

# Appendix B.6

## LTE Band 2



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# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B2\_1.4MHz\_EIRP

### 1.1.1 Test Result ANT3

Band: 2 / Bandwidth: 1.4MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1850.7	1	0	23.68	-1.70	21.98	<=33.00	Pass	
			2	23.71	-1.70	22.01	<=33.00	Pass	
			5	23.66	-1.70	21.96	<=33.00	Pass	
		3	0	23.68	-1.70	21.98	<=33.00	Pass	
			2	23.68	-1.70	21.98	<=33.00	Pass	
			3	23.7	-1.70	22	<=33.00	Pass	
		6	0	22.7	-1.70	21	<=33.00	Pass	
			1	0	23.83	-1.70	22.13	<=33.00	Pass
				2	23.85	-1.70	22.15	<=33.00	Pass
	5	23.76		-1.70	22.06	<=33.00	Pass		
	3	0	23.83	-1.70	22.13	<=33.00	Pass		
		2	23.82	-1.70	22.12	<=33.00	Pass		
		3	23.81	-1.70	22.11	<=33.00	Pass		
	6	0	22.85	-1.70	21.15	<=33.00	Pass		
		1	0	23.79	-1.70	22.09	<=33.00	Pass	
			2	23.83	-1.70	22.13	<=33.00	Pass	
	5		23.83	-1.70	22.13	<=33.00	Pass		
	3	0	23.79	-1.70	22.09	<=33.00	Pass		
		2	23.85	-1.70	22.15	<=33.00	Pass		
		3	23.79	-1.70	22.09	<=33.00	Pass		
	6	0	22.83	-1.70	21.13	<=33.00	Pass		
		1	0	22.84	-1.70	21.14	<=33.00	Pass	
			2	22.83	-1.70	21.13	<=33.00	Pass	
	5		22.84	-1.70	21.14	<=33.00	Pass		
3	0	22.75	-1.70	21.05	<=33.00	Pass			
	2	22.78	-1.70	21.08	<=33.00	Pass			
	3	22.77	-1.70	21.07	<=33.00	Pass			
6	0	21.76	-1.70	20.06	<=33.00	Pass			
	1	0	22.98	-1.70	21.28	<=33.00	Pass		
		2	22.98	-1.70	21.28	<=33.00	Pass		
5		23.04	-1.70	21.34	<=33.00	Pass			
3	0	22.93	-1.70	21.23	<=33.00	Pass			
	2	22.93	-1.70	21.23	<=33.00	Pass			
	3	22.91	-1.70	21.21	<=33.00	Pass			
6	0	21.77	-1.70	20.07	<=33.00	Pass			
	1	0	22.98	-1.70	21.28	<=33.00	Pass		
		2	23.05	-1.70	21.35	<=33.00	Pass		



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			5	22.91	-1.70	21.21	<=33.00	Pass		
		3	0	22.97	-1.70	21.27	<=33.00	Pass		
			2	22.9	-1.70	21.2	<=33.00	Pass		
			3	22.91	-1.70	21.21	<=33.00	Pass		
			6	0	21.93	-1.70	20.23	<=33.00	Pass	
64QAM	1850.7	1	0	21.84	-1.70	20.14	<=33.00	Pass		
			2	21.9	-1.70	20.2	<=33.00	Pass		
			5	21.84	-1.70	20.14	<=33.00	Pass		
		3	0	21.73	-1.70	20.03	<=33.00	Pass		
			2	21.74	-1.70	20.04	<=33.00	Pass		
			3	21.72	-1.70	20.02	<=33.00	Pass		
		6	0	20.73	-1.70	19.03	<=33.00	Pass		
		1880	1	0	22.06	-1.70	20.36	<=33.00	Pass	
				2	22.02	-1.70	20.32	<=33.00	Pass	
	5			22.05	-1.70	20.35	<=33.00	Pass		
	3		0	21.89	-1.70	20.19	<=33.00	Pass		
			2	21.87	-1.70	20.17	<=33.00	Pass		
			3	21.87	-1.70	20.17	<=33.00	Pass		
	6		0	20.75	-1.70	19.05	<=33.00	Pass		
	1909.3		1	0	21.9	-1.70	20.2	<=33.00	Pass	
				2	22.08	-1.70	20.38	<=33.00	Pass	
		5		21.91	-1.70	20.21	<=33.00	Pass		
		3	0	21.89	-1.70	20.19	<=33.00	Pass		
			2	21.92	-1.70	20.22	<=33.00	Pass		
			3	21.91	-1.70	20.21	<=33.00	Pass		
		6	0	20.84	-1.70	19.14	<=33.00	Pass		
		Note1: EIRP=Conducted Power+Antenna Gain								



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## 1.2 B2\_3MHz\_EIRP

### 1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1851.5	1	0	23.64	-1.70	21.94	<=33.00	Pass		
			7	23.67	-1.70	21.97	<=33.00	Pass		
			14	23.65	-1.70	21.95	<=33.00	Pass		
		8	0	22.71	-1.70	21.01	<=33.00	Pass		
			4	22.76	-1.70	21.06	<=33.00	Pass		
			7	22.69	-1.70	20.99	<=33.00	Pass		
		15	0	22.74	-1.70	21.04	<=33.00	Pass		
		1880	1	0	23.76	-1.70	22.06	<=33.00	Pass	
				7	23.88	-1.70	22.18	<=33.00	Pass	
	14			23.75	-1.70	22.05	<=33.00	Pass		
	8		0	22.77	-1.70	21.07	<=33.00	Pass		
			4	22.88	-1.70	21.18	<=33.00	Pass		
			7	22.85	-1.70	21.15	<=33.00	Pass		
	15		0	22.77	-1.70	21.07	<=33.00	Pass		
	1908.5		1	0	23.7	-1.70	22	<=33.00	Pass	
				7	23.82	-1.70	22.12	<=33.00	Pass	
		14		23.73	-1.70	22.03	<=33.00	Pass		
		8	0	22.81	-1.70	21.11	<=33.00	Pass		
			4	22.91	-1.70	21.21	<=33.00	Pass		
			7	22.86	-1.70	21.16	<=33.00	Pass		
		15	0	22.78	-1.70	21.08	<=33.00	Pass		
		16QAM	1851.5	1	0	22.74	-1.70	21.04	<=33.00	Pass
					7	22.85	-1.70	21.15	<=33.00	Pass
	14				22.82	-1.70	21.12	<=33.00	Pass	
8	0			21.76	-1.70	20.06	<=33.00	Pass		
	4			21.8	-1.70	20.1	<=33.00	Pass		
	7			21.75	-1.70	20.05	<=33.00	Pass		
15	0			21.7	-1.70	20	<=33.00	Pass		
1880	1			0	22.92	-1.70	21.22	<=33.00	Pass	
				7	23.02	-1.70	21.32	<=33.00	Pass	
			14	22.99	-1.70	21.29	<=33.00	Pass		
	8		0	21.8	-1.70	20.1	<=33.00	Pass		
			4	21.91	-1.70	20.21	<=33.00	Pass		
			7	21.87	-1.70	20.17	<=33.00	Pass		
	15		0	21.79	-1.70	20.09	<=33.00	Pass		
	1908.5		1	0	22.98	-1.70	21.28	<=33.00	Pass	
				7	23.03	-1.70	21.33	<=33.00	Pass	
14				22.98	-1.70	21.28	<=33.00	Pass		
8			0	21.82	-1.70	20.12	<=33.00	Pass		
			4	21.92	-1.70	20.22	<=33.00	Pass		



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			7	21.88	-1.70	20.18	<=33.00	Pass
		15	0	21.79	-1.70	20.09	<=33.00	Pass
64QAM	1851.5	1	0	21.79	-1.70	20.09	<=33.00	Pass
			7	21.92	-1.70	20.22	<=33.00	Pass
			14	21.86	-1.70	20.16	<=33.00	Pass
		8	0	20.56	-1.70	18.86	<=33.00	Pass
			4	20.76	-1.70	19.06	<=33.00	Pass
			7	20.8	-1.70	19.1	<=33.00	Pass
	15	0	20.75	-1.70	19.05	<=33.00	Pass	
	1880	1	0	21.92	-1.70	20.22	<=33.00	Pass
			7	22.11	-1.70	20.41	<=33.00	Pass
			14	21.92	-1.70	20.22	<=33.00	Pass
		8	0	20.78	-1.70	19.08	<=33.00	Pass
			4	20.87	-1.70	19.17	<=33.00	Pass
			7	20.83	-1.70	19.13	<=33.00	Pass
	15	0	20.81	-1.70	19.11	<=33.00	Pass	
	1908.5	1	0	21.78	-1.70	20.08	<=33.00	Pass
			7	21.89	-1.70	20.19	<=33.00	Pass
			14	21.84	-1.70	20.14	<=33.00	Pass
		8	0	20.7	-1.70	19	<=33.00	Pass
			4	21.06	-1.70	19.36	<=33.00	Pass
			7	20.88	-1.70	19.18	<=33.00	Pass
	15	0	20.81	-1.70	19.11	<=33.00	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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1.3 B2\_5MHz\_EIRP

1.3.1 Test Result

Band: 2 / 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	23.65	-1.70	21.95	<=33.00	Pass		
			13	23.81	-1.70	22.11	<=33.00	Pass		
			24	23.69	-1.70	21.99	<=33.00	Pass		
		12	0	22.73	-1.70	21.03	<=33.00	Pass		
			6	22.77	-1.70	21.07	<=33.00	Pass		
			13	22.73	-1.70	21.03	<=33.00	Pass		
		25	0	22.76	-1.70	21.06	<=33.00	Pass		
		1880	1	0	23.8	-1.70	22.1	<=33.00	Pass	
				13	23.89	-1.70	22.19	<=33.00	Pass	
	24			23.8	-1.70	22.1	<=33.00	Pass		
	12		0	22.8	-1.70	21.1	<=33.00	Pass		
			6	22.83	-1.70	21.13	<=33.00	Pass		
			13	22.88	-1.70	21.18	<=33.00	Pass		
	25		0	22.79	-1.70	21.09	<=33.00	Pass		
	1907.5		1	0	23.86	-1.70	22.16	<=33.00	Pass	
				13	23.96	-1.70	22.26	<=33.00	Pass	
		24		23.84	-1.70	22.14	<=33.00	Pass		
		12	0	22.81	-1.70	21.11	<=33.00	Pass		
			6	22.85	-1.70	21.15	<=33.00	Pass		
			13	22.87	-1.70	21.17	<=33.00	Pass		
		25	0	22.81	-1.70	21.11	<=33.00	Pass		
		16QAM	1852.5	1	0	22.86	-1.70	21.16	<=33.00	Pass
					13	22.94	-1.70	21.24	<=33.00	Pass
	24				22.87	-1.70	21.17	<=33.00	Pass	
	12			0	21.64	-1.70	19.94	<=33.00	Pass	
				6	21.69	-1.70	19.99	<=33.00	Pass	
				13	21.73	-1.70	20.03	<=33.00	Pass	
25	0			21.75	-1.70	20.05	<=33.00	Pass		
1880	1			0	23	-1.70	21.3	<=33.00	Pass	
				13	22.97	-1.70	21.27	<=33.00	Pass	
			24	23	-1.70	21.3	<=33.00	Pass		
	12		0	21.71	-1.70	20.01	<=33.00	Pass		
			6	21.88	-1.70	20.18	<=33.00	Pass		
			13	21.93	-1.70	20.23	<=33.00	Pass		
	25		0	21.81	-1.70	20.11	<=33.00	Pass		
	1907.5		1	0	23.02	-1.70	21.32	<=33.00	Pass	
				13	23.13	-1.70	21.43	<=33.00	Pass	
24				23.05	-1.70	21.35	<=33.00	Pass		
12			0	21.92	-1.70	20.22	<=33.00	Pass		
			6	21.94	-1.70	20.24	<=33.00	Pass		



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			13	21.86	-1.70	20.16	<=33.00	Pass
		25	0	21.85	-1.70	20.15	<=33.00	Pass
64QAM	1852.5	1	0	21.82	-1.70	20.12	<=33.00	Pass
			13	21.94	-1.70	20.24	<=33.00	Pass
			24	21.84	-1.70	20.14	<=33.00	Pass
		12	0	20.75	-1.70	19.05	<=33.00	Pass
			6	20.81	-1.70	19.11	<=33.00	Pass
			13	20.79	-1.70	19.09	<=33.00	Pass
	25	0	20.77	-1.70	19.07	<=33.00	Pass	
	1880	1	0	21.99	-1.70	20.29	<=33.00	Pass
			13	22.04	-1.70	20.34	<=33.00	Pass
			24	21.95	-1.70	20.25	<=33.00	Pass
		12	0	20.8	-1.70	19.1	<=33.00	Pass
			6	20.85	-1.70	19.15	<=33.00	Pass
			13	20.9	-1.70	19.2	<=33.00	Pass
	25	0	20.8	-1.70	19.1	<=33.00	Pass	
	1907.5	1	0	21.94	-1.70	20.24	<=33.00	Pass
			13	21.99	-1.70	20.29	<=33.00	Pass
			24	21.89	-1.70	20.19	<=33.00	Pass
		12	0	20.81	-1.70	19.11	<=33.00	Pass
			6	20.86	-1.70	19.16	<=33.00	Pass
			13	20.91	-1.70	19.21	<=33.00	Pass
25	0	20.84	-1.70	19.14	<=33.00	Pass		
Note1: EIRP=Conducted Power+Antenna Gain								



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1.4 B2\_10MHz\_EIRP

1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1855	1	0	23.67	-1.70	21.97	<=33.00	Pass		
			25	23.72	-1.70	22.02	<=33.00	Pass		
			49	23.74	-1.70	22.04	<=33.00	Pass		
		25	0	22.74	-1.70	21.04	<=33.00	Pass		
			13	22.76	-1.70	21.06	<=33.00	Pass		
			25	22.77	-1.70	21.07	<=33.00	Pass		
		50	0	22.78	-1.70	21.08	<=33.00	Pass		
		1880	1	0	23.79	-1.70	22.09	<=33.00	Pass	
				25	23.93	-1.70	22.23	<=33.00	Pass	
	49			23.78	-1.70	22.08	<=33.00	Pass		
	25		0	22.77	-1.70	21.07	<=33.00	Pass		
			13	22.81	-1.70	21.11	<=33.00	Pass		
			25	22.87	-1.70	21.17	<=33.00	Pass		
	50		0	22.8	-1.70	21.1	<=33.00	Pass		
	1905		1	0	23.89	-1.70	22.19	<=33.00	Pass	
				25	23.97	-1.70	22.27	<=33.00	Pass	
		49		23.83	-1.70	22.13	<=33.00	Pass		
		25	0	22.83	-1.70	21.13	<=33.00	Pass		
			13	22.84	-1.70	21.14	<=33.00	Pass		
			25	22.9	-1.70	21.2	<=33.00	Pass		
		50	0	22.84	-1.70	21.14	<=33.00	Pass		
		16QAM	1855	1	0	22.85	-1.70	21.15	<=33.00	Pass
					25	22.86	-1.70	21.16	<=33.00	Pass
	49				22.88	-1.70	21.18	<=33.00	Pass	
25	0			21.76	-1.70	20.06	<=33.00	Pass		
	13			21.81	-1.70	20.11	<=33.00	Pass		
	25			21.79	-1.70	20.09	<=33.00	Pass		
50	0			21.76	-1.70	20.06	<=33.00	Pass		
1880	1			0	23	-1.70	21.3	<=33.00	Pass	
				25	23	-1.70	21.3	<=33.00	Pass	
			49	23.02	-1.70	21.32	<=33.00	Pass		
	25		0	21.86	-1.70	20.16	<=33.00	Pass		
			13	21.85	-1.70	20.15	<=33.00	Pass		
			25	21.93	-1.70	20.23	<=33.00	Pass		
	50		0	21.81	-1.70	20.11	<=33.00	Pass		
	1905		1	0	23.03	-1.70	21.33	<=33.00	Pass	
				25	23.09	-1.70	21.39	<=33.00	Pass	
49				23	-1.70	21.3	<=33.00	Pass		
25			0	21.83	-1.70	20.13	<=33.00	Pass		
			13	21.87	-1.70	20.17	<=33.00	Pass		



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			25	21.92	-1.70	20.22	<=33.00	Pass
		50	0	21.84	-1.70	20.14	<=33.00	Pass
64QAM	1855	1	0	21.78	-1.70	20.08	<=33.00	Pass
			25	21.99	-1.70	20.29	<=33.00	Pass
			49	22.01	-1.70	20.31	<=33.00	Pass
		25	0	20.75	-1.70	19.05	<=33.00	Pass
			13	20.81	-1.70	19.11	<=33.00	Pass
			25	20.8	-1.70	19.1	<=33.00	Pass
	50	0	20.75	-1.70	19.05	<=33.00	Pass	
	1880	1	0	22.06	-1.70	20.36	<=33.00	Pass
			25	22.13	-1.70	20.43	<=33.00	Pass
			49	22.06	-1.70	20.36	<=33.00	Pass
		25	0	20.82	-1.70	19.12	<=33.00	Pass
			13	20.83	-1.70	19.13	<=33.00	Pass
			25	20.87	-1.70	19.17	<=33.00	Pass
	50	0	20.79	-1.70	19.09	<=33.00	Pass	
	1905	1	0	22.04	-1.70	20.34	<=33.00	Pass
			25	22.13	-1.70	20.43	<=33.00	Pass
			49	22.05	-1.70	20.35	<=33.00	Pass
		25	0	20.85	-1.70	19.15	<=33.00	Pass
			13	20.87	-1.70	19.17	<=33.00	Pass
			25	20.91	-1.70	19.21	<=33.00	Pass
	50	0	20.82	-1.70	19.12	<=33.00	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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1.5 B2\_15MHz\_EIRP

1.5.1 Test Result

Band: 2 / 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	23.5	-1.70	21.8	<=33.00	Pass	
			38	23.52	-1.70	21.82	<=33.00	Pass	
			74	23.69	-1.70	21.99	<=33.00	Pass	
		36	0	22.61	-1.70	20.91	<=33.00	Pass	
			18	22.65	-1.70	20.95	<=33.00	Pass	
			39	22.71	-1.70	21.01	<=33.00	Pass	
		75	0	22.64	-1.70	20.94	<=33.00	Pass	
		1880	1	0	23.6	-1.70	21.9	<=33.00	Pass
				38	23.7	-1.70	22	<=33.00	Pass
	74			23.57	-1.70	21.87	<=33.00	Pass	
	36		0	22.63	-1.70	20.93	<=33.00	Pass	
			18	22.66	-1.70	20.96	<=33.00	Pass	
			39	22.69	-1.70	20.99	<=33.00	Pass	
	75		0	22.61	-1.70	20.91	<=33.00	Pass	
	1902.5		1	0	23.7	-1.70	22	<=33.00	Pass
				38	23.79	-1.70	22.09	<=33.00	Pass
		74		23.58	-1.70	21.88	<=33.00	Pass	
		36	0	22.77	-1.70	21.07	<=33.00	Pass	
			18	22.74	-1.70	21.04	<=33.00	Pass	
			39	22.79	-1.70	21.09	<=33.00	Pass	
	75	0	22.75	-1.70	21.05	<=33.00	Pass		
	16QAM	1857.5	1	0	22.63	-1.70	20.93	<=33.00	Pass
				38	22.7	-1.70	21	<=33.00	Pass
				74	22.9	-1.70	21.2	<=33.00	Pass
36			0	21.62	-1.70	19.92	<=33.00	Pass	
			18	21.65	-1.70	19.95	<=33.00	Pass	
			39	21.7	-1.70	20	<=33.00	Pass	
75			0	21.63	-1.70	19.93	<=33.00	Pass	
1880			1	0	22.89	-1.70	21.19	<=33.00	Pass
				38	22.77	-1.70	21.07	<=33.00	Pass
		74		22.76	-1.70	21.06	<=33.00	Pass	
		36	0	21.67	-1.70	19.97	<=33.00	Pass	
			18	21.65	-1.70	19.95	<=33.00	Pass	
			39	21.75	-1.70	20.05	<=33.00	Pass	
		75	0	21.66	-1.70	19.96	<=33.00	Pass	
		1902.5	1	0	22.89	-1.70	21.19	<=33.00	Pass
				38	22.75	-1.70	21.05	<=33.00	Pass
74				22.7	-1.70	21	<=33.00	Pass	
36			0	21.75	-1.70	20.05	<=33.00	Pass	
			18	21.73	-1.70	20.03	<=33.00	Pass	



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			39	21.81	-1.70	20.11	<=33.00	Pass
		75	0	21.74	-1.70	20.04	<=33.00	Pass
64QAM	1857.5	1	0	21.8	-1.70	20.1	<=33.00	Pass
			38	21.71	-1.70	20.01	<=33.00	Pass
			74	21.8	-1.70	20.1	<=33.00	Pass
		36	0	20.58	-1.70	18.88	<=33.00	Pass
			18	20.66	-1.70	18.96	<=33.00	Pass
			39	20.7	-1.70	19	<=33.00	Pass
	75	0	20.67	-1.70	18.97	<=33.00	Pass	
	1880	1	0	21.96	-1.70	20.26	<=33.00	Pass
			38	22.01	-1.70	20.31	<=33.00	Pass
			74	21.85	-1.70	20.15	<=33.00	Pass
		36	0	20.68	-1.70	18.98	<=33.00	Pass
			18	20.68	-1.70	18.98	<=33.00	Pass
			39	20.78	-1.70	19.08	<=33.00	Pass
	75	0	20.68	-1.70	18.98	<=33.00	Pass	
	1902.5	1	0	21.83	-1.70	20.13	<=33.00	Pass
			38	21.96	-1.70	20.26	<=33.00	Pass
			74	21.76	-1.70	20.06	<=33.00	Pass
		36	0	20.77	-1.70	19.07	<=33.00	Pass
			18	20.77	-1.70	19.07	<=33.00	Pass
			39	20.81	-1.70	19.11	<=33.00	Pass
	75	0	20.81	-1.70	19.11	<=33.00	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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1.6 B2\_20MHz\_EIRP

1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1860	1	0	23.47	-1.70	21.77	<=33.00	Pass		
			50	23.67	-1.70	21.97	<=33.00	Pass		
			99	23.64	-1.70	21.94	<=33.00	Pass		
		50	0	22.64	-1.70	20.94	<=33.00	Pass		
			25	22.69	-1.70	20.99	<=33.00	Pass		
			50	22.76	-1.70	21.06	<=33.00	Pass		
		100	0	22.7	-1.70	21	<=33.00	Pass		
		1880	1	0	23.61	-1.70	21.91	<=33.00	Pass	
				50	23.59	-1.70	21.89	<=33.00	Pass	
	99			23.67	-1.70	21.97	<=33.00	Pass		
	50		0	22.68	-1.70	20.98	<=33.00	Pass		
			25	22.63	-1.70	20.93	<=33.00	Pass		
			50	22.73	-1.70	21.03	<=33.00	Pass		
	100		0	22.68	-1.70	20.98	<=33.00	Pass		
	1900		1	0	23.72	-1.70	22.02	<=33.00	Pass	
				50	23.7	-1.70	22	<=33.00	Pass	
		99		23.64	-1.70	21.94	<=33.00	Pass		
		50	0	22.78	-1.70	21.08	<=33.00	Pass		
			25	22.79	-1.70	21.09	<=33.00	Pass		
			50	22.85	-1.70	21.15	<=33.00	Pass		
		100	0	22.82	-1.70	21.12	<=33.00	Pass		
		16QAM	1860	1	0	22.73	-1.70	21.03	<=33.00	Pass
					50	22.75	-1.70	21.05	<=33.00	Pass
	99				22.84	-1.70	21.14	<=33.00	Pass	
50	0			21.66	-1.70	19.96	<=33.00	Pass		
	25			21.69	-1.70	19.99	<=33.00	Pass		
	50			21.76	-1.70	20.06	<=33.00	Pass		
100	0			21.71	-1.70	20.01	<=33.00	Pass		
1880	1			0	22.71	-1.70	21.01	<=33.00	Pass	
				50	22.8	-1.70	21.1	<=33.00	Pass	
			99	22.67	-1.70	20.97	<=33.00	Pass		
	50		0	21.71	-1.70	20.01	<=33.00	Pass		
			25	21.69	-1.70	19.99	<=33.00	Pass		
			50	21.76	-1.70	20.06	<=33.00	Pass		
	100		0	21.67	-1.70	19.97	<=33.00	Pass		
	1900		1	0	22.89	-1.70	21.19	<=33.00	Pass	
				50	22.92	-1.70	21.22	<=33.00	Pass	
99				22.93	-1.70	21.23	<=33.00	Pass		
50			0	21.78	-1.70	20.08	<=33.00	Pass		
			25	21.78	-1.70	20.08	<=33.00	Pass		



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			50	21.84	-1.70	20.14	<=33.00	Pass
		100	0	21.82	-1.70	20.12	<=33.00	Pass
64QAM	1860	1	0	21.78	-1.70	20.08	<=33.00	Pass
			50	21.8	-1.70	20.1	<=33.00	Pass
			99	21.91	-1.70	20.21	<=33.00	Pass
		50	0	20.65	-1.70	18.95	<=33.00	Pass
			25	20.76	-1.70	19.06	<=33.00	Pass
			50	20.77	-1.70	19.07	<=33.00	Pass
	100	0	20.98	-1.70	19.28	<=33.00	Pass	
	1880	1	0	21.93	-1.70	20.23	<=33.00	Pass
			50	21.83	-1.70	20.13	<=33.00	Pass
			99	21.74	-1.70	20.04	<=33.00	Pass
		50	0	20.71	-1.70	19.01	<=33.00	Pass
			25	20.7	-1.70	19	<=33.00	Pass
			50	20.76	-1.70	19.06	<=33.00	Pass
	100	0	20.68	-1.70	18.98	<=33.00	Pass	
	1900	1	0	22.01	-1.70	20.31	<=33.00	Pass
			50	21.94	-1.70	20.24	<=33.00	Pass
			99	21.87	-1.70	20.17	<=33.00	Pass
		50	0	20.76	-1.70	19.06	<=33.00	Pass
			25	20.81	-1.70	19.11	<=33.00	Pass
			50	20.84	-1.70	19.14	<=33.00	Pass
	100	0	20.81	-1.70	19.11	<=33.00	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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## 2. Frequency Stability

### 2.1 B2\_1.4MHz

#### 2.1.1 Test Result

Band: 2 / 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	3.5	6.897	0.0037	/	Pass	
					3.91	7.463	0.0040	/	Pass	
					4.35	7.194	0.0039	/	Pass	
				-30	3.91	6.375	0.0034	/	Pass	
					-20	3.91	4.182	0.0023	/	Pass
					-10	3.91	4.428	0.0024	/	Pass
				0	0	3.91	4.409	0.0024	/	Pass
					10	3.91	3.023	0.0016	/	Pass
					30	3.91	1.683	0.0009	/	Pass
					40	3.91	2.658	0.0014	/	Pass
	50	3.91	1.152		0.0006	/	Pass			
	1880	6	0		20	3.5	-16.792	-0.0089	/	Pass
						3.91	-13.713	-0.0073	/	Pass
				4.35		-11.417	-0.0061	/	Pass	
				-30	3.91	-8.922	-0.0047	/	Pass	
					-20	3.91	-6.707	-0.0036	/	Pass
					-10	3.91	-4.290	-0.0023	/	Pass
				0	0	3.91	-4.112	-0.0022	/	Pass
					10	3.91	-3.110	-0.0017	/	Pass
					30	3.91	-2.975	-0.0016	/	Pass
					40	3.91	0.412	0.0002	/	Pass
	50	3.91	-0.556		-0.0003	/	Pass			
	1909.3	6	0		20	3.5	-7.065	-0.0037	/	Pass
						3.91	-7.834	-0.0041	/	Pass
				4.35		-8.923	-0.0047	/	Pass	
				-30	3.91	-9.022	-0.0047	/	Pass	
					-20	3.91	-12.802	-0.0067	/	Pass
					-10	3.91	-15.752	-0.0083	/	Pass
				0	0	3.91	-16.641	-0.0087	/	Pass
					10	3.91	-19.942	-0.0104	/	Pass
30					3.91	-19.199	-0.0101	/	Pass	
40					3.91	-19.613	-0.0103	/	Pass	
50	3.91	-16.863	-0.0088		/	Pass				
16QAM	1850.7	6	0		20	3.5	0.855	0.0005	/	Pass
						3.91	2.498	0.0013	/	Pass
				4.35		0.631	0.0003	/	Pass	
				-30	3.91	2.135	0.0012	/	Pass	
					-20	3.91	2.788	0.0015	/	Pass



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64QAM	1880	6	0	-10	3.91	0.766	0.0004	/	Pass			
				0	3.91	0.465	0.0003	/	Pass			
				10	3.91	1.945	0.0011	/	Pass			
				30	3.91	1.911	0.0010	/	Pass			
				40	3.91	0.990	0.0005	/	Pass			
				50	3.91	2.533	0.0014	/	Pass			
	1880	6	0	20	3.5	-1.075	-0.0006	/	Pass			
					3.91	0.259	0.0001	/	Pass			
					4.35	0.862	0.0005	/	Pass			
				-30	3.91	1.305	0.0007	/	Pass			
				-20	3.91	2.847	0.0015	/	Pass			
				-10	3.91	0.890	0.0005	/	Pass			
				0	3.91	1.951	0.0010	/	Pass			
				10	3.91	2.455	0.0013	/	Pass			
				30	3.91	-0.185	-0.0001	/	Pass			
				40	3.91	3.060	0.0016	/	Pass			
				50	3.91	2.456	0.0013	/	Pass			
				1909.3	6	0	20	3.5	-14.322	-0.0075	/	Pass
								3.91	-11.714	-0.0061	/	Pass
								4.35	-8.842	-0.0046	/	Pass
-30	3.91	-6.220	-0.0033				/	Pass				
-20	3.91	-4.084	-0.0021				/	Pass				
-10	3.91	-2.113	-0.0011				/	Pass				
0	3.91	-2.962	-0.0016				/	Pass				
10	3.91	-3.293	-0.0017				/	Pass				
30	3.91	-1.592	-0.0008				/	Pass				
40	3.91	0.357	0.0002				/	Pass				
50	3.91	-1.084	-0.0006				/	Pass				
1850.7	6	0	20				3.5	0.955	0.0005	/	Pass	
							3.91	1.481	0.0008	/	Pass	
							4.35	1.197	0.0006	/	Pass	
			-30	3.91	1.345	0.0007	/	Pass				
			-20	3.91	1.208	0.0007	/	Pass				
			-10	3.91	1.815	0.0010	/	Pass				
			0	3.91	2.379	0.0013	/	Pass				
			10	3.91	1.968	0.0011	/	Pass				
			30	3.91	1.852	0.0010	/	Pass				
			40	3.91	2.083	0.0011	/	Pass				
			50	3.91	1.974	0.0011	/	Pass				
			1880	6	0	20	3.5	1.348	0.0007	/	Pass	
							3.91	1.971	0.0010	/	Pass	
							4.35	2.291	0.0012	/	Pass	
-30	3.91	1.929				0.0010	/	Pass				
-20	3.91	2.045				0.0011	/	Pass				
-10	3.91	1.266				0.0007	/	Pass				
0	3.91	3.040				0.0016	/	Pass				
10	3.91	1.997				0.0011	/	Pass				
30	3.91	1.751				0.0009	/	Pass				
40	3.91	1.398				0.0007	/	Pass				
50	3.91	1.261				0.0007	/	Pass				



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	1909.3	6	0	20	3.5	-0.172	-0.0001	/	Pass
					3.91	0.698	0.0004	/	Pass
					4.35	-0.489	-0.0003	/	Pass
				-30	3.91	0.498	0.0003	/	Pass
				-20	3.91	0.591	0.0003	/	Pass
				-10	3.91	2.310	0.0012	/	Pass
				0	3.91	0.537	0.0003	/	Pass
				10	3.91	0.292	0.0002	/	Pass
				30	3.91	1.599	0.0008	/	Pass
				40	3.91	1.371	0.0007	/	Pass
	50	3.91	0.062	0.0000	/	Pass			



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2.2 B2\_3MHz

2.2.1 Test Result

Band: 2 / 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	3.5	-1.517	-0.0008	/	Pass			
					3.91	-0.398	-0.0002	/	Pass			
					4.35	-0.482	-0.0003	/	Pass			
				-30	3.91	0.066	0.0000	/	Pass			
					-20	3.91	1.025	0.0006	/	Pass		
						-10	3.91	-1.214	-0.0007	/	Pass	
				0	3.91	0.556	0.0003	/	Pass			
				10	3.91	0.313	0.0002	/	Pass			
				30	3.91	-1.043	-0.0006	/	Pass			
				40	3.91	0.083	0.0000	/	Pass			
				50	3.91	1.971	0.0011	/	Pass			
				1880	15	0	20	3.5	-0.697	-0.0004	/	Pass
								3.91	0.880	0.0005	/	Pass
								4.35	0.950	0.0005	/	Pass
							-30	3.91	1.332	0.0007	/	Pass
	-20	3.91	2.005					0.0011	/	Pass		
		-10	3.91					0.225	0.0001	/	Pass	
	0	3.91	0.824				0.0004	/	Pass			
	10	3.91	0.596				0.0003	/	Pass			
	30	3.91	-0.146				-0.0001	/	Pass			
	40	3.91	0.984				0.0005	/	Pass			
	50	3.91	1.418				0.0008	/	Pass			
	1908.5	15	0				20	3.5	-0.728	-0.0004	/	Pass
								3.91	1.410	0.0007	/	Pass
								4.35	-0.451	-0.0002	/	Pass
							-30	3.91	1.295	0.0007	/	Pass
				-20	3.91	0.592		0.0003	/	Pass		
					-10	3.91		-0.734	-0.0004	/	Pass	
				0	3.91	1.547	0.0008	/	Pass			
				10	3.91	-0.704	-0.0004	/	Pass			
30				3.91	0.455	0.0002	/	Pass				
40				3.91	-0.429	-0.0002	/	Pass				
50				3.91	1.477	0.0008	/	Pass				
16QAM				1851.5	15	0	20	3.5	-0.764	-0.0004	/	Pass
								3.91	0.265	0.0001	/	Pass
								4.35	0.181	0.0001	/	Pass
							-30	3.91	-1.323	-0.0007	/	Pass
	-20	3.91	0.884					0.0005	/	Pass		
	-10	3.91	0.272				0.0001	/	Pass			
	0	3.91	1.253				0.0007	/	Pass			



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64QAM	1880	15	0	10	3.91	-1.634	-0.0009	/	Pass			
				30	3.91	-1.872	-0.0010	/	Pass			
				40	3.91	-0.169	-0.0001	/	Pass			
				50	3.91	-0.335	-0.0002	/	Pass			
				20	3.5	0.577	0.0003	/	Pass			
					3.91	0.132	0.0001	/	Pass			
					4.35	0.040	0.0000	/	Pass			
				-30	3.91	1.801	0.0010	/	Pass			
				-20	3.91	1.291	0.0007	/	Pass			
				-10	3.91	1.234	0.0007	/	Pass			
				0	3.91	1.082	0.0006	/	Pass			
				10	3.91	-0.161	-0.0001	/	Pass			
				30	3.91	1.175	0.0006	/	Pass			
				40	3.91	1.484	0.0008	/	Pass			
	50	3.91	2.037	0.0011	/	Pass						
	1908.5	15	0	20	3.5	1.508	0.0008	/	Pass			
					3.91	0.604	0.0003	/	Pass			
					4.35	-0.093	0.0000	/	Pass			
				-30	3.91	1.847	0.0010	/	Pass			
				-20	3.91	1.550	0.0008	/	Pass			
				-10	3.91	1.184	0.0006	/	Pass			
				0	3.91	1.729	0.0009	/	Pass			
				10	3.91	0.783	0.0004	/	Pass			
				30	3.91	0.119	0.0001	/	Pass			
				40	3.91	-0.694	-0.0004	/	Pass			
				50	3.91	-0.349	-0.0002	/	Pass			
				1851.5	15	0	20	3.5	1.108	0.0006	/	Pass
								3.91	0.265	0.0001	/	Pass
4.35								-0.970	-0.0005	/	Pass	
-30	3.91	0.880	0.0005				/	Pass				
-20	3.91	-0.242	-0.0001				/	Pass				
-10	3.91	-0.252	-0.0001				/	Pass				
0	3.91	-1.423	-0.0008				/	Pass				
10	3.91	-0.302	-0.0002				/	Pass				
30	3.91	-0.937	-0.0005				/	Pass				
40	3.91	-0.932	-0.0005				/	Pass				
50	3.91	0.326	0.0002				/	Pass				
1880	15	0	20				3.5	1.578	0.0008	/	Pass	
							3.91	0.317	0.0002	/	Pass	
							4.35	0.656	0.0003	/	Pass	
			-30	3.91	0.851	0.0005	/	Pass				
			-20	3.91	0.377	0.0002	/	Pass				
			-10	3.91	0.261	0.0001	/	Pass				
			0	3.91	0.034	0.0000	/	Pass				
			10	3.91	-1.116	-0.0006	/	Pass				
			30	3.91	0.449	0.0002	/	Pass				
			40	3.91	2.246	0.0012	/	Pass				
			50	3.91	0.197	0.0001	/	Pass				
			1908.5	15	0	20	3.5	0.868	0.0005	/	Pass	
							3.91	1.493	0.0008	/	Pass	



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				4.35	1.940	0.0010	/	Pass
			-30	3.91	1.041	0.0005	/	Pass
			-20	3.91	0.971	0.0005	/	Pass
			-10	3.91	1.450	0.0008	/	Pass
			0	3.91	0.386	0.0002	/	Pass
			10	3.91	-0.802	-0.0004	/	Pass
			30	3.91	0.569	0.0003	/	Pass
			40	3.91	-0.042	0.0000	/	Pass
			50	3.91	-0.136	-0.0001	/	Pass



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2.3 B2\_5MHz

2.3.1 Test Result

Band: 2 / 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	3.5	-1.174	-0.0006	/	Pass	
					3.91	0.167	0.0001	/	Pass	
					4.35	-0.206	-0.0001	/	Pass	
				-30	3.91	0.060	0.0000	/	Pass	
					-20	3.91	0.848	0.0005	/	Pass
						-10	3.91	-0.034	0.0000	/
				0	3.91	0.540	0.0003	/	Pass	
					10	3.91	0.257	0.0001	/	Pass
				30	3.91	0.069	0.0000	/	Pass	
	40	3.91	-1.302	-0.0007	/	Pass				
	50	3.91	1.128	0.0006	/	Pass				
	1880	25	0	20	3.5	-0.429	-0.0002	/	Pass	
					3.91	-2.271	-0.0012	/	Pass	
					4.35	-2.401	-0.0013	/	Pass	
				-30	3.91	-2.869	-0.0015	/	Pass	
					-20	3.91	-0.599	-0.0003	/	Pass
						-10	3.91	-1.249	-0.0007	/
				0	3.91	-0.717	-0.0004	/	Pass	
					10	3.91	-0.887	-0.0005	/	Pass
				30	3.91	-1.650	-0.0009	/	Pass	
	40	3.91	-2.207	-0.0012	/	Pass				
	50	3.91	-0.378	-0.0002	/	Pass				
	1907.5	25	0	20	3.5	0.092	0.0000	/	Pass	
					3.91	0.939	0.0005	/	Pass	
					4.35	0.706	0.0004	/	Pass	
				-30	3.91	1.266	0.0007	/	Pass	
					-20	3.91	-1.033	-0.0005	/	Pass
-10						3.91	1.141	0.0006	/	Pass
0				3.91	1.578	0.0008	/	Pass		
				10	3.91	-0.135	-0.0001	/	Pass	
30				3.91	1.622	0.0009	/	Pass		
40	3.91	1.183	0.0006	/	Pass					
50	3.91	0.256	0.0001	/	Pass					
16QAM	1852.5	25	0	20	3.5	-0.149	-0.0001	/	Pass	
					3.91	0.827	0.0004	/	Pass	
					4.35	1.526	0.0008	/	Pass	
				-30	3.91	-0.014	0.0000	/	Pass	
					-20	3.91	0.024	0.0000	/	Pass
				-10	3.91	1.094	0.0006	/	Pass	
0	3.91	0.209	0.0001	/	Pass					



