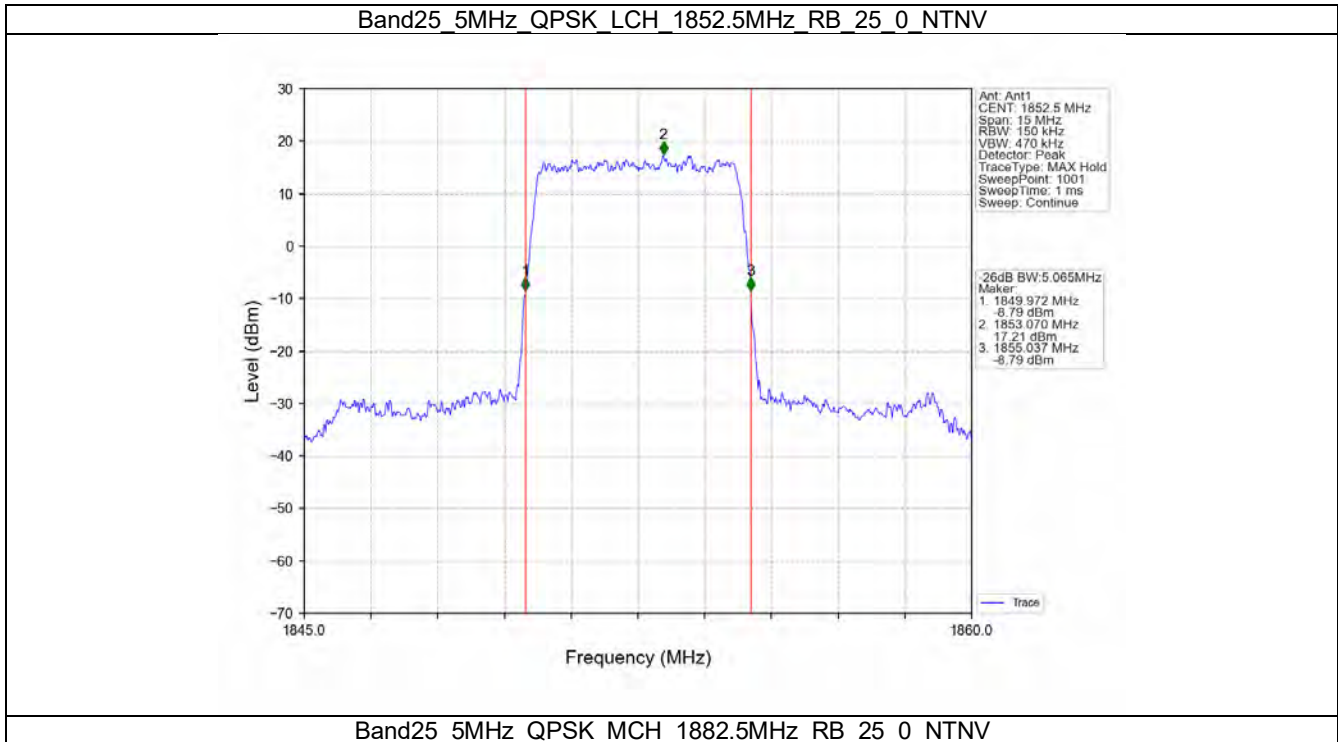


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Report No.: SZCR240100038408

Rev.: 01

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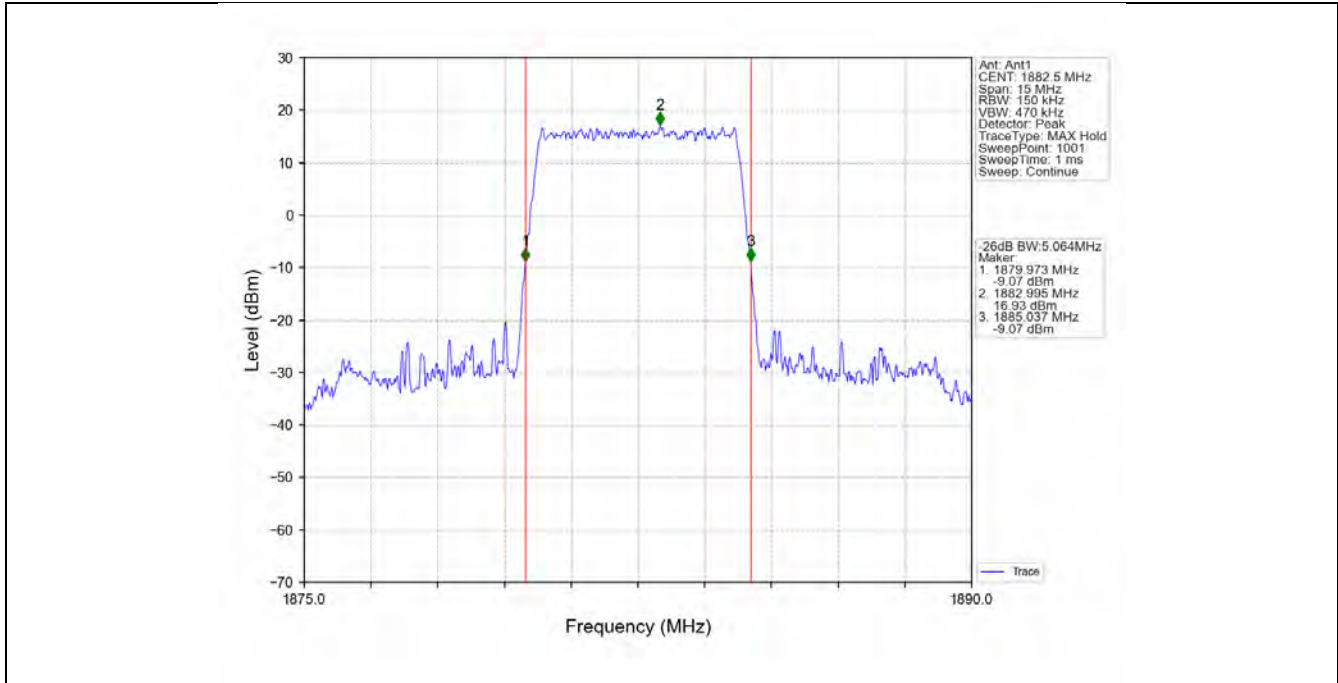


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Rev.: 01

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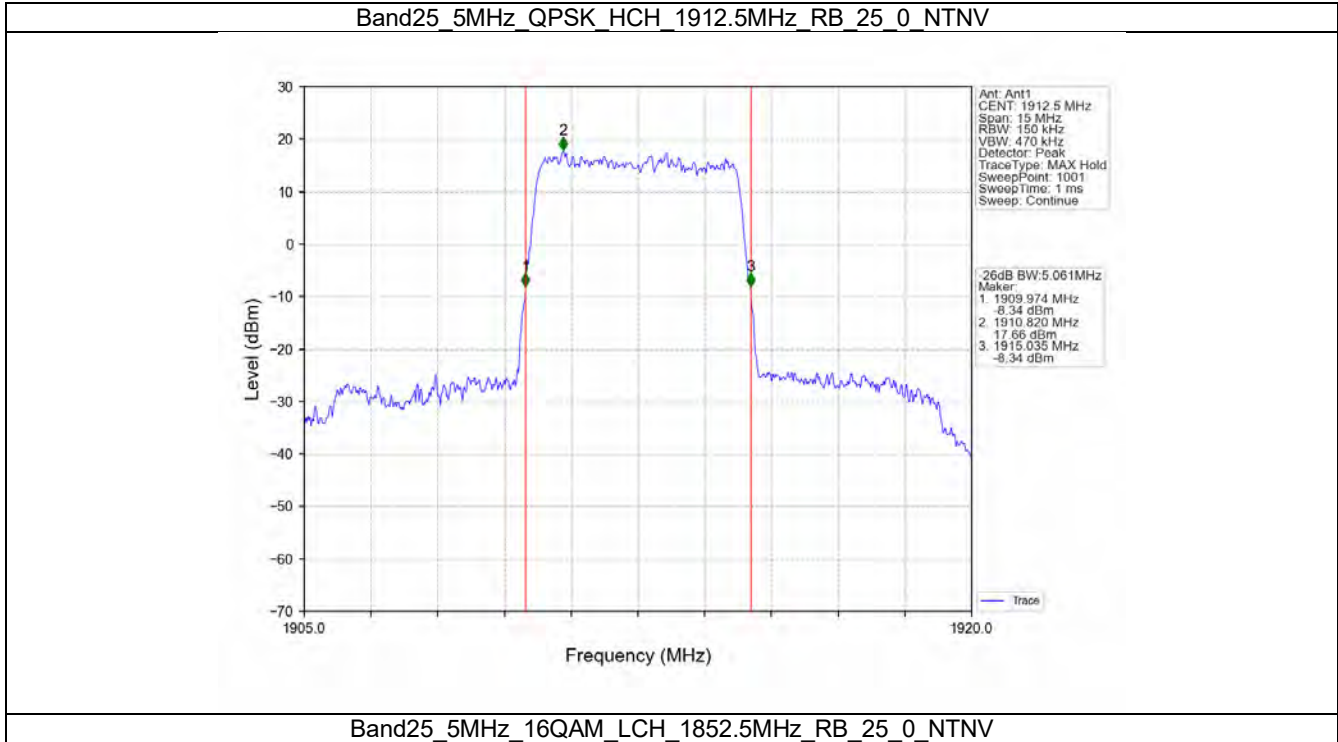


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Rev.: 01

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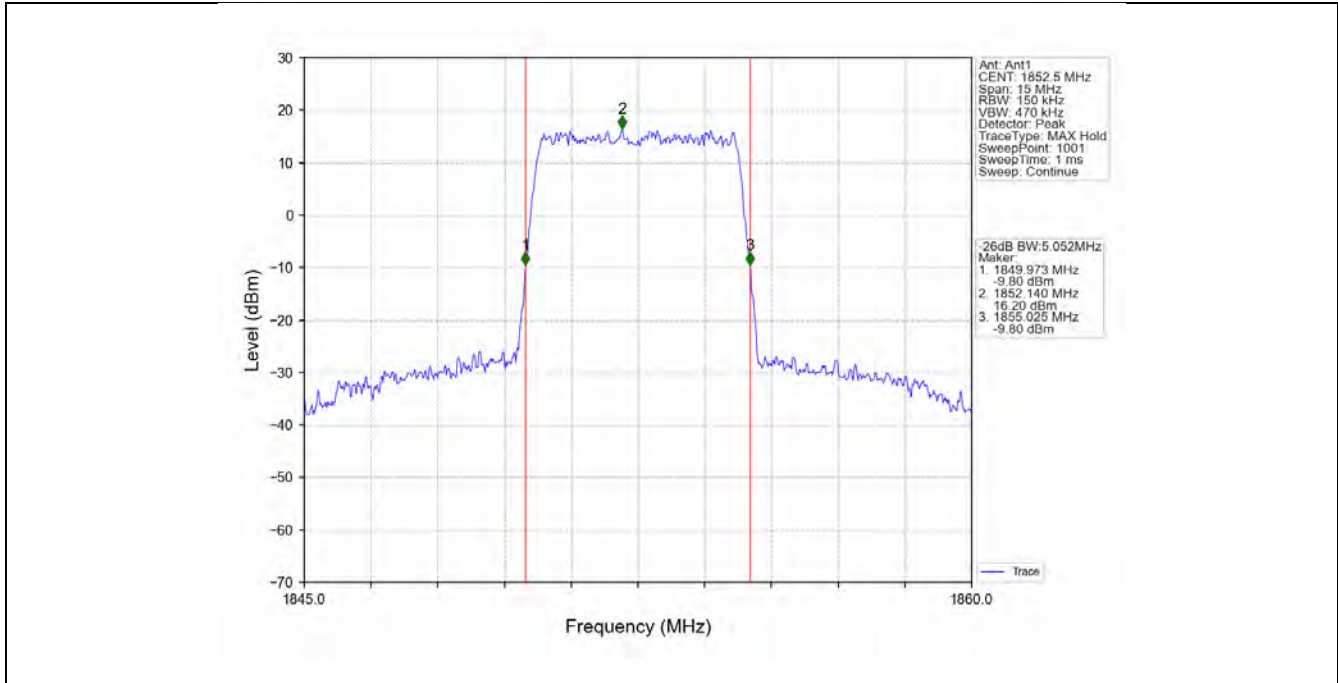


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Report No.: SZCR240100038408

Rev.: 01

Page: 135 of 504



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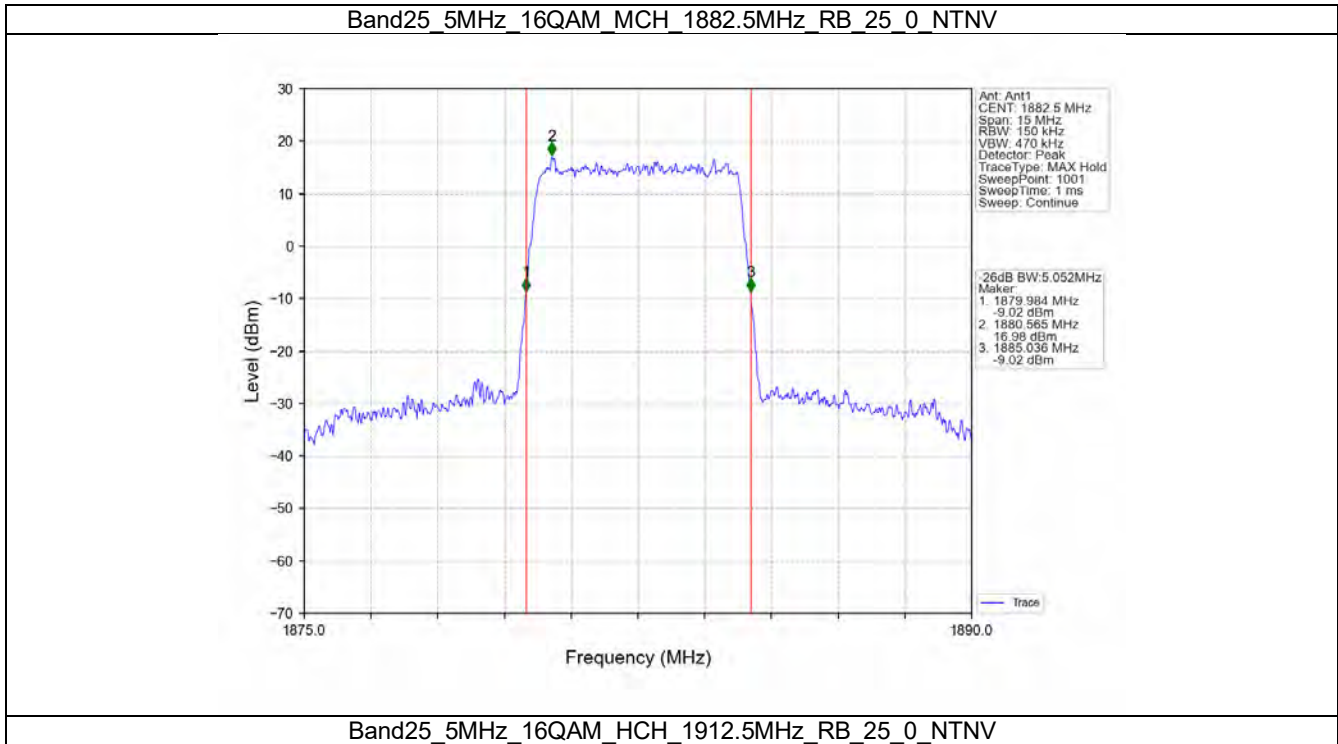