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64QAM	1880	25	0	10	3.91	-0.220	-0.0001	/	Pass			
				30	3.91	0.220	0.0001	/	Pass			
				40	3.91	-0.140	-0.0001	/	Pass			
				50	3.91	0.264	0.0001	/	Pass			
				20	3.5	-1.509	-0.0008	/	Pass			
					3.91	-2.003	-0.0011	/	Pass			
					4.35	-1.525	-0.0008	/	Pass			
				-30	3.91	-2.051	-0.0011	/	Pass			
				-20	3.91	-0.802	-0.0004	/	Pass			
				-10	3.91	-0.286	-0.0002	/	Pass			
				0	3.91	-2.518	-0.0013	/	Pass			
				10	3.91	-0.192	-0.0001	/	Pass			
				30	3.91	-1.569	-0.0008	/	Pass			
				40	3.91	-1.320	-0.0007	/	Pass			
	50	3.91	-0.764	-0.0004	/	Pass						
	1907.5	25	0	20	3.5	-0.441	-0.0002	/	Pass			
					3.91	0.528	0.0003	/	Pass			
					4.35	-0.442	-0.0002	/	Pass			
				-30	3.91	-0.604	-0.0003	/	Pass			
				-20	3.91	0.620	0.0003	/	Pass			
				-10	3.91	1.264	0.0007	/	Pass			
				0	3.91	0.804	0.0004	/	Pass			
				10	3.91	2.408	0.0013	/	Pass			
				30	3.91	1.193	0.0006	/	Pass			
				40	3.91	1.204	0.0006	/	Pass			
				50	3.91	1.632	0.0009	/	Pass			
				1852.5	25	0	20	3.5	1.453	0.0008	/	Pass
								3.91	0.840	0.0005	/	Pass
4.35								-1.310	-0.0007	/	Pass	
-30	3.91	0.714	0.0004				/	Pass				
-20	3.91	0.597	0.0003				/	Pass				
-10	3.91	1.588	0.0009				/	Pass				
0	3.91	0.478	0.0003				/	Pass				
10	3.91	0.453	0.0002				/	Pass				
30	3.91	0.747	0.0004				/	Pass				
40	3.91	0.042	0.0000				/	Pass				
50	3.91	0.276	0.0001				/	Pass				
1880	25	0	20				3.5	-1.750	-0.0009	/	Pass	
							3.91	-0.022	0.0000	/	Pass	
							4.35	0.933	0.0005	/	Pass	
			-30	3.91	-0.336	-0.0002	/	Pass				
			-20	3.91	-1.877	-0.0010	/	Pass				
			-10	3.91	0.406	0.0002	/	Pass				
			0	3.91	-1.178	-0.0006	/	Pass				
			10	3.91	-0.144	-0.0001	/	Pass				
			30	3.91	0.706	0.0004	/	Pass				
			40	3.91	-0.903	-0.0005	/	Pass				
			50	3.91	-1.137	-0.0006	/	Pass				
			1907.5	25	0	20	3.5	1.193	0.0006	/	Pass	
							3.91	0.566	0.0003	/	Pass	



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				4.35	-0.246	-0.0001	/	Pass
			-30	3.91	1.346	0.0007	/	Pass
			-20	3.91	1.493	0.0008	/	Pass
			-10	3.91	1.275	0.0007	/	Pass
			0	3.91	0.802	0.0004	/	Pass
			10	3.91	1.308	0.0007	/	Pass
			30	3.91	1.346	0.0007	/	Pass
			40	3.91	1.482	0.0008	/	Pass
			50	3.91	0.668	0.0004	/	Pass



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2.4 B2\_10MHz

2.4.1 Test Result

Band: 2 / 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	3.5	-0.222	-0.0001	/	Pass	
					3.91	-0.745	-0.0004	/	Pass	
					4.35	0.823	0.0004	/	Pass	
				-30	3.91	-0.712	-0.0004	/	Pass	
					-20	3.91	0.455	0.0002	/	Pass
						-10	3.91	-0.287	-0.0002	/
				0	3.91	0.796	0.0004	/	Pass	
					10	3.91	1.290	0.0007	/	Pass
				30	3.91	-0.957	-0.0005	/	Pass	
	40	3.91	-1.412	-0.0008	/	Pass				
	50	3.91	-0.517	-0.0003	/	Pass				
	1880	50	0	20	3.5	0.549	0.0003	/	Pass	
					3.91	-1.615	-0.0009	/	Pass	
					4.35	-2.022	-0.0011	/	Pass	
				-30	3.91	-0.766	-0.0004	/	Pass	
					-20	3.91	-0.281	-0.0001	/	Pass
						-10	3.91	-1.023	-0.0005	/
				0	3.91	0.681	0.0004	/	Pass	
					10	3.91	-0.130	-0.0001	/	Pass
				30	3.91	-0.848	-0.0005	/	Pass	
	40	3.91	-0.473	-0.0003	/	Pass				
	50	3.91	-0.694	-0.0004	/	Pass				
	1905	50	0	20	3.5	-1.181	-0.0006	/	Pass	
					3.91	-1.588	-0.0008	/	Pass	
					4.35	-0.357	-0.0002	/	Pass	
				-30	3.91	-0.857	-0.0004	/	Pass	
					-20	3.91	-0.369	-0.0002	/	Pass
-10						3.91	-1.052	-0.0006	/	Pass
0				3.91	-1.521	-0.0008	/	Pass		
				10	3.91	-2.173	-0.0011	/	Pass	
30				3.91	0.491	0.0003	/	Pass		
40	3.91	-1.608	-0.0008	/	Pass					
50	3.91	-1.588	-0.0008	/	Pass					
16QAM	1855	50	0	20	3.5	0.869	0.0005	/	Pass	
					3.91	0.734	0.0004	/	Pass	
					4.35	-0.097	-0.0001	/	Pass	
				-30	3.91	-0.166	-0.0001	/	Pass	
					-20	3.91	-0.893	-0.0005	/	Pass
				-10	3.91	-0.519	-0.0003	/	Pass	
0	3.91	0.356	0.0002	/	Pass					



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64QAM	1880	50	0	10	3.91	-0.397	-0.0002	/	Pass			
				30	3.91	-0.977	-0.0005	/	Pass			
				40	3.91	2.233	0.0012	/	Pass			
				50	3.91	1.868	0.0010	/	Pass			
				20	3.5	-0.502	-0.0003	/	Pass			
					3.91	-1.371	-0.0007	/	Pass			
					4.35	-1.435	-0.0008	/	Pass			
				-30	3.91	1.428	0.0008	/	Pass			
				-20	3.91	-1.035	-0.0006	/	Pass			
				-10	3.91	0.098	0.0001	/	Pass			
				0	3.91	0.715	0.0004	/	Pass			
				10	3.91	-1.702	-0.0009	/	Pass			
				30	3.91	-1.243	-0.0007	/	Pass			
				40	3.91	-1.633	-0.0009	/	Pass			
	50	3.91	-1.183	-0.0006	/	Pass						
	1905	50	0	20	3.5	-0.958	-0.0005	/	Pass			
					3.91	-1.563	-0.0008	/	Pass			
					4.35	-0.857	-0.0004	/	Pass			
				-30	3.91	-1.185	-0.0006	/	Pass			
				-20	3.91	-2.432	-0.0013	/	Pass			
				-10	3.91	-2.148	-0.0011	/	Pass			
				0	3.91	0.336	0.0002	/	Pass			
				10	3.91	-0.892	-0.0005	/	Pass			
				30	3.91	-1.234	-0.0006	/	Pass			
				40	3.91	-0.876	-0.0005	/	Pass			
				50	3.91	-0.349	-0.0002	/	Pass			
				1855	50	0	20	3.5	0.530	0.0003	/	Pass
								3.91	-0.504	-0.0003	/	Pass
4.35								0.013	0.0000	/	Pass	
-30	3.91	-2.673	-0.0014				/	Pass				
-20	3.91	0.027	0.0000				/	Pass				
-10	3.91	-0.170	-0.0001				/	Pass				
0	3.91	-0.069	0.0000				/	Pass				
10	3.91	0.095	0.0001				/	Pass				
30	3.91	-0.340	-0.0002				/	Pass				
40	3.91	0.987	0.0005				/	Pass				
50	3.91	1.356	0.0007				/	Pass				
1880	50	0	20				3.5	-0.516	-0.0003	/	Pass	
							3.91	-0.540	-0.0003	/	Pass	
							4.35	-0.624	-0.0003	/	Pass	
			-30		3.91	-0.622	-0.0003	/	Pass			
			-20		3.91	-2.175	-0.0012	/	Pass			
			-10		3.91	-0.477	-0.0003	/	Pass			
			0		3.91	-1.104	-0.0006	/	Pass			
			10		3.91	-0.139	-0.0001	/	Pass			
			30		3.91	-0.025	0.0000	/	Pass			
			40		3.91	0.162	0.0001	/	Pass			
			50		3.91	1.101	0.0006	/	Pass			
			1905		50	0	20	3.5	-0.095	0.0000	/	Pass
								3.91	-1.826	-0.0010	/	Pass



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				4.35	0.115	0.0001	/	Pass
			-30	3.91	-0.555	-0.0003	/	Pass
			-20	3.91	-1.481	-0.0008	/	Pass
			-10	3.91	0.519	0.0003	/	Pass
			0	3.91	-0.293	-0.0002	/	Pass
			10	3.91	-1.333	-0.0007	/	Pass
			30	3.91	-0.202	-0.0001	/	Pass
			40	3.91	-0.671	-0.0004	/	Pass
			50	3.91	0.432	0.0002	/	Pass



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2.5 B2\_15MHz

2.5.1 Test Result

Band: 2 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1857.5	75	0	20	3.5	-0.880	-0.0005	/	Pass	
					3.91	0.176	0.0001	/	Pass	
					4.35	0.080	0.0000	/	Pass	
				-30	3.91	-0.307	-0.0002	/	Pass	
					-20	3.91	-0.723	-0.0004	/	Pass
						-10	3.91	0.050	0.0000	/
				0	3.91	-0.885	-0.0005	/	Pass	
					10	3.91	-0.394	-0.0002	/	Pass
				30	3.91	-0.218	-0.0001	/	Pass	
	1880	75	0	20	3.5	-2.400	-0.0013	/	Pass	
					3.91	-1.122	-0.0006	/	Pass	
					4.35	-1.473	-0.0008	/	Pass	
				-30	3.91	-3.098	-0.0016	/	Pass	
					-20	3.91	-1.123	-0.0006	/	Pass
						-10	3.91	-1.414	-0.0008	/
				0	3.91	-0.841	-0.0004	/	Pass	
					10	3.91	-2.840	-0.0015	/	Pass
				30	3.91	-0.059	0.0000	/	Pass	
	40	3.91	-1.469	-0.0008	/	Pass				
	50	3.91	-2.201	-0.0012	/	Pass				
	1902.5	75	0	20	3.5	-1.867	-0.0010	/	Pass	
					3.91	-1.329	-0.0007	/	Pass	
					4.35	-0.650	-0.0003	/	Pass	
				-30	3.91	-1.422	-0.0007	/	Pass	
					-20	3.91	0.593	0.0003	/	Pass
						-10	3.91	-1.387	-0.0007	/
				0	3.91	-1.854	-0.0010	/	Pass	
10					3.91	-0.798	-0.0004	/	Pass	
30				3.91	-1.058	-0.0006	/	Pass		
40	3.91	-3.383	-0.0018	/	Pass					
50	3.91	-3.046	-0.0016	/	Pass					
16QAM	1857.5	75	0	20	3.5	-0.889	-0.0005	/	Pass	
					3.91	-0.326	-0.0002	/	Pass	
					4.35	-0.059	0.0000	/	Pass	
				-30	3.91	-2.033	-0.0011	/	Pass	
					-20	3.91	-1.741	-0.0009	/	Pass
				-10	3.91	-1.188	-0.0006	/	Pass	
0	3.91	-2.121	-0.0011	/	Pass					



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64QAM	1880	75	0	10	3.91	1.175	0.0006	/	Pass		
				30	3.91	0.838	0.0005	/	Pass		
				40	3.91	0.418	0.0002	/	Pass		
				50	3.91	0.041	0.0000	/	Pass		
				20	3.5	-1.410	-0.0007	/	Pass		
					3.91	-0.356	-0.0002	/	Pass		
					4.35	-1.062	-0.0006	/	Pass		
				-30	3.91	-0.995	-0.0005	/	Pass		
				-20	3.91	-0.420	-0.0002	/	Pass		
				-10	3.91	-0.563	-0.0003	/	Pass		
				0	3.91	-1.389	-0.0007	/	Pass		
				10	3.91	-1.434	-0.0008	/	Pass		
	30	3.91	-0.804	-0.0004	/	Pass					
	40	3.91	-1.500	-0.0008	/	Pass					
	50	3.91	-0.243	-0.0001	/	Pass					
	1902.5	75	0	20	3.5	-1.820	-0.0010	/	Pass		
					3.91	-2.137	-0.0011	/	Pass		
					4.35	-0.519	-0.0003	/	Pass		
				-30	3.91	-2.602	-0.0014	/	Pass		
				-20	3.91	-0.693	-0.0004	/	Pass		
				-10	3.91	-0.905	-0.0005	/	Pass		
				0	3.91	-0.860	-0.0005	/	Pass		
				10	3.91	-1.552	-0.0008	/	Pass		
				30	3.91	-2.522	-0.0013	/	Pass		
				40	3.91	-0.073	0.0000	/	Pass		
				50	3.91	-0.704	-0.0004	/	Pass		
				1857.5	75	0	20	3.5	-0.301	-0.0002	/
	3.91	-2.077	-0.0011					/	Pass		
4.35	-1.717	-0.0009	/					Pass			
-30	3.91	-0.046	0.0000				/	Pass			
-20	3.91	-1.289	-0.0007				/	Pass			
-10	3.91	-0.426	-0.0002				/	Pass			
0	3.91	-0.297	-0.0002				/	Pass			
10	3.91	-0.486	-0.0003				/	Pass			
30	3.91	-2.848	-0.0015				/	Pass			
40	3.91	-1.742	-0.0009				/	Pass			
50	3.91	-1.032	-0.0006				/	Pass			
1880	75	0	20				3.5	-0.179	-0.0001	/	Pass
							3.91	-1.643	-0.0009	/	Pass
							4.35	-1.020	-0.0005	/	Pass
			-30				3.91	0.458	0.0002	/	Pass
			-20				3.91	-2.978	-0.0016	/	Pass
			-10				3.91	-2.219	-0.0012	/	Pass
			0				3.91	-1.003	-0.0005	/	Pass
			10				3.91	0.000	0.0000	/	Pass
			30				3.91	-0.524	-0.0003	/	Pass
			40	3.91	-1.424	-0.0008	/	Pass			
			50	3.91	-1.617	-0.0009	/	Pass			
			1902.5	75	0	20	3.5	-2.634	-0.0014	/	Pass
3.91	-3.109	-0.0016					/	Pass			



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				4.35	-2.100	-0.0011	/	Pass
			-30	3.91	-1.532	-0.0008	/	Pass
			-20	3.91	-1.843	-0.0010	/	Pass
			-10	3.91	-2.233	-0.0012	/	Pass
			0	3.91	-2.486	-0.0013	/	Pass
			10	3.91	-1.991	-0.0010	/	Pass
			30	3.91	-2.532	-0.0013	/	Pass
			40	3.91	-1.626	-0.0009	/	Pass
			50	3.91	-3.071	-0.0016	/	Pass



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2.6 B2\_20MHz

2.6.1 Test Result

Band: 2 / 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	3.5	0.252	0.0001	/	Pass	
					3.91	0.496	0.0003	/	Pass	
					4.35	-1.594	-0.0009	/	Pass	
				-30	3.91	-0.632	-0.0003	/	Pass	
					-20	3.91	-0.597	-0.0003	/	Pass
						-10	3.91	-1.238	-0.0007	/
				0	3.91	-1.461	-0.0008	/	Pass	
					10	3.91	-0.593	-0.0003	/	Pass
				30	3.91	-1.411	-0.0008	/	Pass	
	40	3.91	0.302	0.0002	/	Pass				
	50	3.91	-1.121	-0.0006	/	Pass				
	1880	100	0	20	3.5	-2.244	-0.0012	/	Pass	
					3.91	-0.160	-0.0001	/	Pass	
					4.35	-0.137	-0.0001	/	Pass	
				-30	3.91	-1.721	-0.0009	/	Pass	
					-20	3.91	-0.082	0.0000	/	Pass
						-10	3.91	-2.013	-0.0011	/
				0	3.91	-2.059	-0.0011	/	Pass	
					10	3.91	0.568	0.0003	/	Pass
				30	3.91	0.213	0.0001	/	Pass	
	40	3.91	0.252	0.0001	/	Pass				
	50	3.91	-1.672	-0.0009	/	Pass				
	1900	100	0	20	3.5	-0.866	-0.0005	/	Pass	
					3.91	-0.105	-0.0001	/	Pass	
					4.35	-1.125	-0.0006	/	Pass	
				-30	3.91	0.497	0.0003	/	Pass	
					-20	3.91	-1.144	-0.0006	/	Pass
-10						3.91	-1.951	-0.0010	/	Pass
0				3.91	-1.462	-0.0008	/	Pass		
				10	3.91	-2.059	-0.0011	/	Pass	
30				3.91	-1.518	-0.0008	/	Pass		
40	3.91	-0.316	-0.0002	/	Pass					
50	3.91	-2.564	-0.0013	/	Pass					
16QAM	1860	100	0	20	3.5	-1.672	-0.0009	/	Pass	
					3.91	-0.607	-0.0003	/	Pass	
					4.35	-0.254	-0.0001	/	Pass	
				-30	3.91	-0.610	-0.0003	/	Pass	
					-20	3.91	-0.245	-0.0001	/	Pass
				-10	3.91	-1.175	-0.0006	/	Pass	
0	3.91	-0.879	-0.0005	/	Pass					



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64QAM	1880	100	0	10	3.91	0.133	0.0001	/	Pass			
				30	3.91	-0.558	-0.0003	/	Pass			
				40	3.91	-1.324	-0.0007	/	Pass			
				50	3.91	-0.610	-0.0003	/	Pass			
				20	3.5	-0.409	-0.0002	/	Pass			
					3.91	-0.474	-0.0003	/	Pass			
					4.35	-1.752	-0.0009	/	Pass			
				-30	3.91	-1.704	-0.0009	/	Pass			
				-20	3.91	0.452	0.0002	/	Pass			
				-10	3.91	-0.893	-0.0005	/	Pass			
				0	3.91	-0.169	-0.0001	/	Pass			
				10	3.91	-0.494	-0.0003	/	Pass			
				30	3.91	0.576	0.0003	/	Pass			
				40	3.91	-1.337	-0.0007	/	Pass			
	50	3.91	-1.348	-0.0007	/	Pass						
	1900	100	0	20	3.5	0.401	0.0002	/	Pass			
					3.91	-1.202	-0.0006	/	Pass			
					4.35	-1.011	-0.0005	/	Pass			
				-30	3.91	-2.333	-0.0012	/	Pass			
				-20	3.91	-2.445	-0.0013	/	Pass			
				-10	3.91	0.481	0.0003	/	Pass			
				0	3.91	1.044	0.0005	/	Pass			
				10	3.91	-2.185	-0.0012	/	Pass			
				30	3.91	0.216	0.0001	/	Pass			
				40	3.91	-0.378	-0.0002	/	Pass			
				50	3.91	-0.402	-0.0002	/	Pass			
				1860	100	0	20	3.5	-0.387	-0.0002	/	Pass
								3.91	-0.204	-0.0001	/	Pass
4.35								-1.539	-0.0008	/	Pass	
-30	3.91	-1.557	-0.0008				/	Pass				
-20	3.91	-1.385	-0.0007				/	Pass				
-10	3.91	-0.841	-0.0005				/	Pass				
0	3.91	0.432	0.0002				/	Pass				
10	3.91	-2.734	-0.0015				/	Pass				
30	3.91	-2.532	-0.0014				/	Pass				
40	3.91	-0.975	-0.0005				/	Pass				
50	3.91	-1.811	-0.0010				/	Pass				
1880	100	0	20				3.5	-1.975	-0.0011	/	Pass	
							3.91	-0.770	-0.0004	/	Pass	
							4.35	0.289	0.0002	/	Pass	
			-30	3.91	-0.419	-0.0002	/	Pass				
			-20	3.91	-1.422	-0.0008	/	Pass				
			-10	3.91	-0.284	-0.0002	/	Pass				
			0	3.91	-1.015	-0.0005	/	Pass				
			10	3.91	-0.479	-0.0003	/	Pass				
			30	3.91	-0.160	-0.0001	/	Pass				
			40	3.91	0.280	0.0001	/	Pass				
			50	3.91	-1.253	-0.0007	/	Pass				
			1900	100	0	20	3.5	-0.982	-0.0005	/	Pass	
							3.91	0.343	0.0002	/	Pass	



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				4.35	-0.357	-0.0002	/	Pass
				-30	3.91	-0.551	-0.0003	Pass
				-20	3.91	1.333	0.0007	Pass
				-10	3.91	-1.197	-0.0006	Pass
				0	3.91	0.400	0.0002	Pass
				10	3.91	-0.126	-0.0001	Pass
				30	3.91	-0.738	-0.0004	Pass
				40	3.91	-1.321	-0.0007	Pass
				50	3.91	-1.388	-0.0007	Pass



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### 3. 99% & 26dB Bandwidth

#### 3.1 Band2\_OBW

##### 3.1.1 Test Result

Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.125	/	Pass
		1880	6	0	1.121	/	Pass
		1909.3	6	0	1.125	/	Pass
	16QAM	1850.7	6	0	1.122	/	Pass
		1880	6	0	1.131	/	Pass
		1909.3	6	0	1.122	/	Pass
	64QAM	1850.7	6	0	1.127	/	Pass
		1880	6	0	1.130	/	Pass
		1909.3	6	0	1.120	/	Pass
3	QPSK	1851.5	15	0	2.743	/	Pass
		1880	15	0	2.748	/	Pass
		1908.5	15	0	2.758	/	Pass
	16QAM	1851.5	15	0	2.747	/	Pass
		1880	15	0	2.757	/	Pass
		1908.5	15	0	2.756	/	Pass
	64QAM	1851.5	15	0	2.754	/	Pass
		1880	15	0	2.756	/	Pass
		1908.5	15	0	2.753	/	Pass
5	QPSK	1852.5	25	0	4.580	/	Pass
		1880	25	0	4.578	/	Pass
		1907.5	25	0	4.579	/	Pass
	16QAM	1852.5	25	0	4.578	/	Pass
		1880	25	0	4.585	/	Pass
		1907.5	25	0	4.577	/	Pass
	64QAM	1852.5	25	0	4.575	/	Pass
		1880	25	0	4.571	/	Pass
		1907.5	25	0	4.551	/	Pass
10	QPSK	1855	50	0	9.118	/	Pass
		1880	50	0	9.095	/	Pass
		1905	50	0	9.095	/	Pass
	16QAM	1855	50	0	9.098	/	Pass
		1880	50	0	9.102	/	Pass
		1905	50	0	9.074	/	Pass
	64QAM	1855	50	0	9.086	/	Pass
		1880	50	0	9.090	/	Pass
		1905	50	0	9.106	/	Pass
15	QPSK	1857.5	75	0	13.676	/	Pass
		1880	75	0	13.615	/	Pass



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Report No.: SEWM2311000454RG01

Rev.: 01

Page: 33 of 368

	16QAM	1902.5	75	0	13.587	/	Pass	
		1857.5	75	0	13.673	/	Pass	
		1880	75	0	13.658	/	Pass	
	64QAM	1902.5	75	0	13.607	/	Pass	
		1857.5	75	0	13.654	/	Pass	
		1880	75	0	13.601	/	Pass	
	20	QPSK	1902.5	75	0	13.542	/	Pass
			1860	100	0	18.179	/	Pass
			1880	100	0	18.130	/	Pass
16QAM		1900	100	0	18.109	/	Pass	
		1860	100	0	18.187	/	Pass	
		1880	100	0	18.143	/	Pass	
64QAM		1900	100	0	18.077	/	Pass	
		1860	100	0	18.157	/	Pass	
		1880	100	0	18.141	/	Pass	
		1900	100	0	18.027	/	Pass	



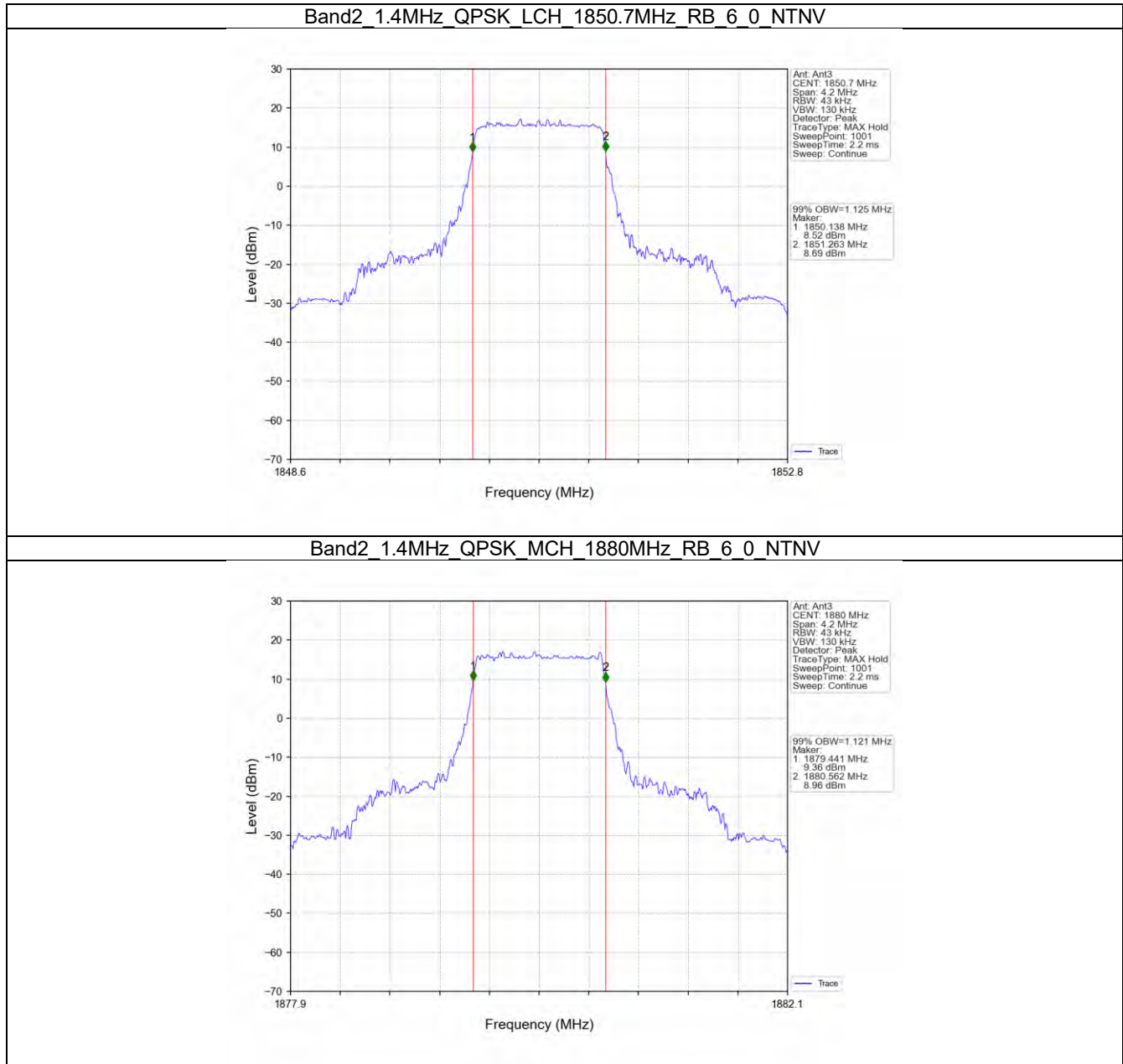
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3.1.2 Test Graph

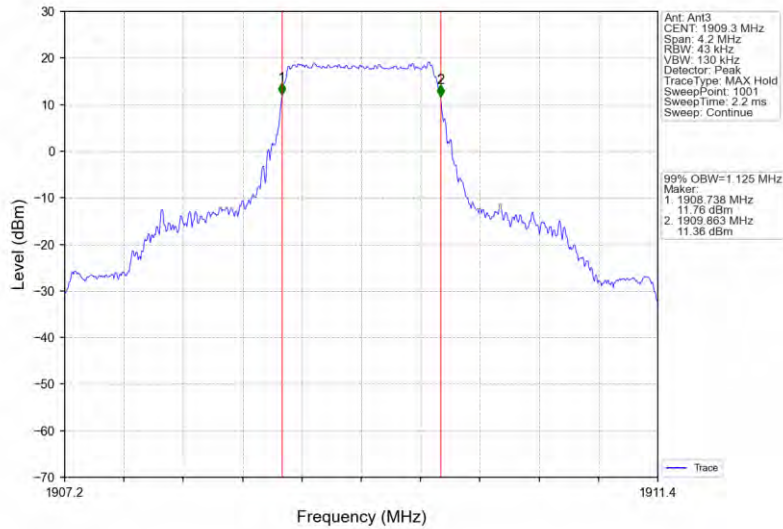


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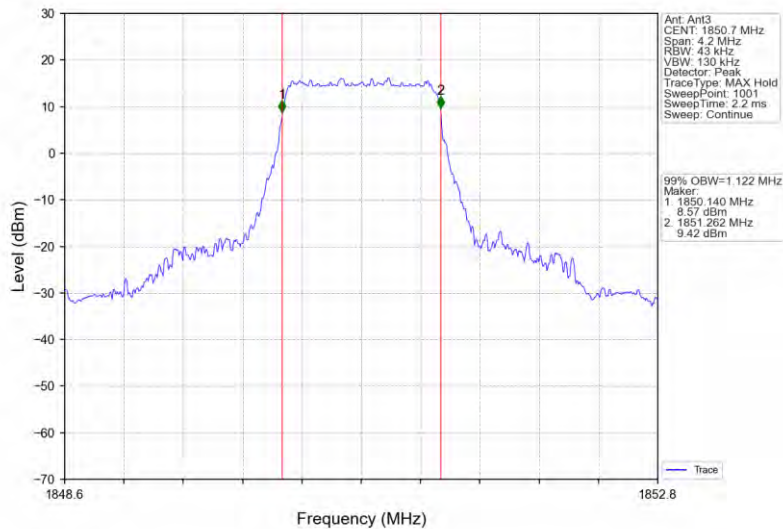
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Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

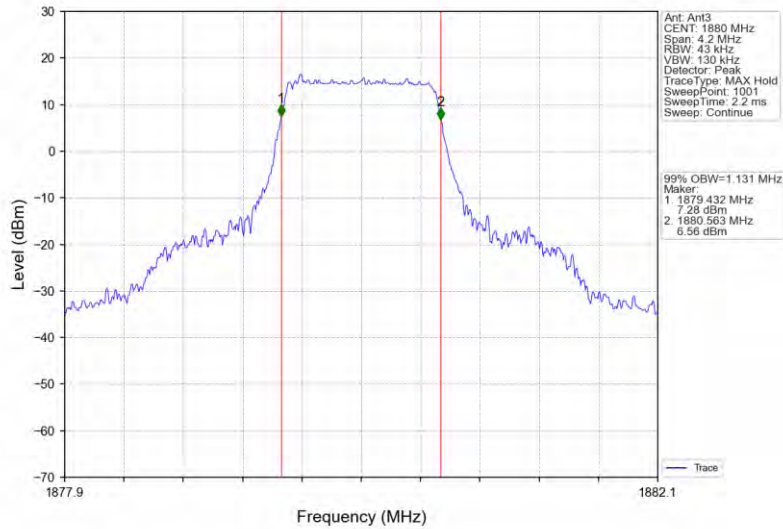


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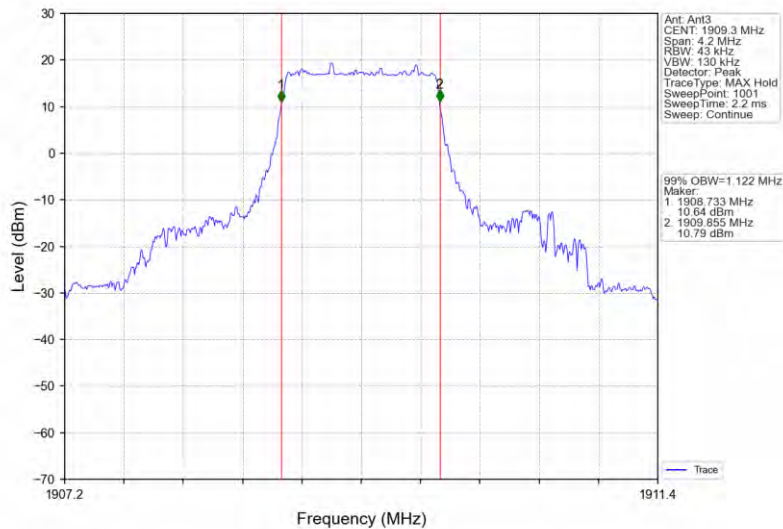
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Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



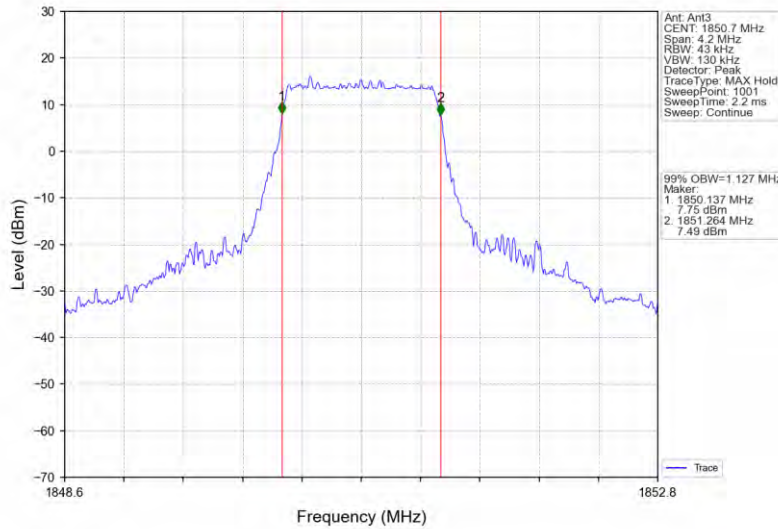
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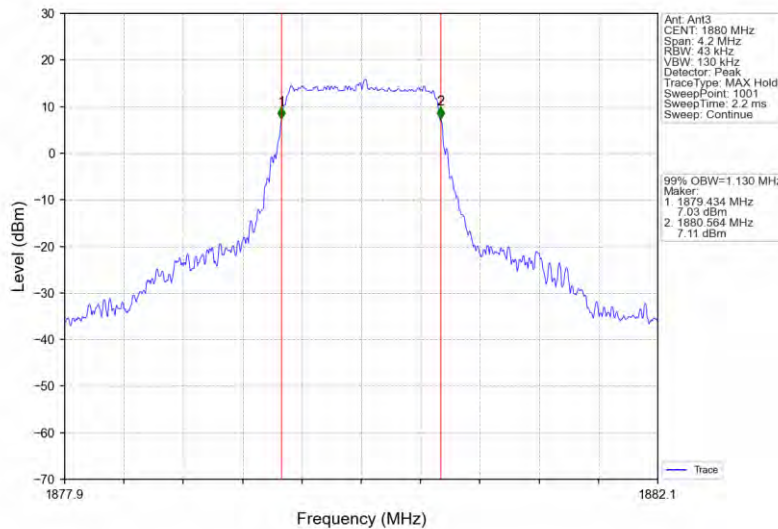
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Band2\_1.4MHz\_64QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



Band2\_1.4MHz\_64QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV

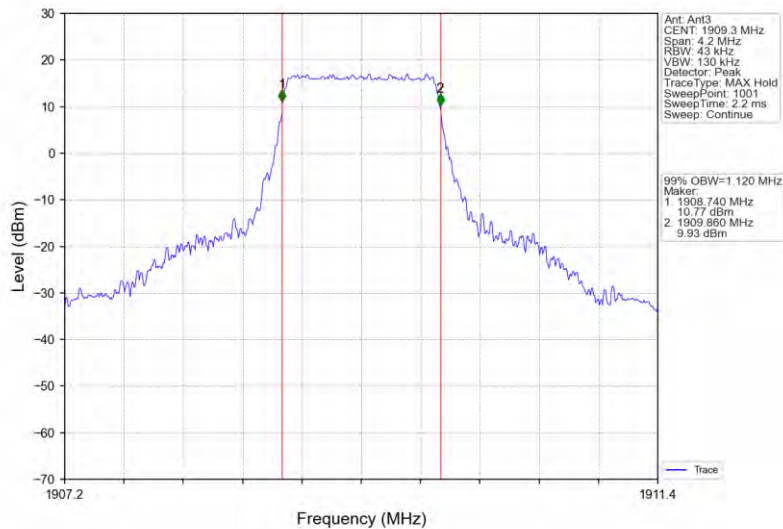


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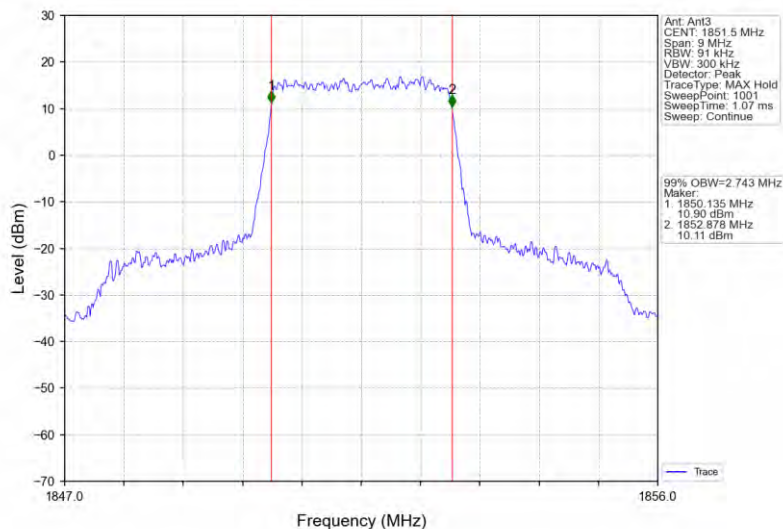
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Band2\_1.4MHz\_64QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



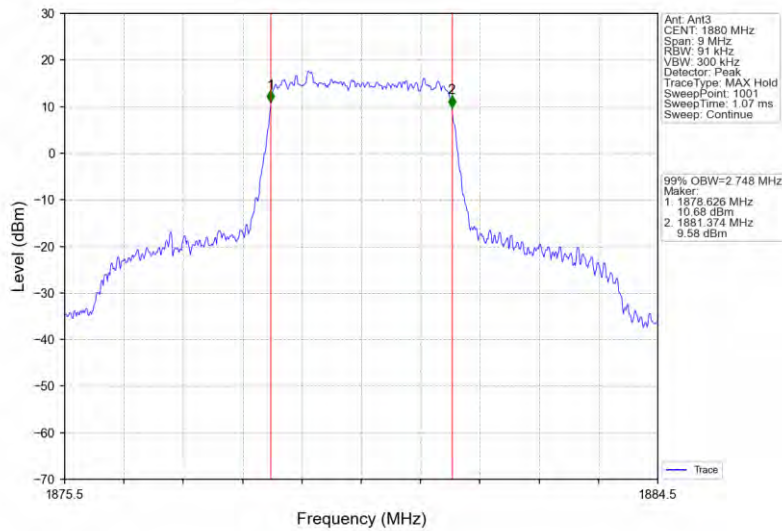
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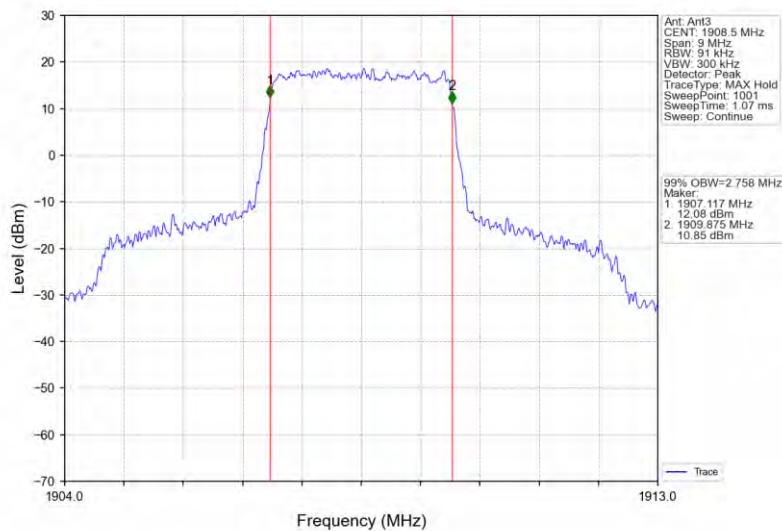
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Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV

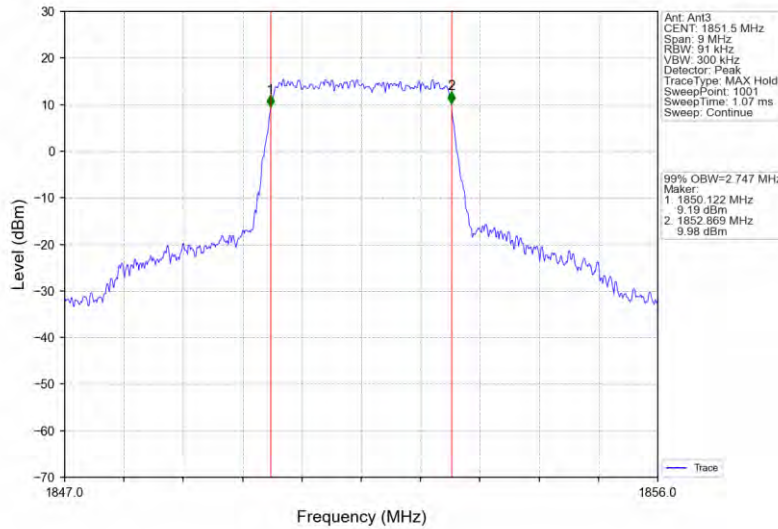


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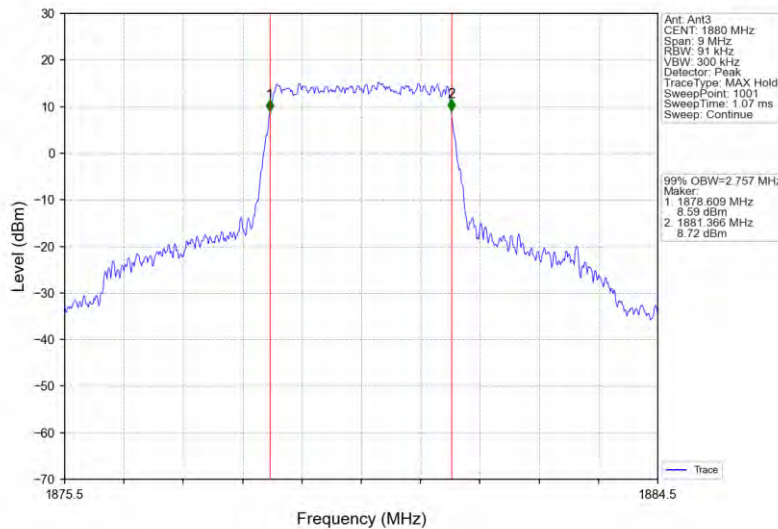
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Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV

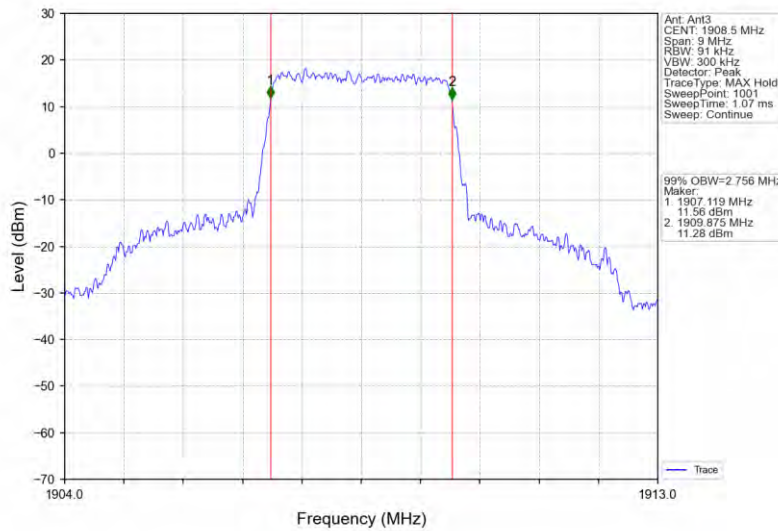


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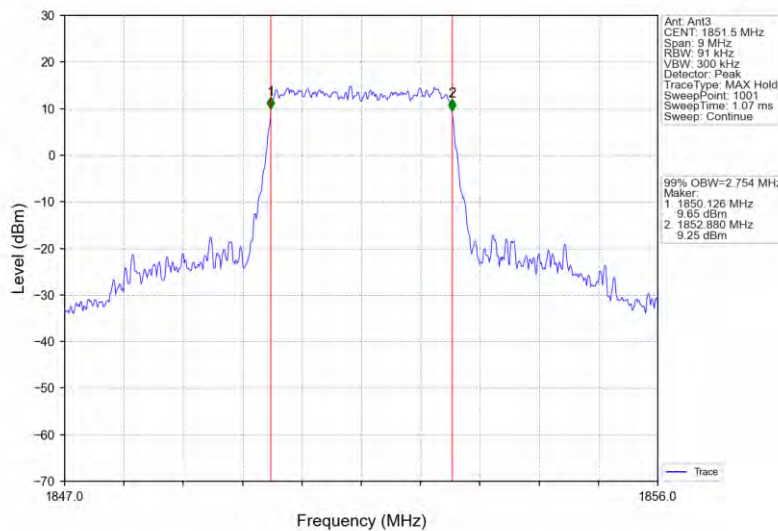
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Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



Band2\_3MHz\_64QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



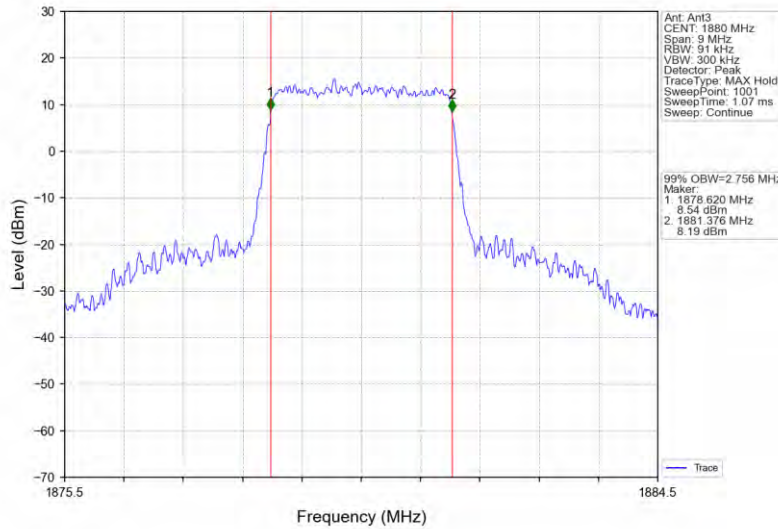
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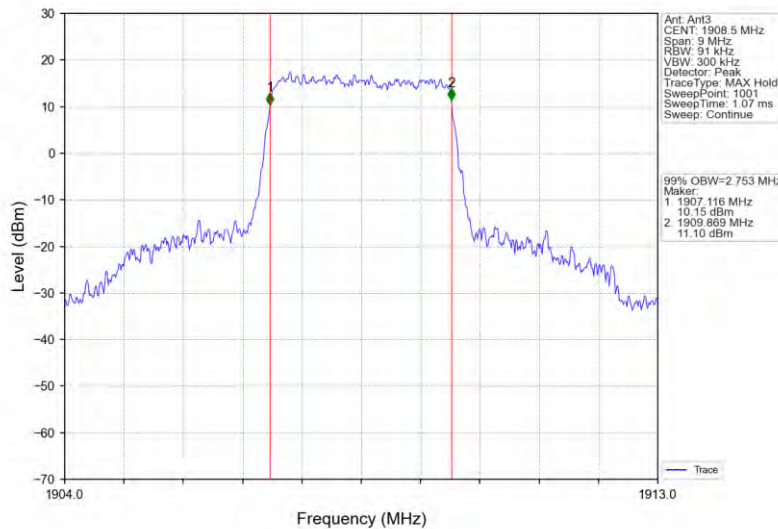
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Band2 3MHz 64QAM MCH 1880MHz RB 15 0 NTV



Band2 3MHz 64QAM HCH 1908.5MHz RB 15 0 NTV

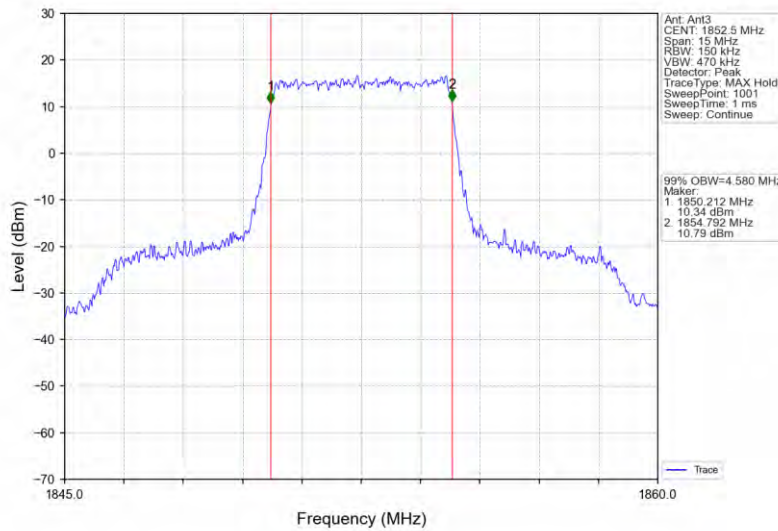


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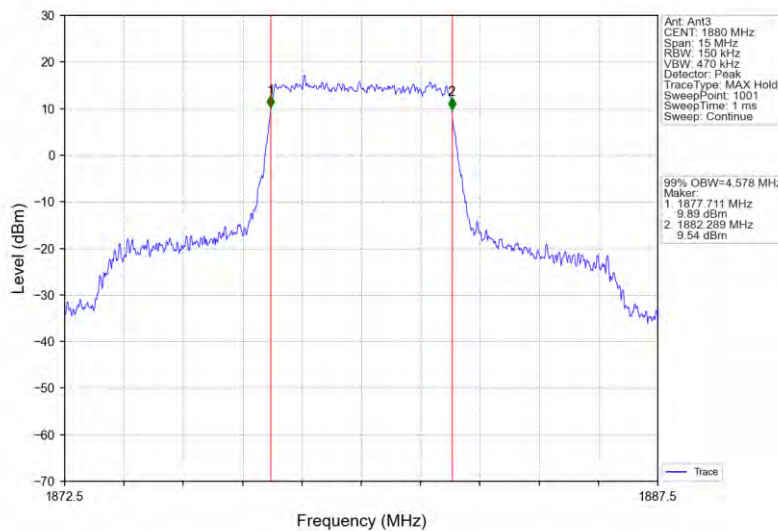
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Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV



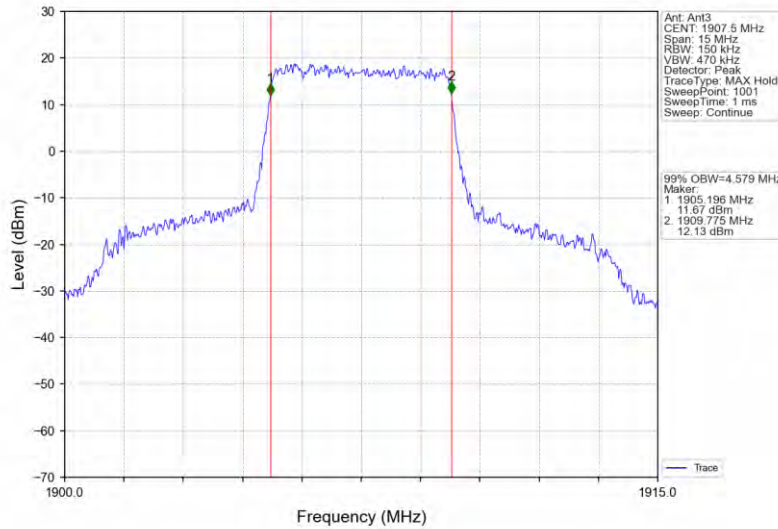
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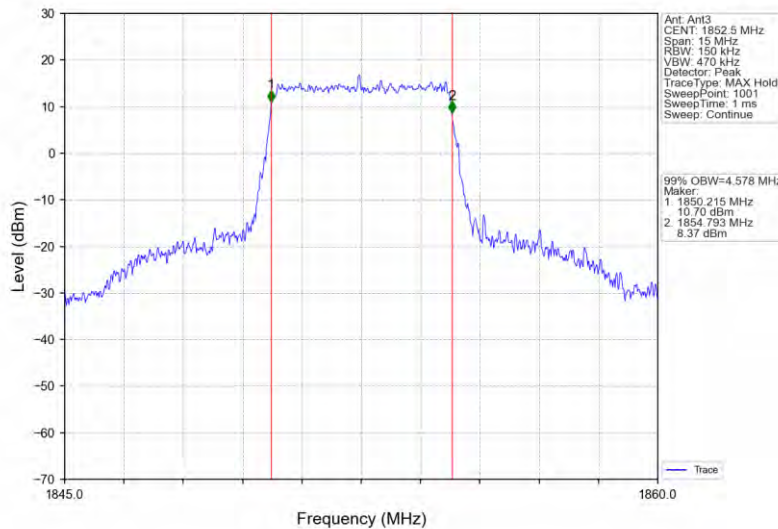
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Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV

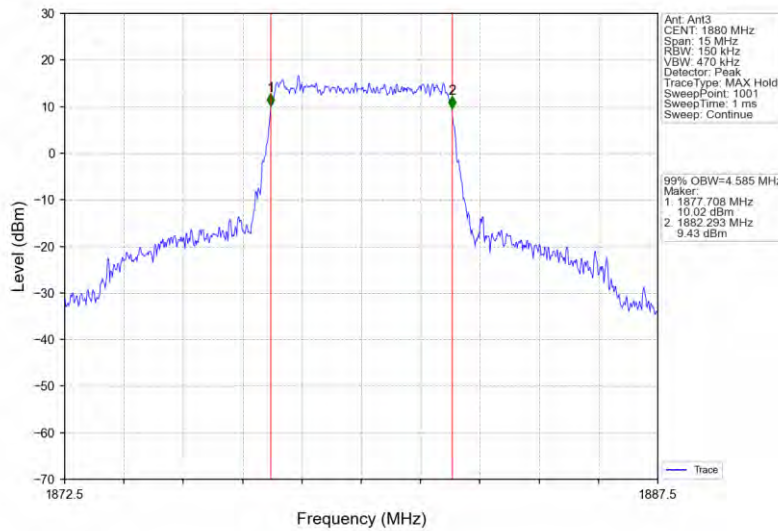


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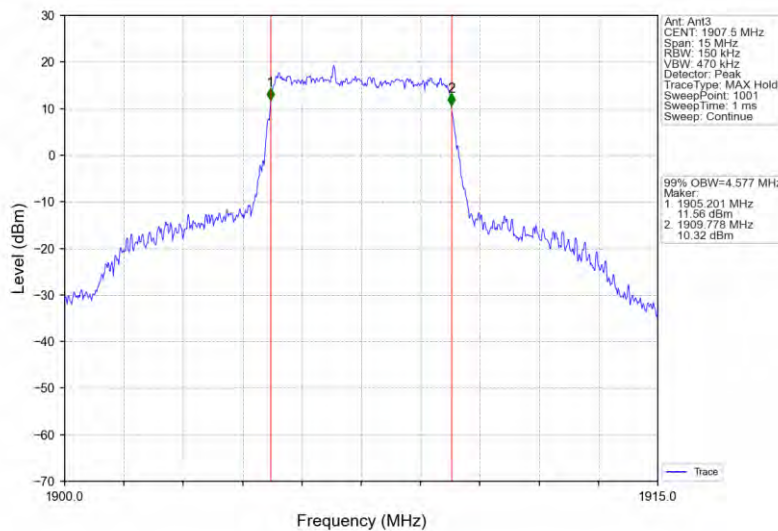
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Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV

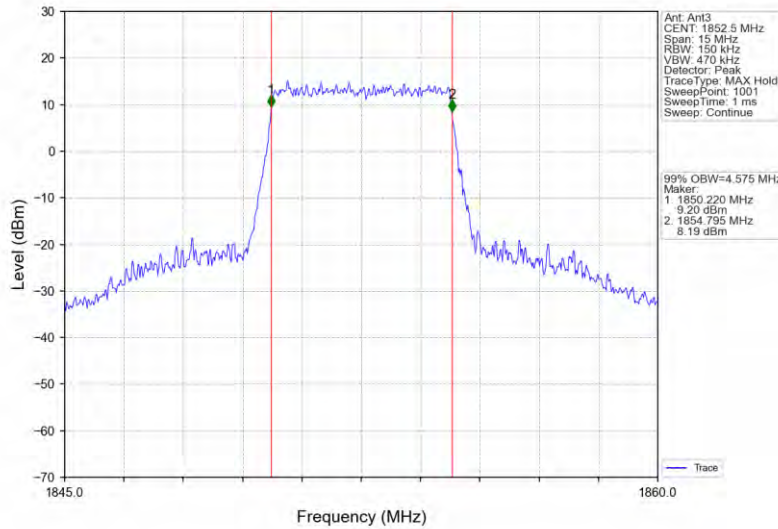


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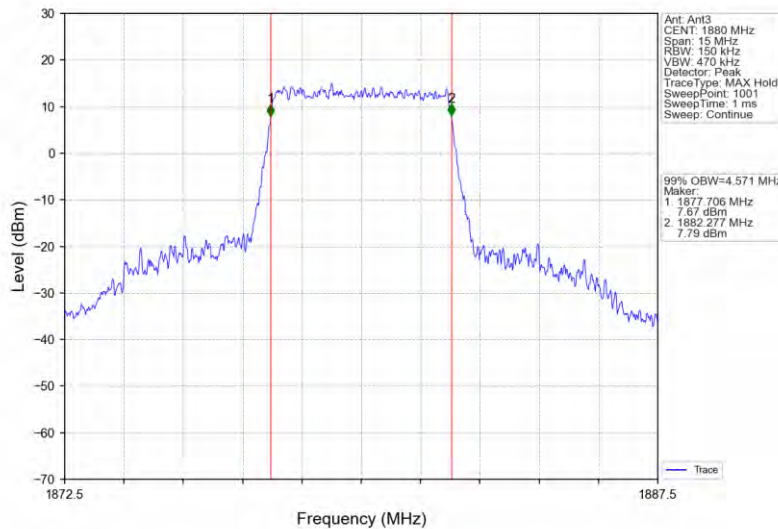
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Band2\_5MHz\_64QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



Band2\_5MHz\_64QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



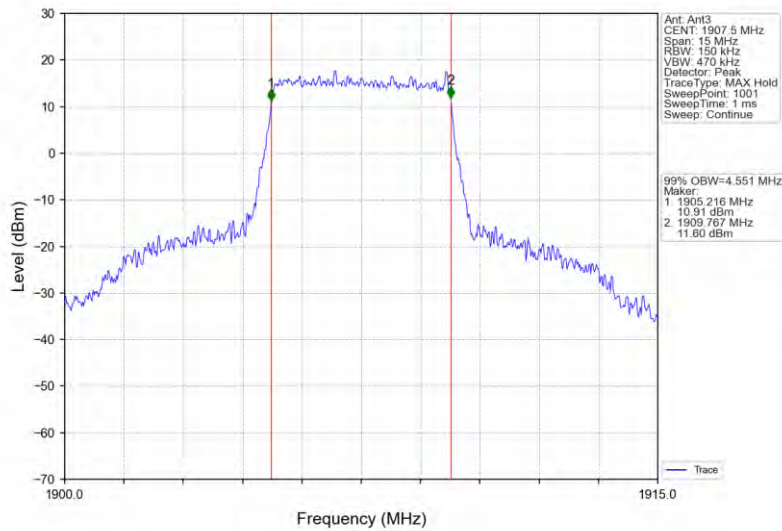
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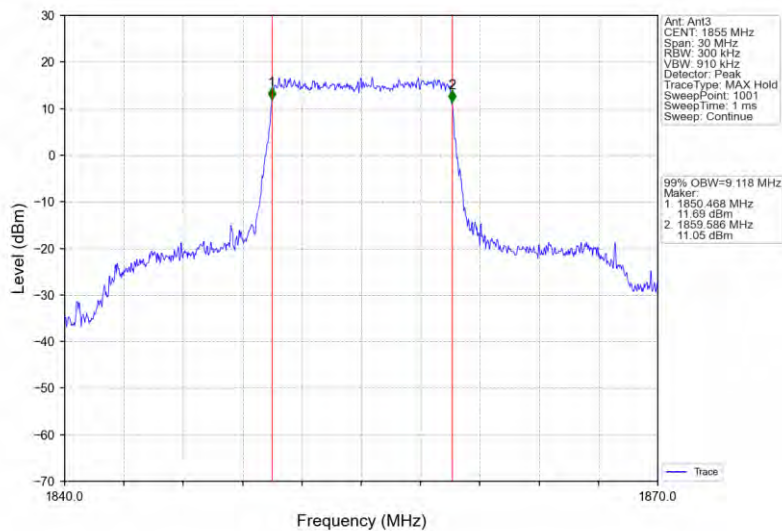
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Band2\_5MHz\_64QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



Band2\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV

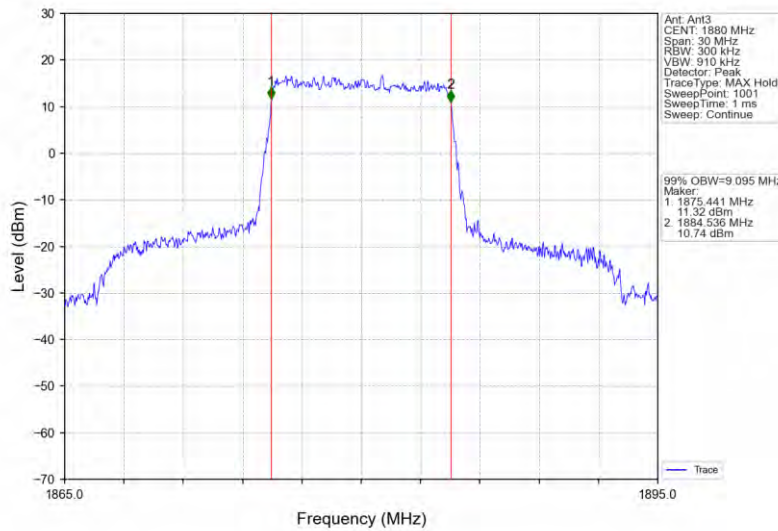


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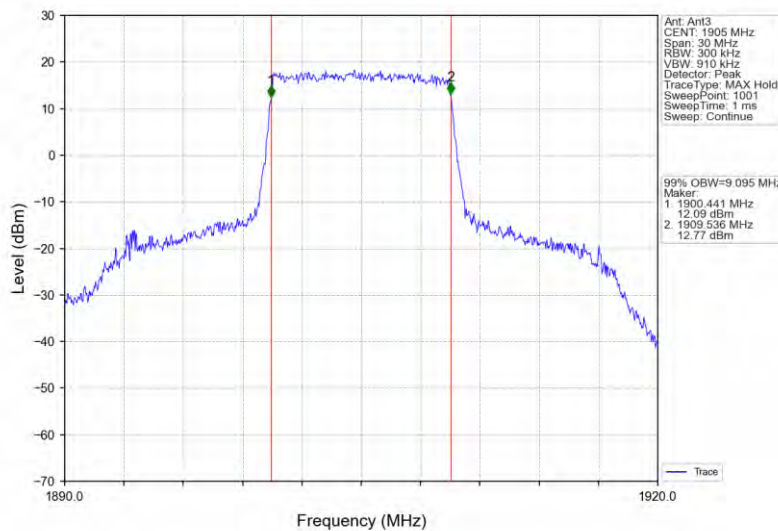
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Band2 10MHz QPSK MCH 1880MHz RB 50\_0 NTN



Band2 10MHz QPSK HCH 1905MHz RB 50\_0 NTN

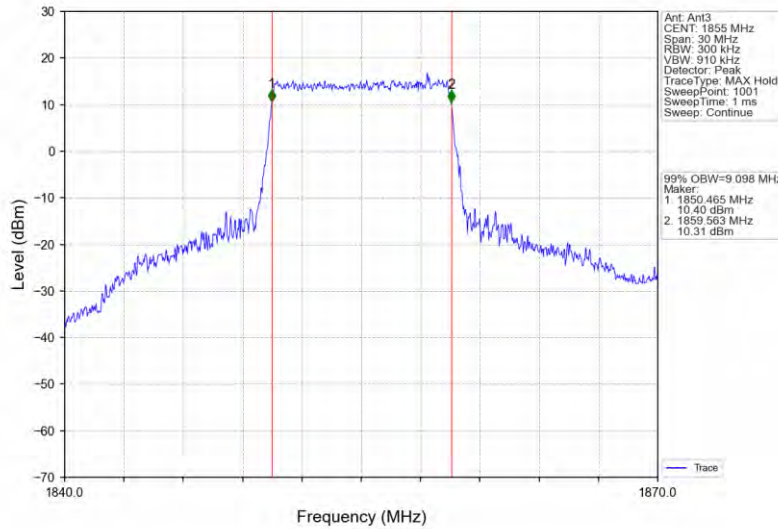


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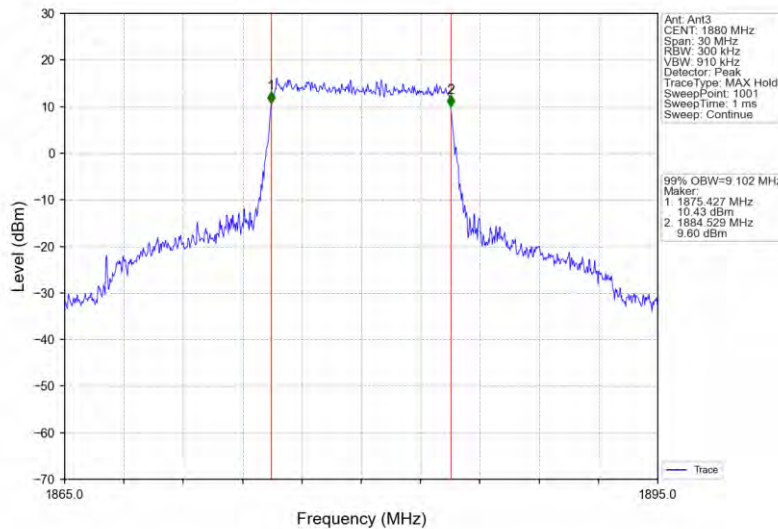
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Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV

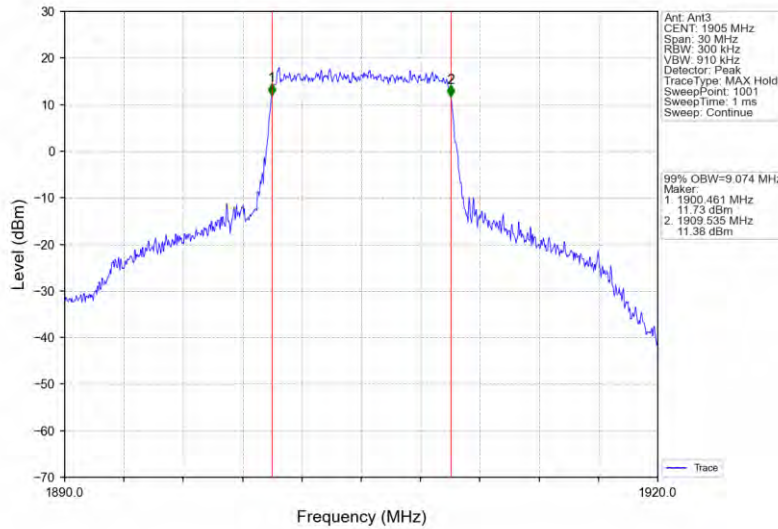


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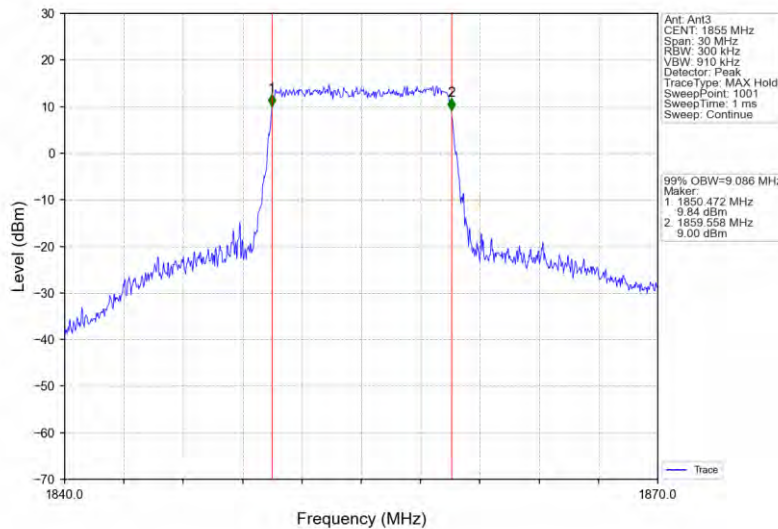
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Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



Band2\_10MHz\_64QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV

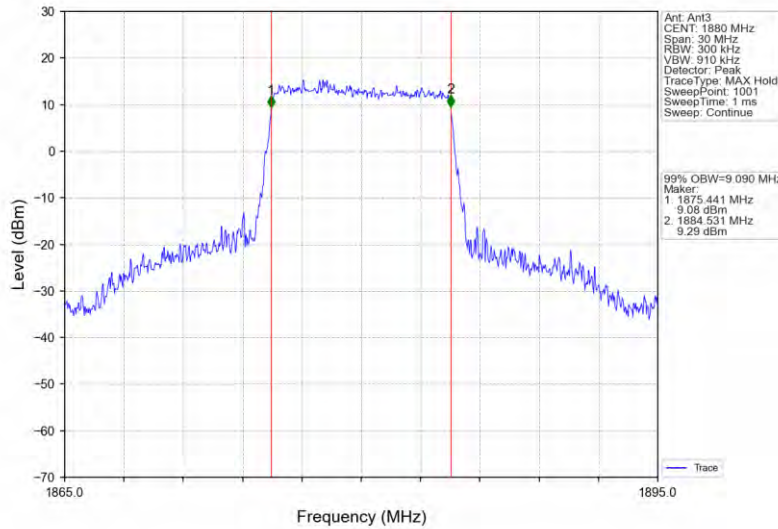


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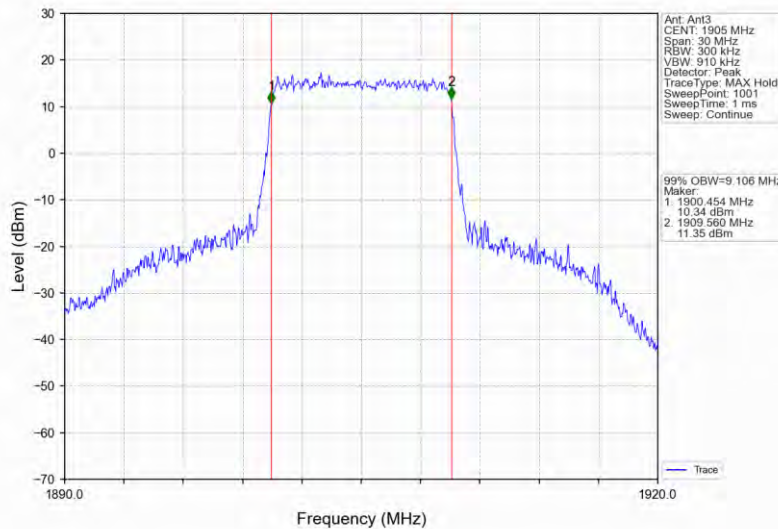
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Band2\_10MHz\_64QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



Band2\_10MHz\_64QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



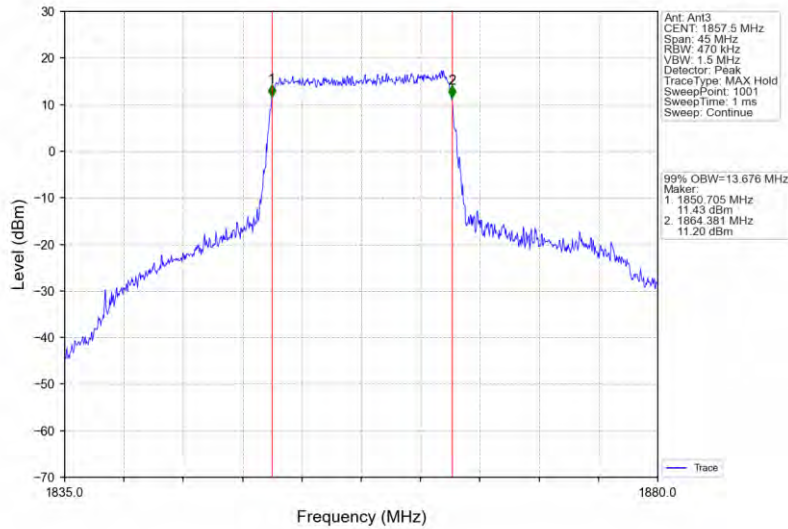
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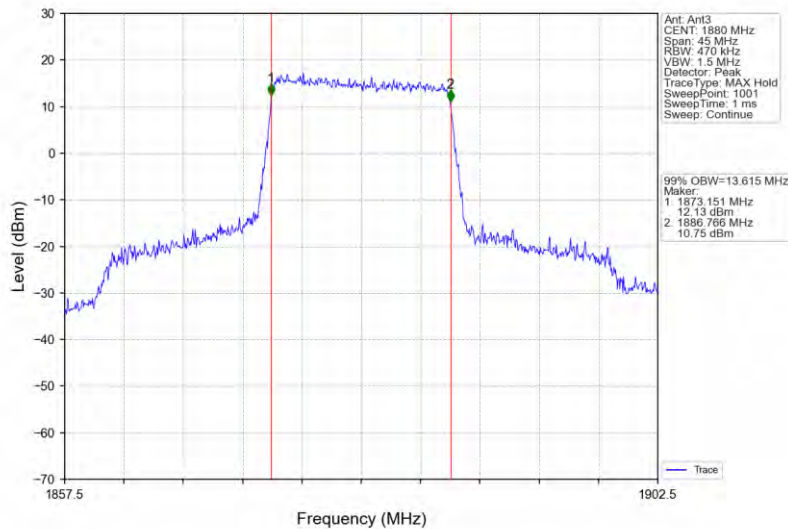
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Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



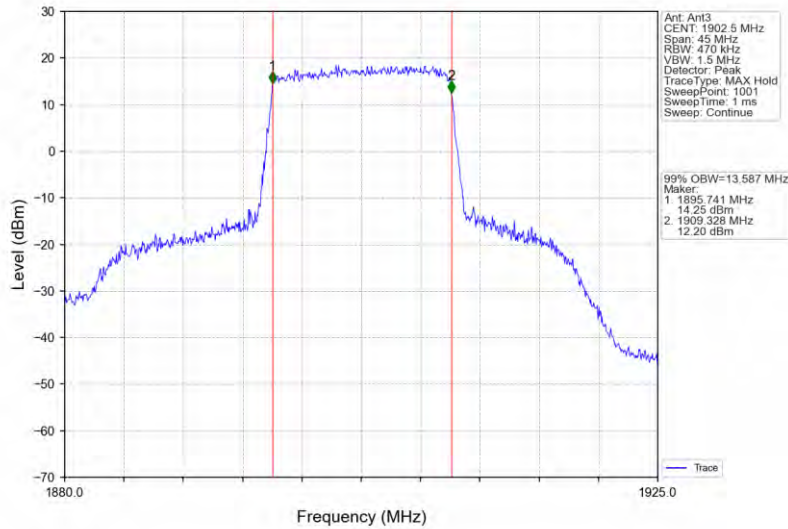
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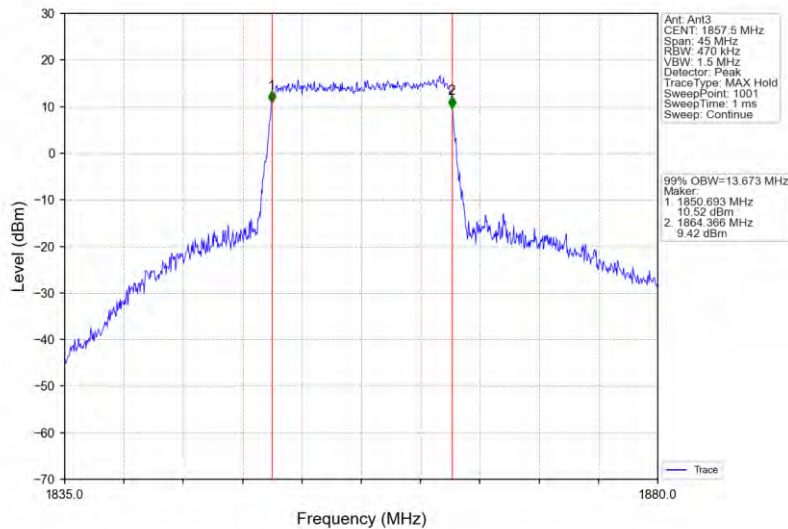
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Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV

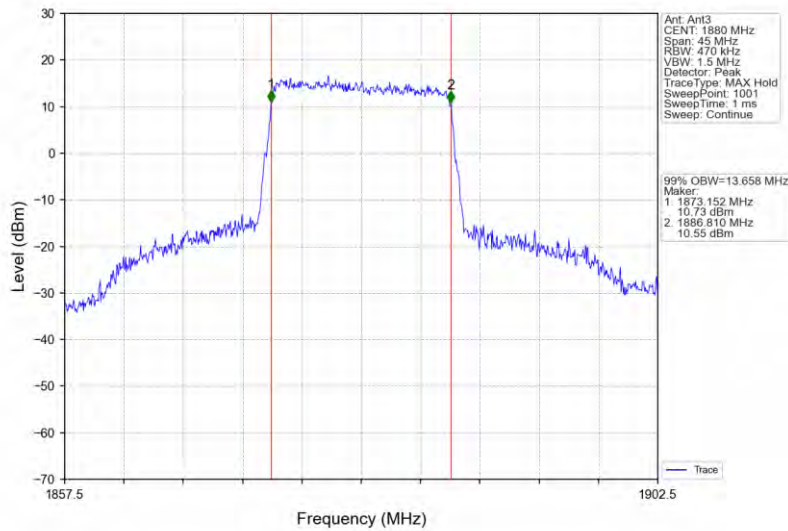


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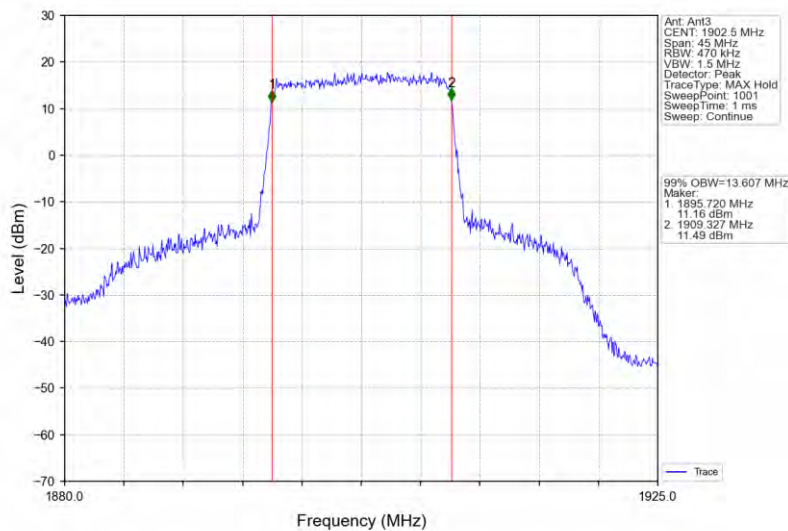
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Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV

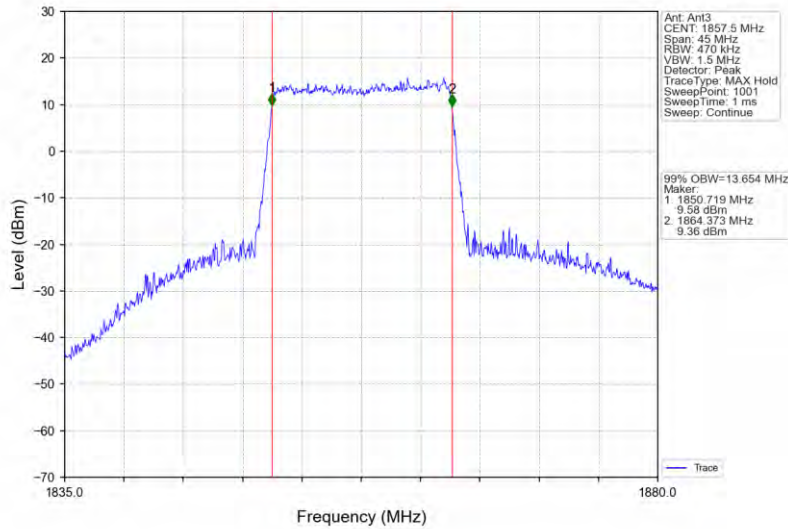


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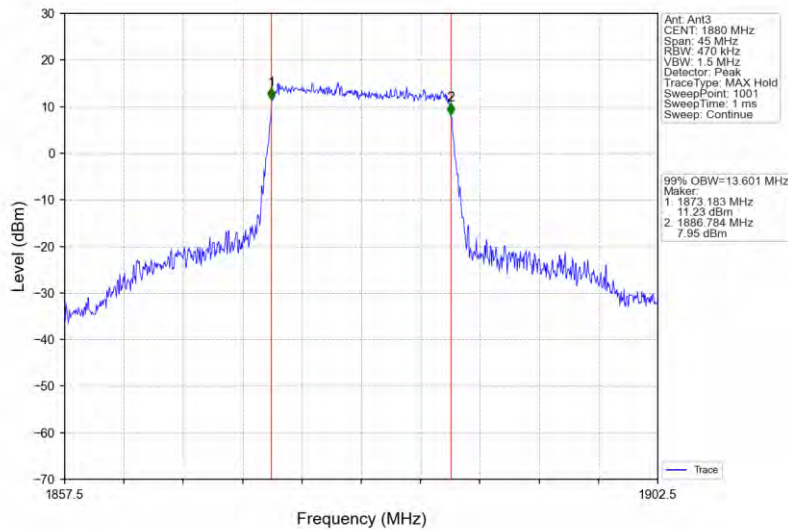
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Band2 15MHz 64QAM LCH 1857.5MHz RB 75 0 NTV



Band2 15MHz 64QAM MCH 1880MHz RB 75 0 NTV



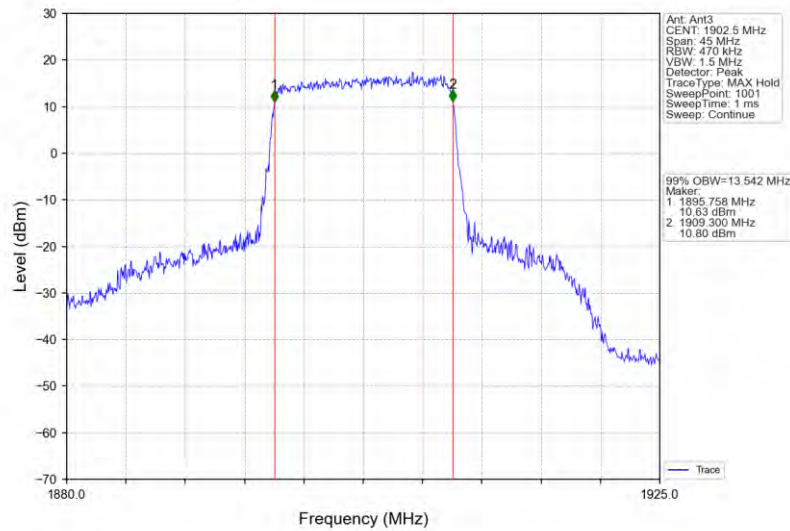
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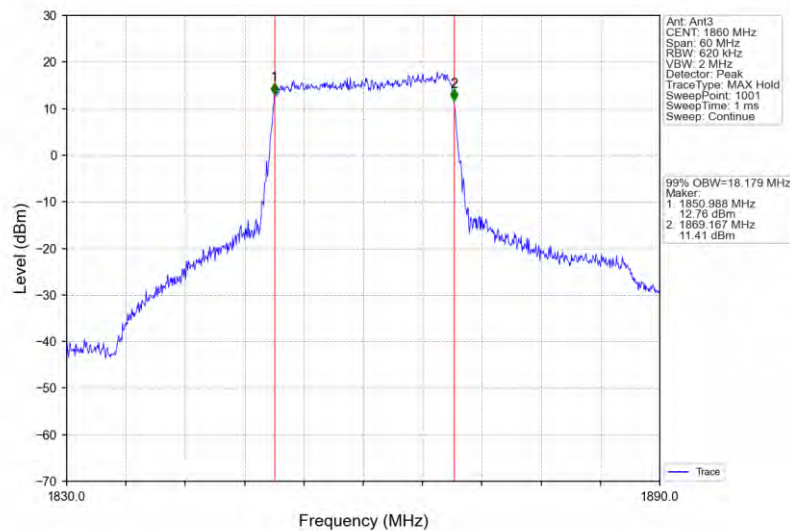
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Band2 15MHz 64QAM HCH 1902.5MHz RB 75 0 NTN



Band2 20MHz QPSK LCH 1860MHz RB 100 0 NTN



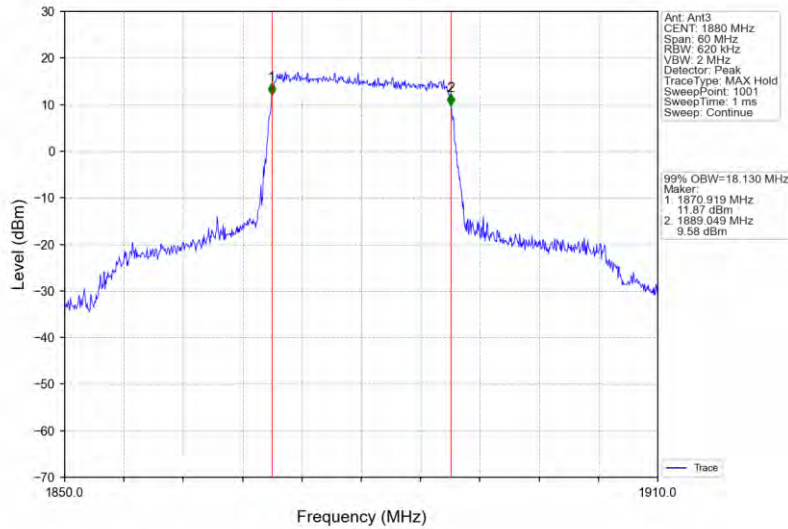
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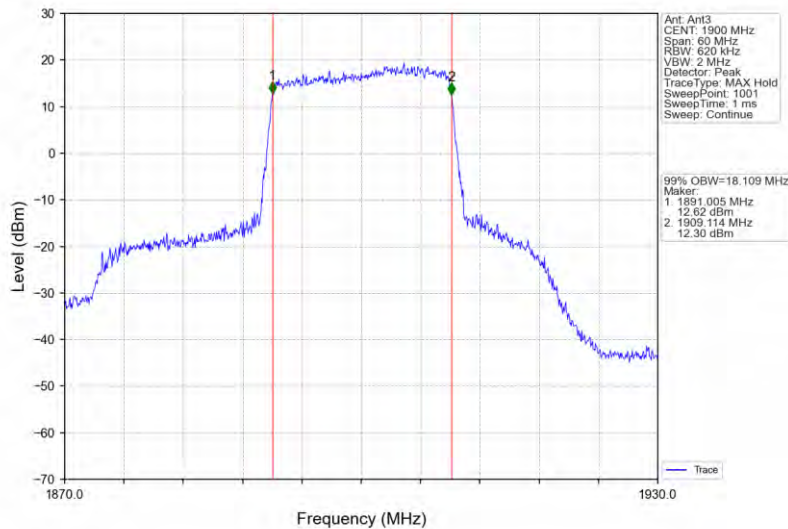
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Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV

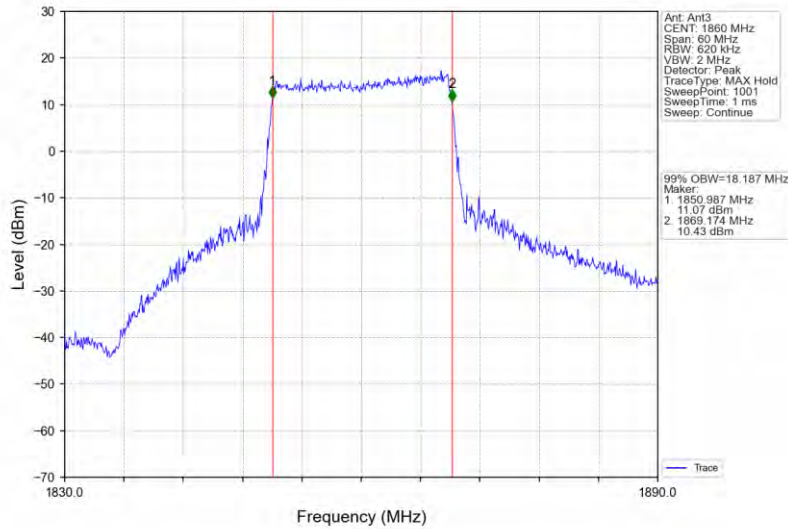


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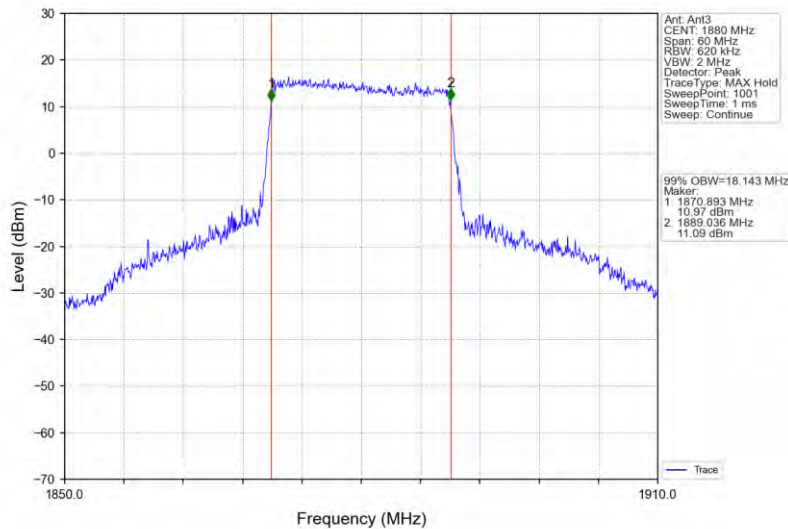
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Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



Band2\_20MHz\_16QAM\_MCH\_1880MHz\_RB\_100\_0\_NTNV

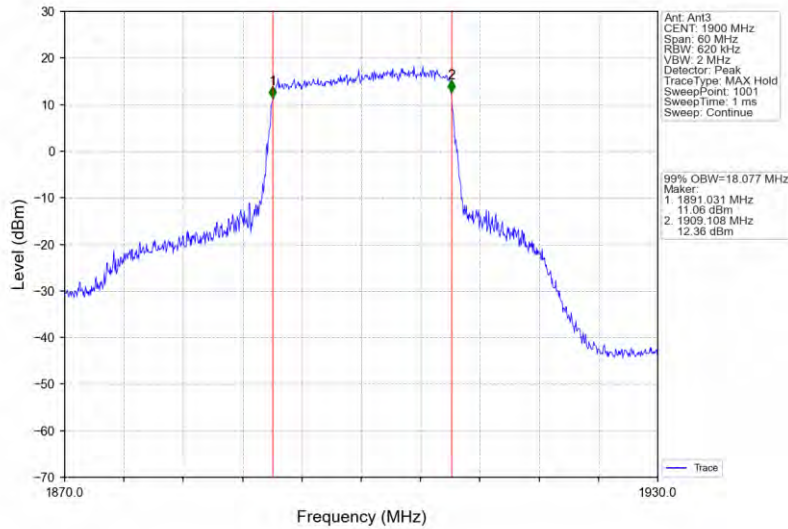


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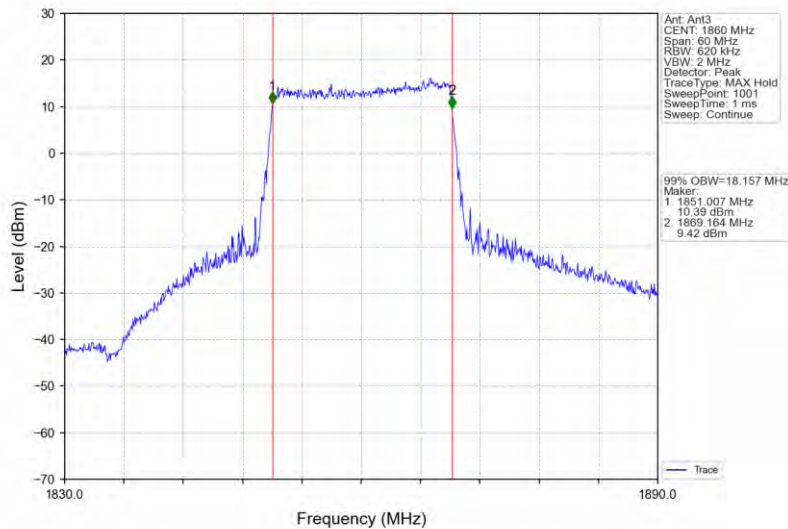
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Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_100\_0\_NTNV



Band2\_20MHz\_64QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



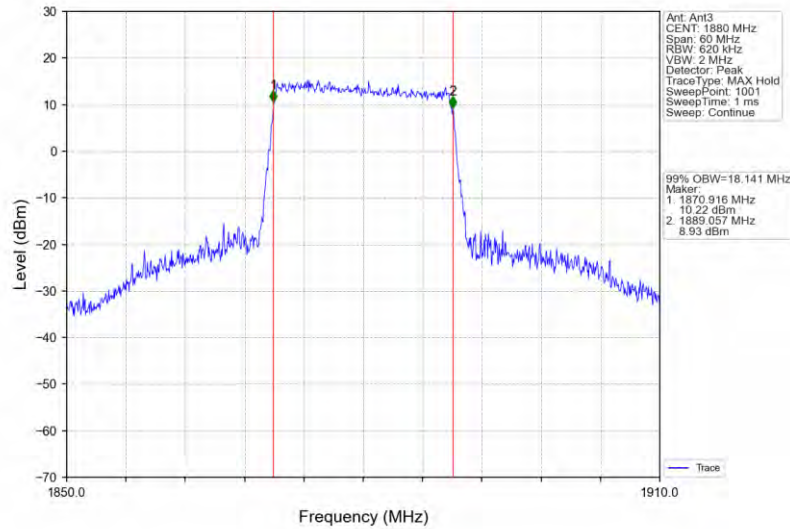
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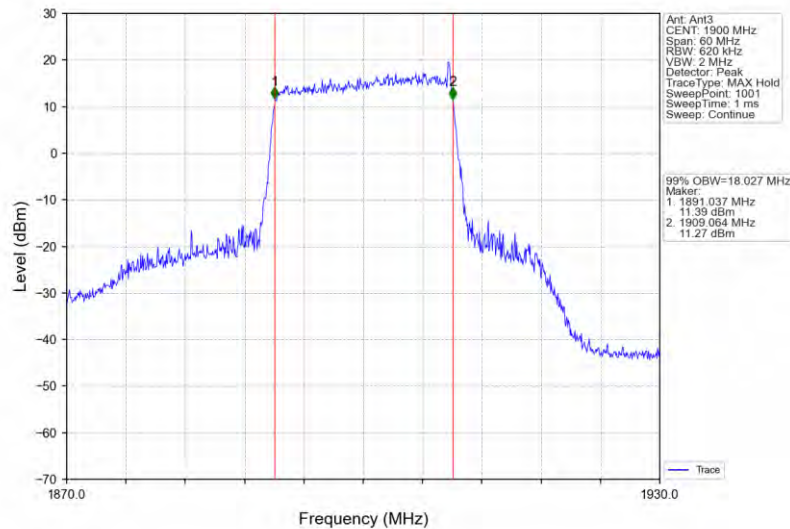
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Band2 20MHz 64QAM MCH 1880MHz RB 100\_0 NTN



Band2 20MHz 64QAM HCH 1900MHz RB 100\_0 NTN



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3.2 Band2\_XDB

3.2.1 Test Result

Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.407	/	Pass
		1880	6	0	1.411	/	Pass
		1909.3	6	0	1.435	/	Pass
	16QAM	1850.7	6	0	1.404	/	Pass
		1880	6	0	1.421	/	Pass
		1909.3	6	0	1.397	/	Pass
	64QAM	1850.7	6	0	1.380	/	Pass
		1880	6	0	1.378	/	Pass
		1909.3	6	0	1.412	/	Pass
3	QPSK	1851.5	15	0	3.130	/	Pass
		1880	15	0	3.081	/	Pass
		1908.5	15	0	3.178	/	Pass
	16QAM	1851.5	15	0	3.160	/	Pass
		1880	15	0	3.155	/	Pass
		1908.5	15	0	3.154	/	Pass
	64QAM	1851.5	15	0	3.154	/	Pass
		1880	15	0	3.123	/	Pass
		1908.5	15	0	3.114	/	Pass
5	QPSK	1852.5	25	0	5.305	/	Pass
		1880	25	0	5.238	/	Pass
		1907.5	25	0	5.279	/	Pass
	16QAM	1852.5	25	0	5.238	/	Pass
		1880	25	0	5.255	/	Pass
		1907.5	25	0	5.210	/	Pass
	64QAM	1852.5	25	0	5.256	/	Pass
		1880	25	0	5.263	/	Pass
		1907.5	25	0	5.236	/	Pass
10	QPSK	1855	50	0	10.266	/	Pass
		1880	50	0	10.275	/	Pass
		1905	50	0	10.250	/	Pass
	16QAM	1855	50	0	10.198	/	Pass
		1880	50	0	10.300	/	Pass
		1905	50	0	10.210	/	Pass
	64QAM	1855	50	0	10.274	/	Pass
		1880	50	0	10.155	/	Pass
		1905	50	0	10.186	/	Pass
15	QPSK	1857.5	75	0	15.259	/	Pass
		1880	75	0	15.317	/	Pass
		1902.5	75	0	15.185	/	Pass
	16QAM	1857.5	75	0	15.297	/	Pass



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Report No.: SEWM2311000454RG01

Rev.: 01

Page: 62 of 368

	64QAM	1880	75	0	15.099	/	Pass
		1902.5	75	0	15.174	/	Pass
		1857.5	75	0	15.148	/	Pass
		1880	75	0	15.166	/	Pass
		1902.5	75	0	14.998	/	Pass
20	QPSK	1860	100	0	20.260	/	Pass
		1880	100	0	20.341	/	Pass
		1900	100	0	20.062	/	Pass
	16QAM	1860	100	0	20.037	/	Pass
		1880	100	0	20.334	/	Pass
		1900	100	0	20.070	/	Pass
	64QAM	1860	100	0	20.323	/	Pass
		1880	100	0	20.143	/	Pass
		1900	100	0	19.760	/	Pass

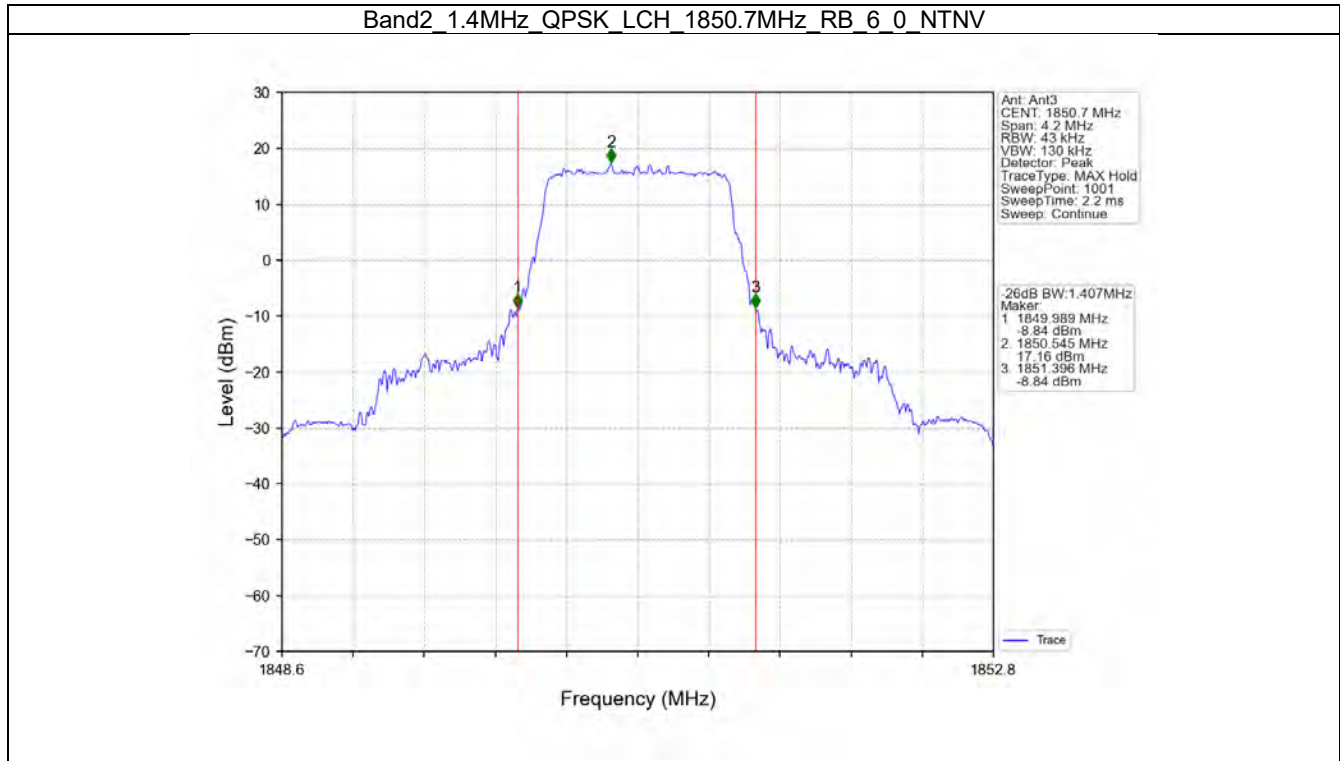


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3.2.2 Test Graph

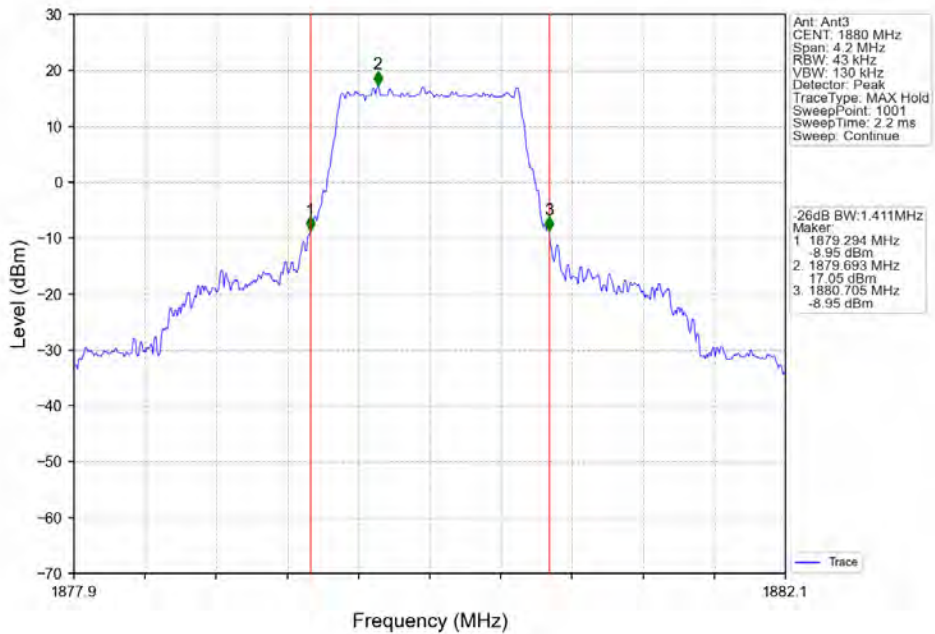


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Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_6\_0\_NTNV



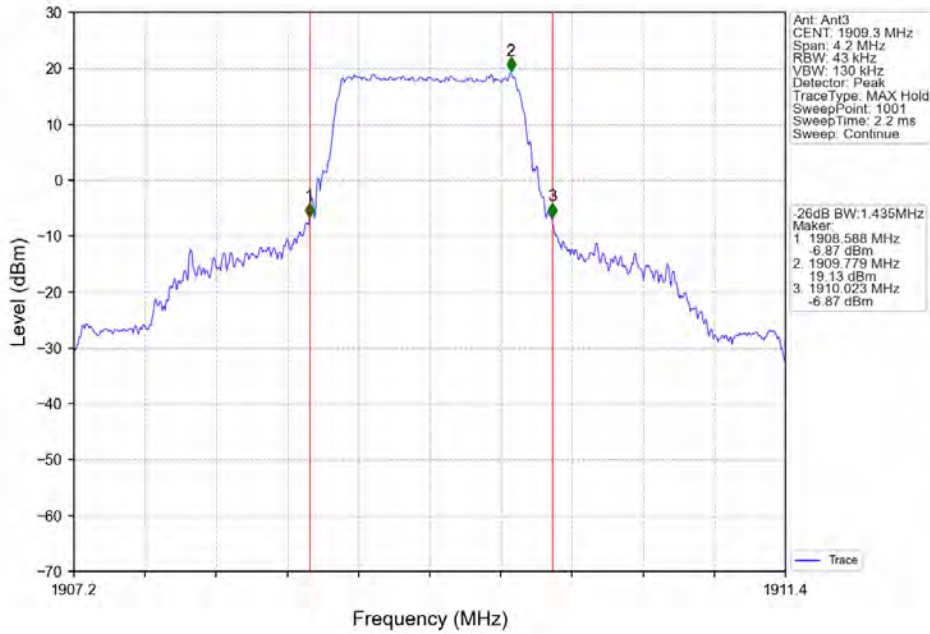
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Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV

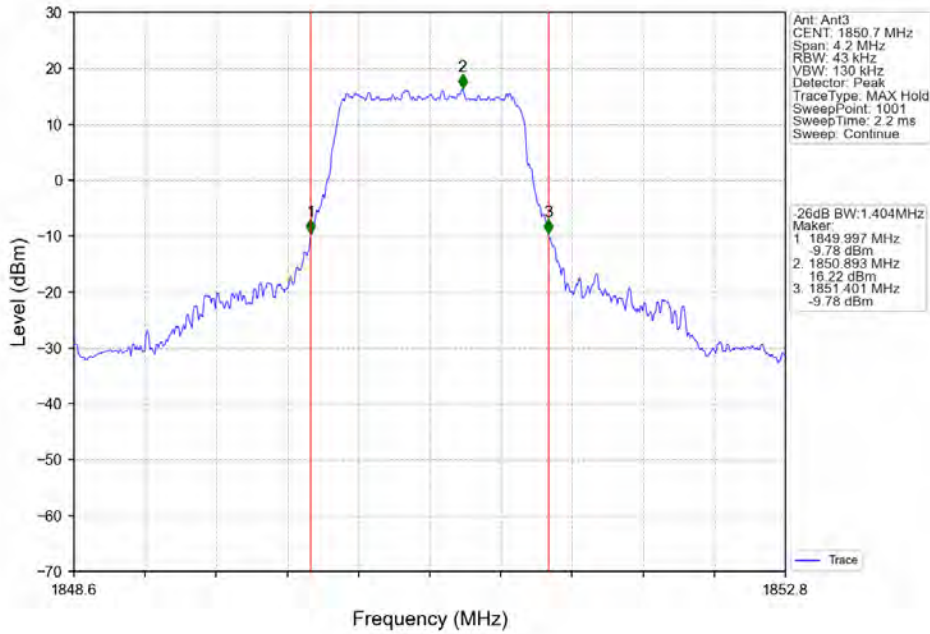


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Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

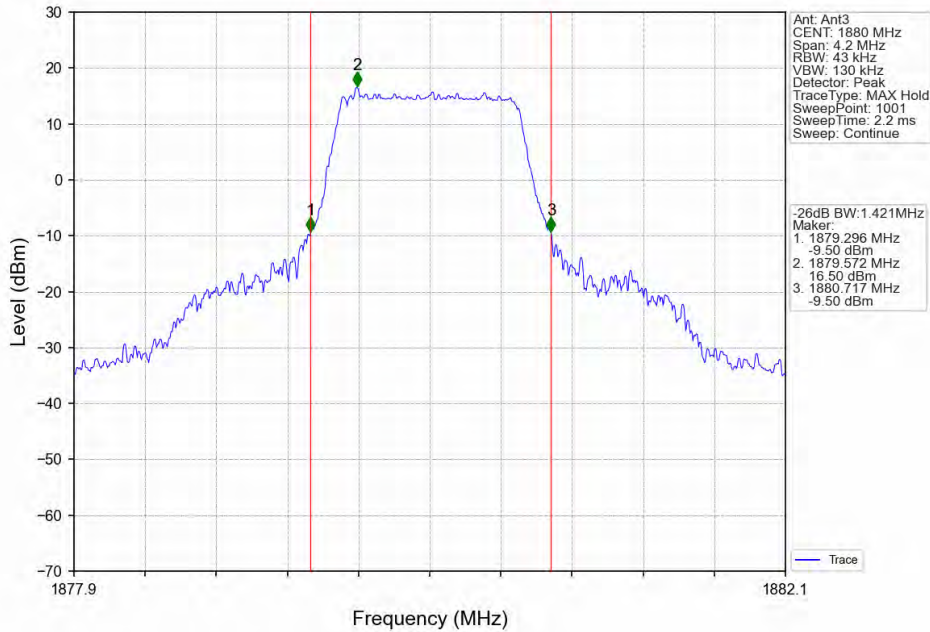


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Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV

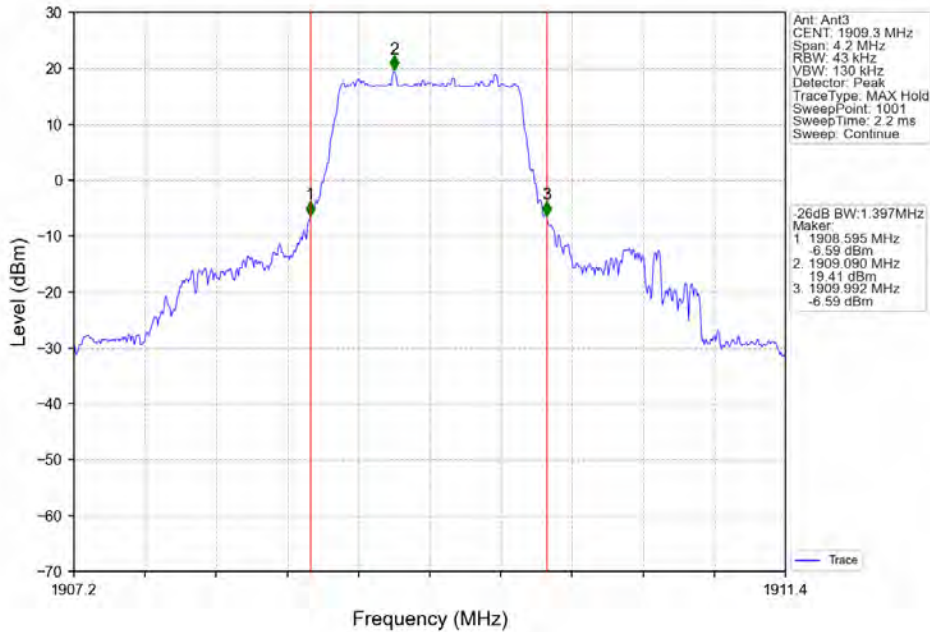


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Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



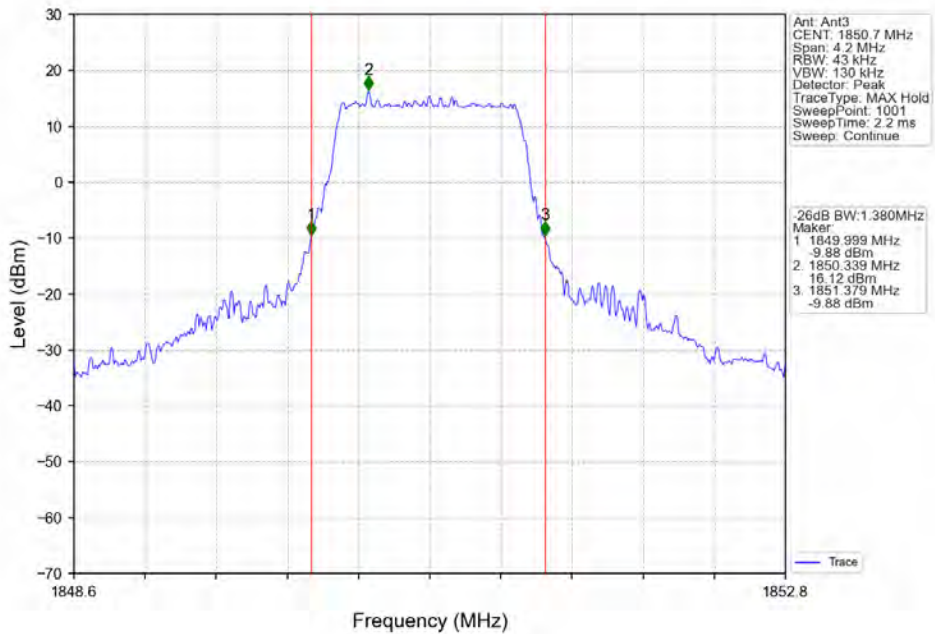
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Band2\_1.4MHz\_64QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

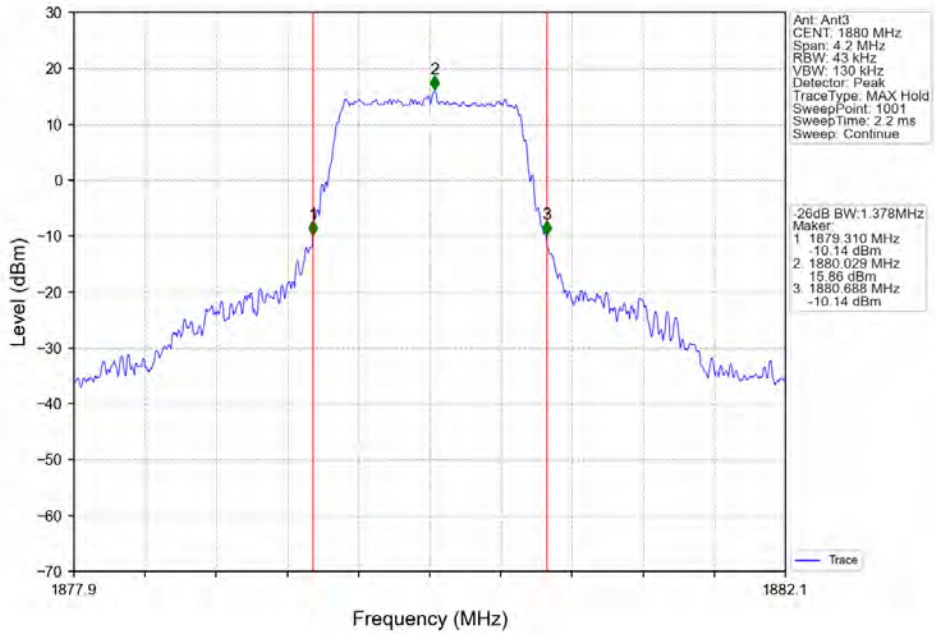


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Band2\_1.4MHz\_64QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV

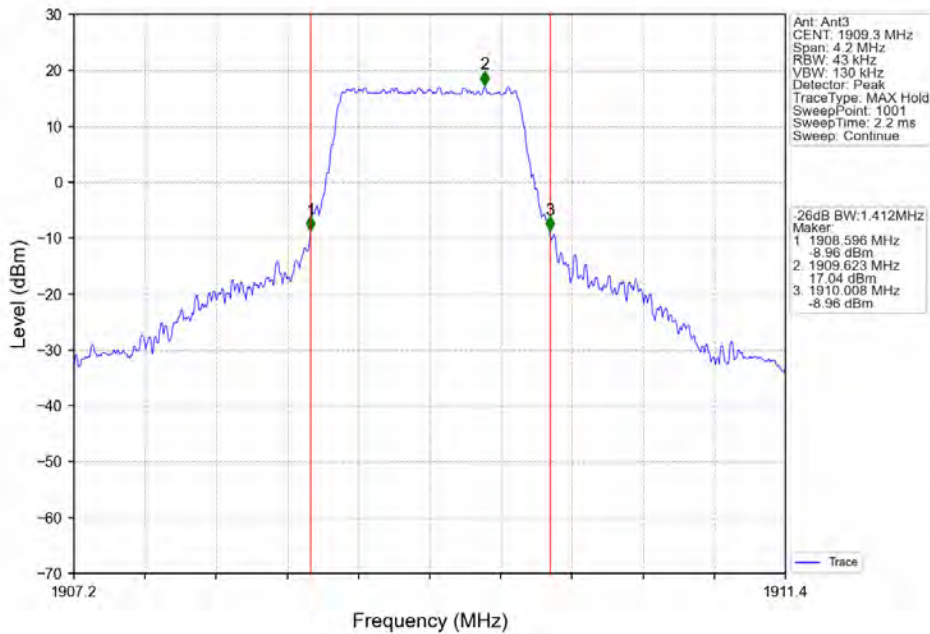


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Band2\_1.4MHz\_64QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV

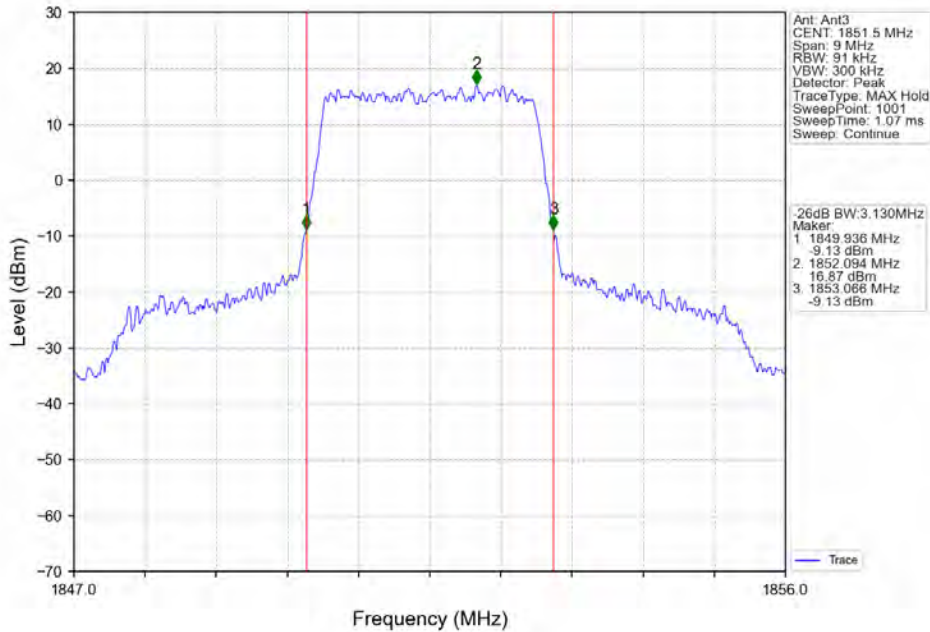


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Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



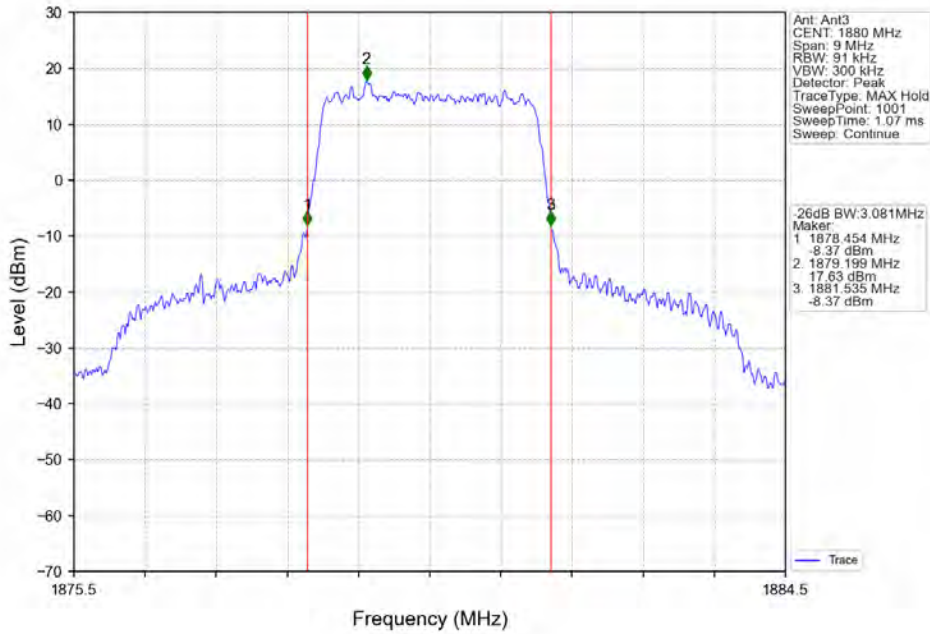
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Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV

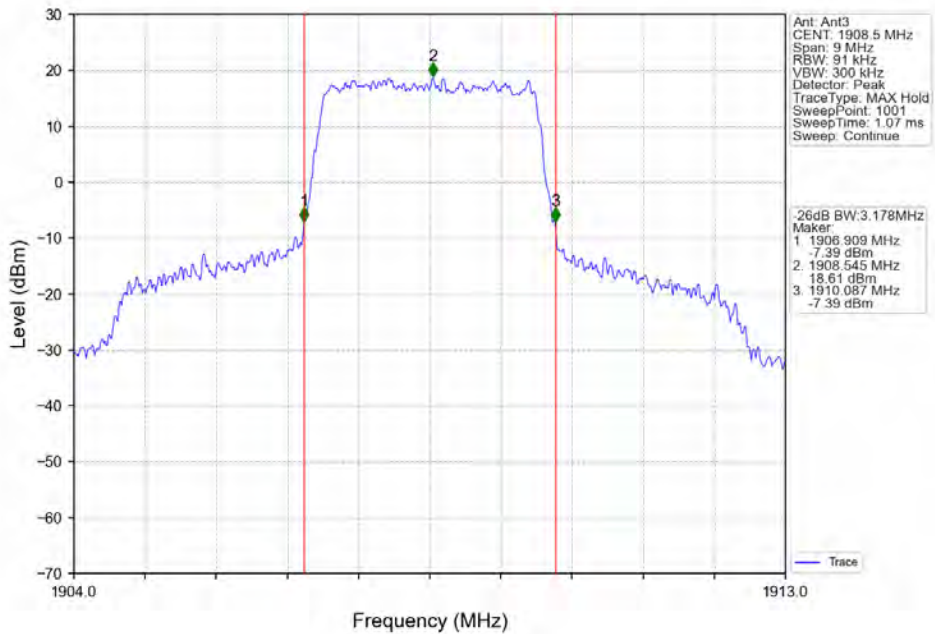


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Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



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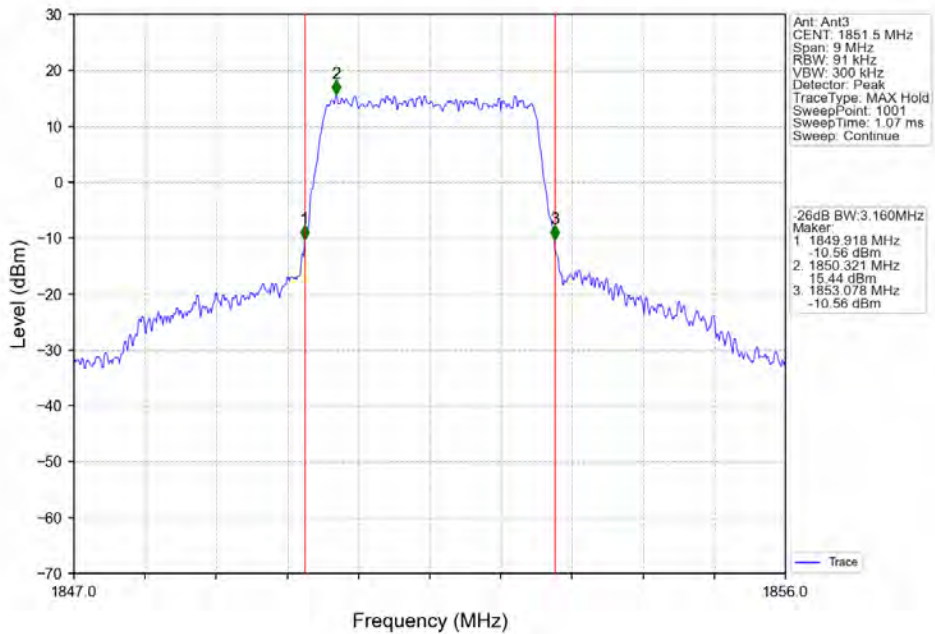
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Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



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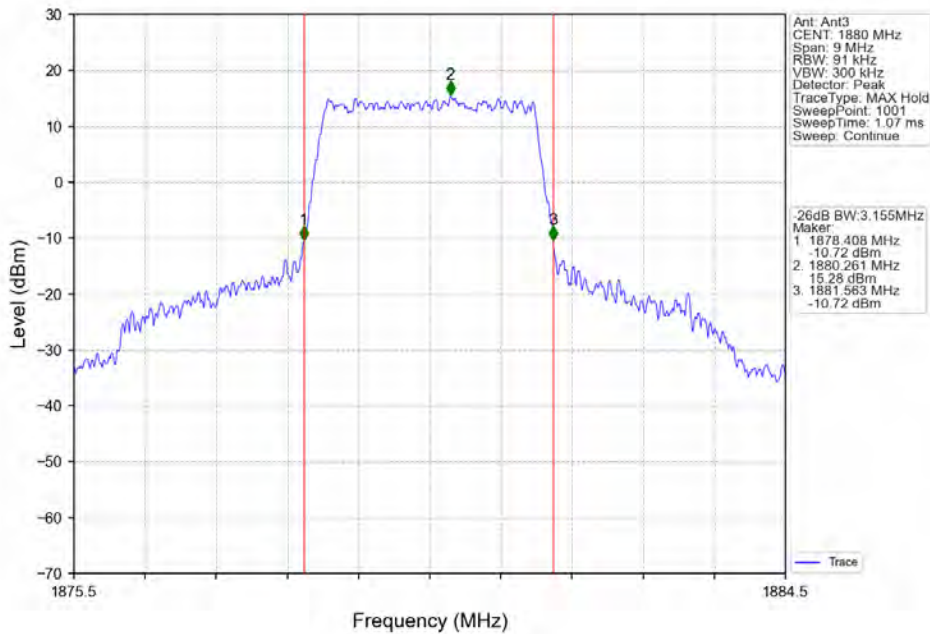
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Rev.: 01

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Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV



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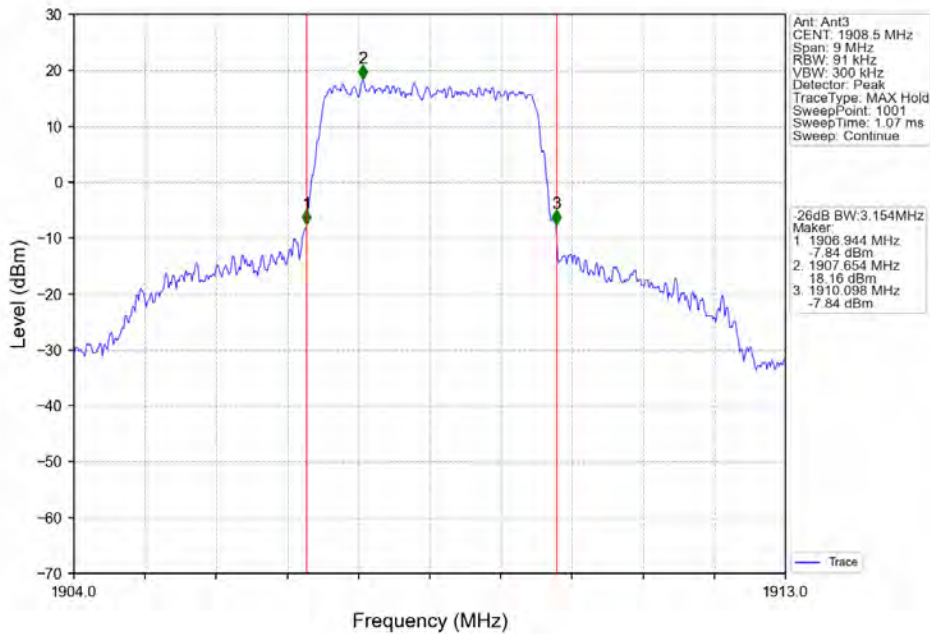
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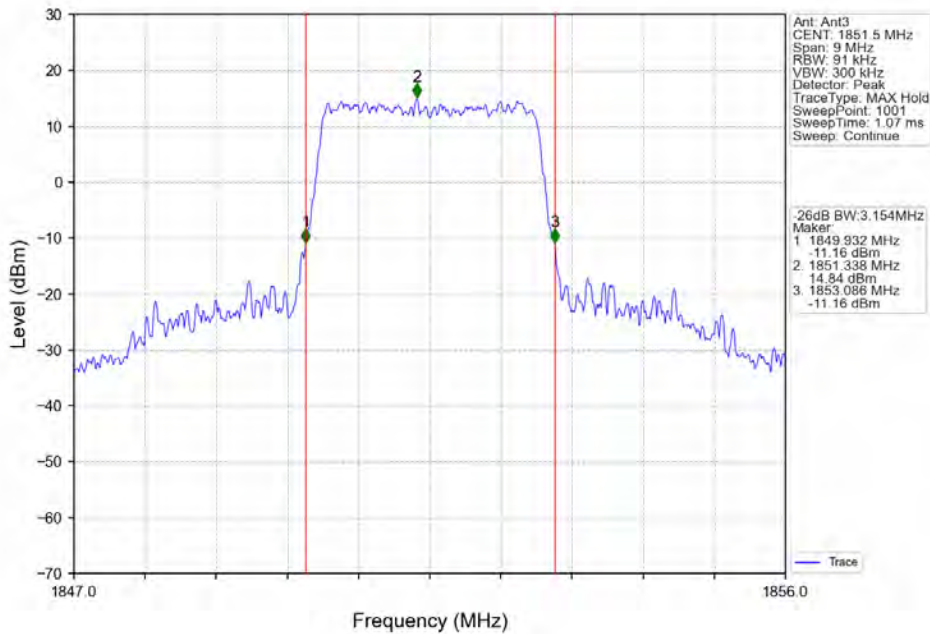


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Band2\_3MHz\_64QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV

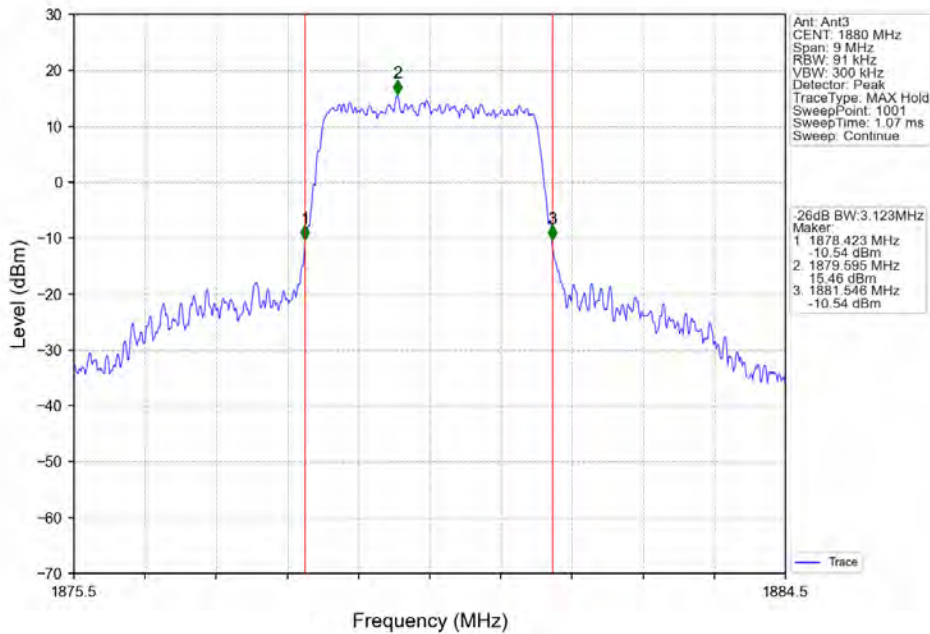


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Band2\_3MHz\_64QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV

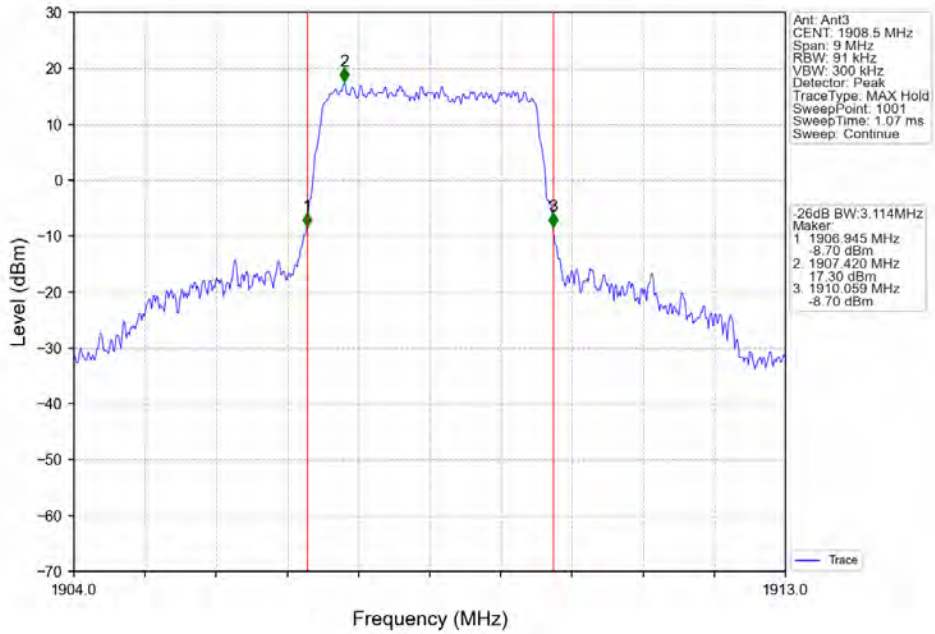


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Band2\_3MHz\_64QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



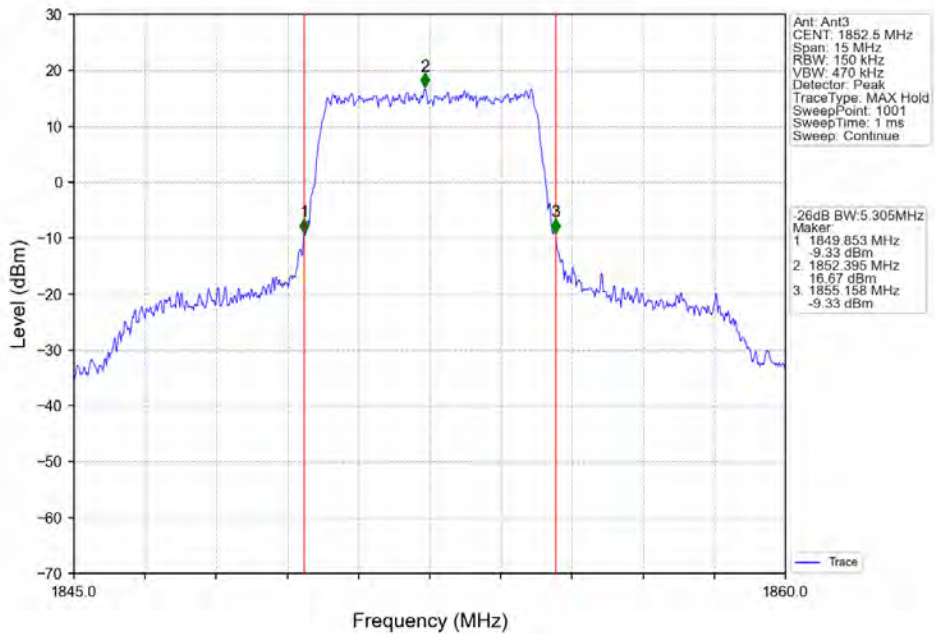
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Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV

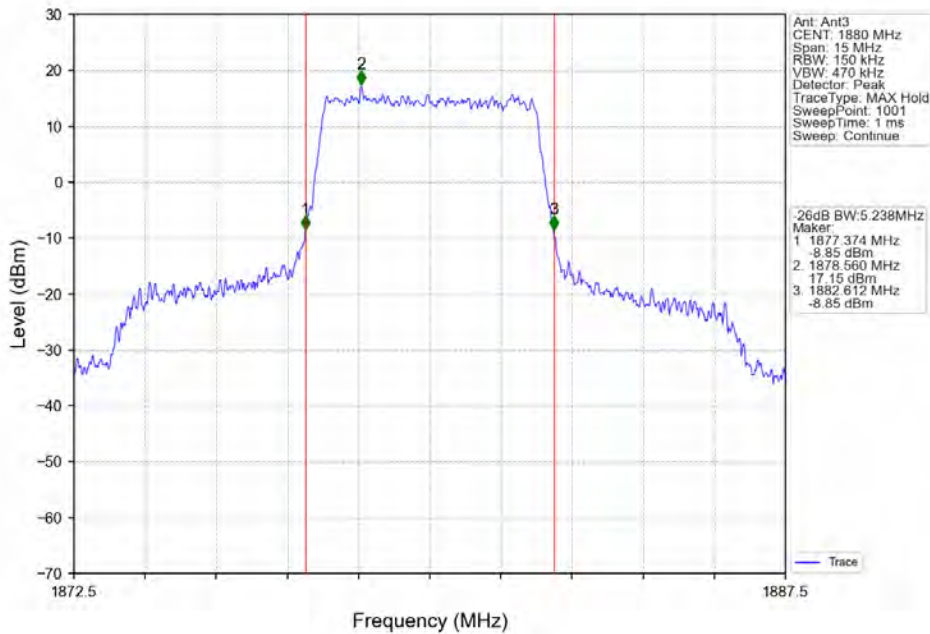


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Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV

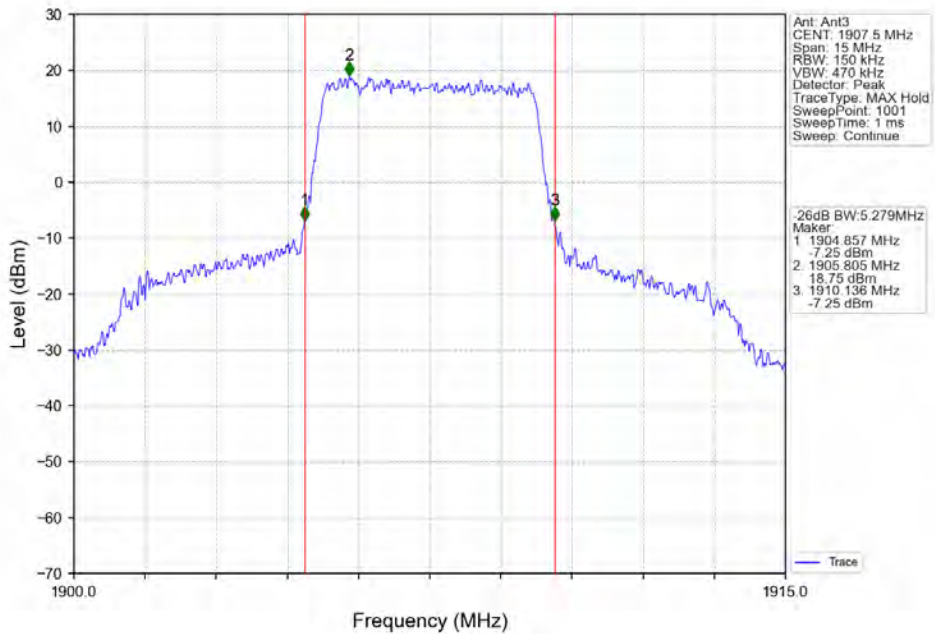


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Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV

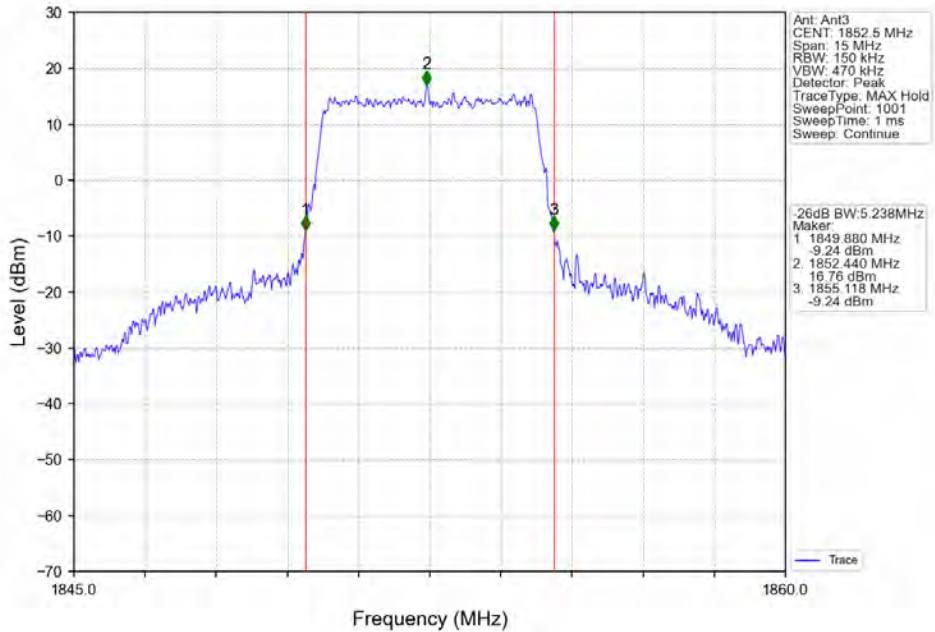


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Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



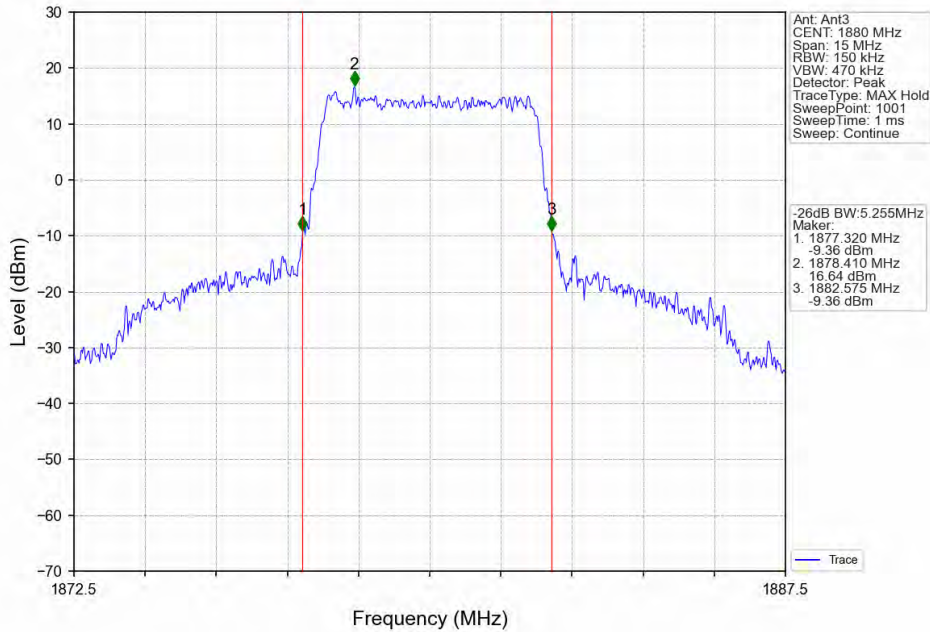
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Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV

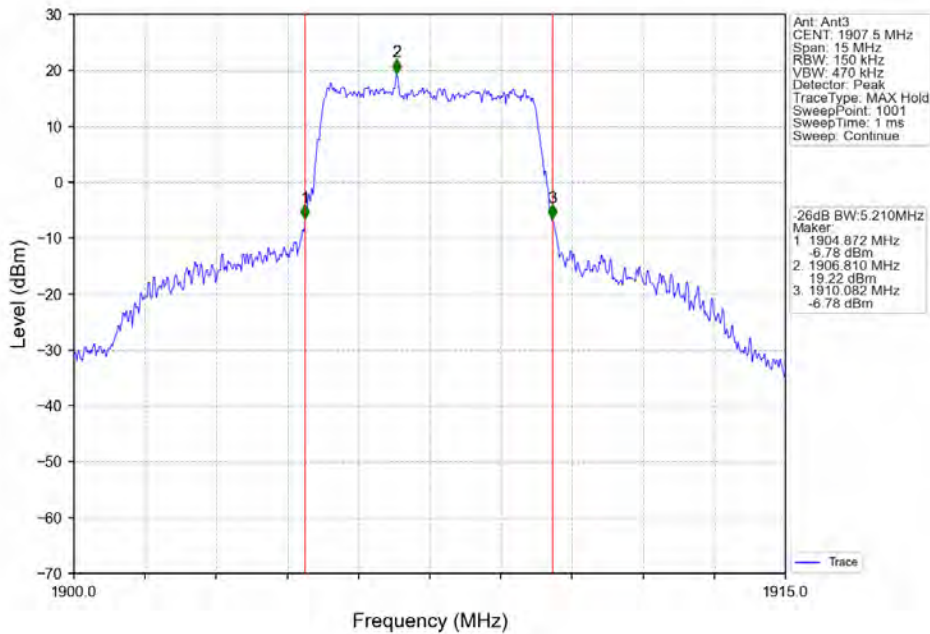


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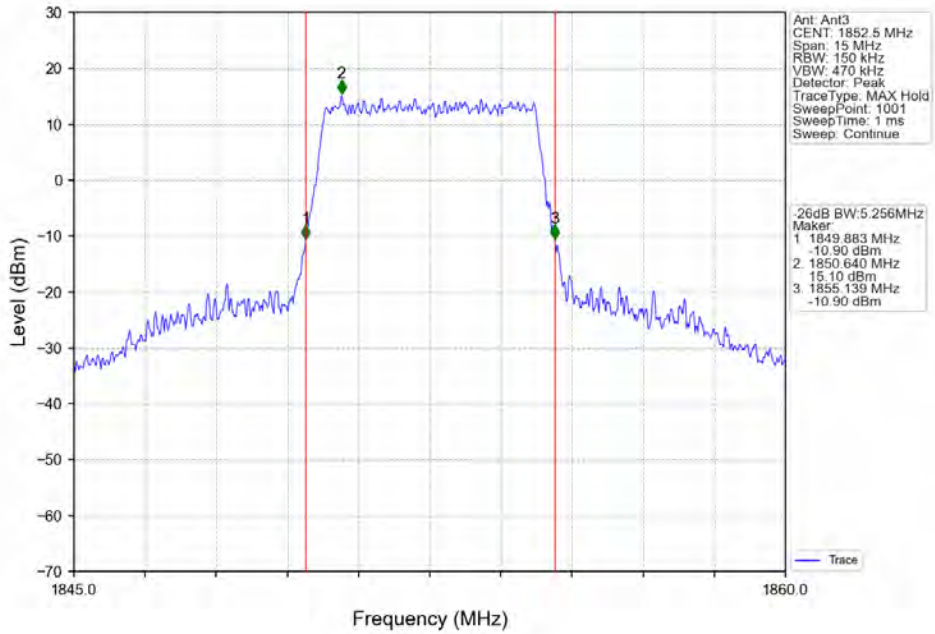
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Band2\_5MHz\_64QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV

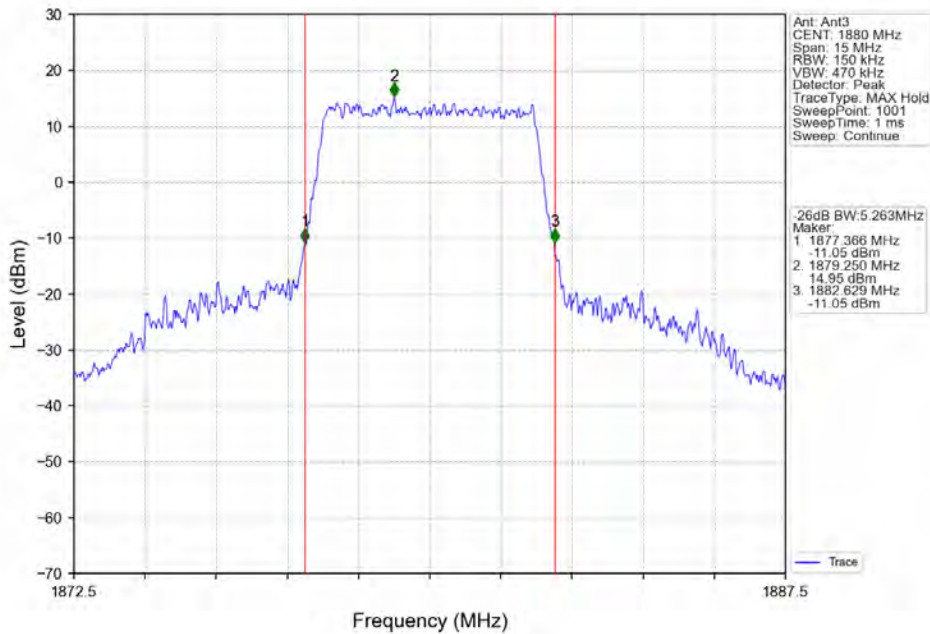


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Band2\_5MHz\_64QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



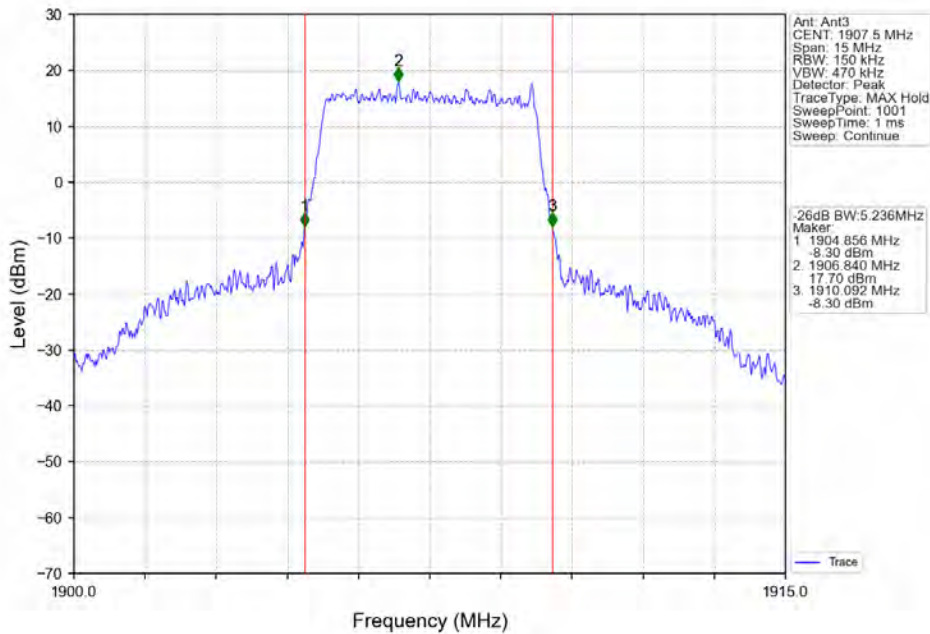
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Band2\_5MHz\_64QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



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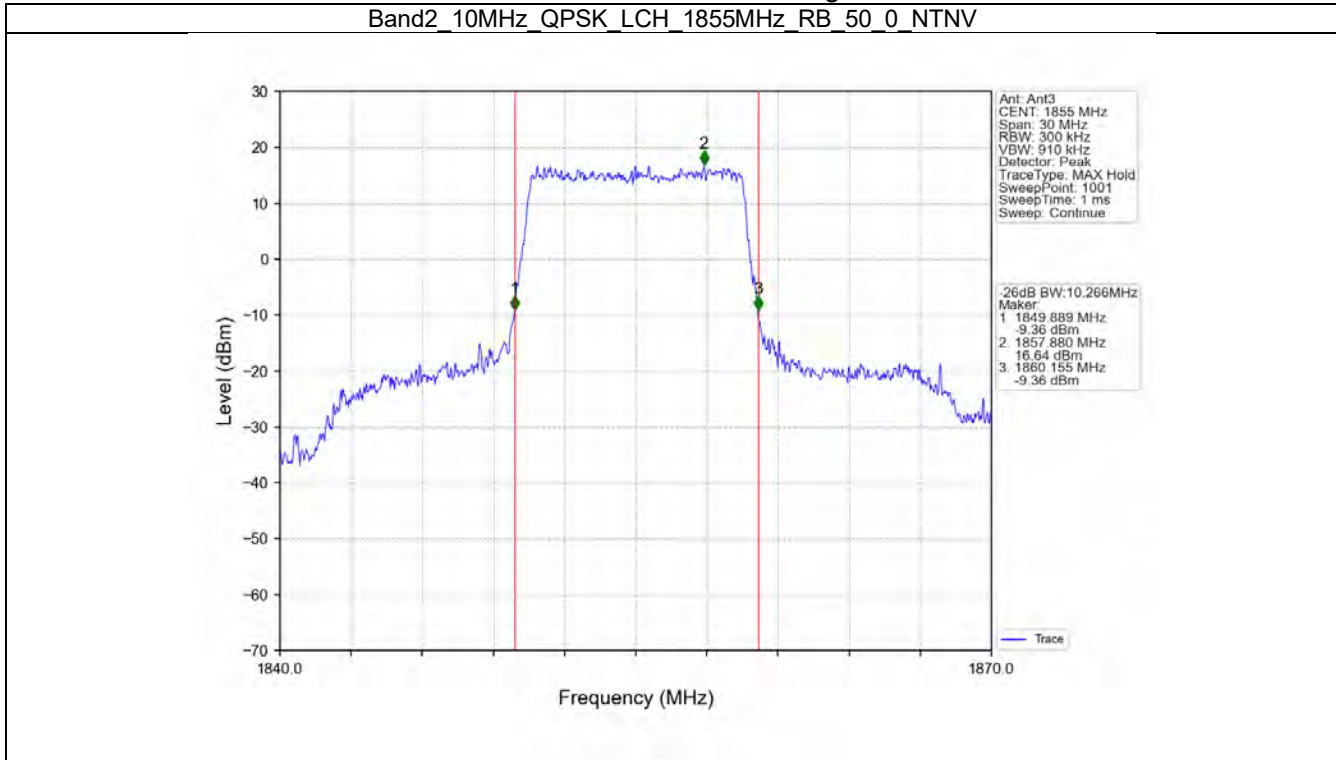
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Band2\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV



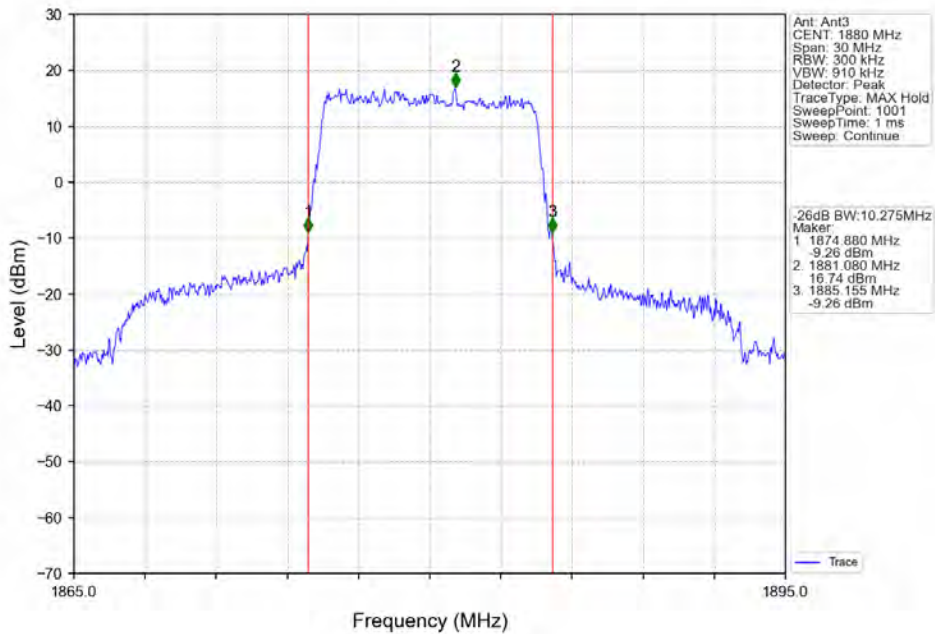
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Band2 10MHz\_QPSK\_MCH\_1880MHz\_RB\_50\_0\_NTNV

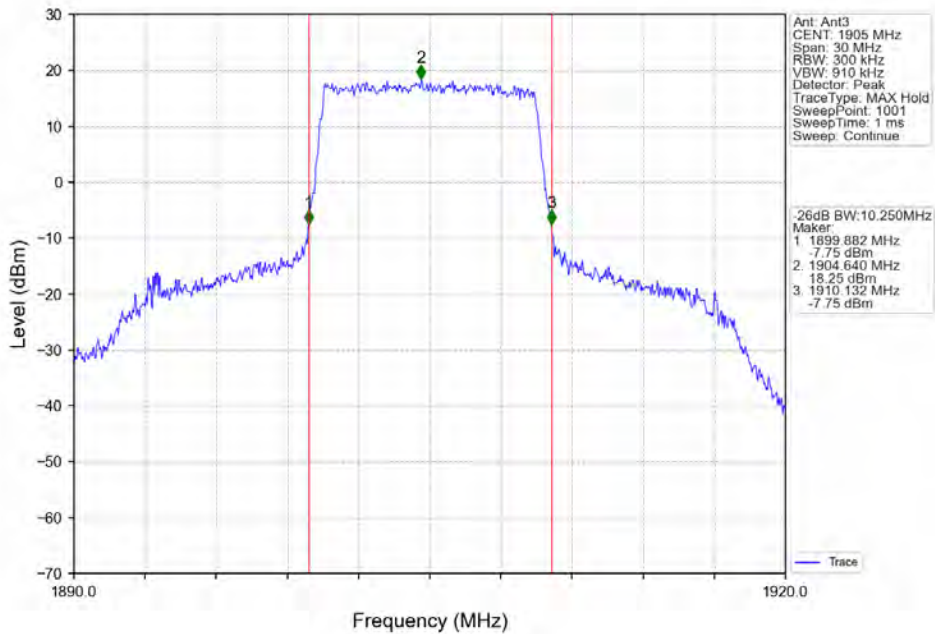


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Band2 10MHz\_QPSK\_HCH\_1905MHz\_RB\_50\_0\_NTNV



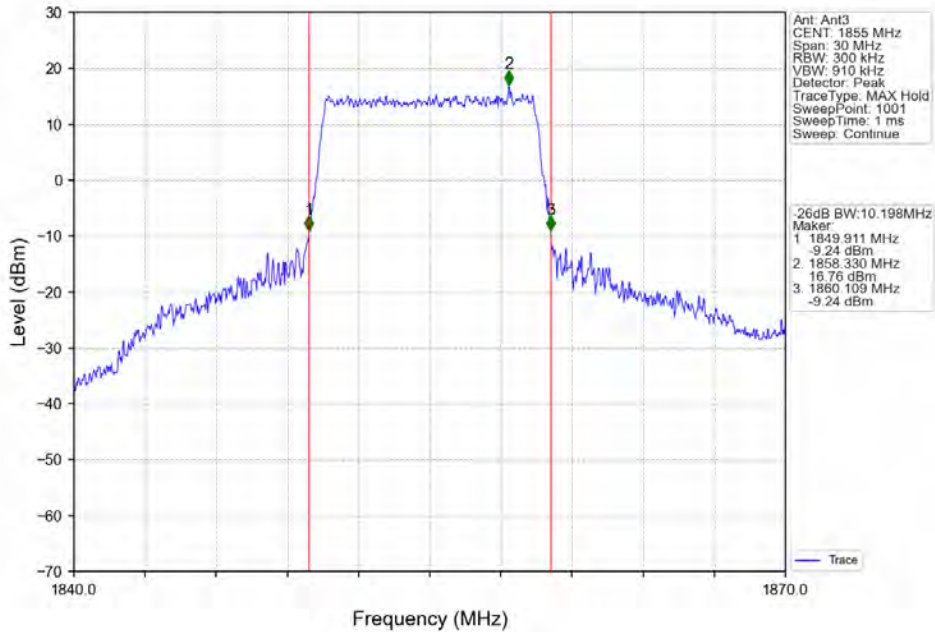
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Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV

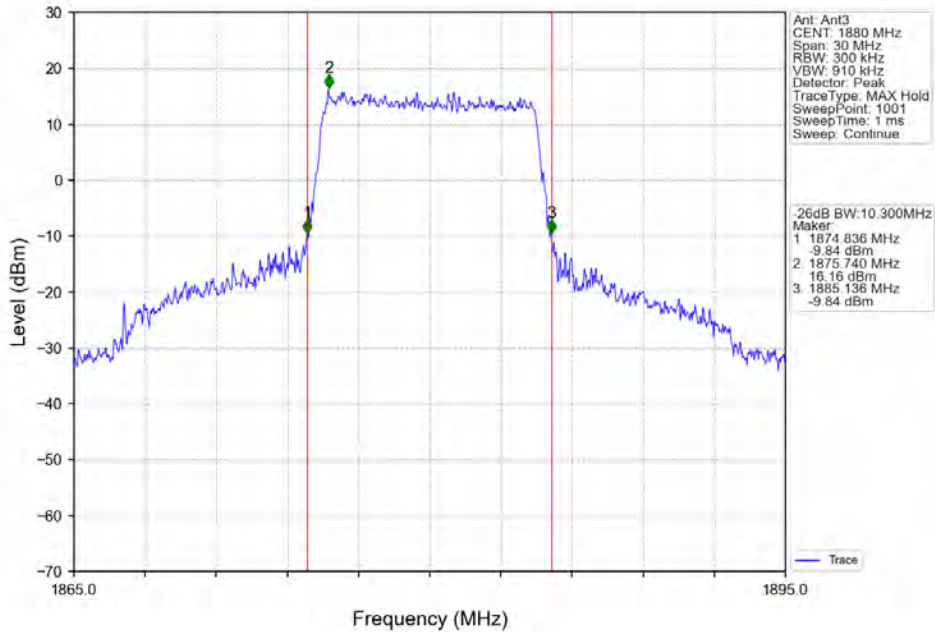


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Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV

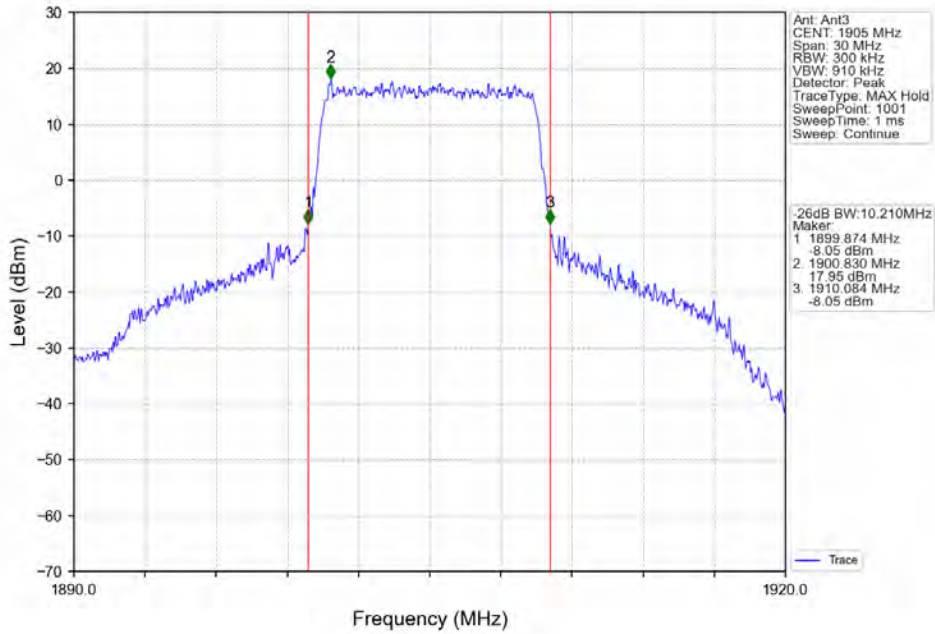


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Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV

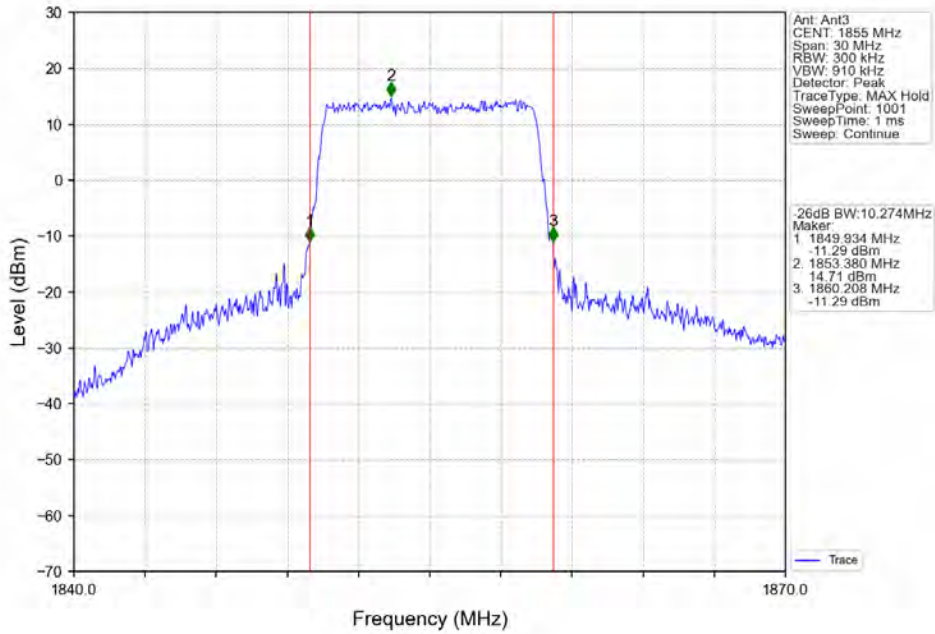


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Band2\_10MHz\_64QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



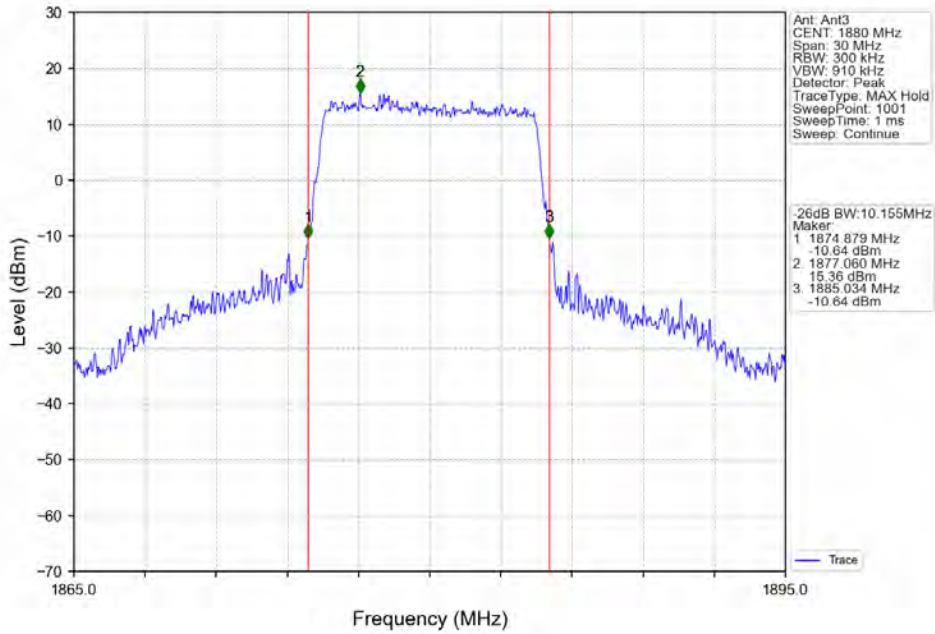
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Band2\_10MHz\_64QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



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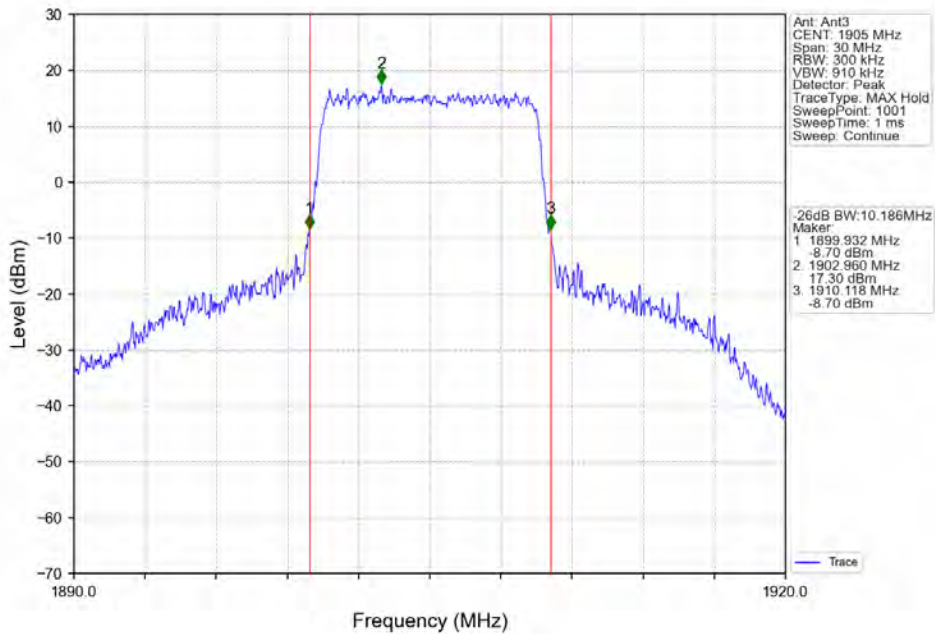
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Band2\_10MHz\_64QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



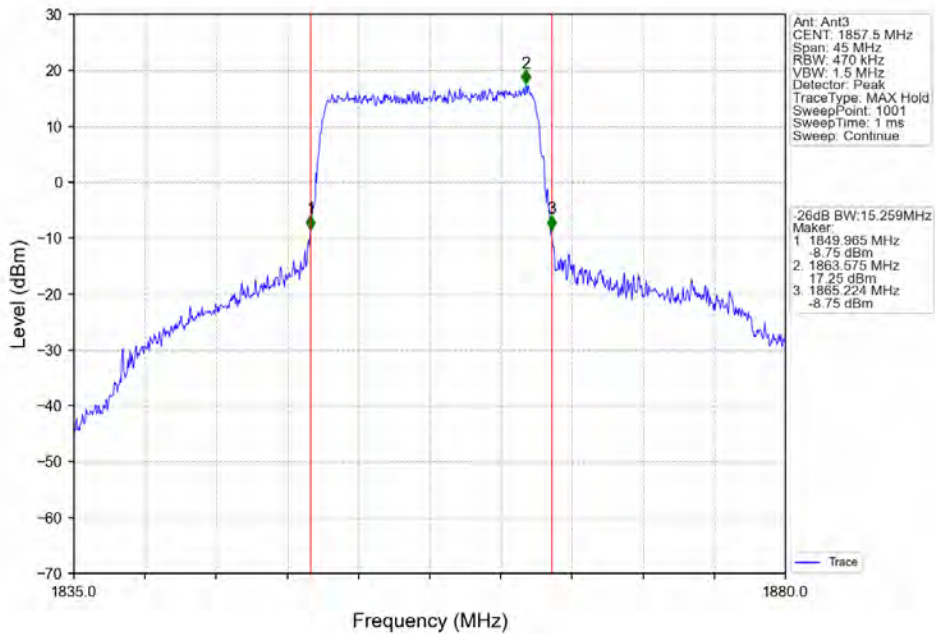
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Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



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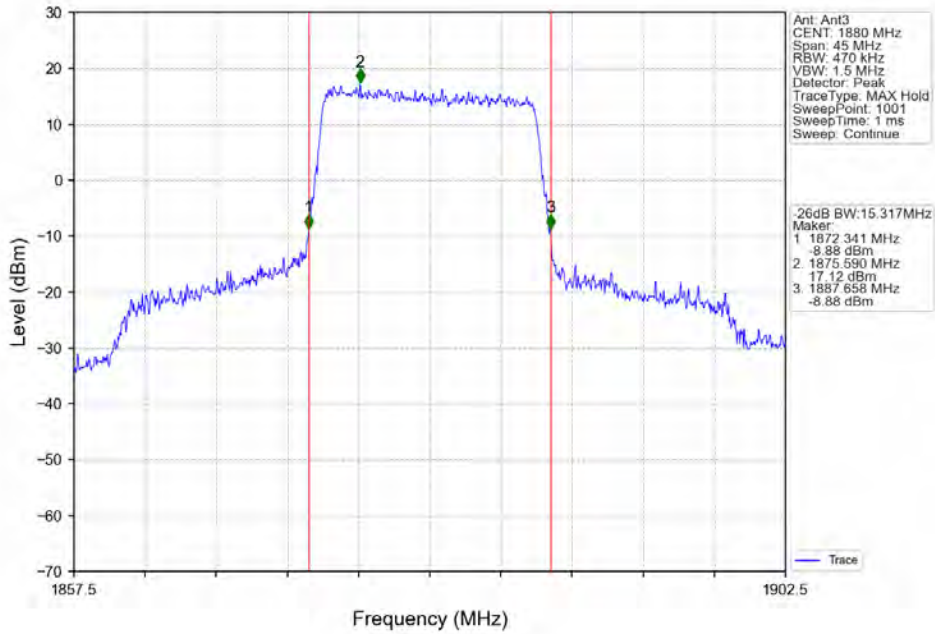
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Band2 15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



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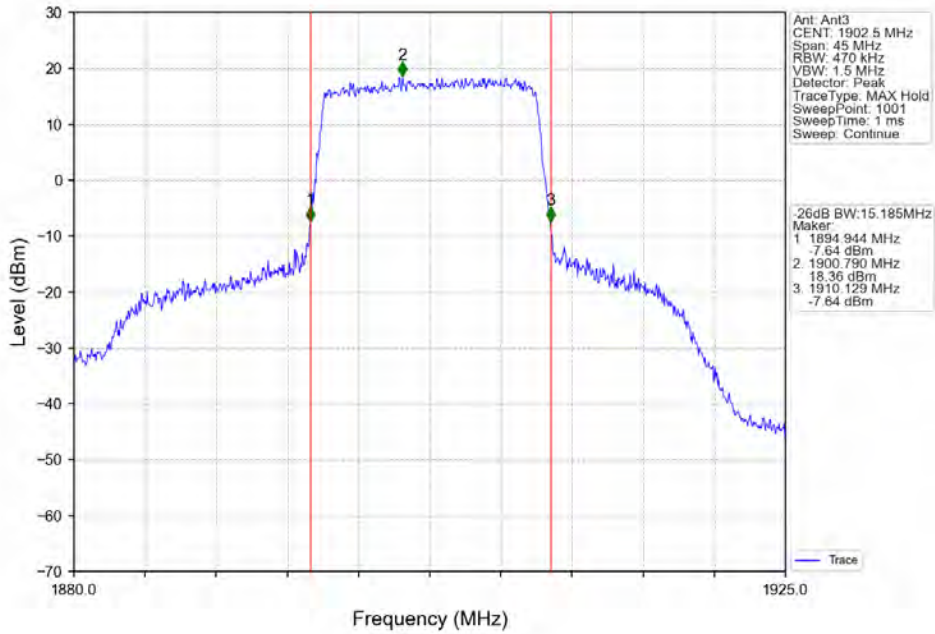


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Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV

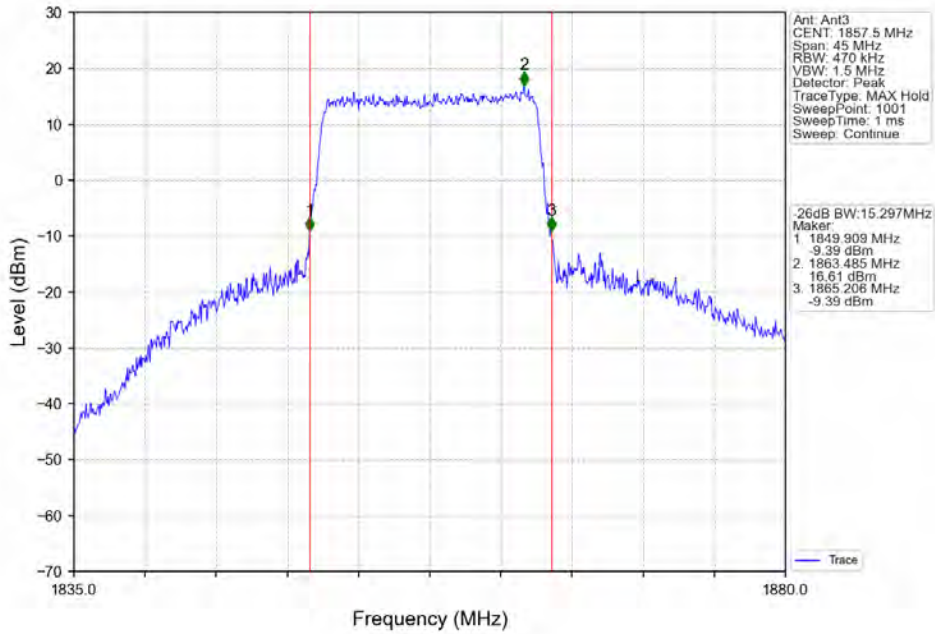


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Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



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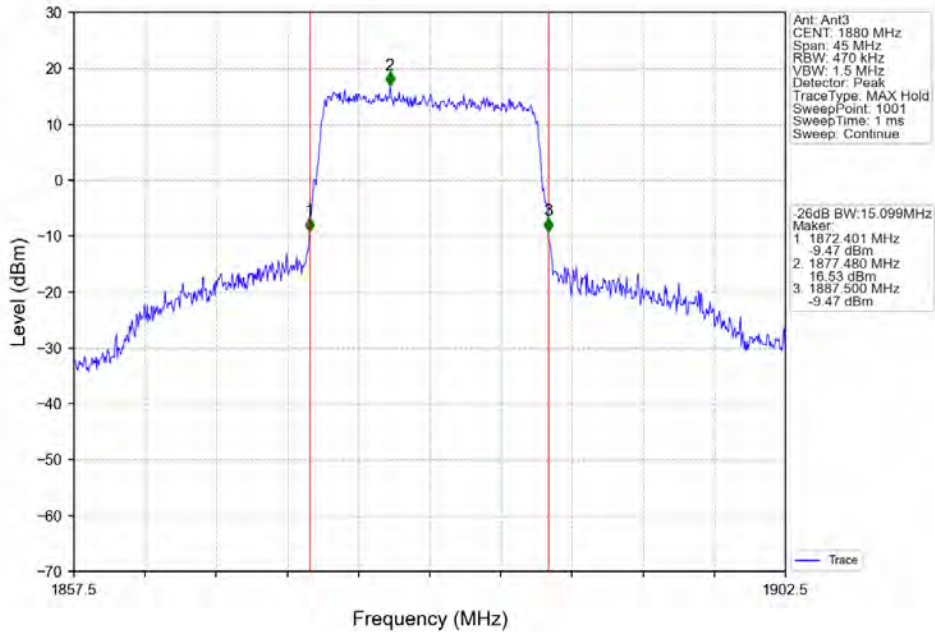
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Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



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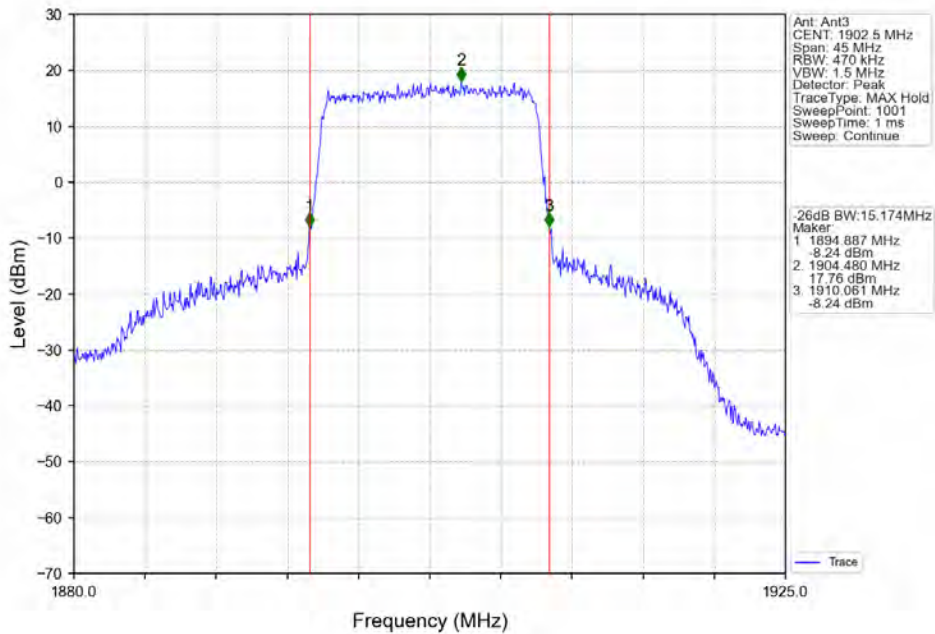
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Band2 15MHz 16QAM HCH 1902.5MHz RB 75\_0 NTN



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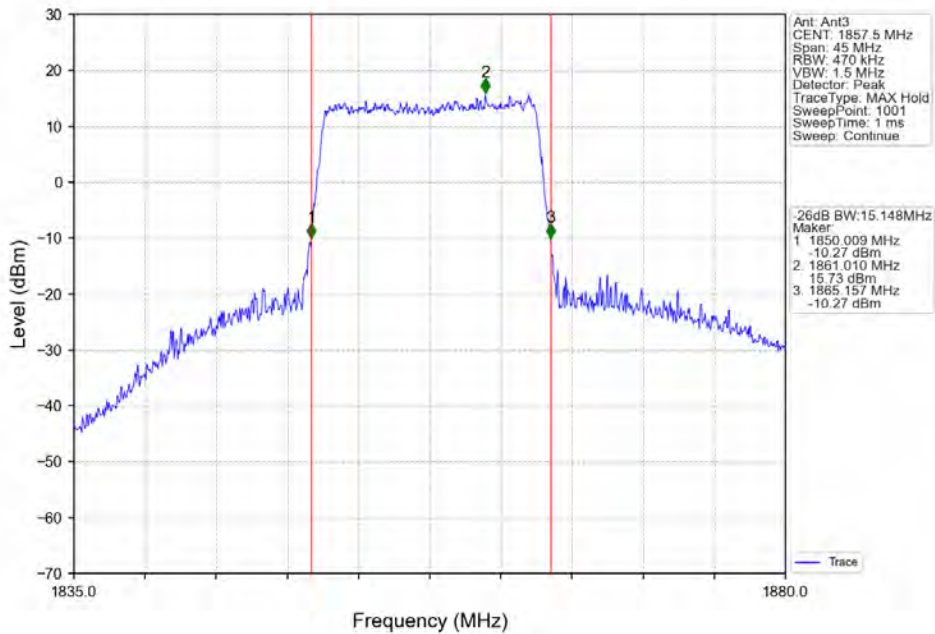


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Band2\_15MHz\_64QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



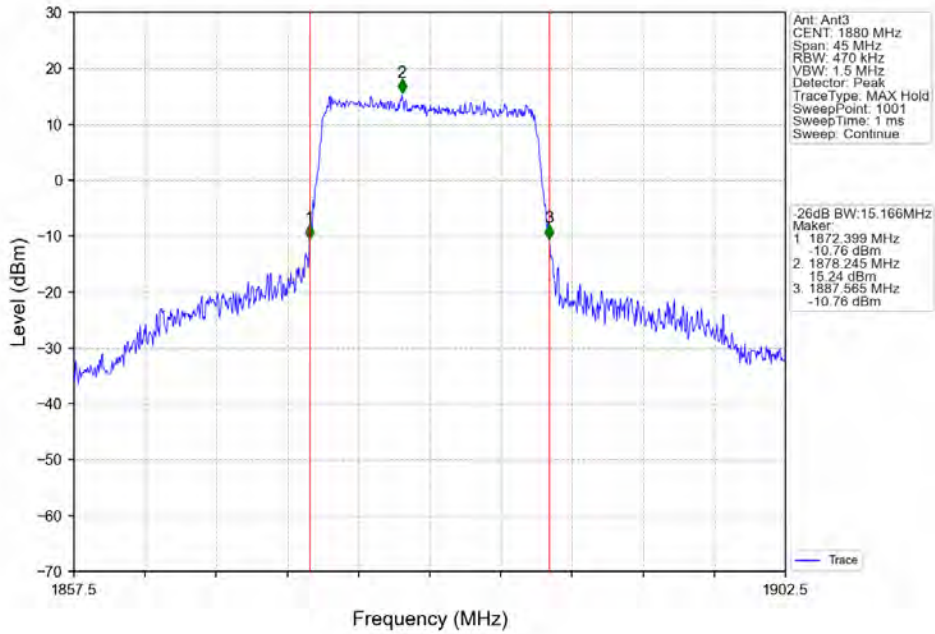
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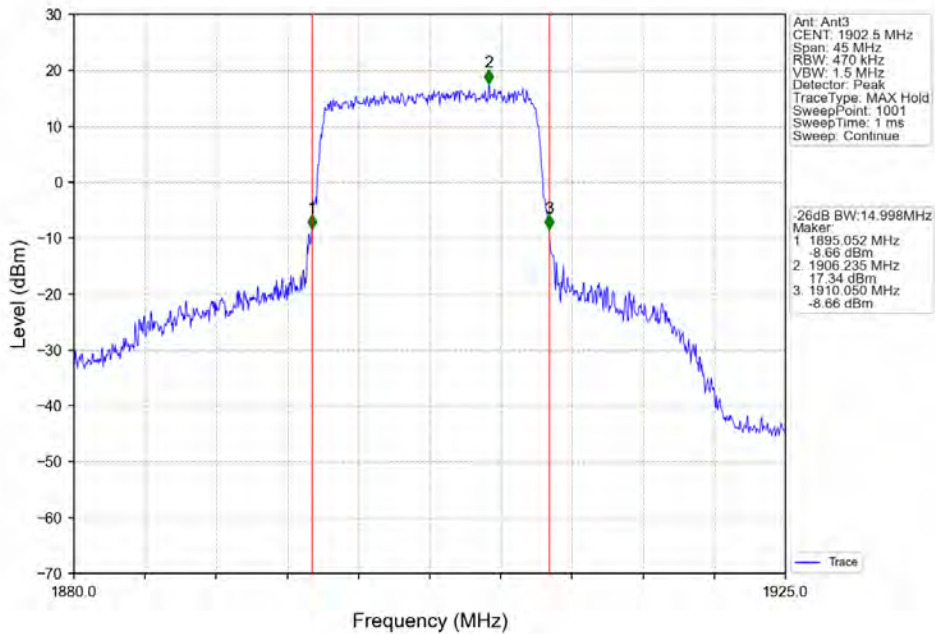


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Band2 15MHz\_64QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV

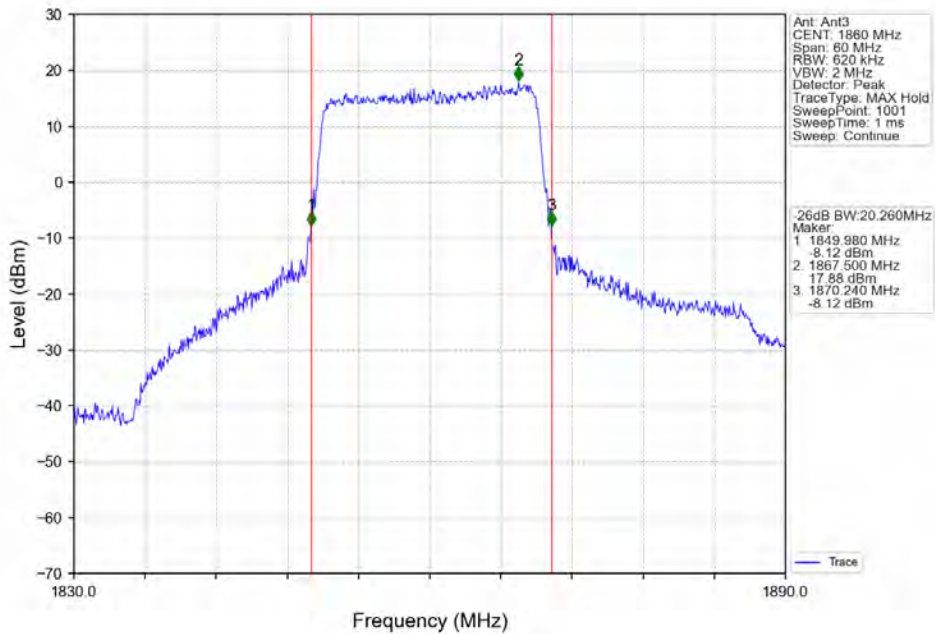


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Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



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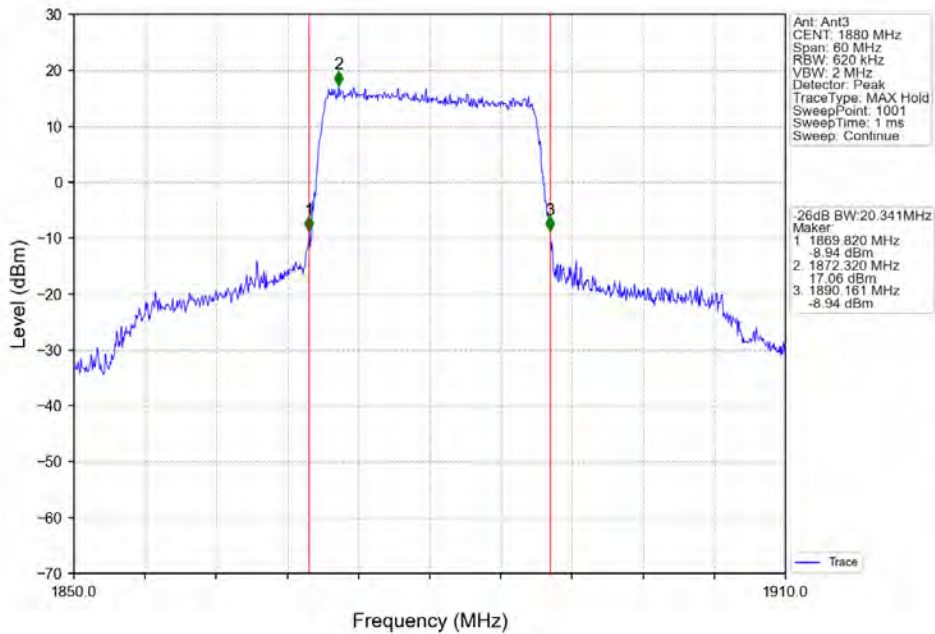


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Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



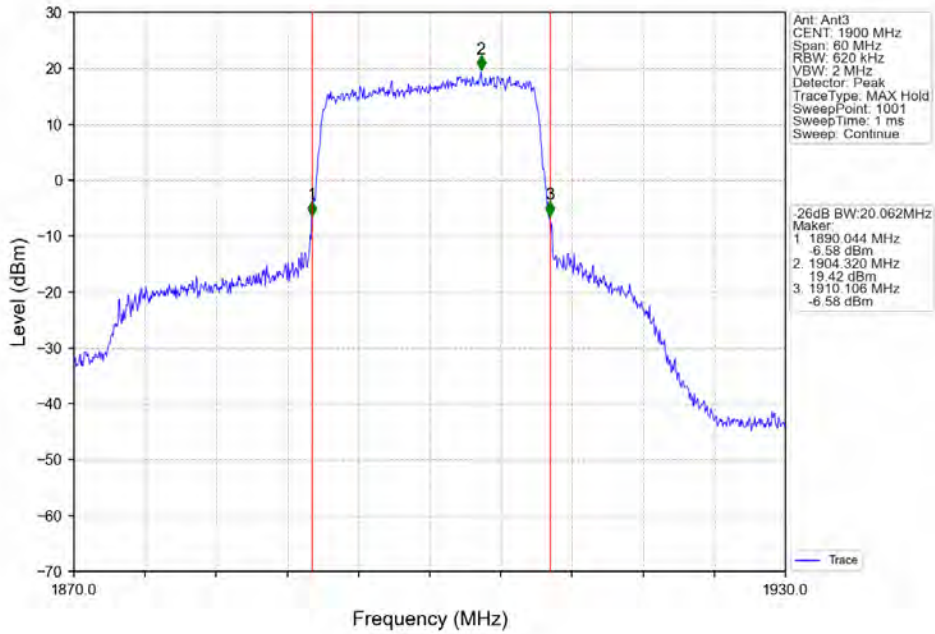
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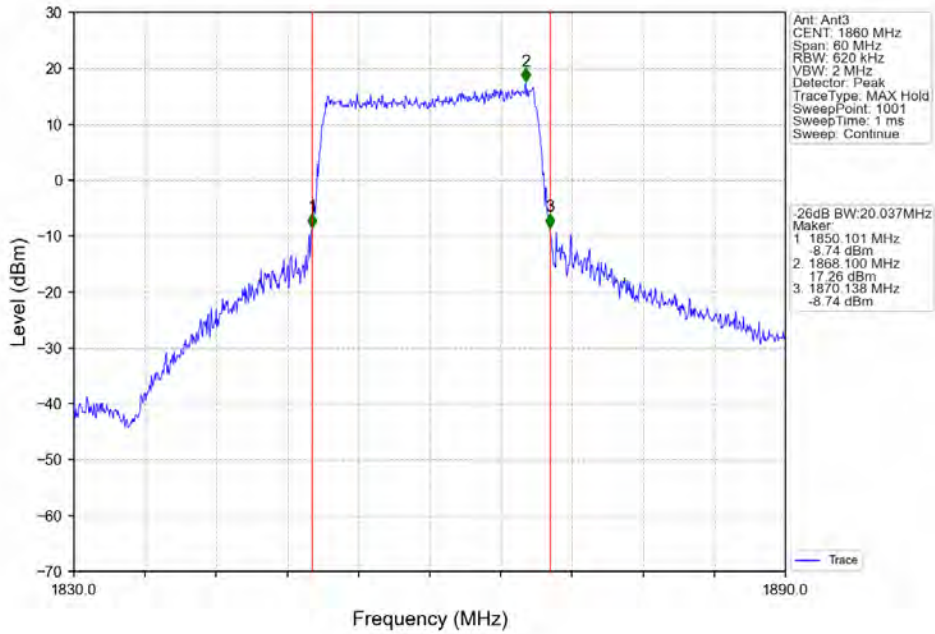


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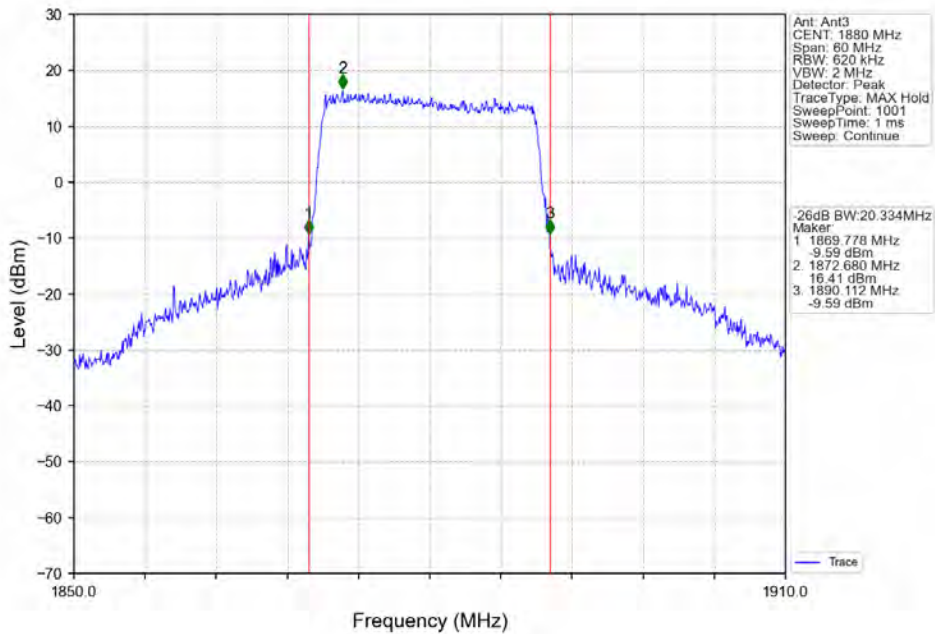


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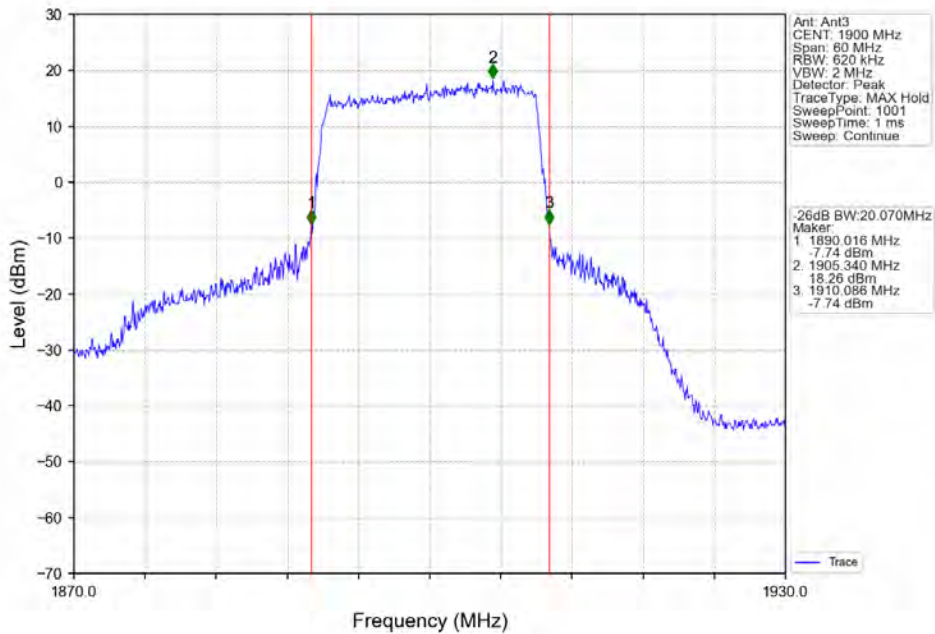
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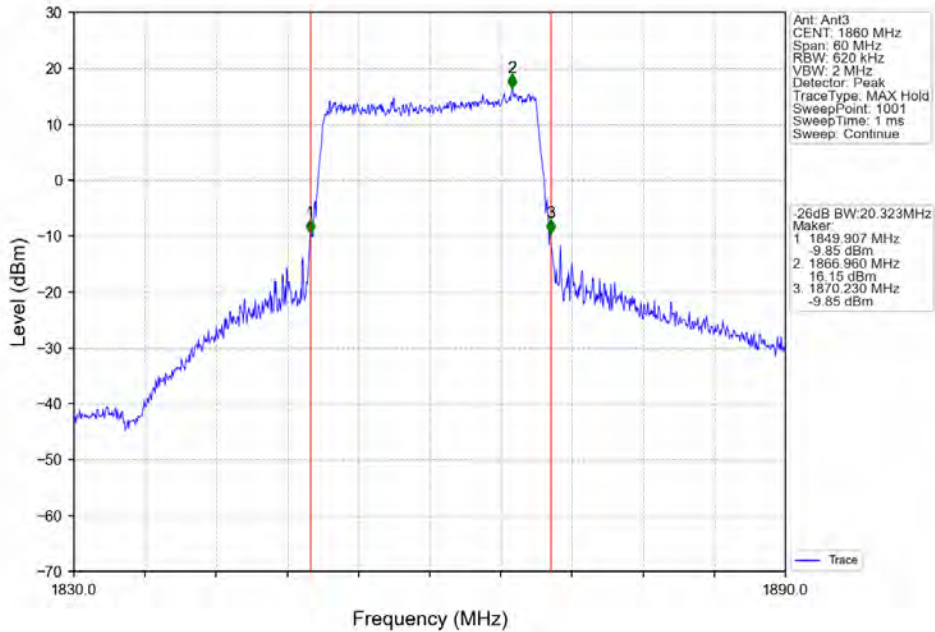