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Rev.: 01

Page: 136 of 504



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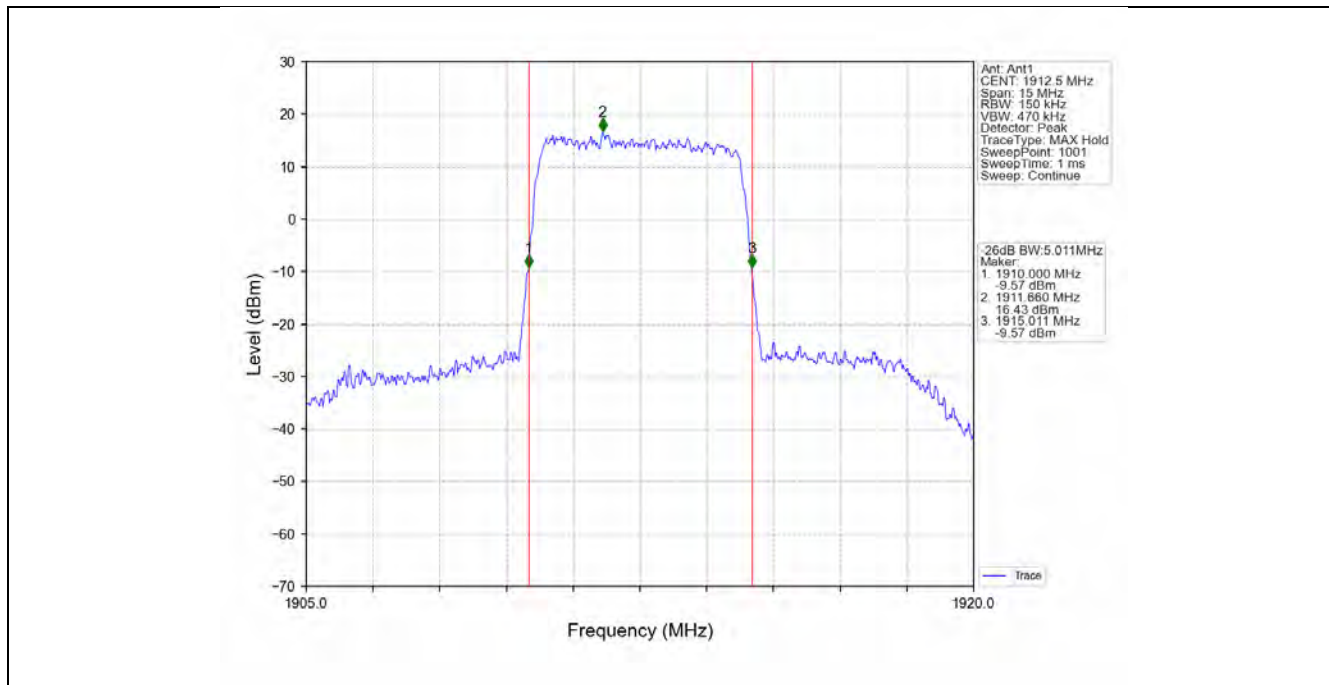
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Report No.: SZCR240100038408
Rev.: 01
Page: 137 of 504



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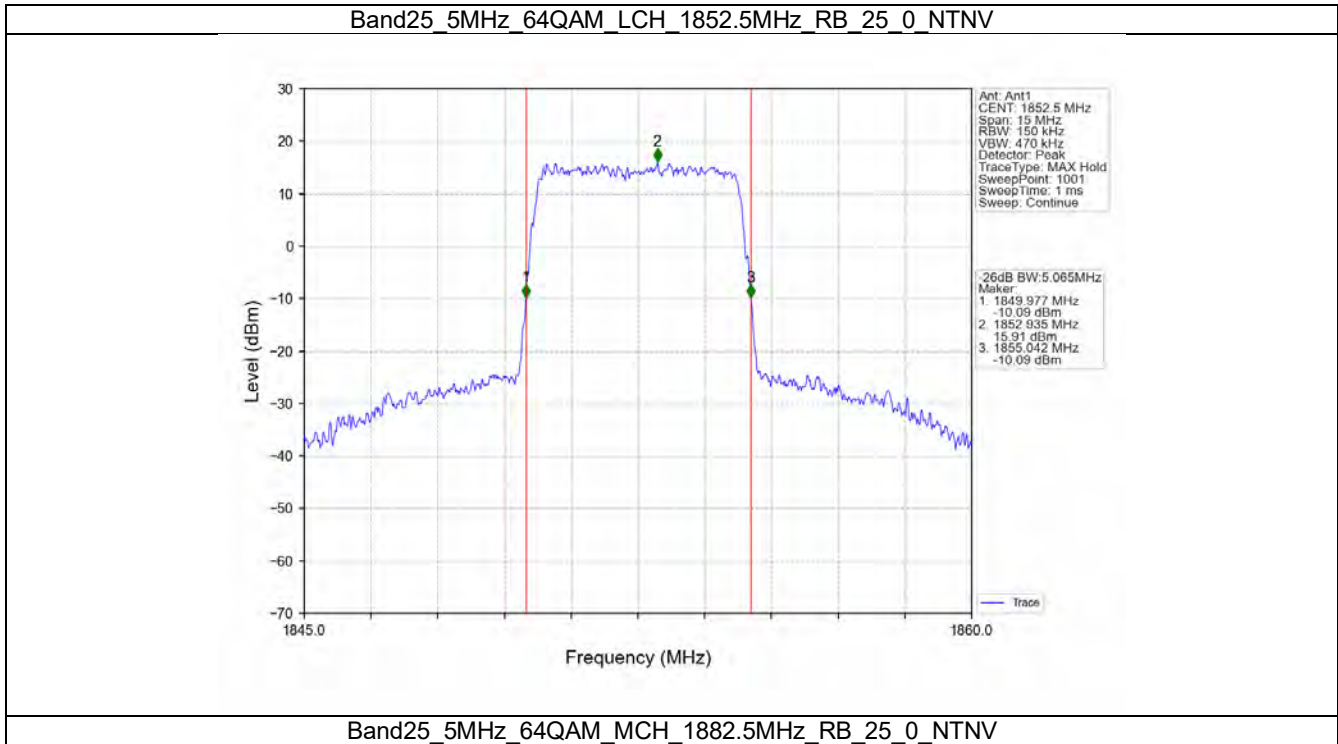


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Report No.: SZCR240100038408

Rev.: 01

Page: 138 of 504



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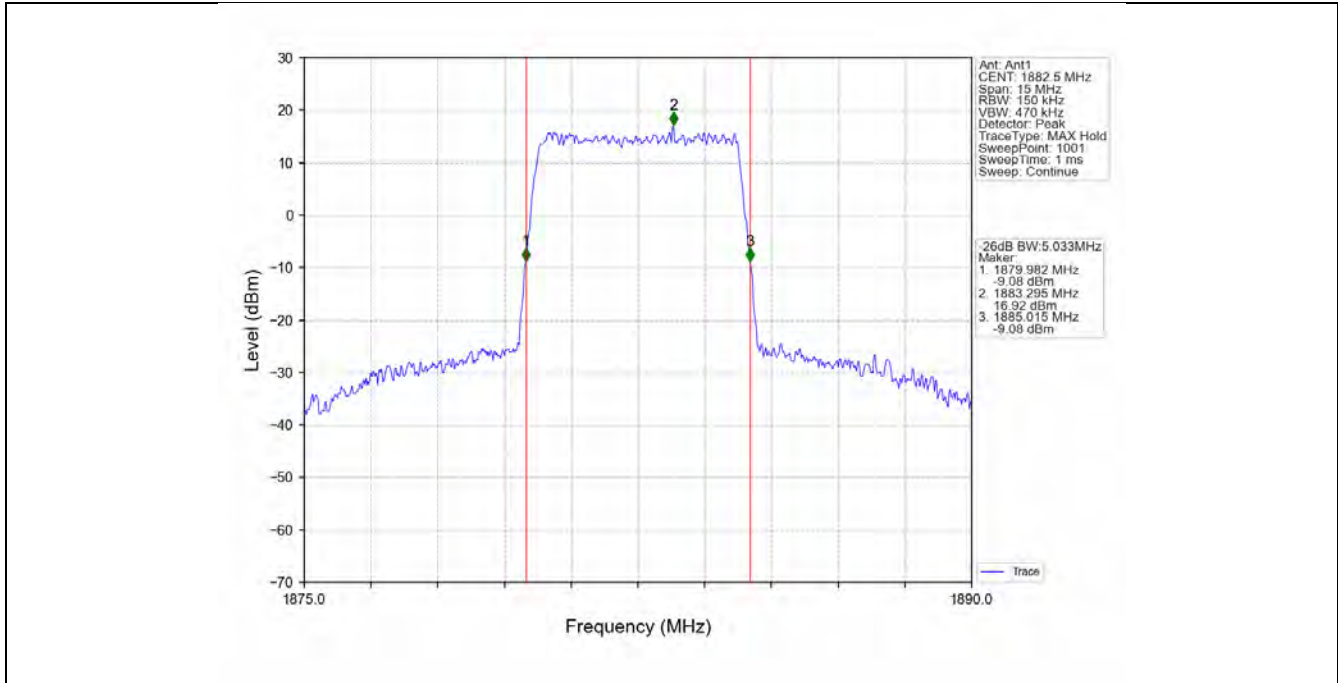


**SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch**

Report No.: SZCR240100038408

Rev.: 01

Page: 139 of 504



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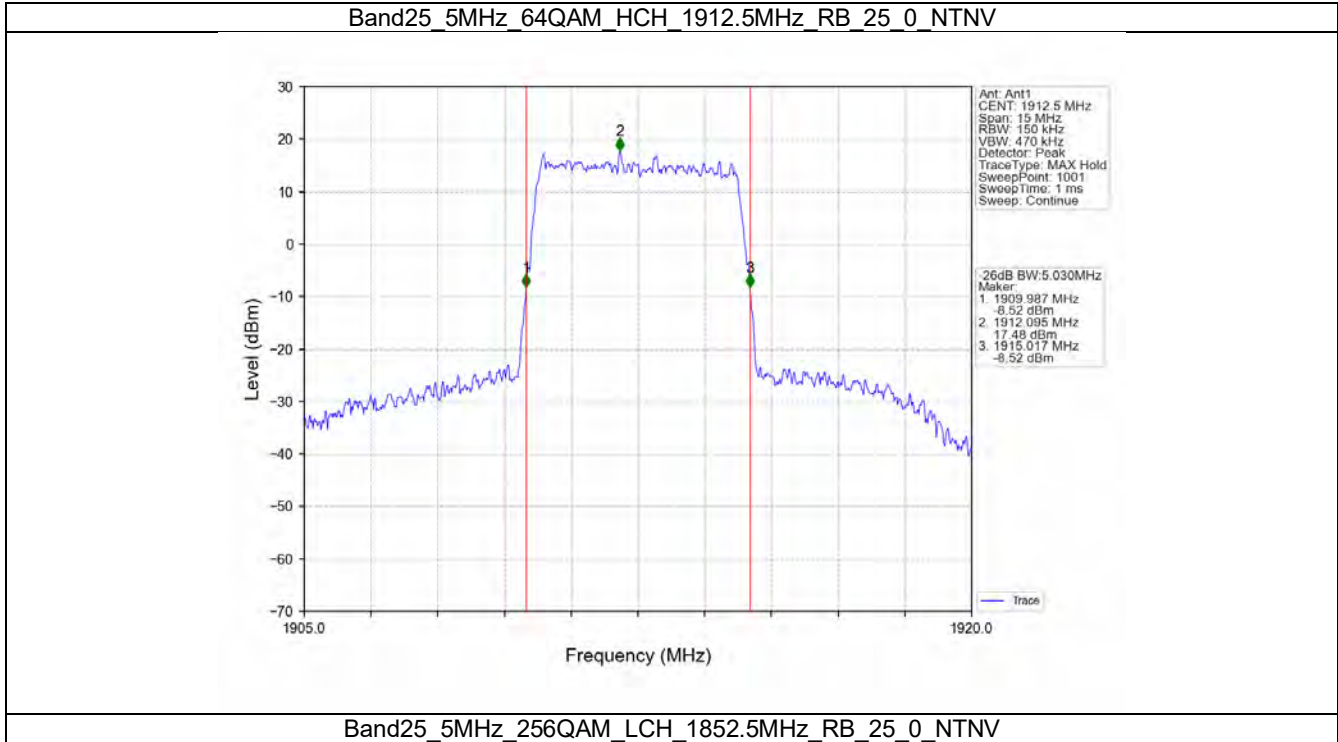


**SGS-CSTC Standards Technical Services Co., Ltd.
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Report No.: SZCR240100038408

Rev.: 01

Page: 140 of 504



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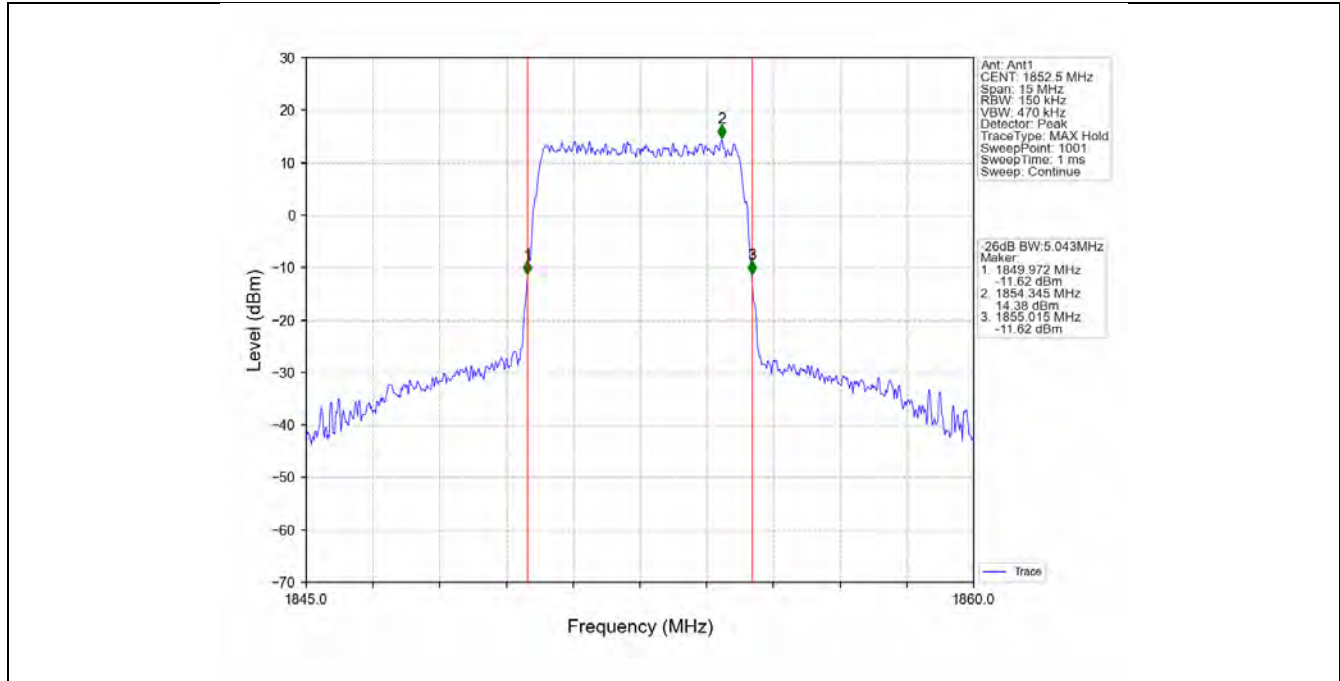


SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZCR240100038408

Rev.: 01

Page: 141 of 504



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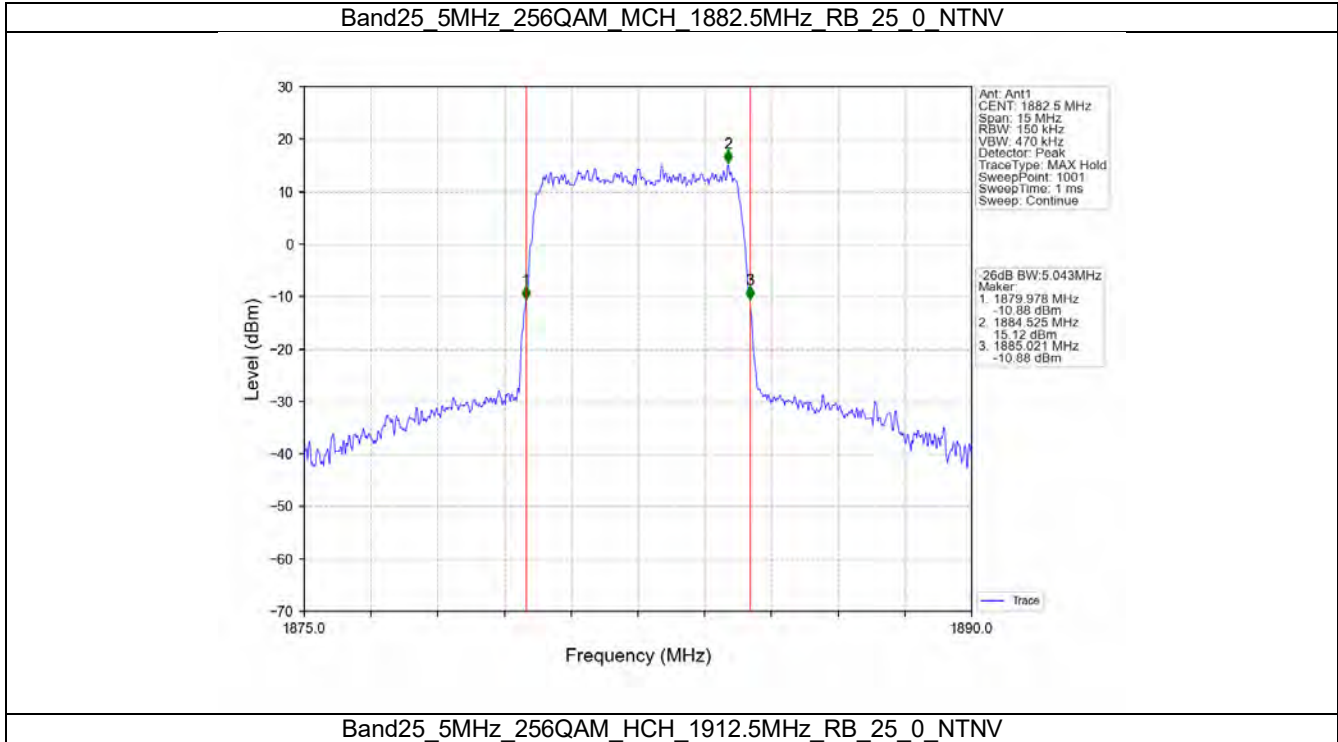


**SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch**

Report No.: SZCR240100038408

Rev.: 01

Page: 142 of 504



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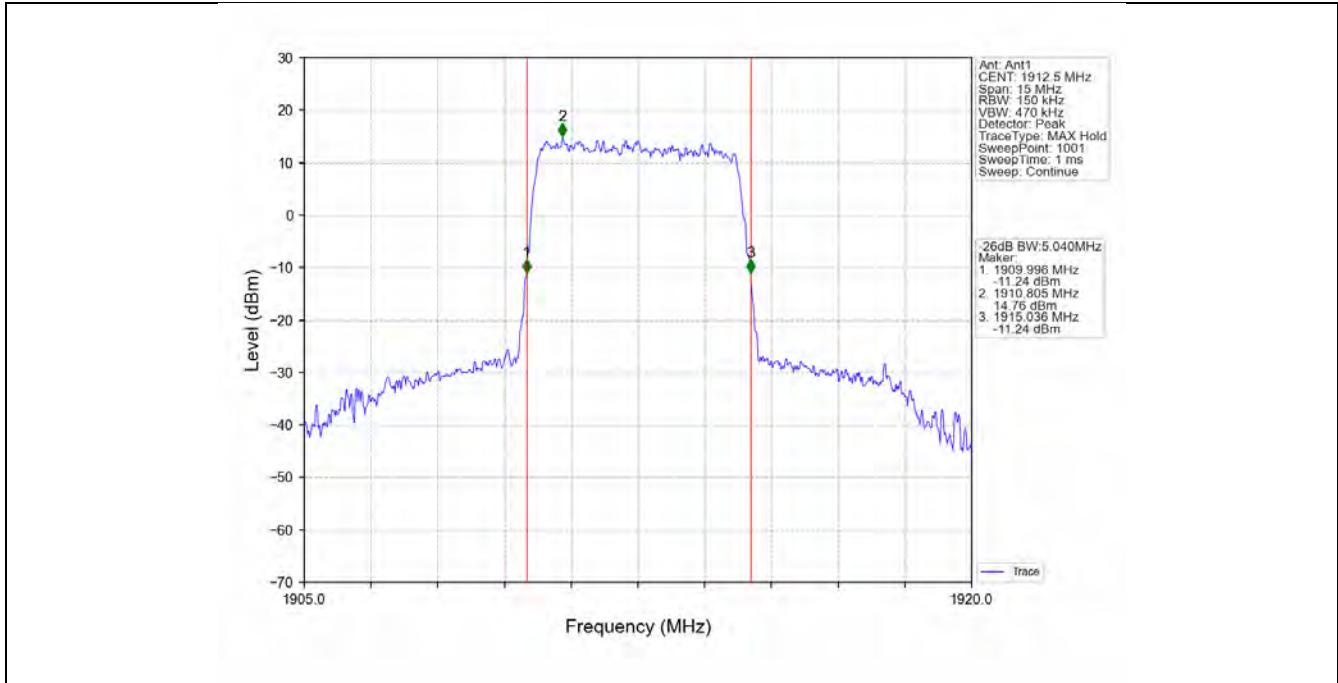


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Report No.: SZCR240100038408

Rev.: 01

Page: 143 of 504



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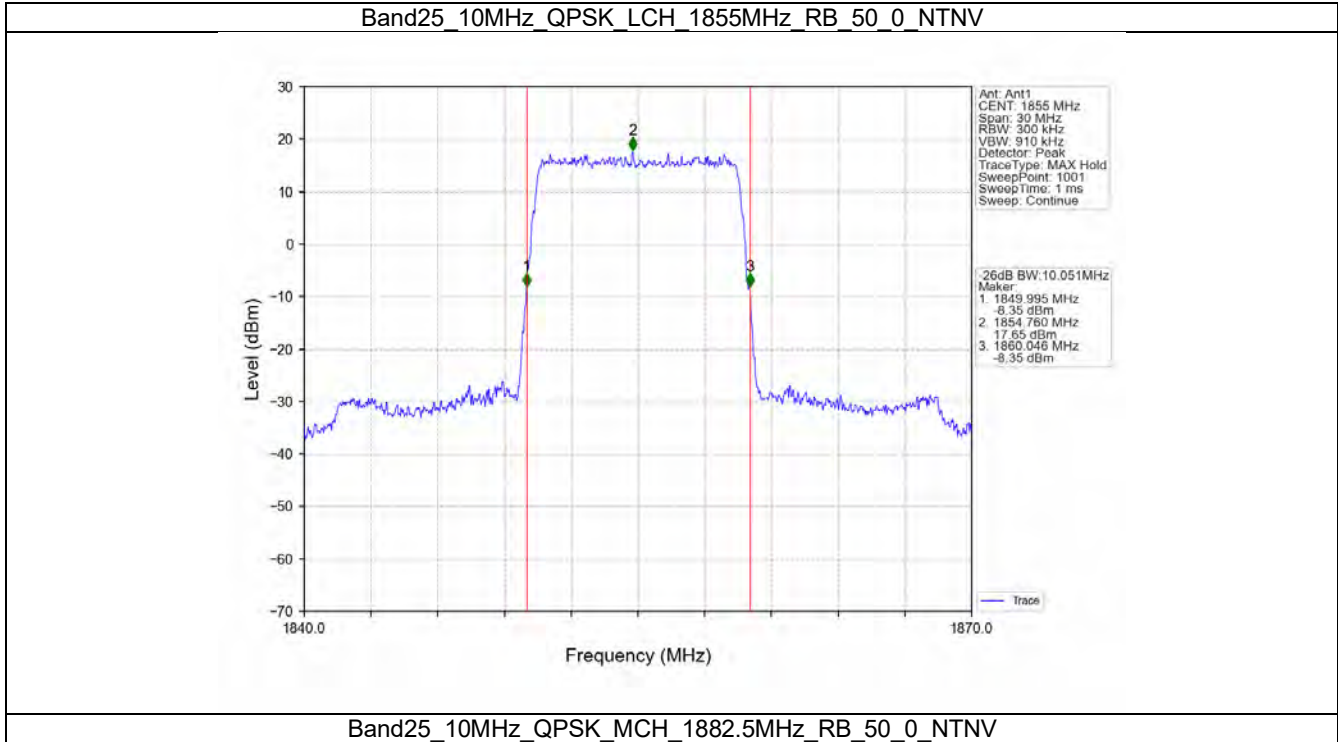


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Report No.: SZCR240100038408

Rev.: 01

Page: 144 of 504



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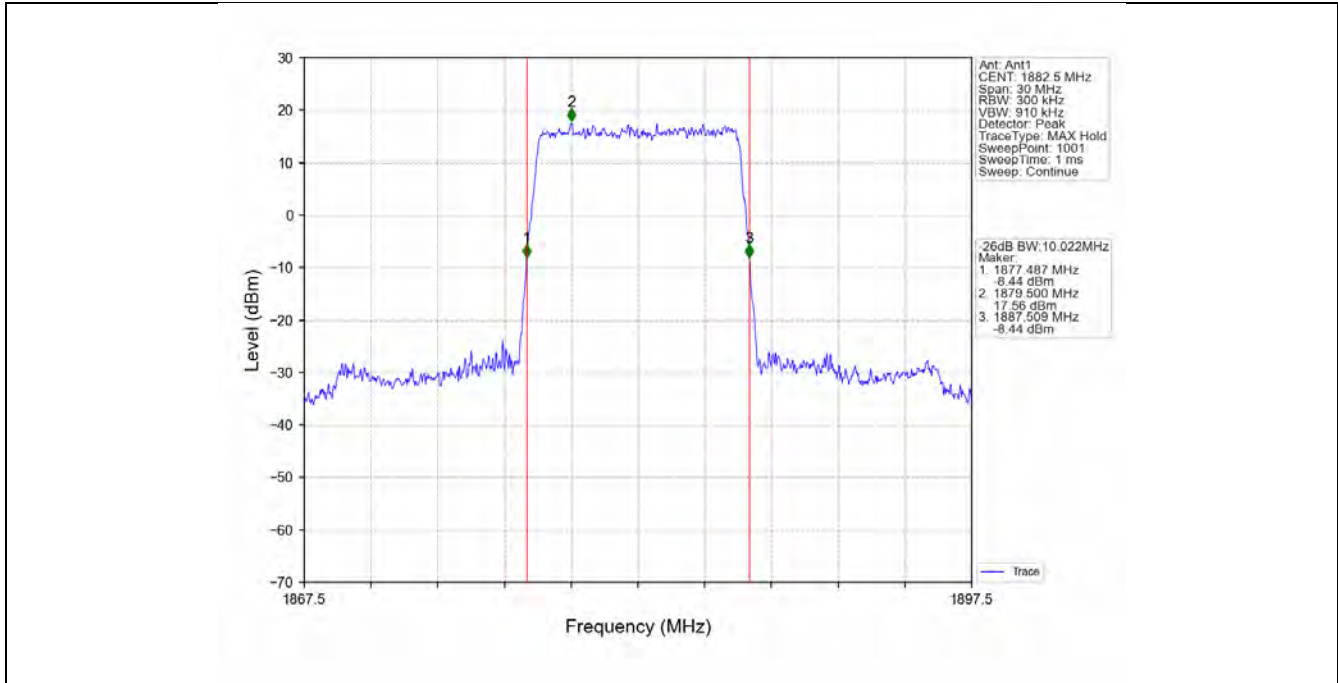


**SGS-CSTC Standards Technical Services Co., Ltd.
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Report No.: SZCR240100038408