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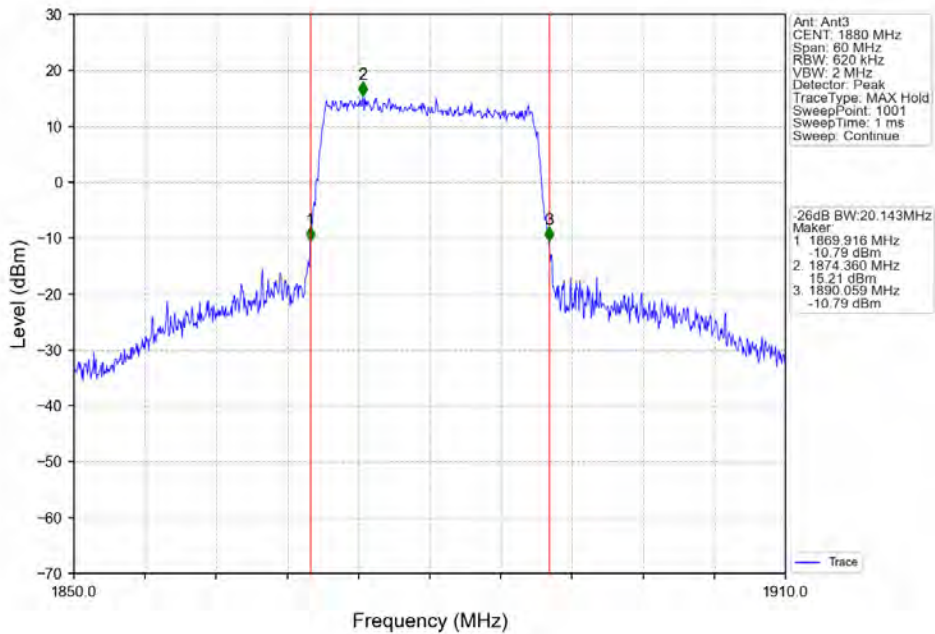


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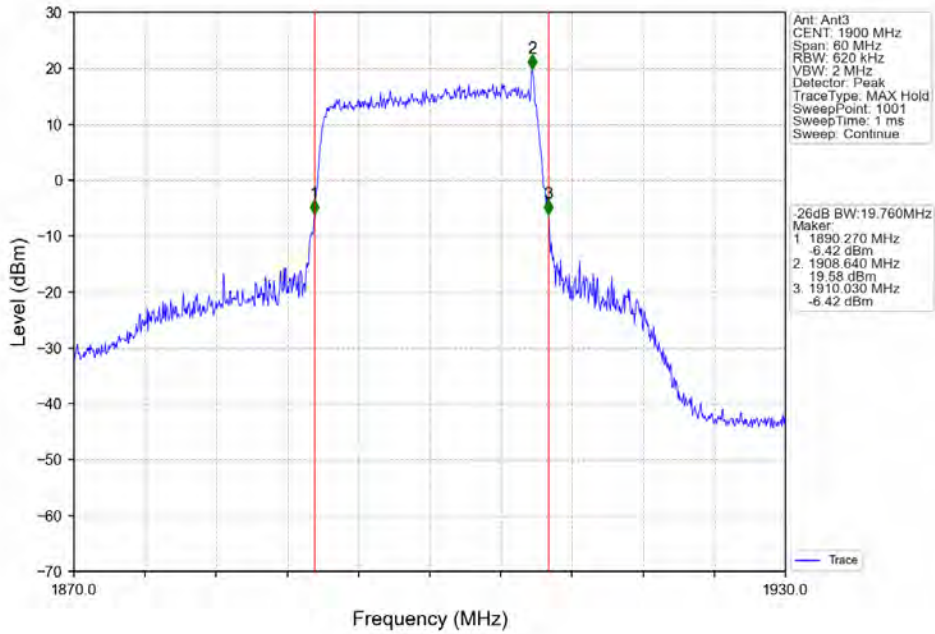


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## 4. Peak-Average Ratio

### 4.1 B2\_1.4MHz

#### 4.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	4.55	<=13	Pass
	1880	6	0	4.31	<=13	Pass
	1909.3	6	0	4.08	<=13	Pass
16QAM	1850.7	6	0	5.46	<=13	Pass
	1880	6	0	5.24	<=13	Pass
	1909.3	6	0	4.98	<=13	Pass
64QAM	1850.7	6	0	6.08	<=13	Pass
	1880	6	0	5.90	<=13	Pass
	1909.3	6	0	5.60	<=13	Pass

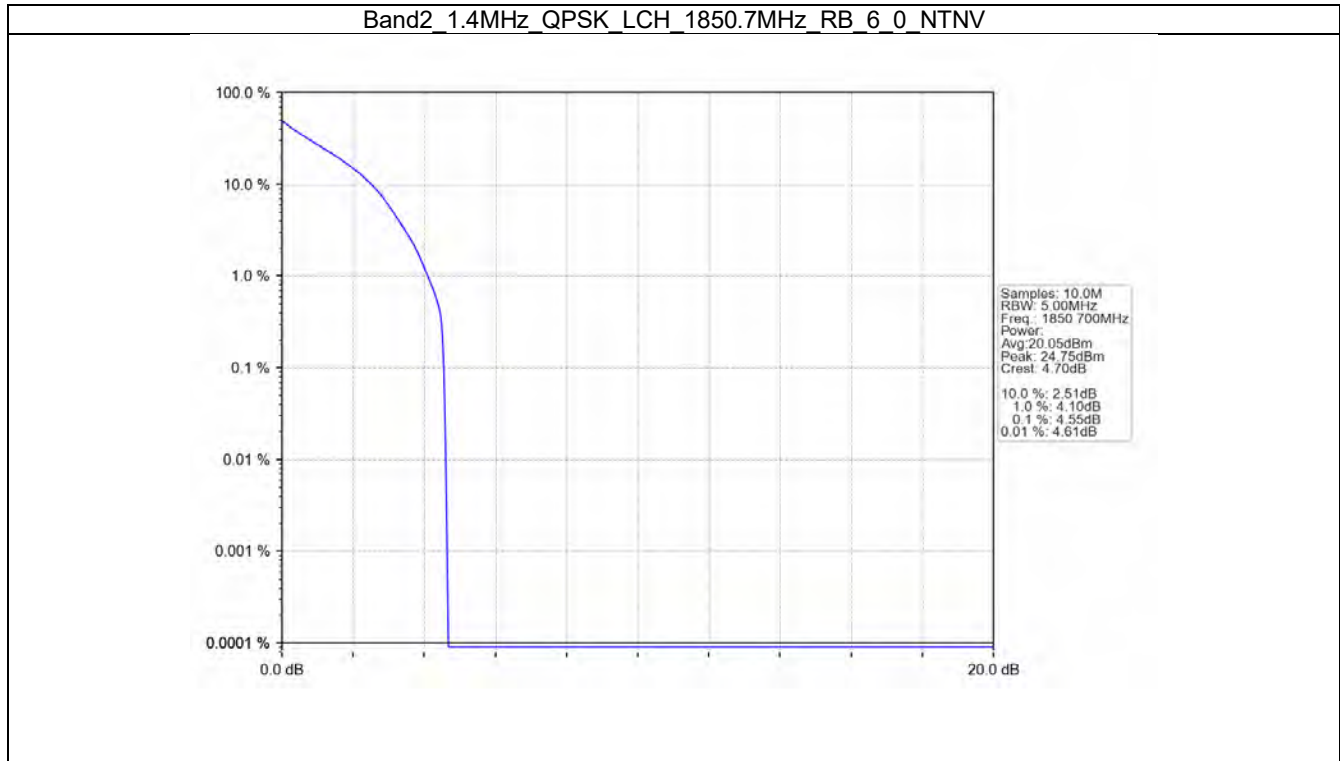


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4.1.2 Test Graph

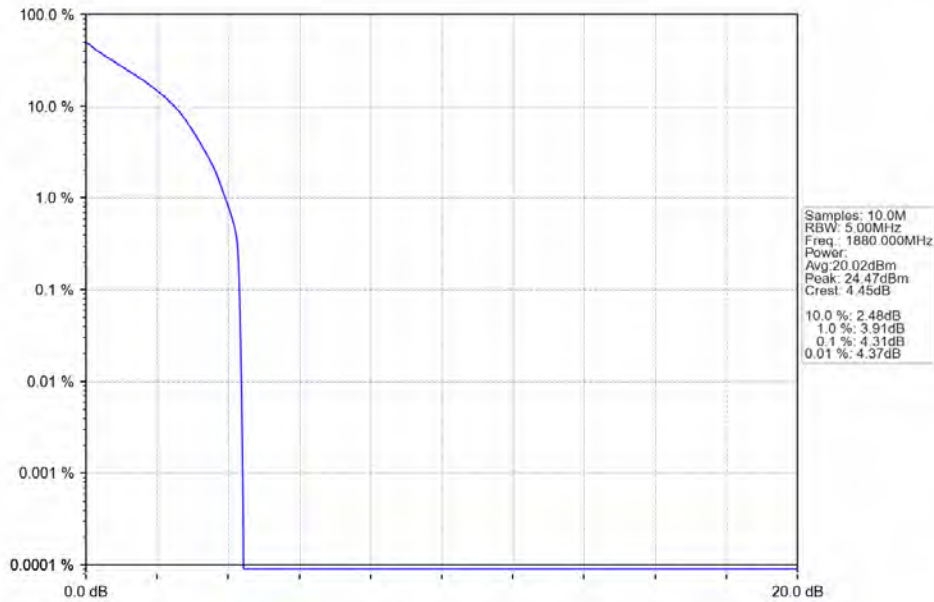


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Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_6\_0\_NTNV



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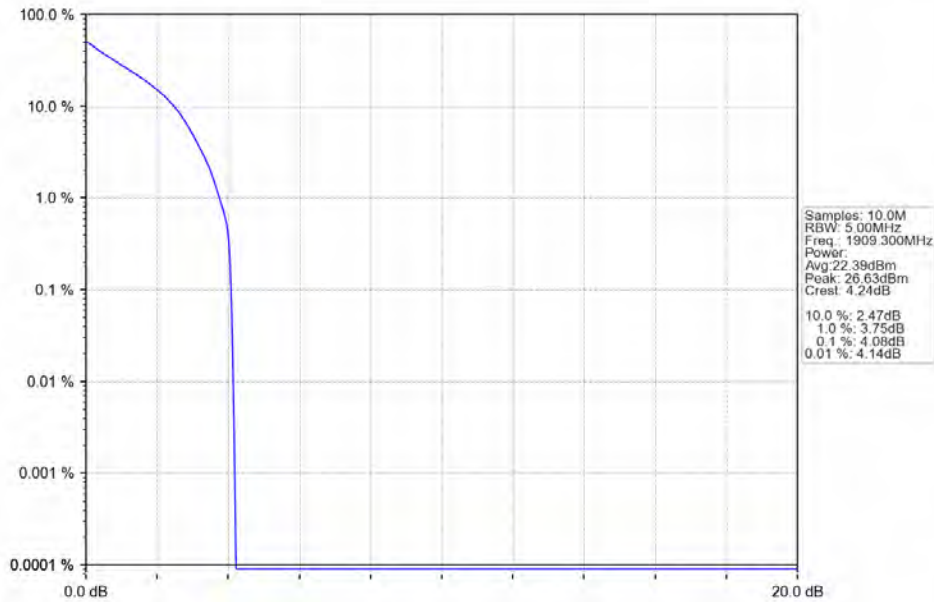
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Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



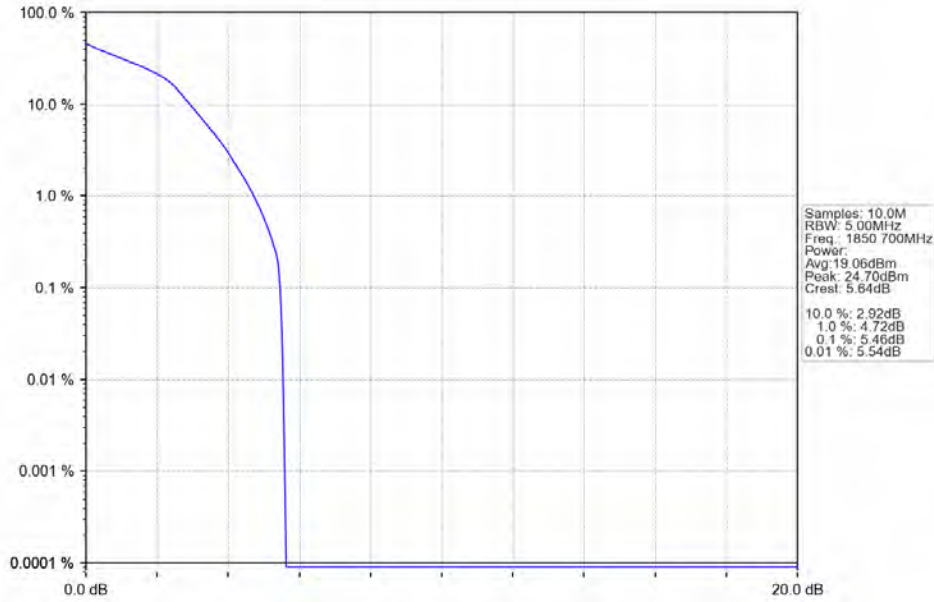
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Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

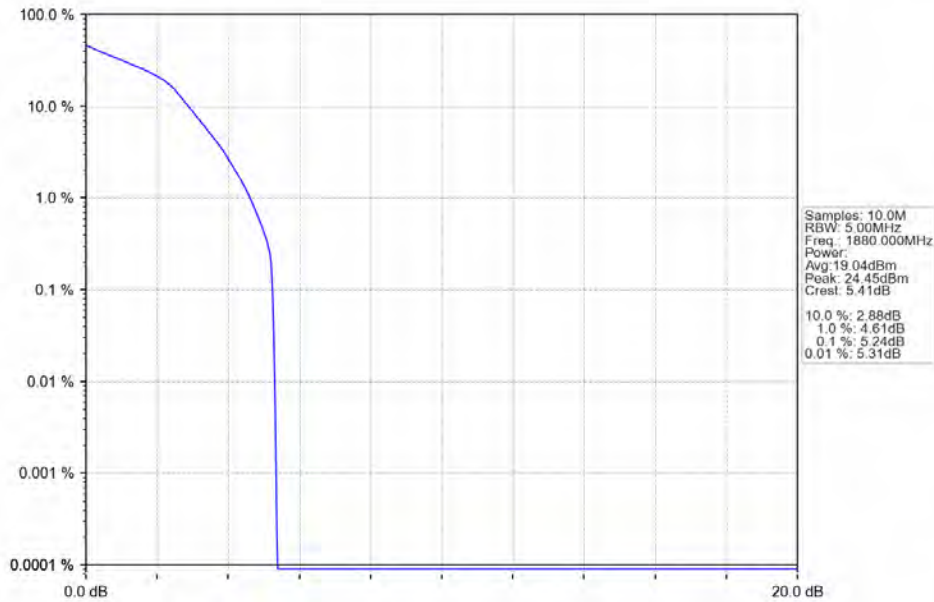


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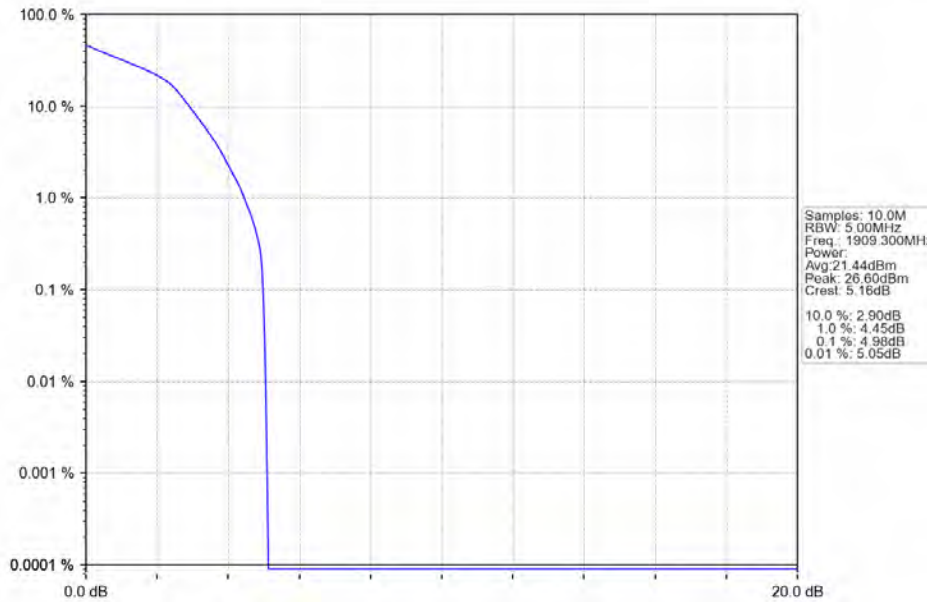
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Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV

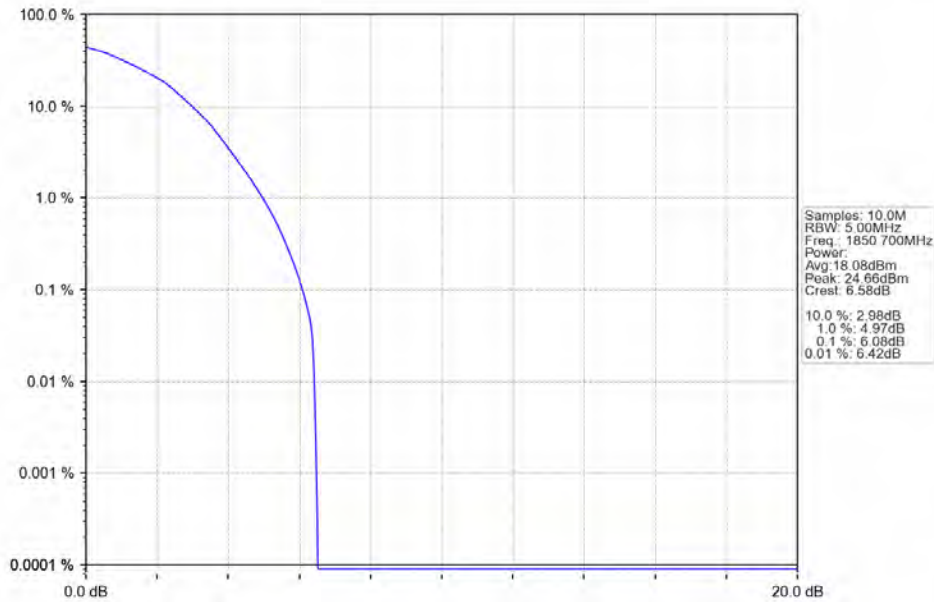


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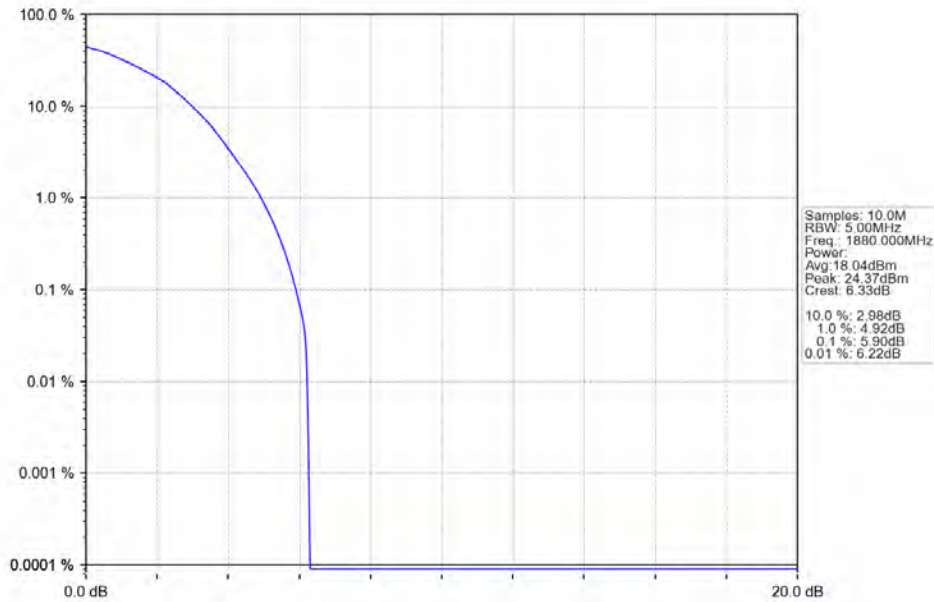


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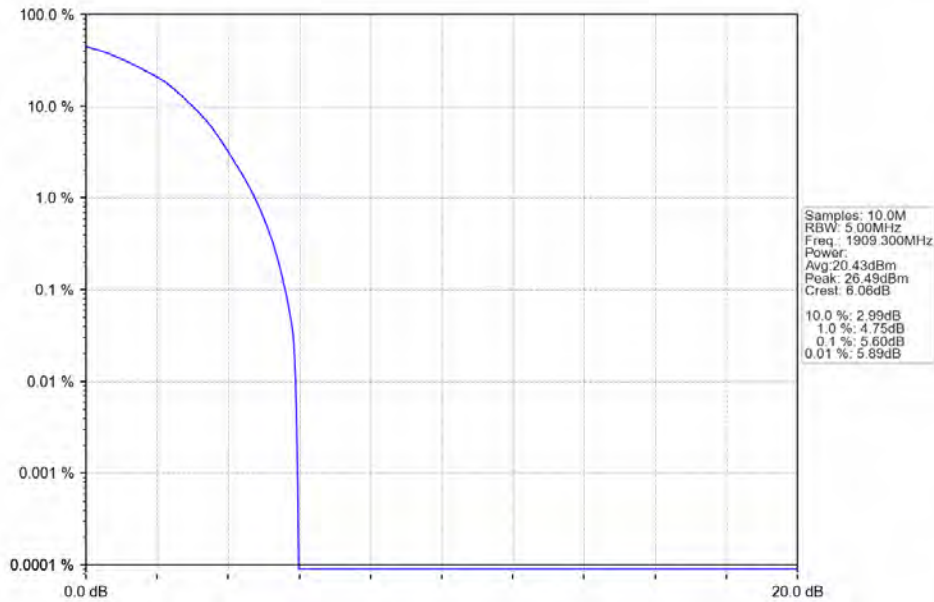
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## 4.2 B2\_3MHz

### 4.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	4.72	<=13	Pass
	1880	15	0	4.48	<=13	Pass
	1908.5	15	0	4.17	<=13	Pass
16QAM	1851.5	15	0	5.61	<=13	Pass
	1880	15	0	5.36	<=13	Pass
	1908.5	15	0	5.06	<=13	Pass
64QAM	1851.5	15	0	6.15	<=13	Pass
	1880	15	0	5.96	<=13	Pass
	1908.5	15	0	5.71	<=13	Pass

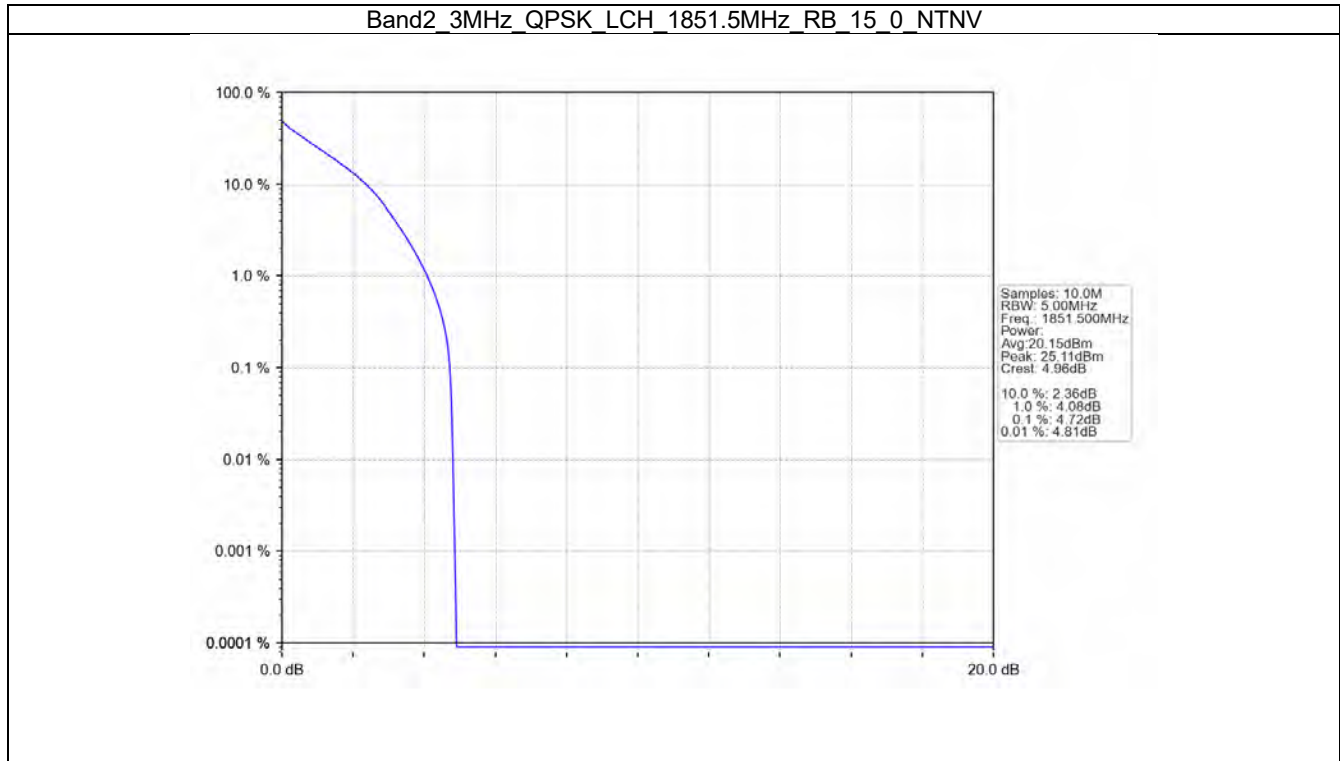


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4.2.2 Test Graph



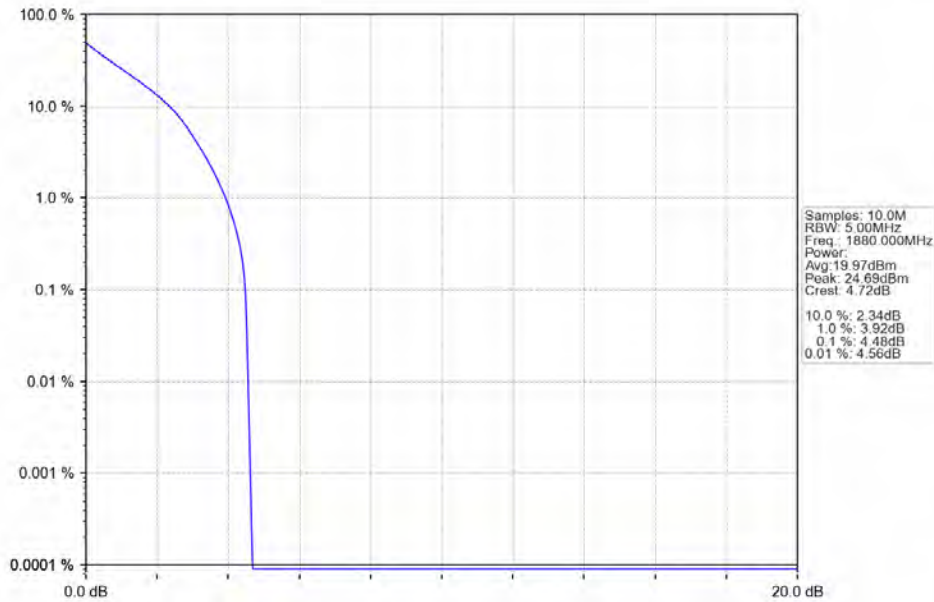
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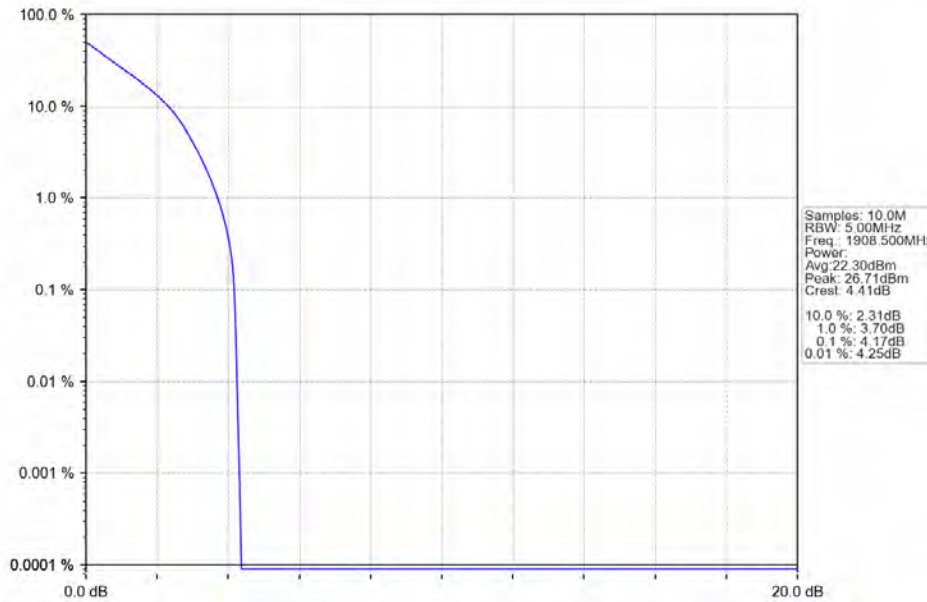
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Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



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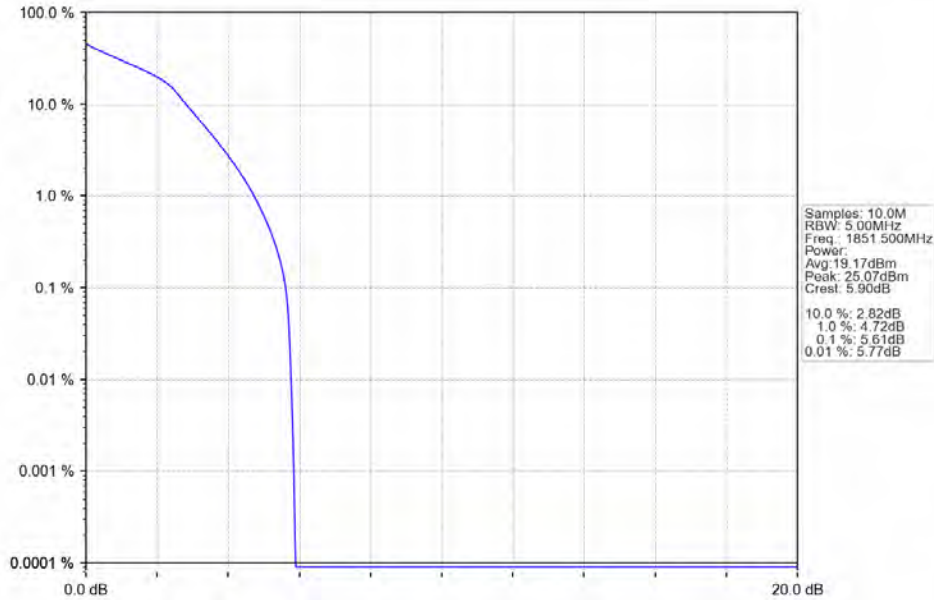
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Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



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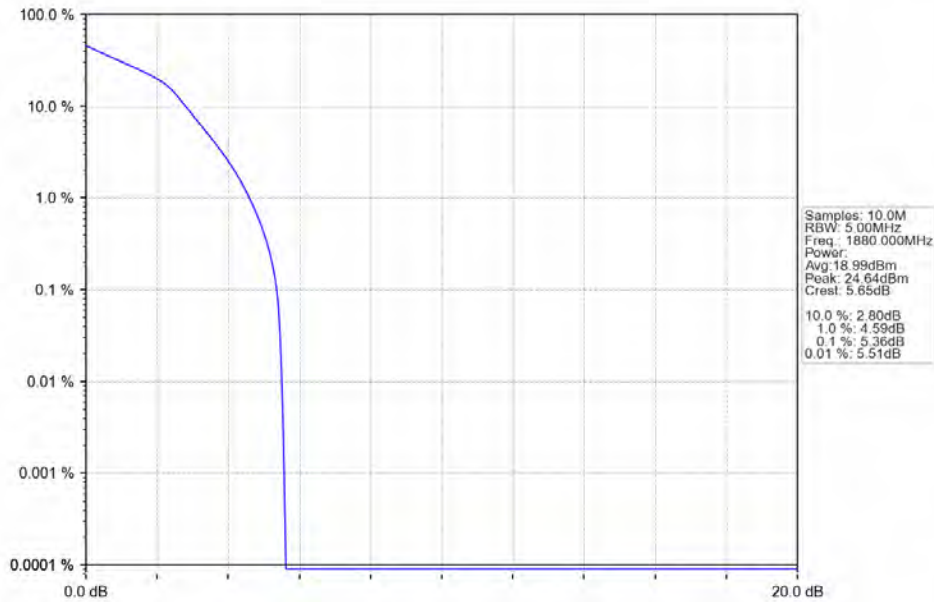
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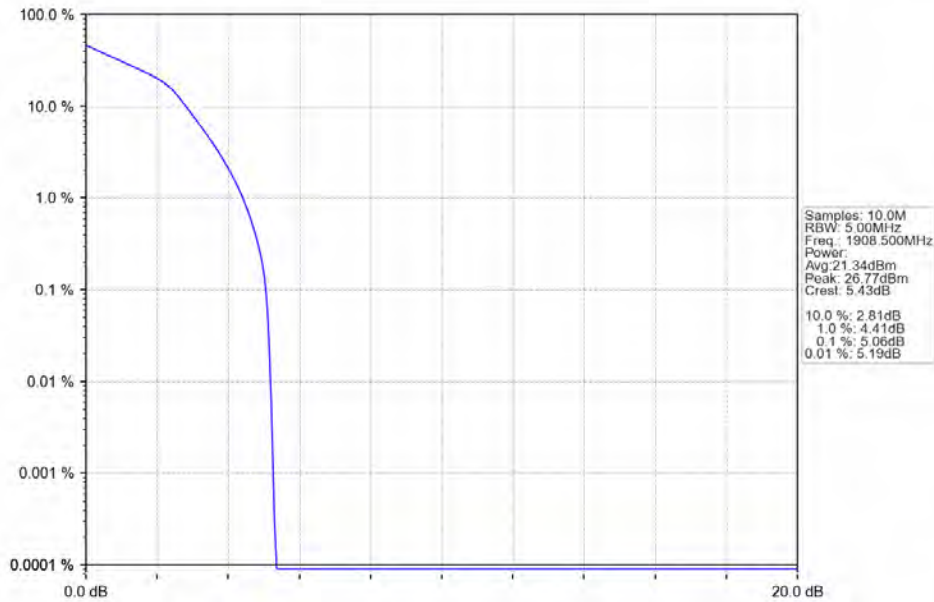


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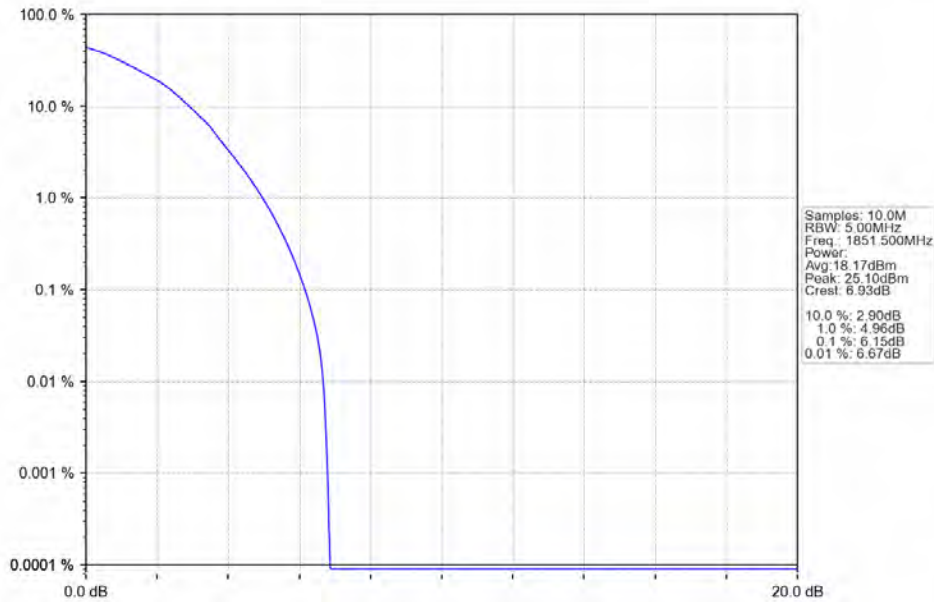
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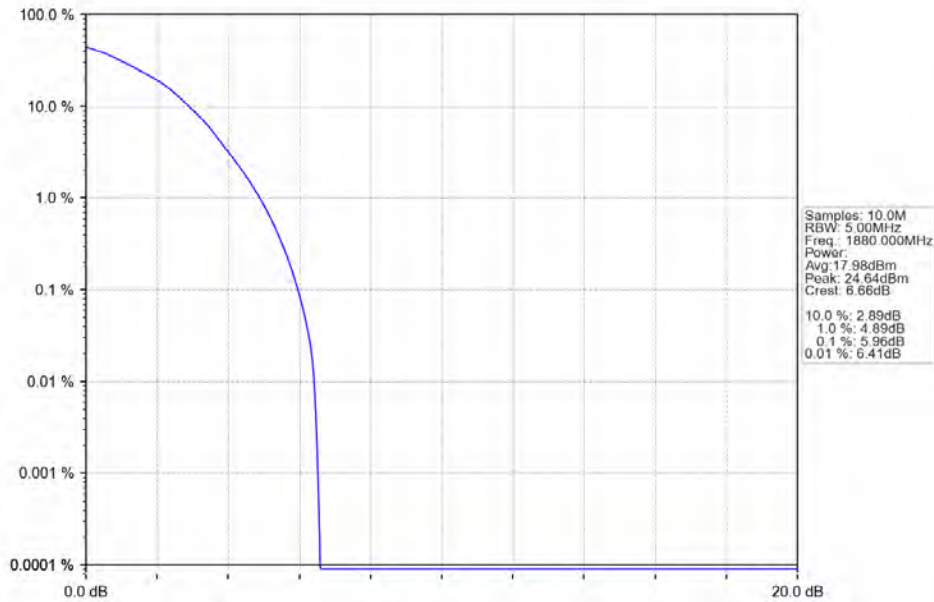
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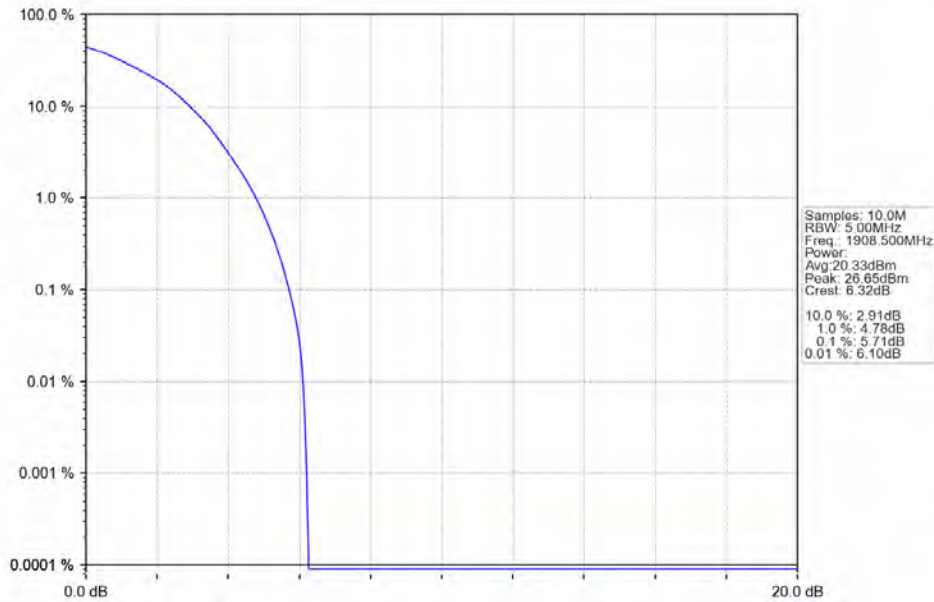


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### 4.3 B2\_5MHz

#### 4.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.08	<=13	Pass
	1880	25	0	4.88	<=13	Pass
	1907.5	25	0	4.60	<=13	Pass
16QAM	1852.5	25	0	5.88	<=13	Pass
	1880	25	0	5.66	<=13	Pass
	1907.5	25	0	5.40	<=13	Pass
64QAM	1852.5	25	0	6.27	<=13	Pass
	1880	25	0	6.09	<=13	Pass
	1907.5	25	0	5.90	<=13	Pass