Rev.: 01

Page: 145 of 504



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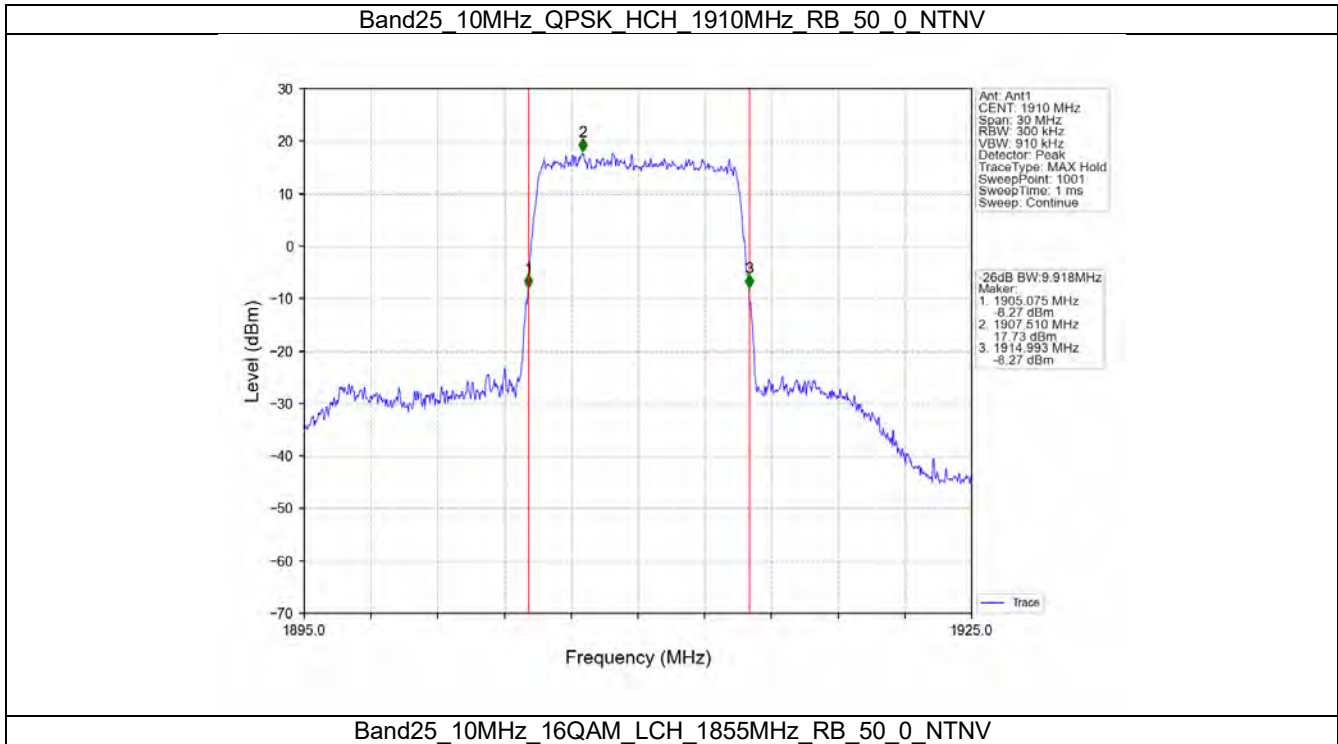


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Report No.: SZCR240100038408

Rev.: 01

Page: 146 of 504



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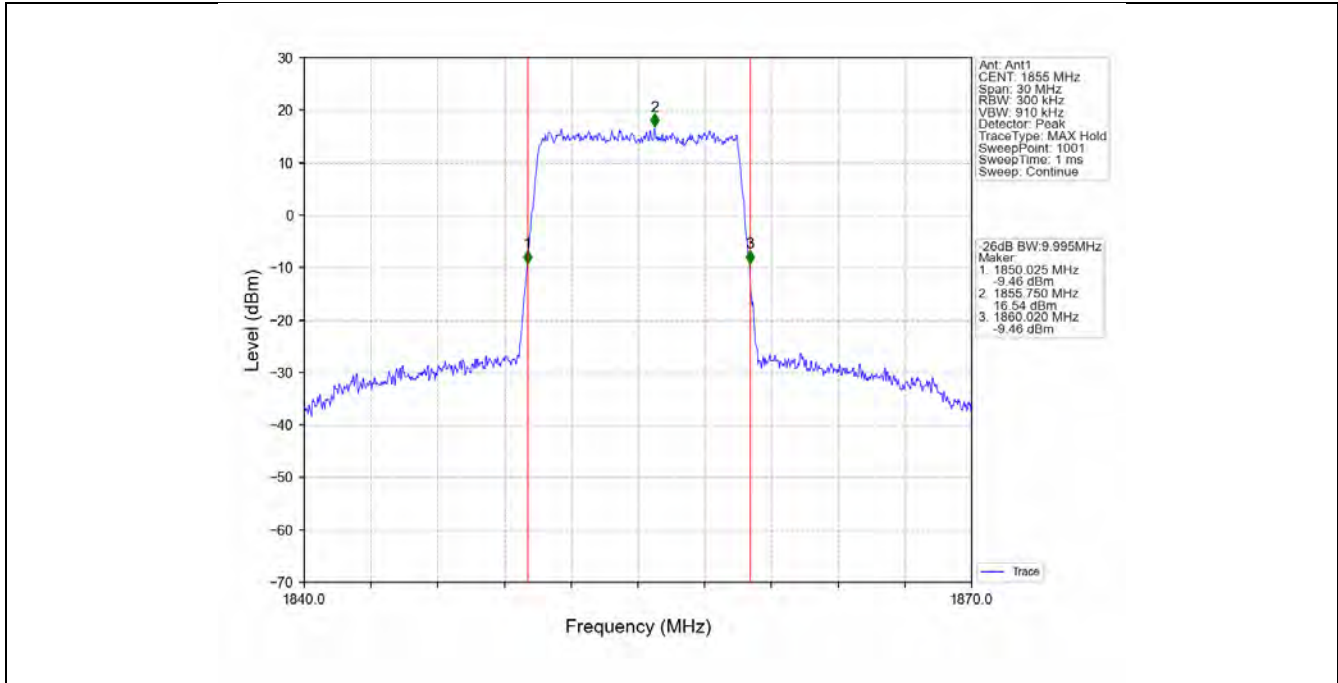


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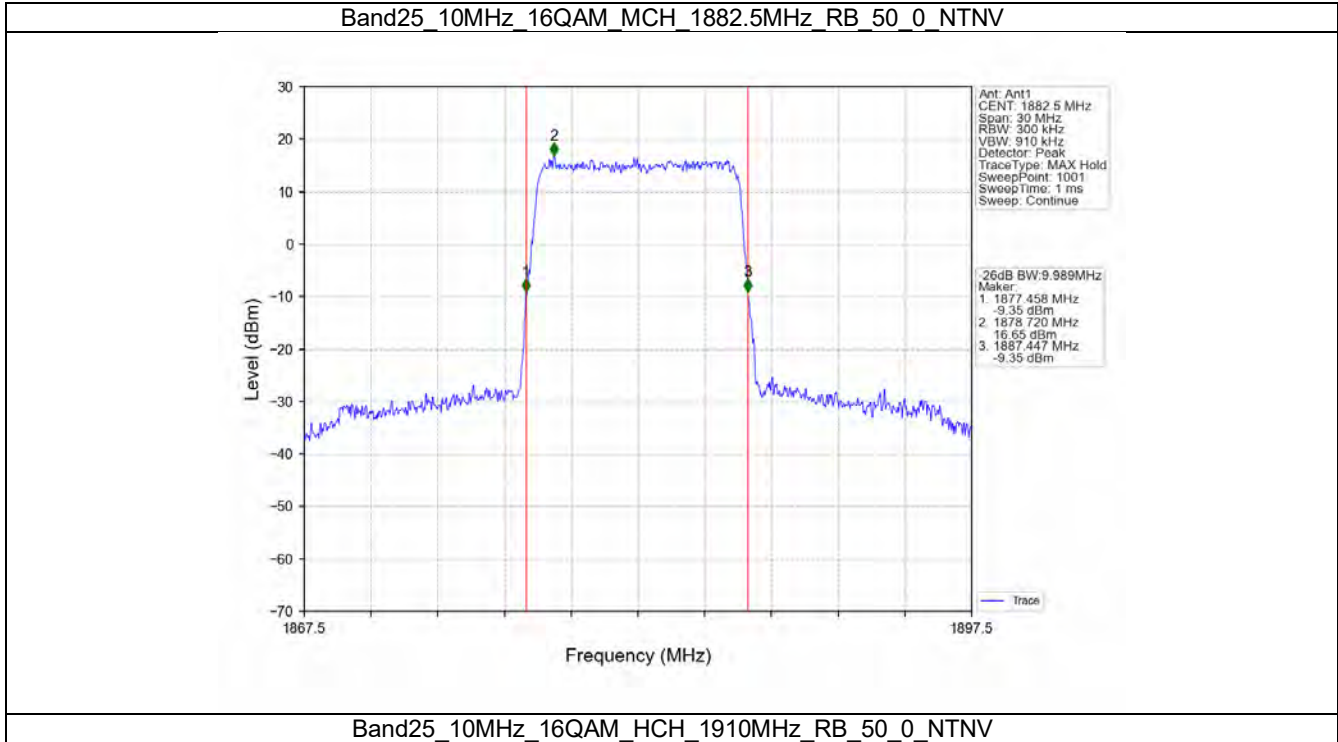


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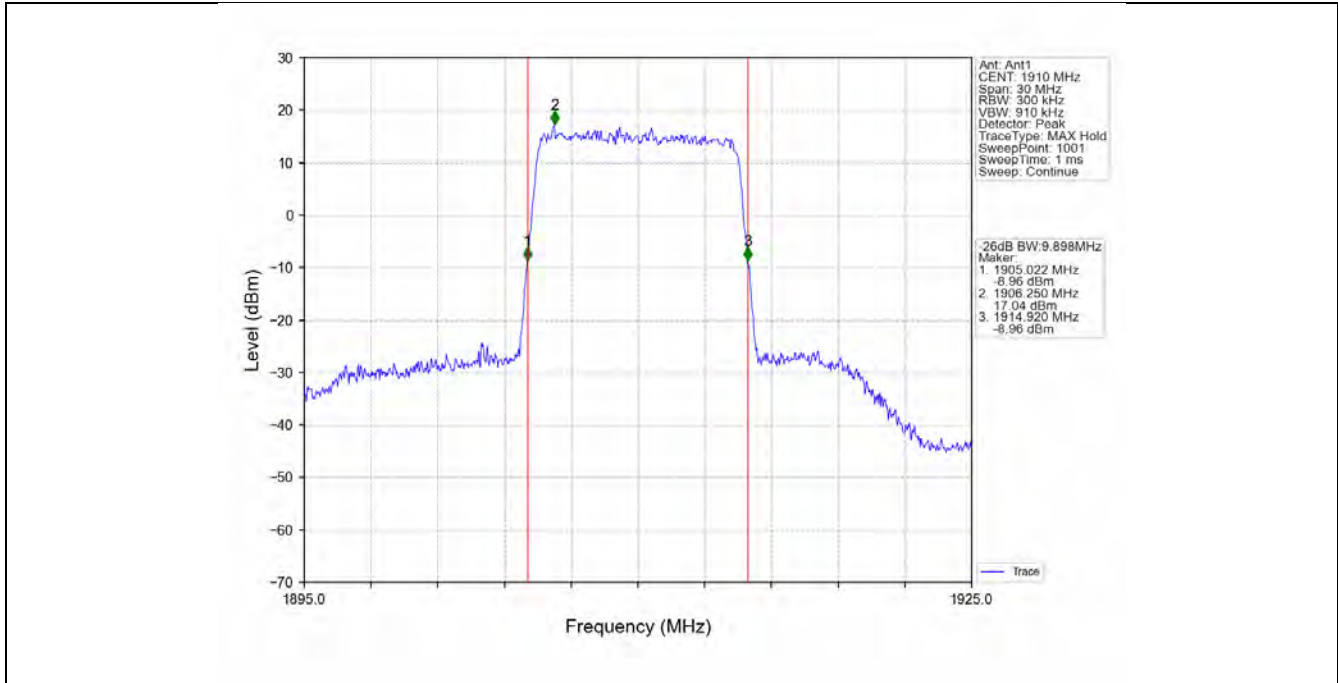


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Rev.: 01

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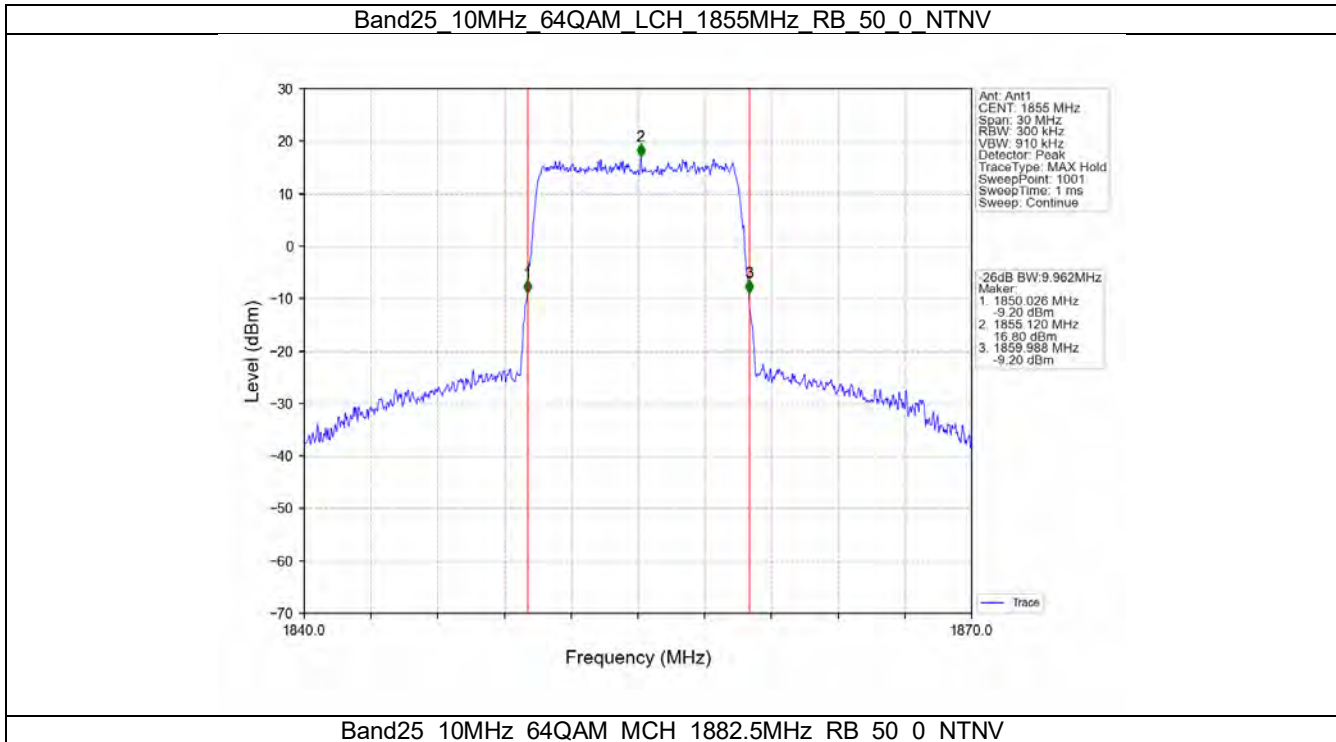


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Report No.: SZCR240100038408

Rev.: 01

Page: 150 of 504



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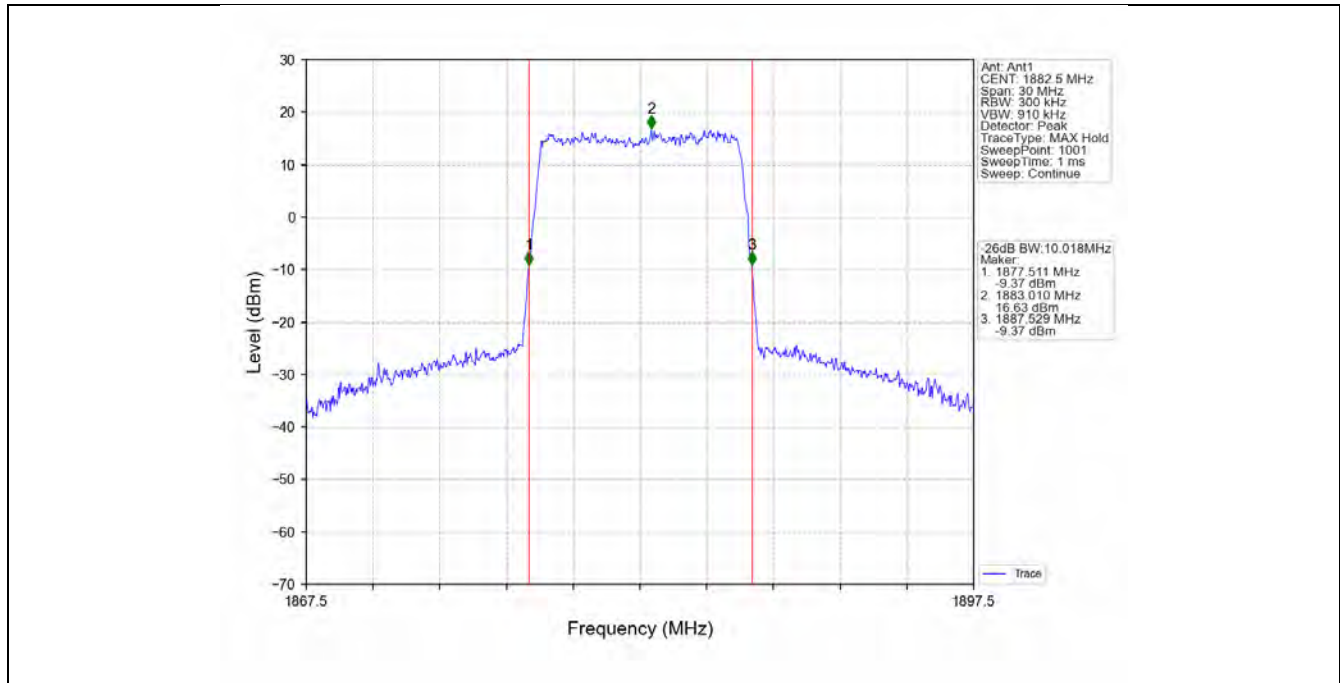


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Report No.: SZCR240100038408

Rev.: 01

Page: 151 of 504



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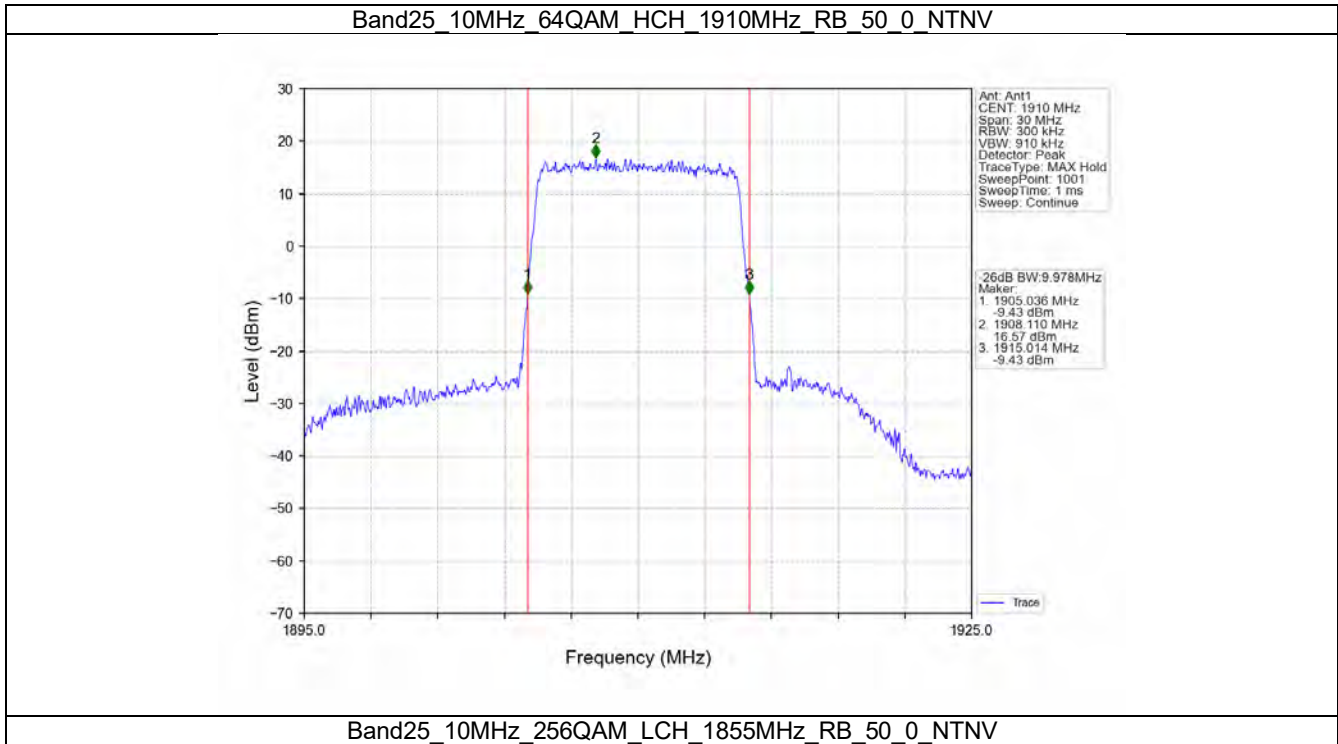


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Report No.: SZCR240100038408

Rev.: 01

Page: 152 of 504



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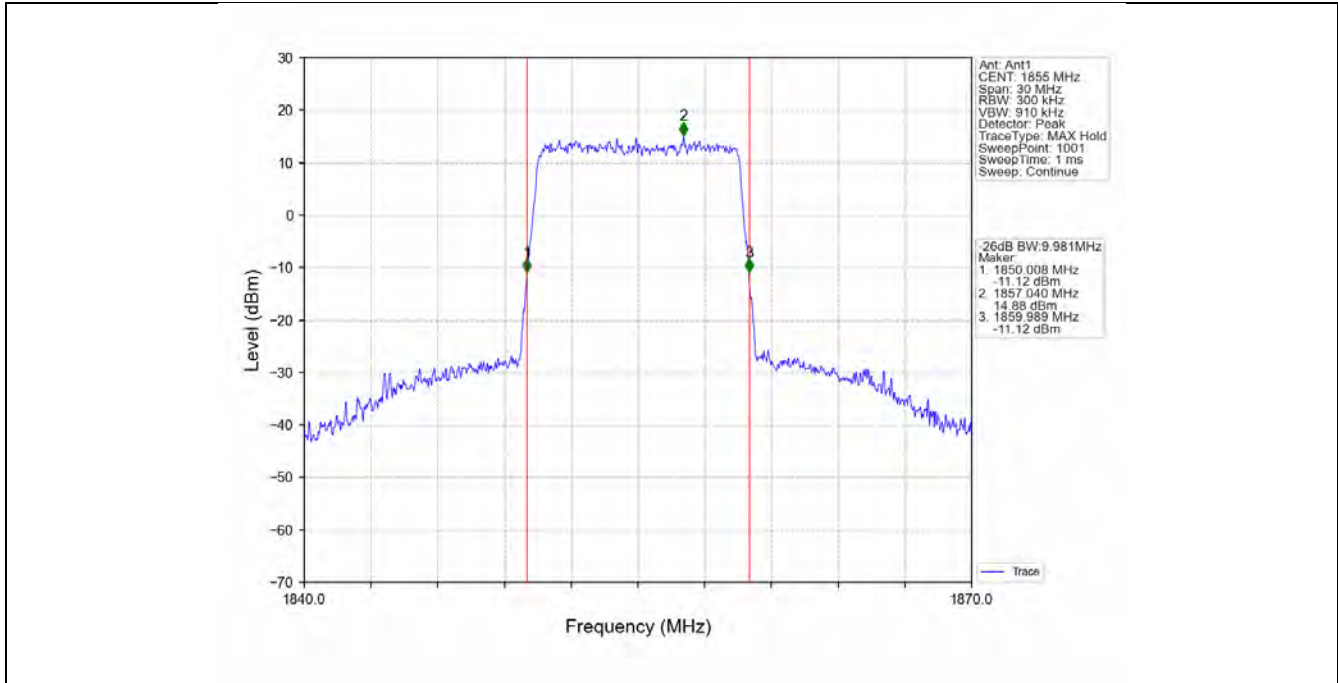


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Shenzhen Branch**

Report No.: SZCR240100038408

Rev.: 01

Page: 153 of 504



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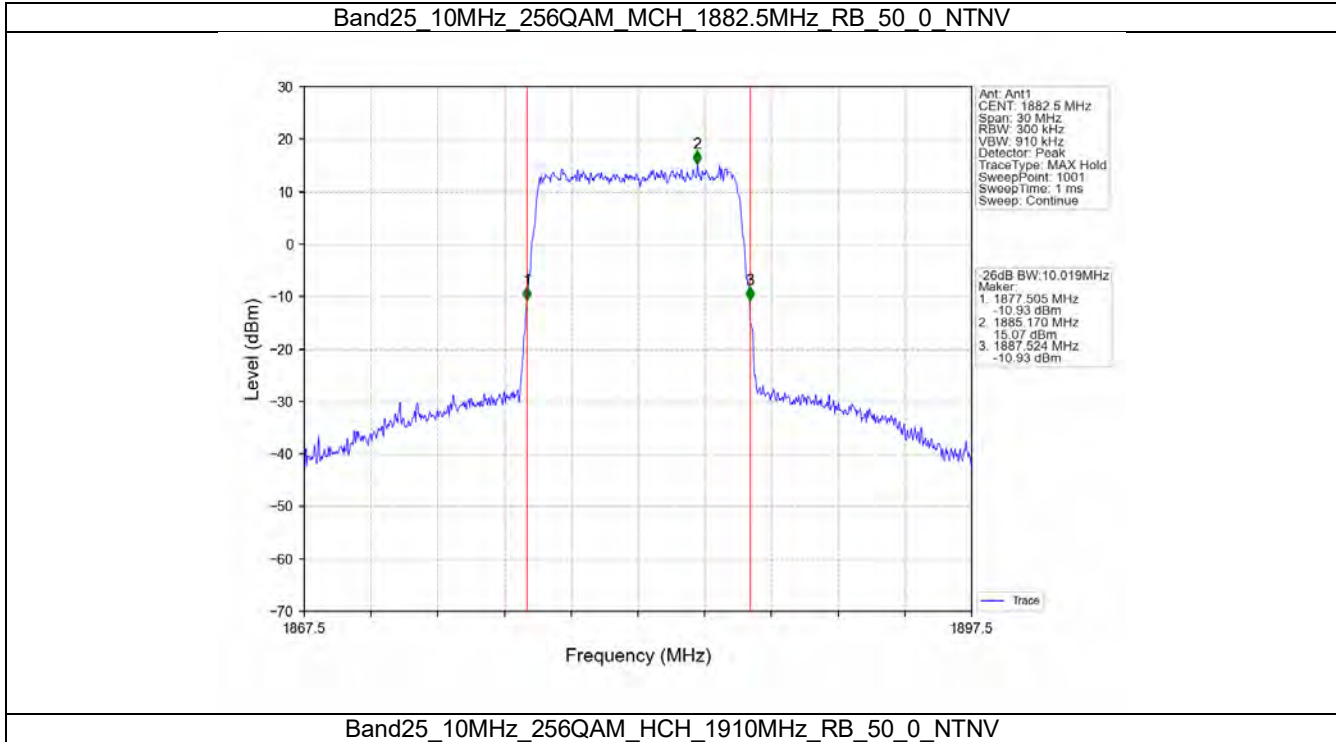


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Report No.: SZCR240100038408

Rev.: 01

Page: 154 of 504



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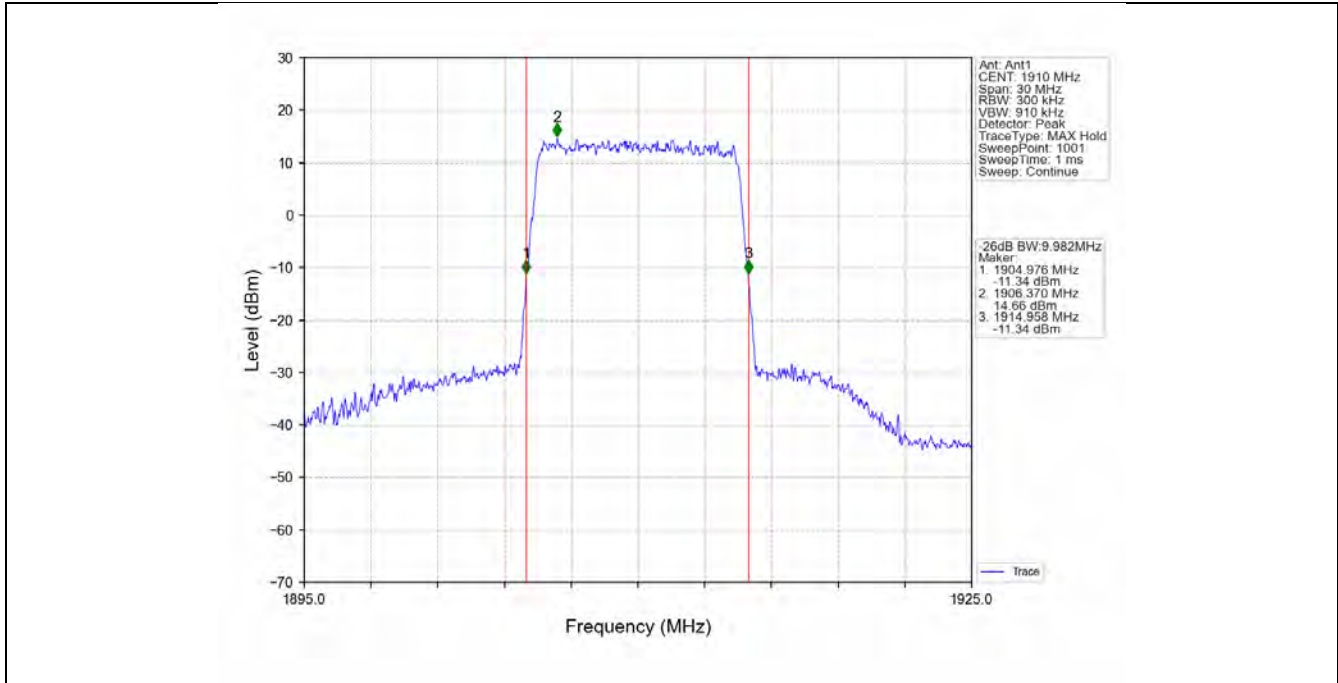


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Report No.: SZCR240100038408

Rev.: 01

Page: 155 of 504



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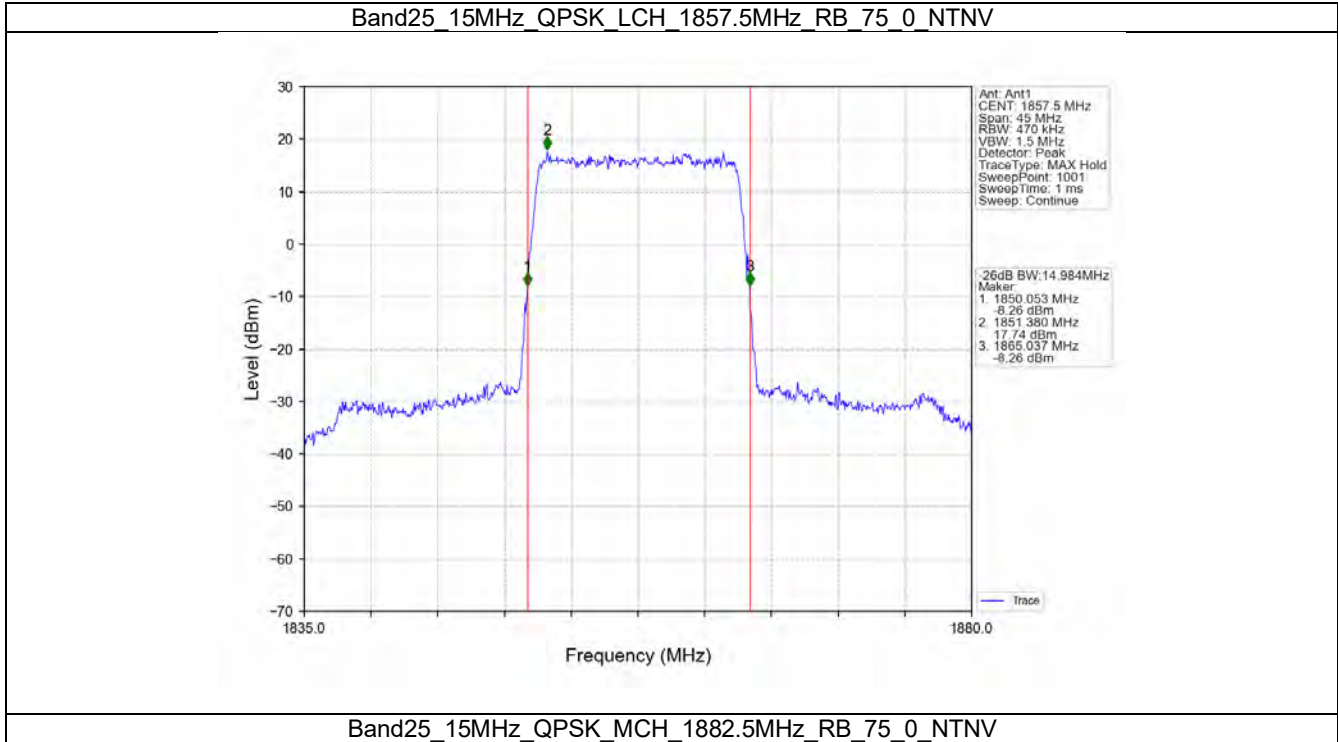


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Report No.: SZCR240100038408

Rev.: 01

Page: 156 of 504



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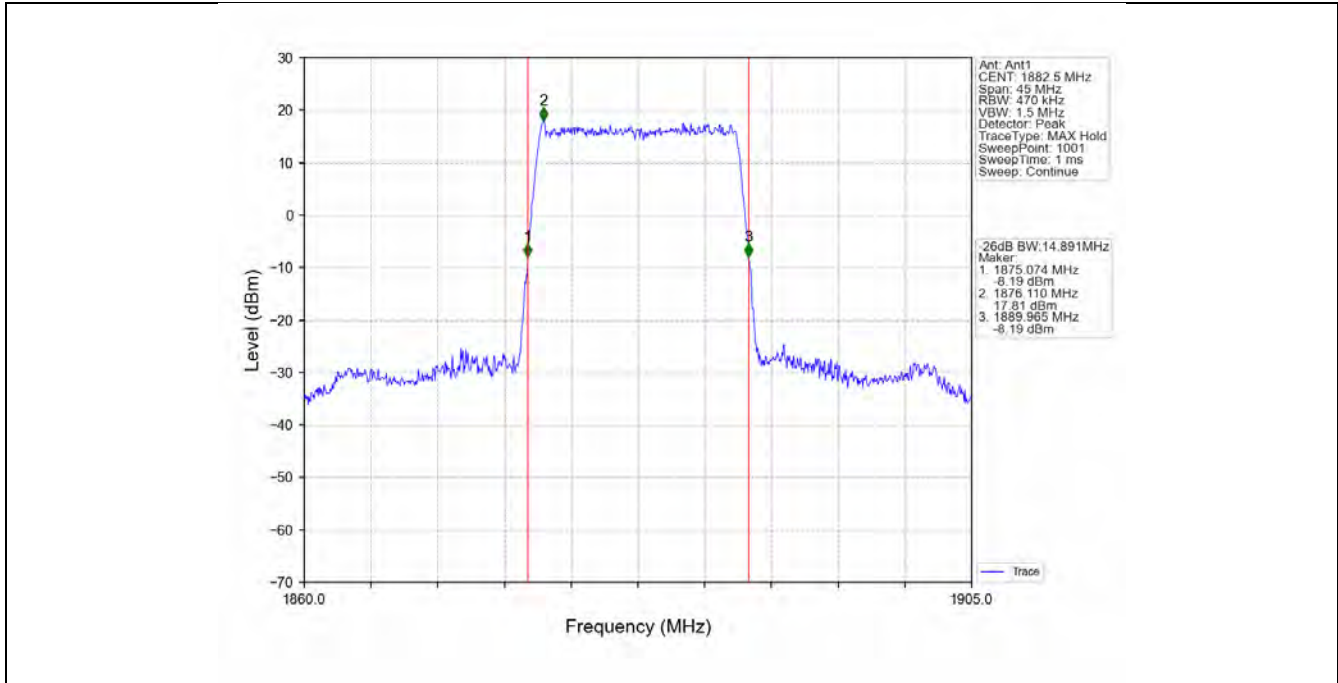


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Report No.: SZCR240100038408

Rev.: 01

Page: 157 of 504



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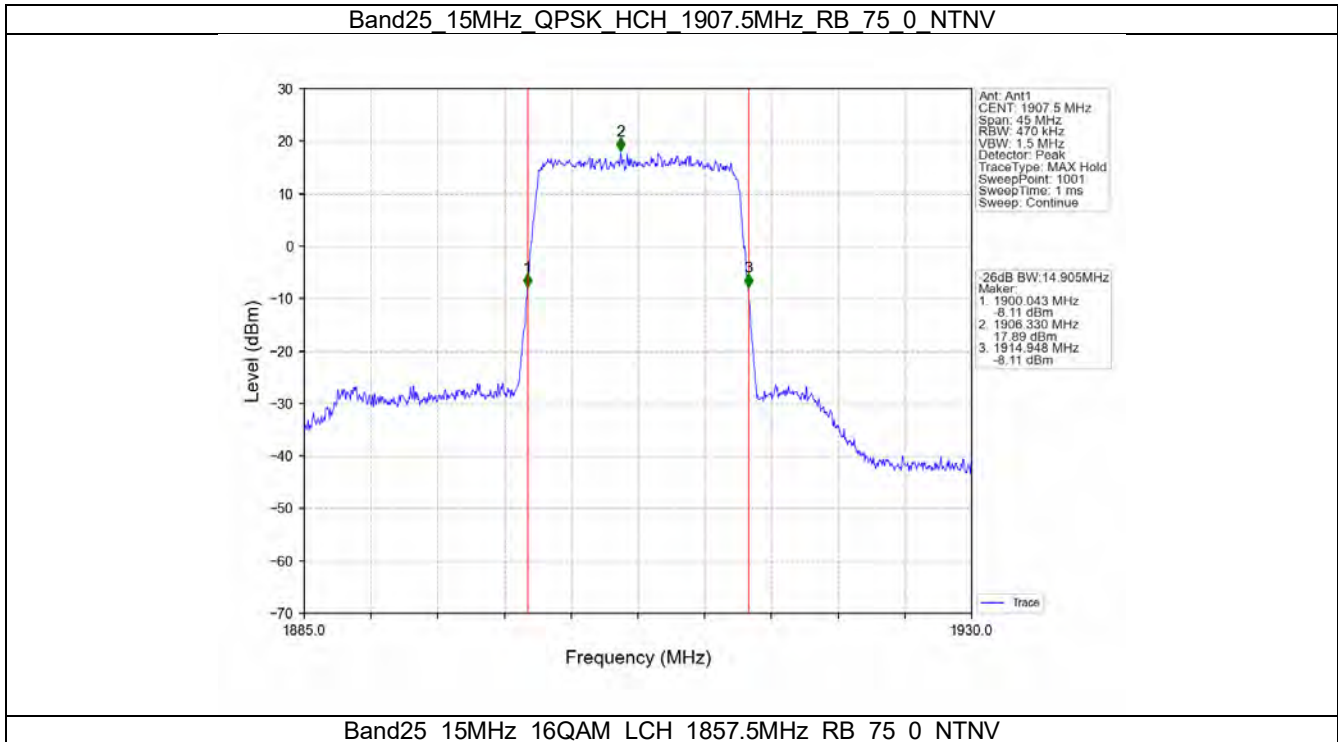


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Report No.: SZCR240100038408

Rev.: 01

Page: 158 of 504



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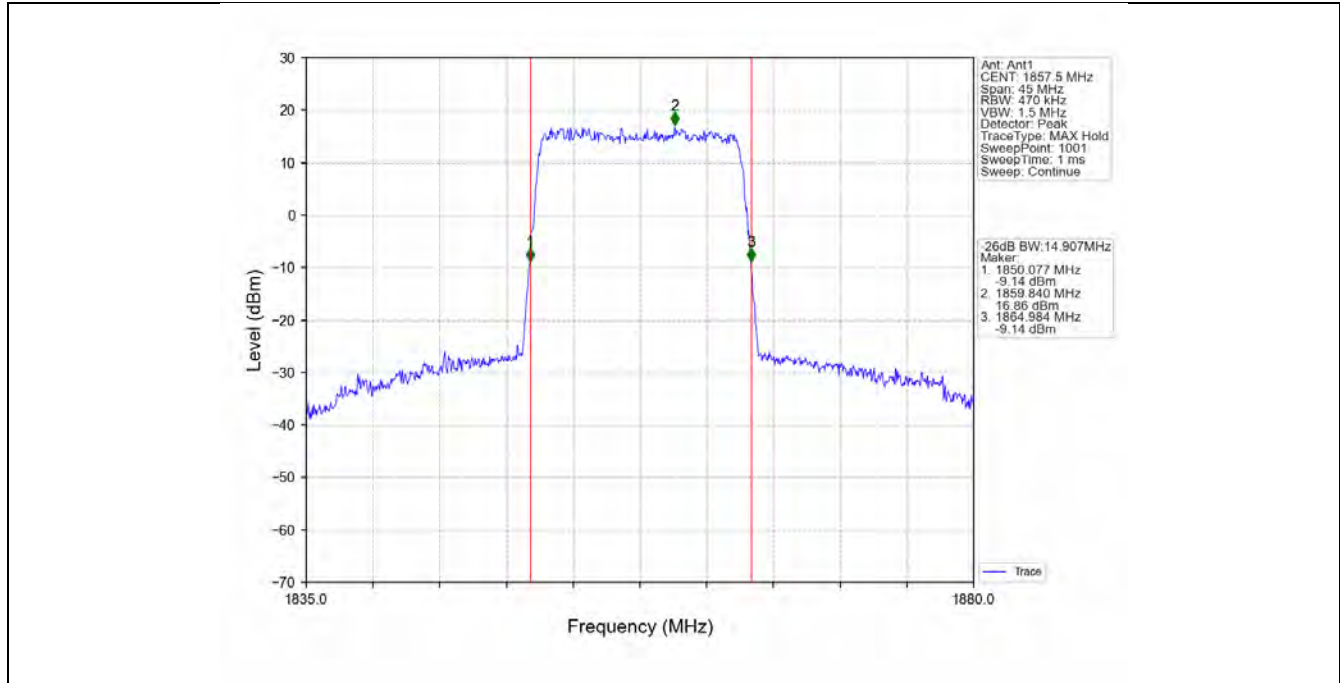


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Report No.: SZCR240100038408

Rev.: 01

Page: 159 of 504



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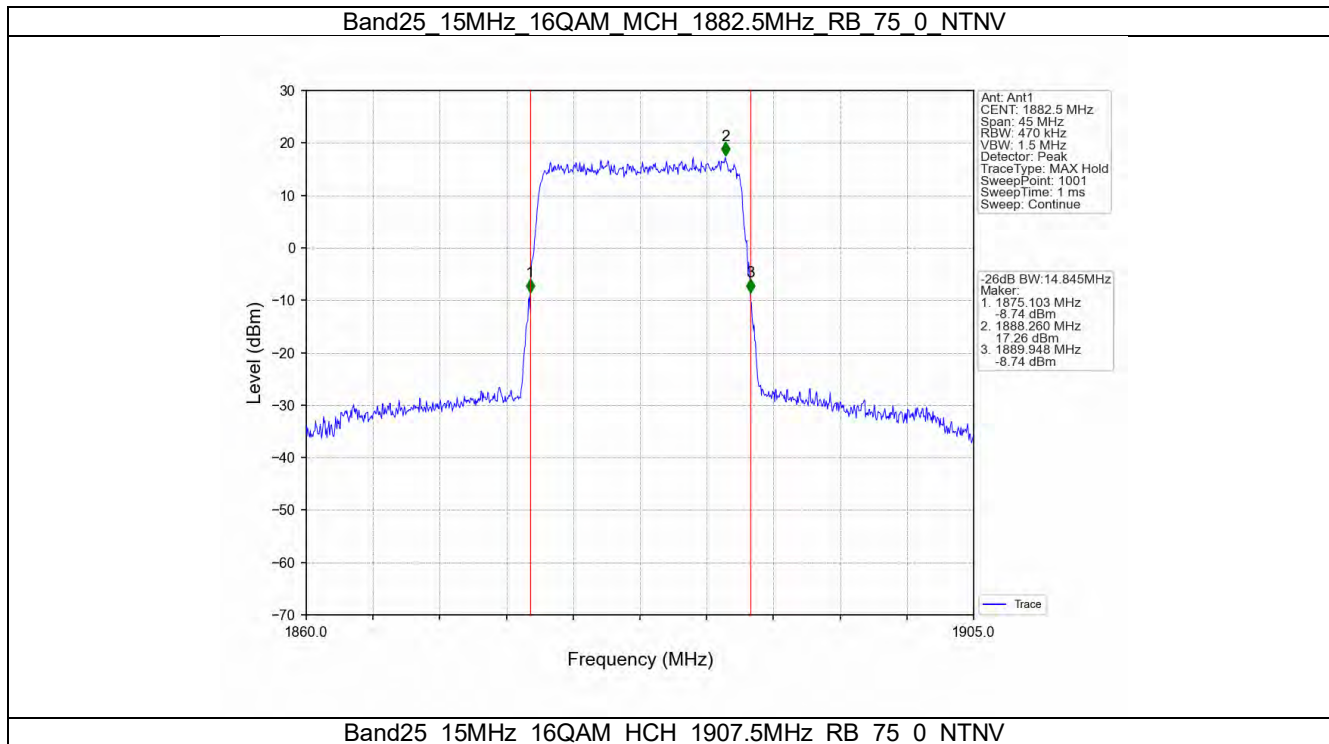
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Report No.: SZCR240100038408
Rev.: 01
Page: 160 of 504



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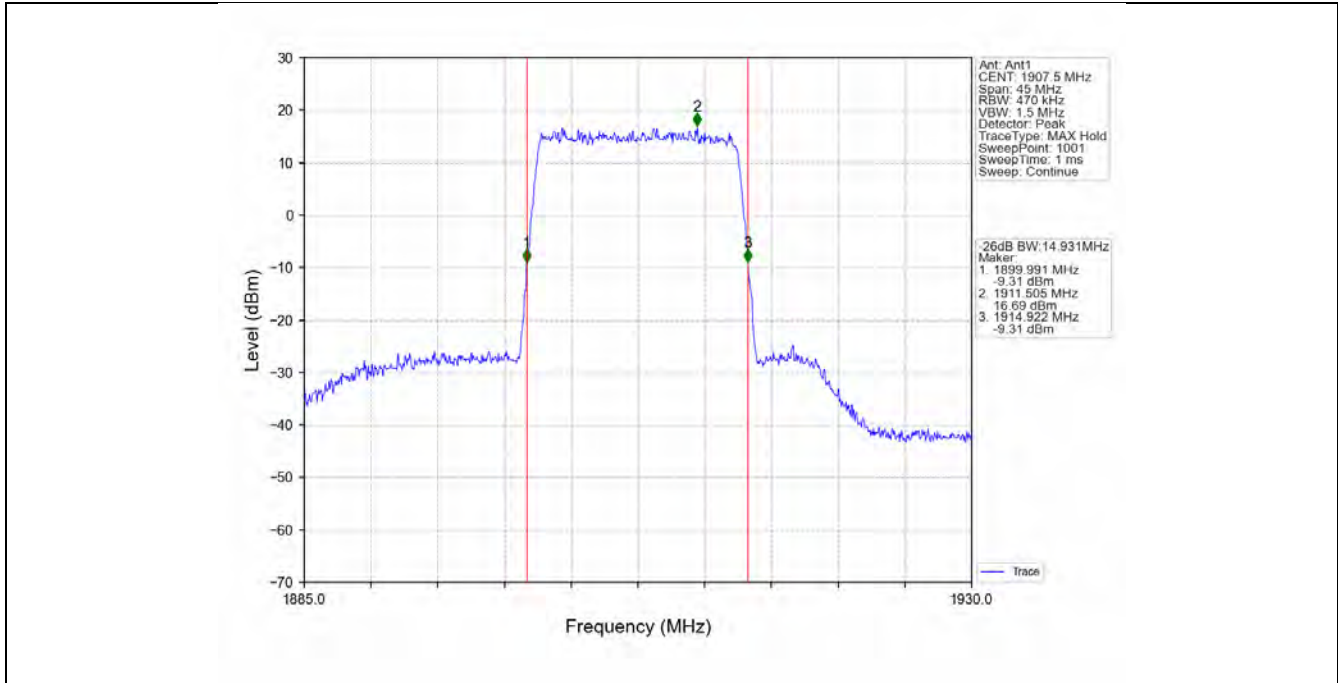


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Report No.: SZCR240100038408

Rev.: 01

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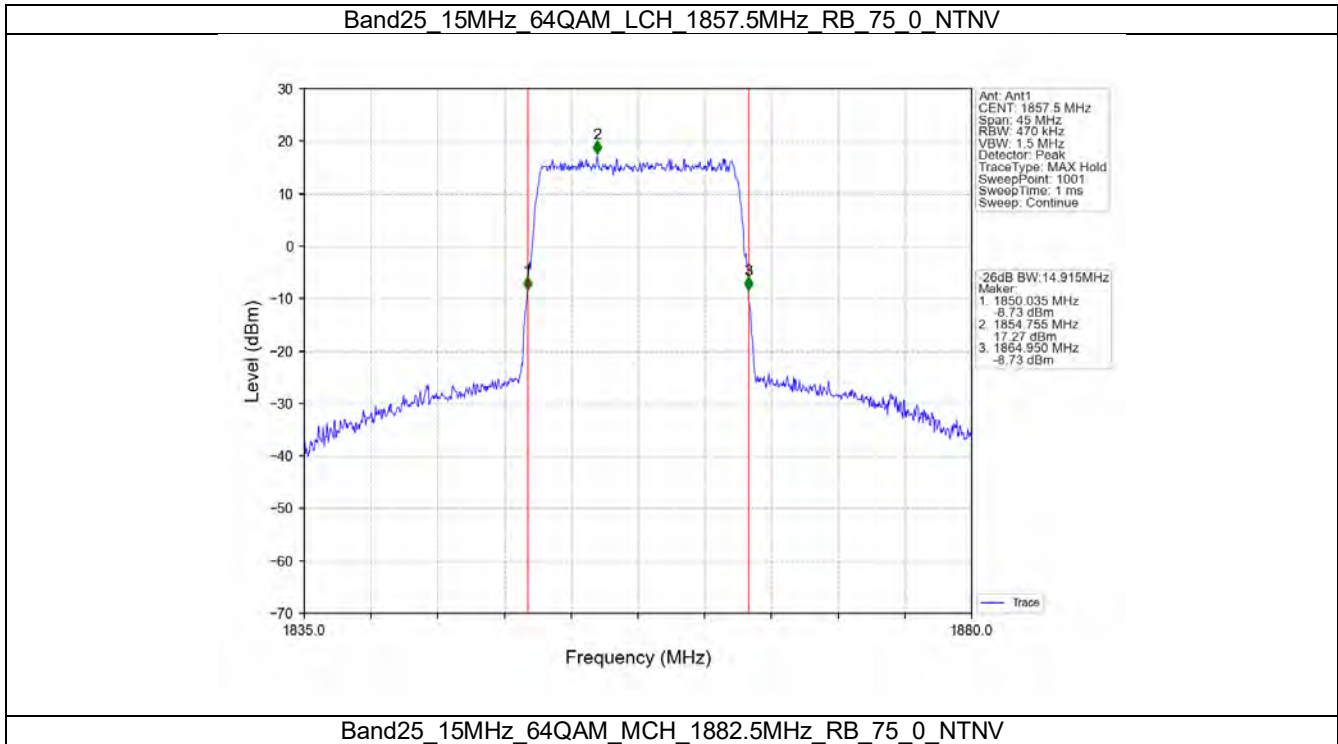


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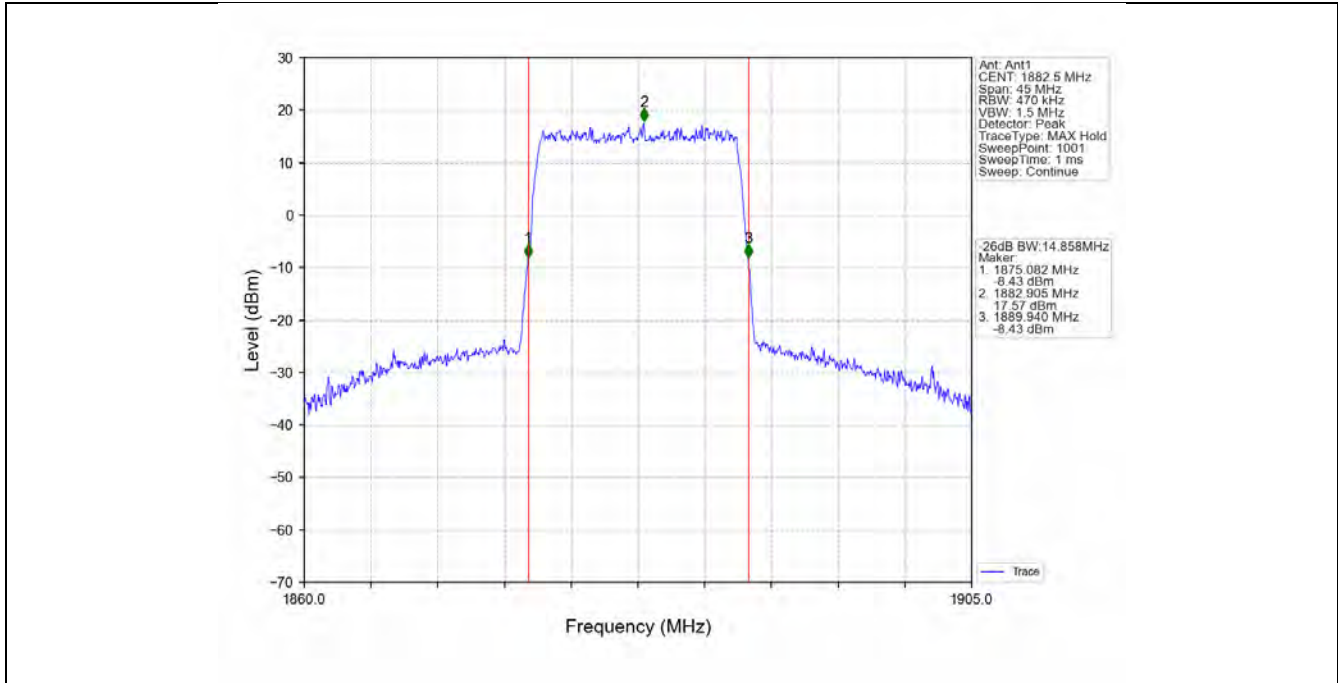


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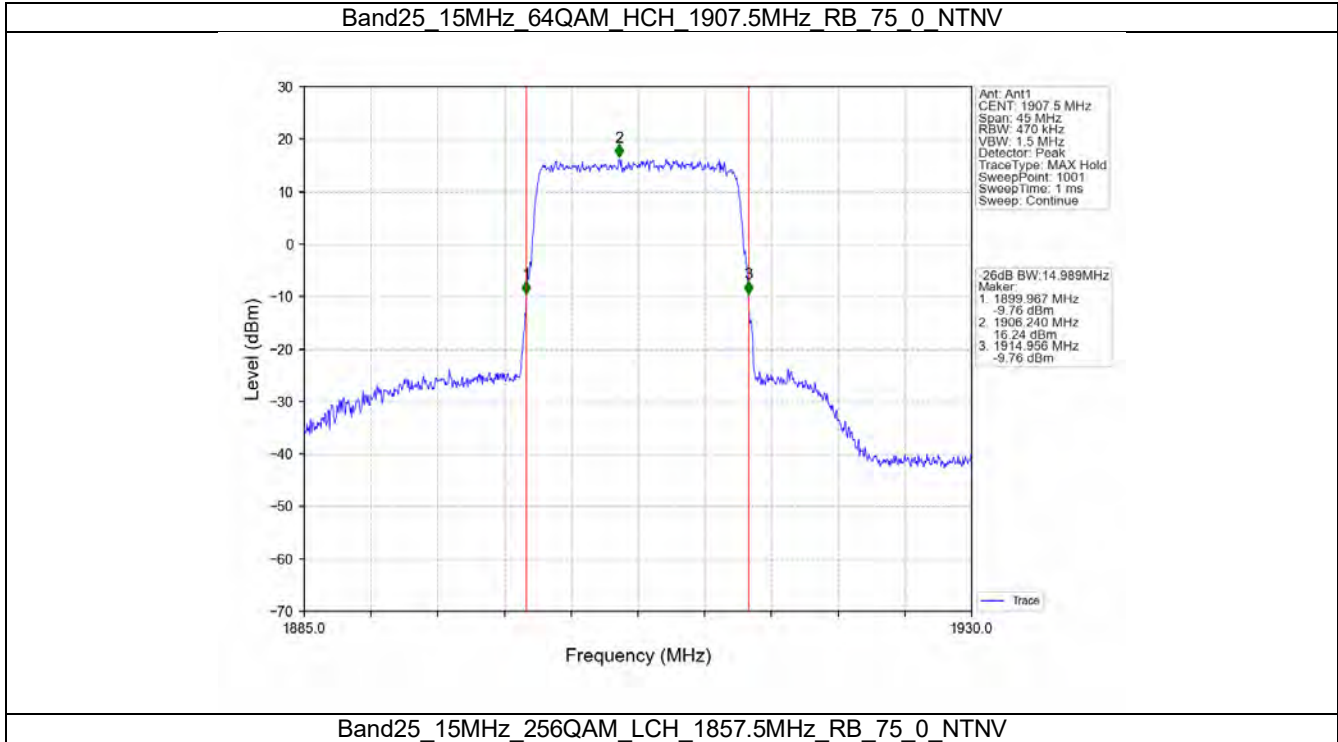


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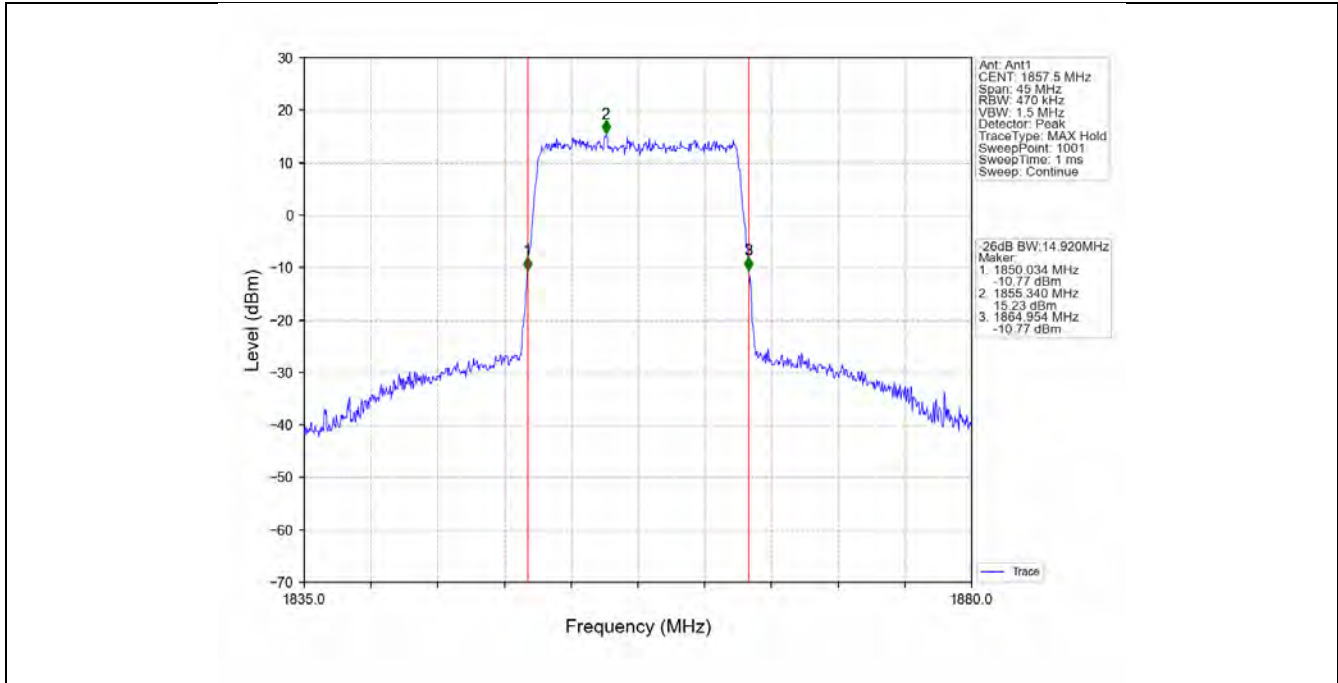


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Rev.: 01

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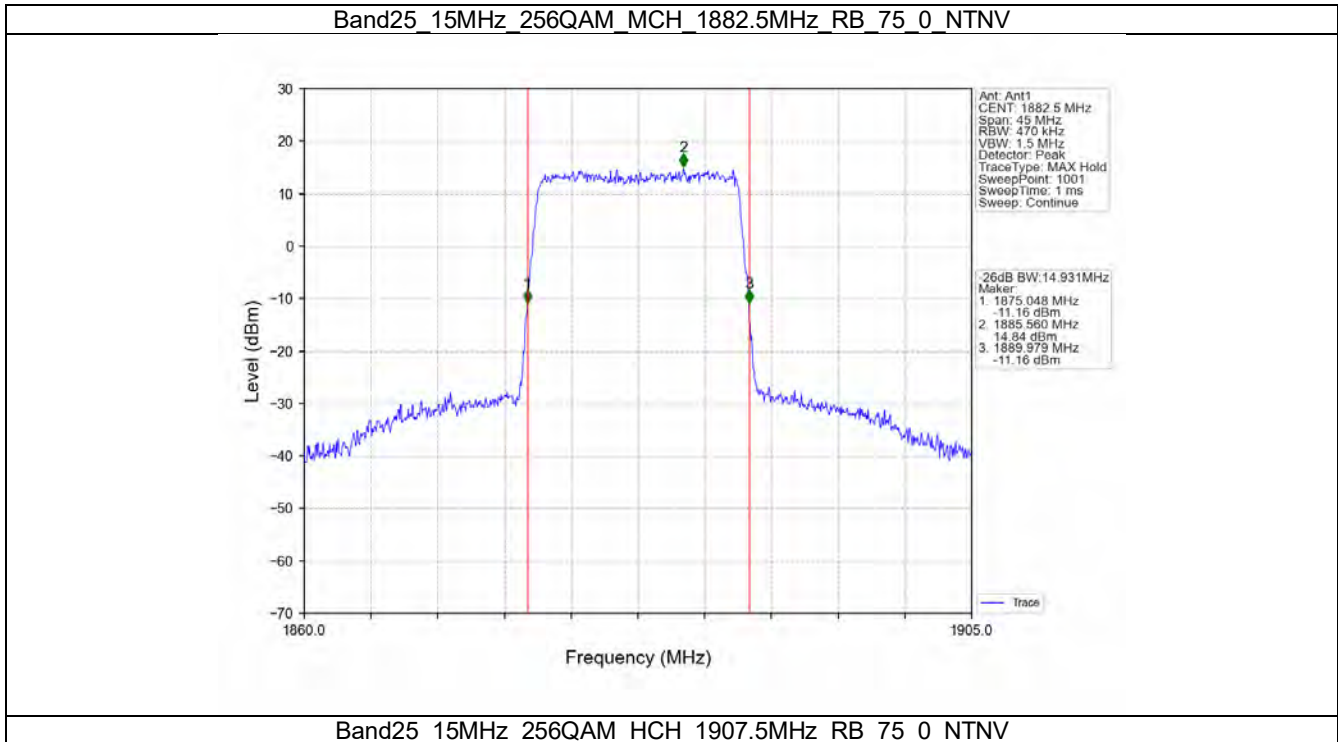


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Report No.: SZCR240100038408

Rev.: 01

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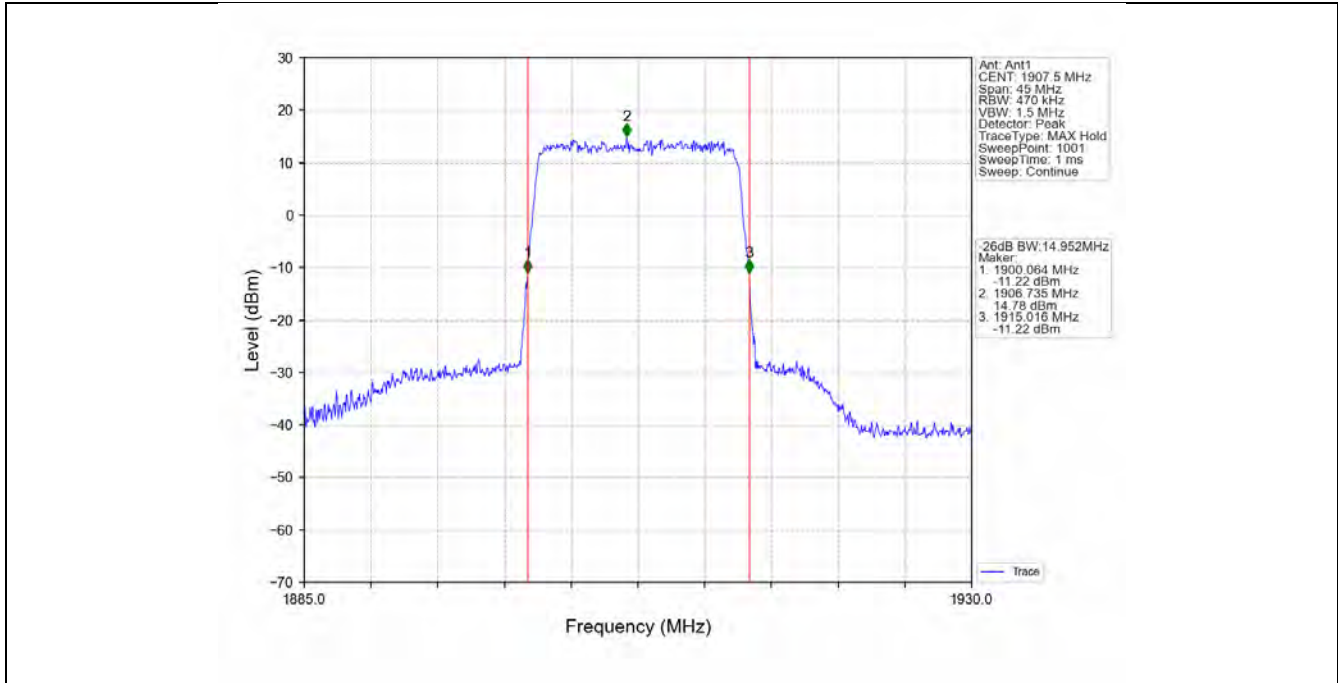


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Report No.: SZCR240100038408

Rev.: 01

Page: 167 of 504



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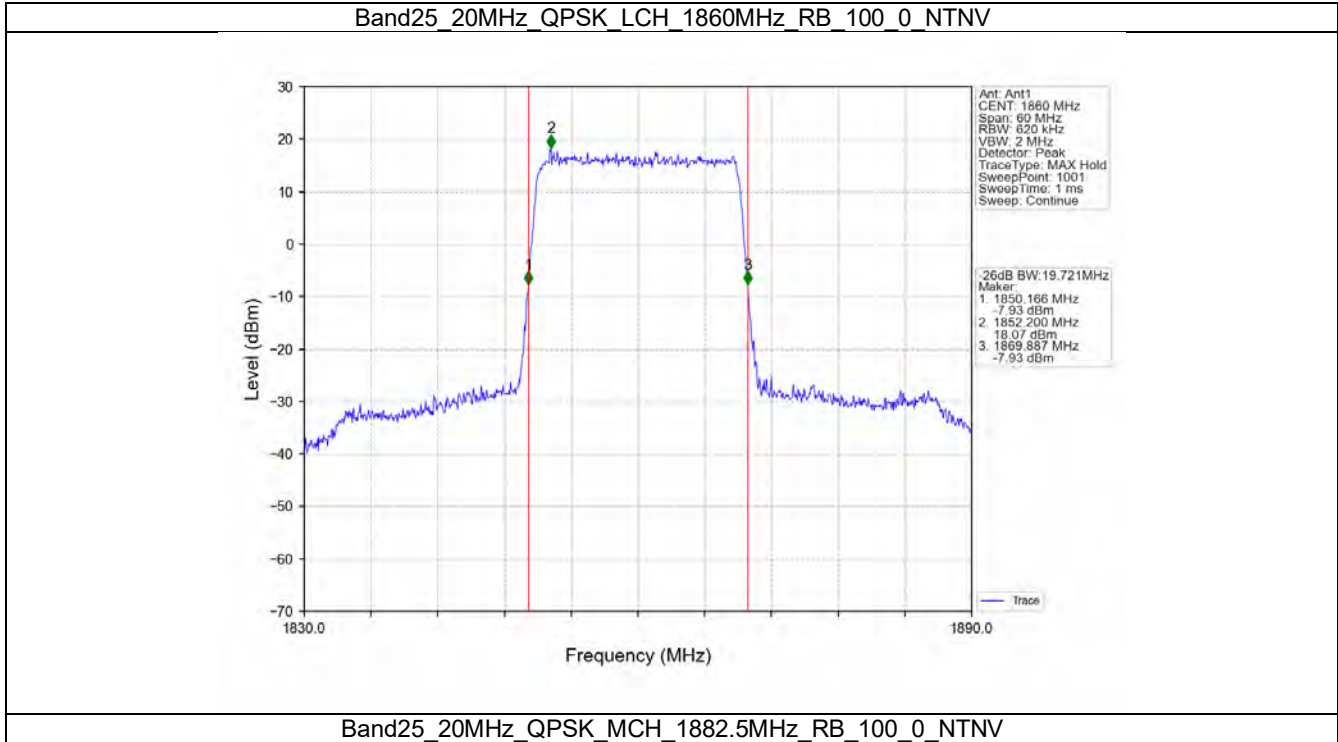


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Report No.: SZCR240100038408

Rev.: 01

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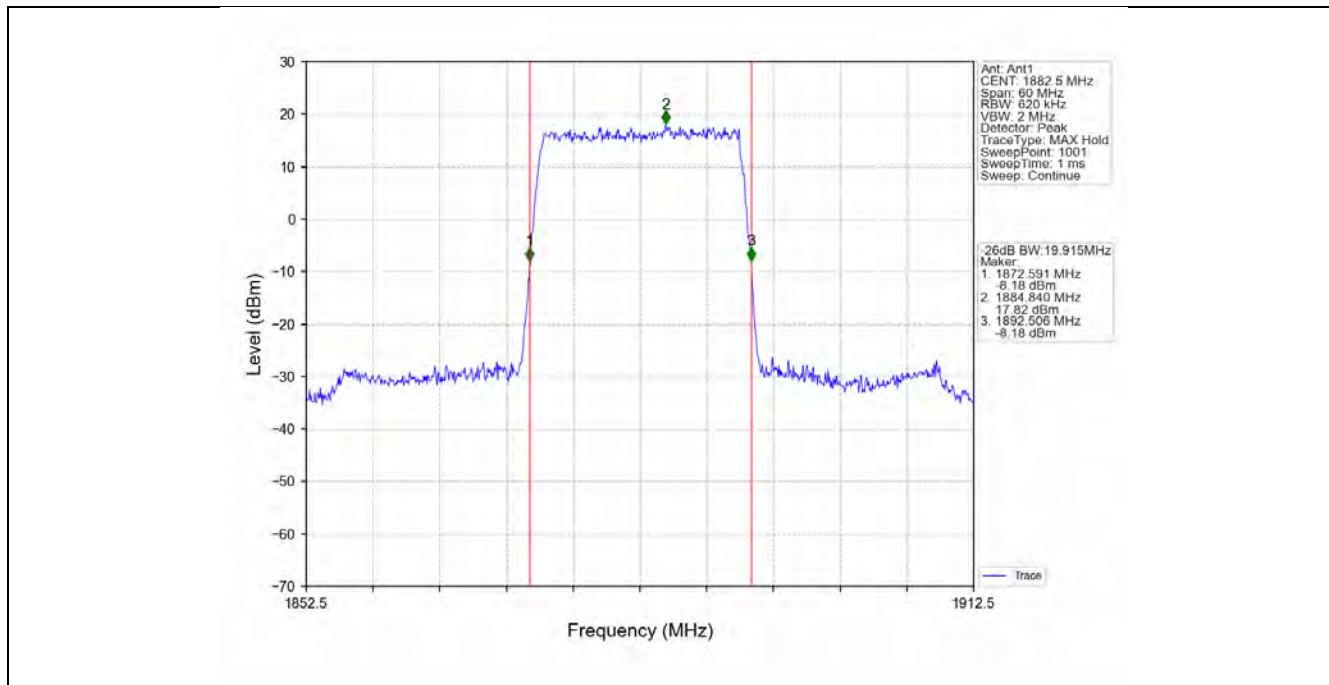
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Report No.: SZCR240100038408
Rev.: 01
Page: 169 of 504



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