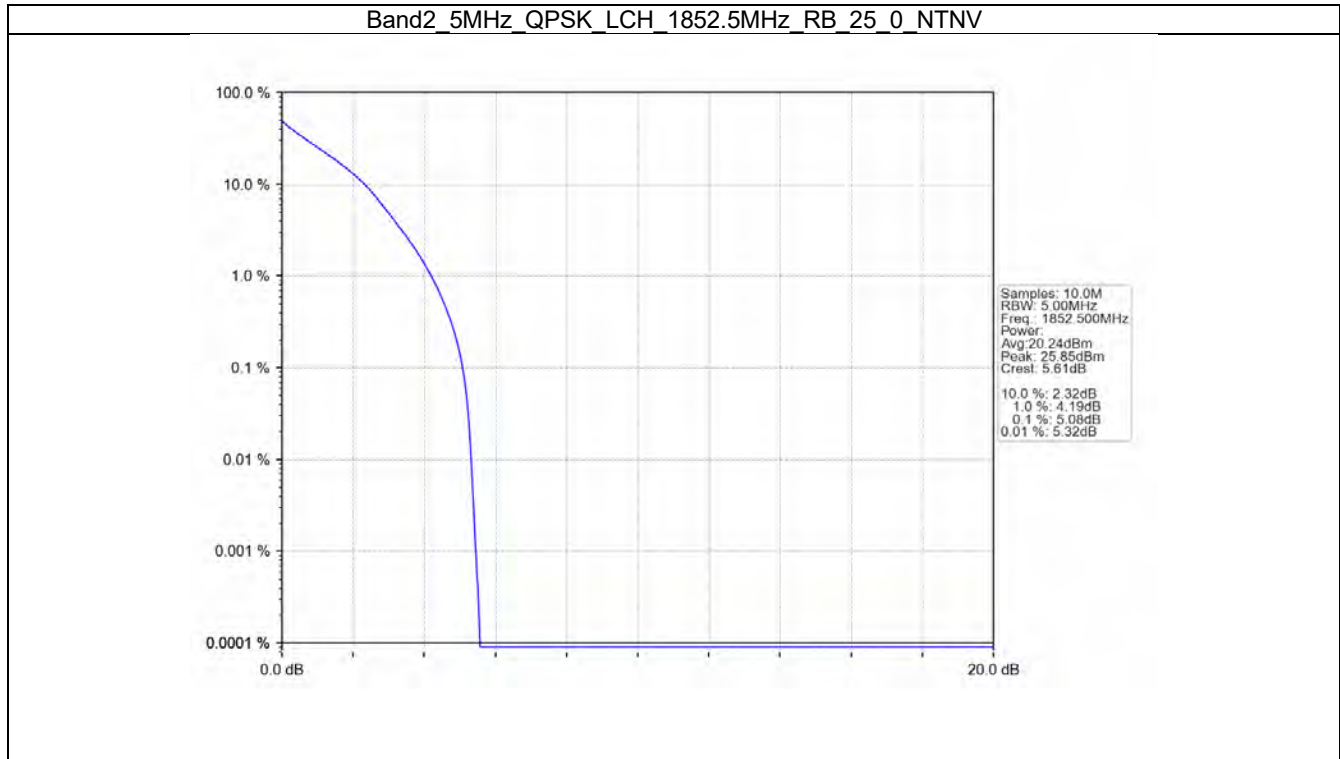


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4.3.2 Test Graph

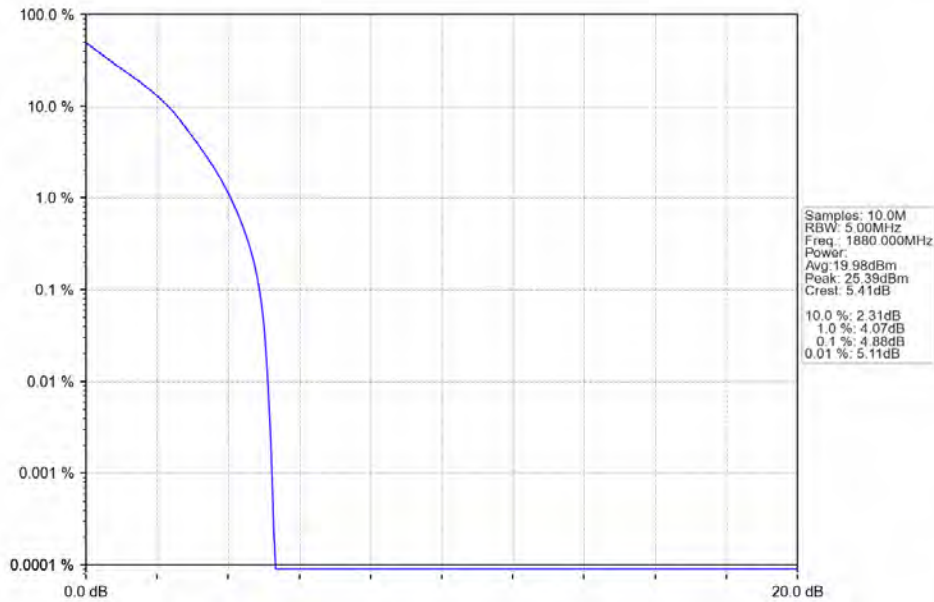


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Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV



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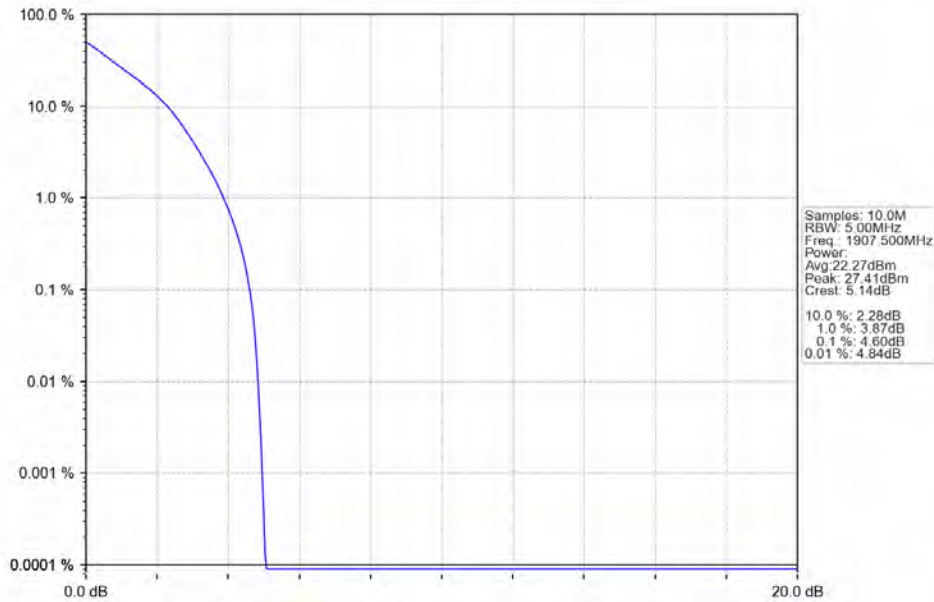
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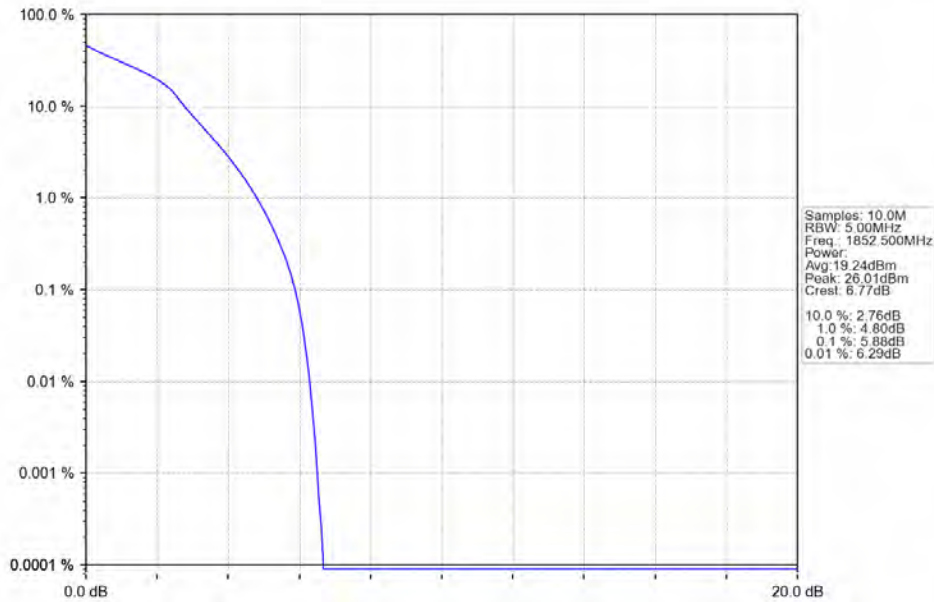


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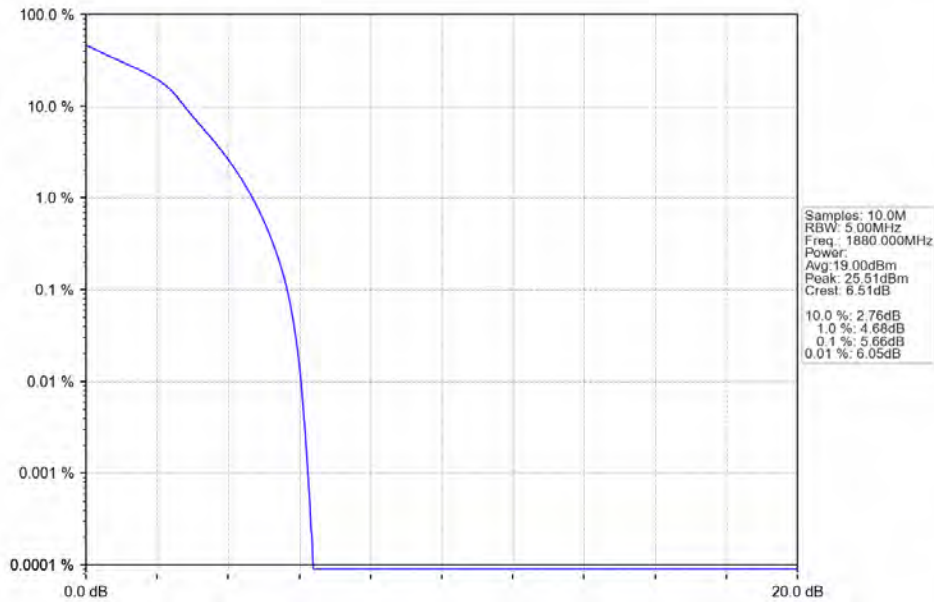
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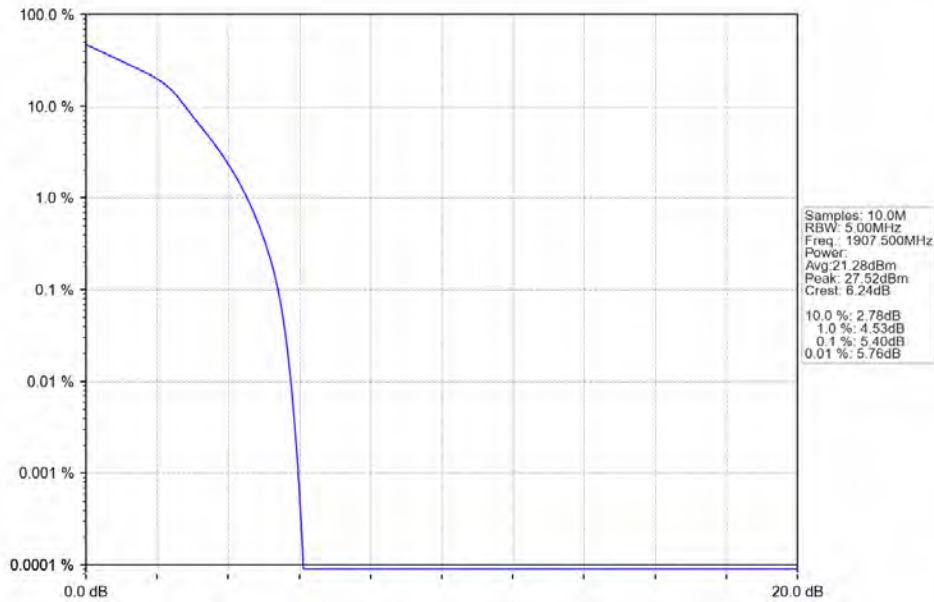
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Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



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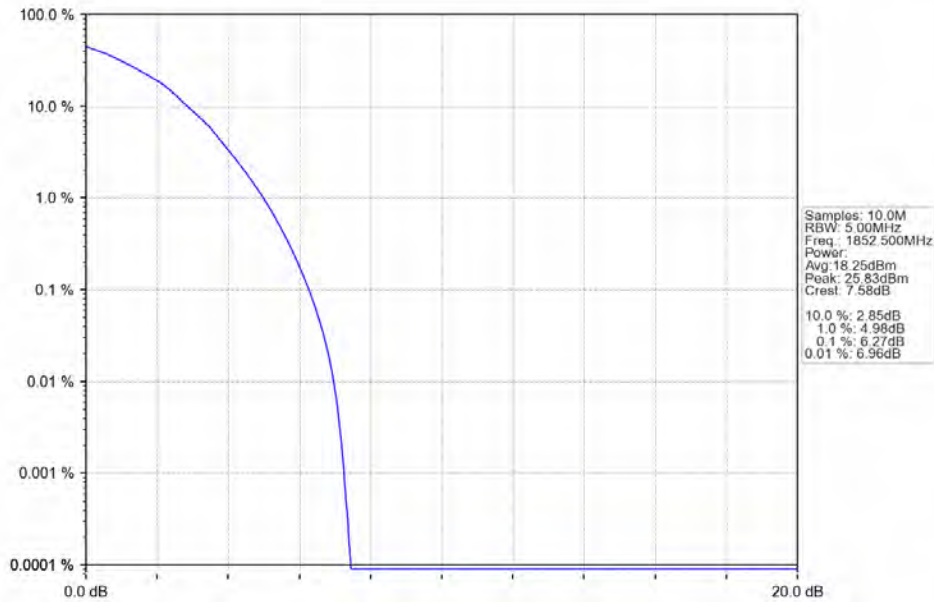
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Band2\_5MHz\_64QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



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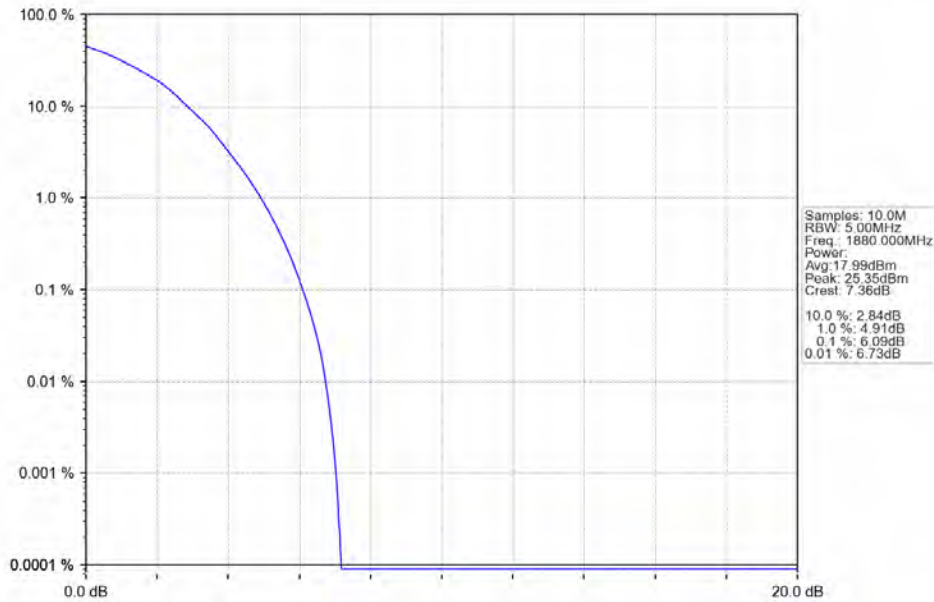


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Band2\_5MHz\_64QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV

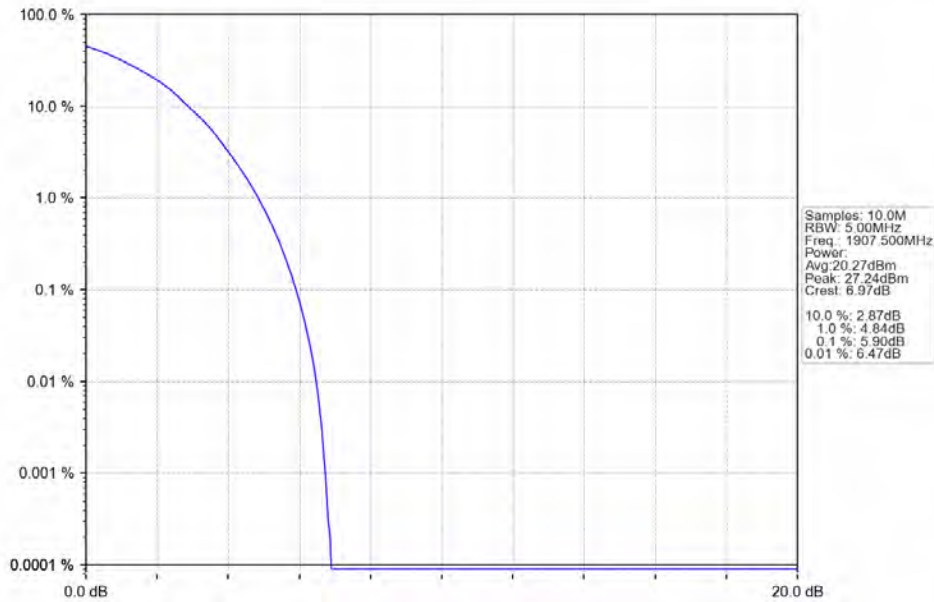


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## 4.4 B2\_10MHz

### 4.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.23	<=13	Pass
	1880	50	0	4.98	<=13	Pass
	1905	50	0	4.75	<=13	Pass
16QAM	1855	50	0	5.97	<=13	Pass
	1880	50	0	5.72	<=13	Pass
	1905	50	0	5.52	<=13	Pass
64QAM	1855	50	0	6.33	<=13	Pass
	1880	50	0	6.14	<=13	Pass
	1905	50	0	5.99	<=13	Pass

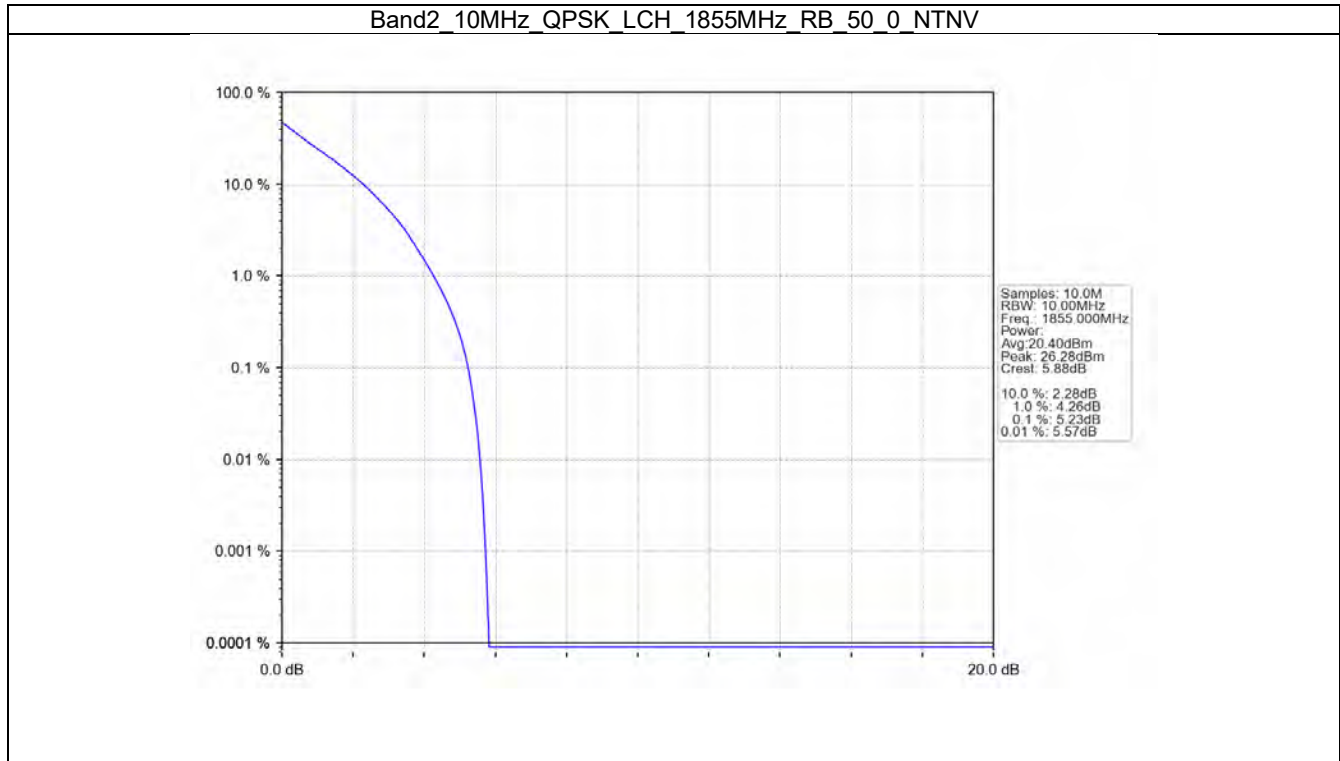


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4.4.2 Test Graph



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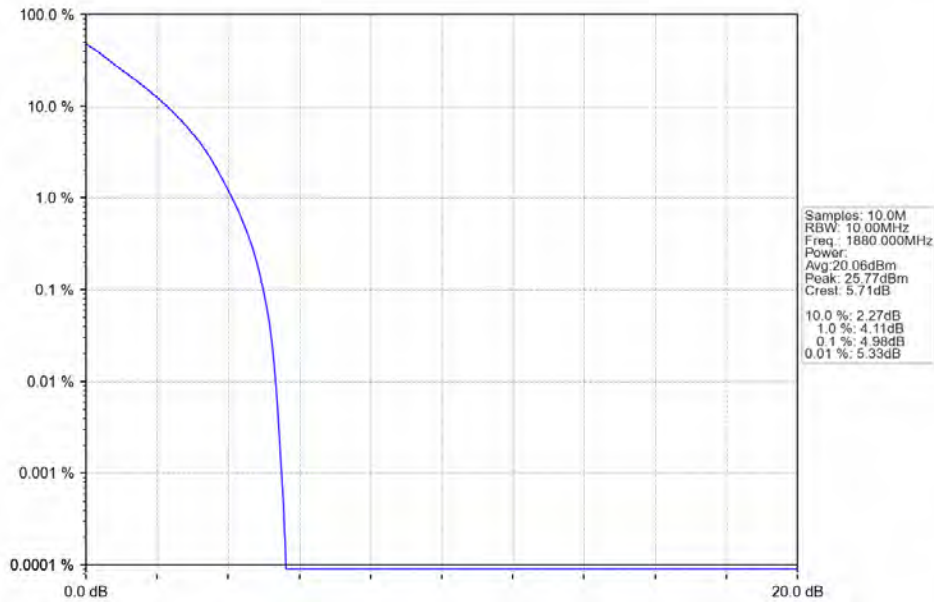


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Band2 10MHz\_QPSK\_MCH\_1880MHz\_RB\_50\_0\_NTNV

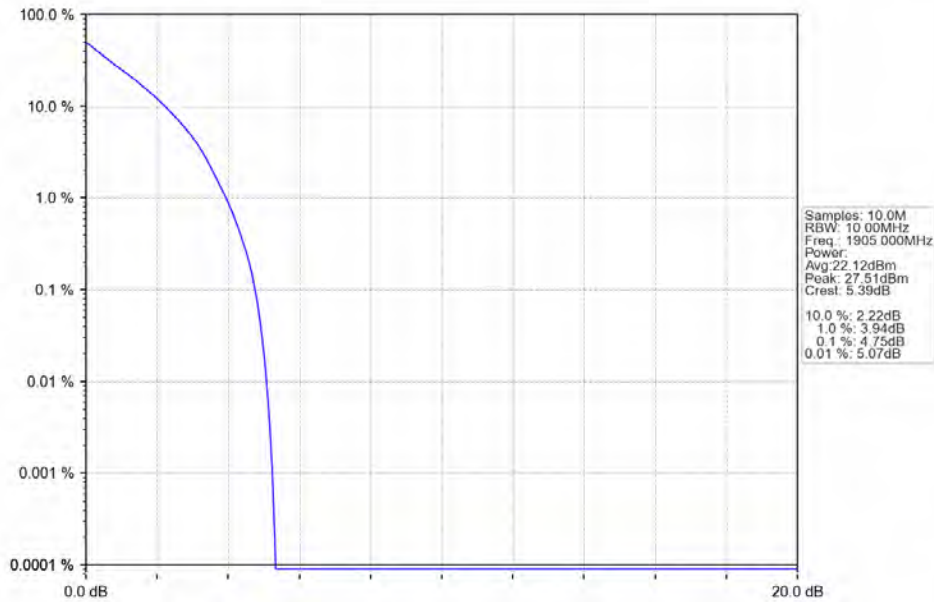


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Band2\_10MHz\_QPSK\_HCH\_1905MHz\_RB\_50\_0\_NTNV

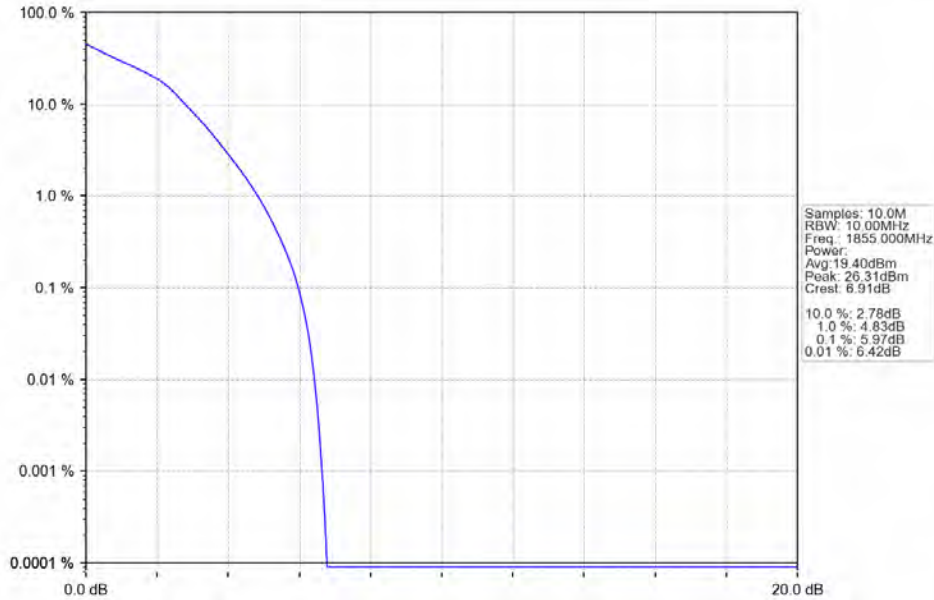


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Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



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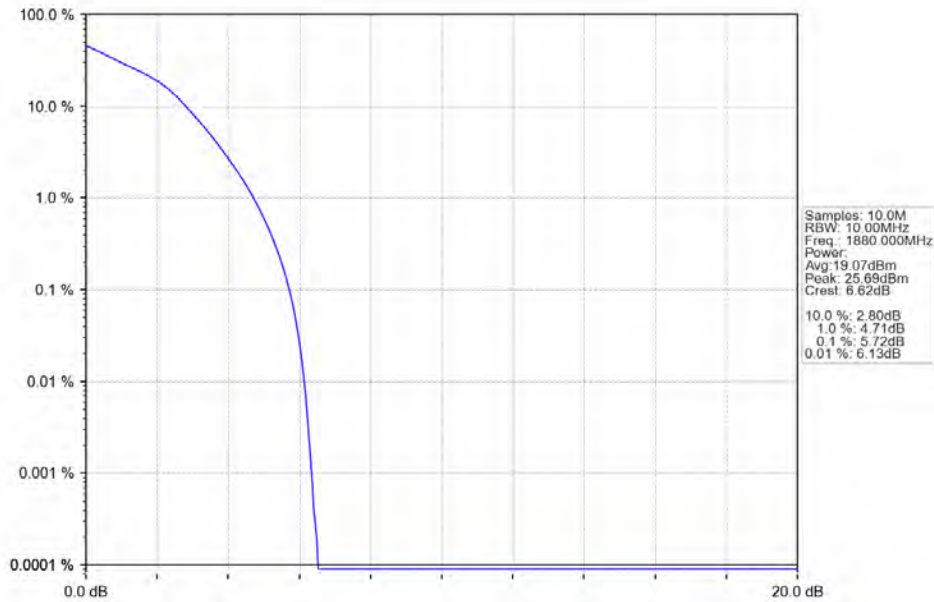
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Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



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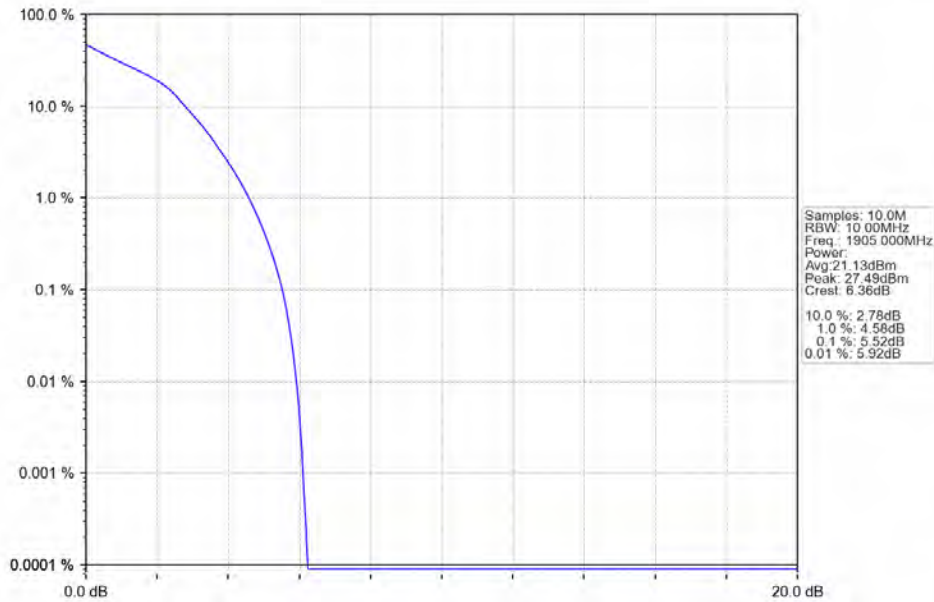


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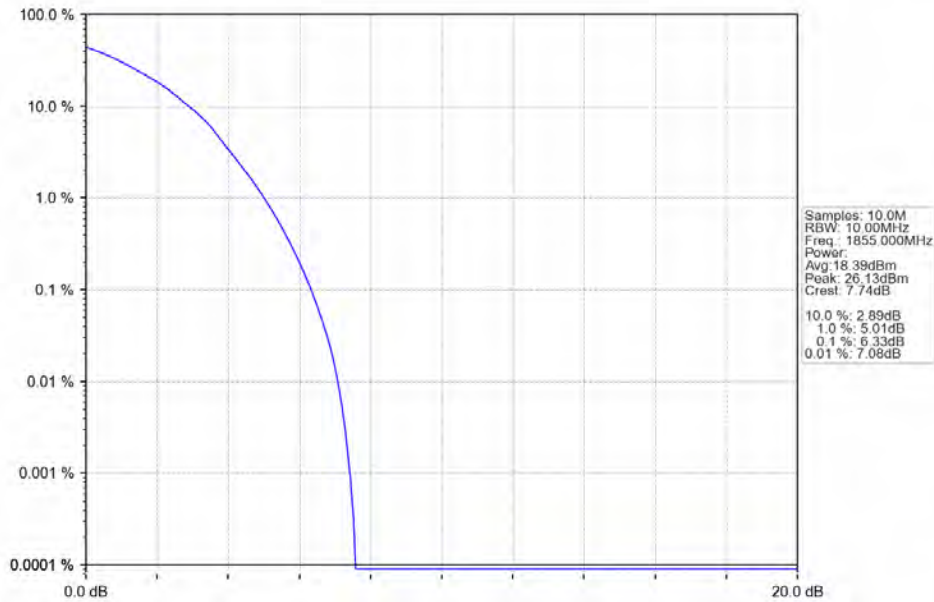


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Band2\_10MHz\_64QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



Samples: 10.0M  
 RBW: 10.00MHz  
 Freq.: 1855.000MHz  
 Power:  
 Avg: 18.39dBm  
 Peak: 26.13dBm  
 Crest: 7.74dB

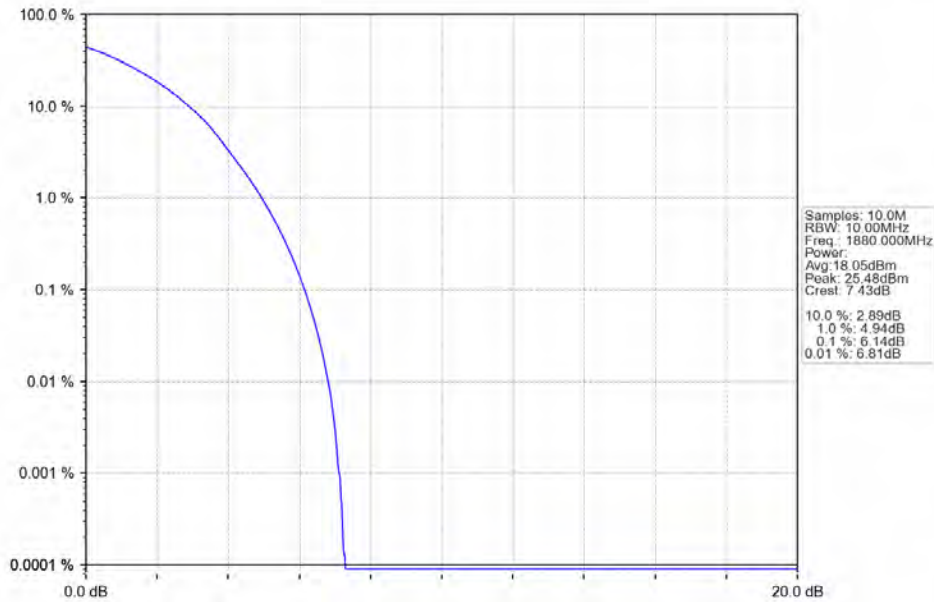


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Band2\_10MHz\_64QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV

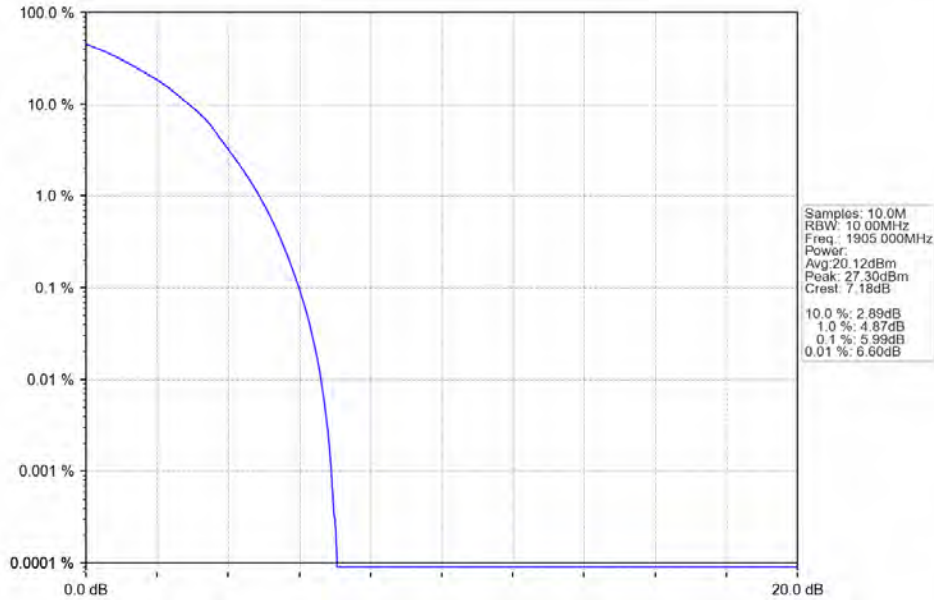


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Band2\_10MHz\_64QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



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## 4.5 B2\_15MHz

### 4.5.1 Test Result

Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.27	<=13	Pass
	1880	75	0	4.92	<=13	Pass
	1902.5	75	0	4.75	<=13	Pass
16QAM	1857.5	75	0	6.03	<=13	Pass
	1880	75	0	5.69	<=13	Pass
	1902.5	75	0	5.53	<=13	Pass
64QAM	1857.5	75	0	6.40	<=13	Pass
	1880	75	0	6.13	<=13	Pass
	1902.5	75	0	6.00	<=13	Pass

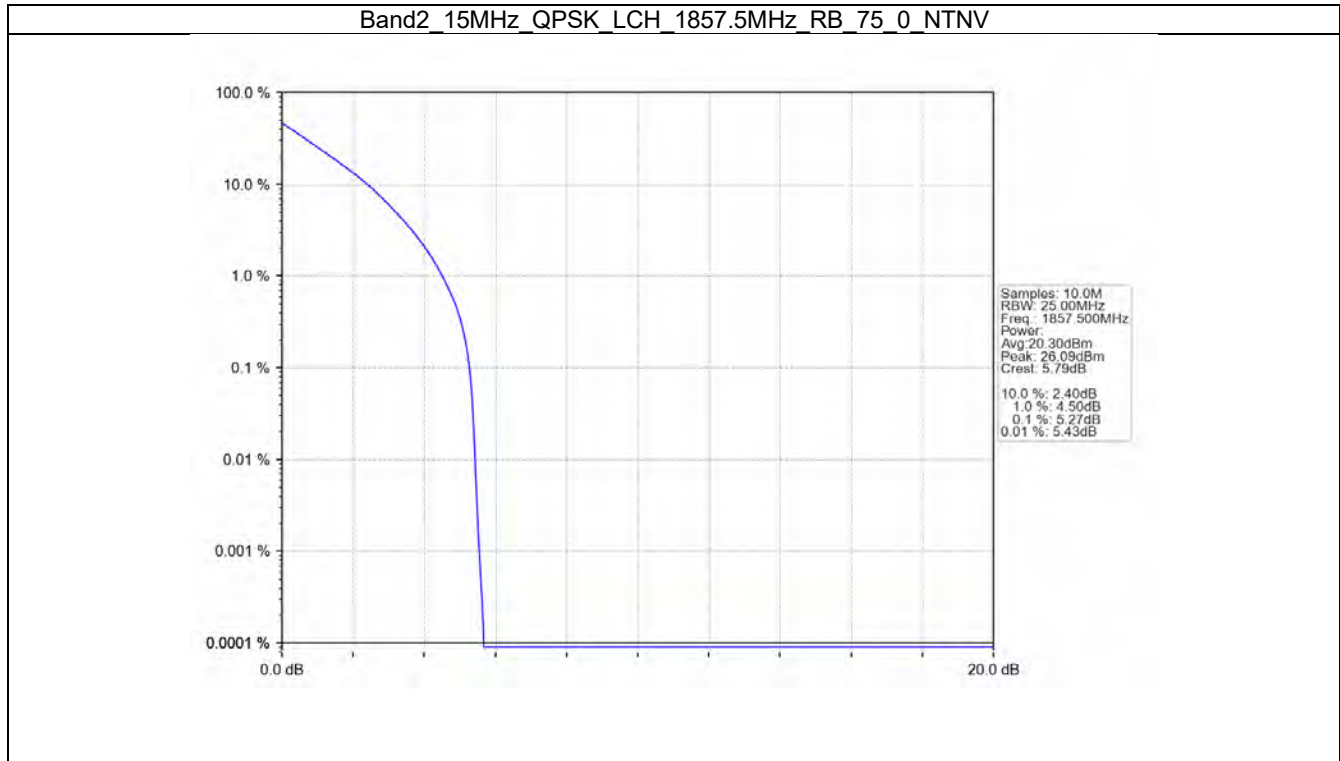


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4.5.2 Test Graph



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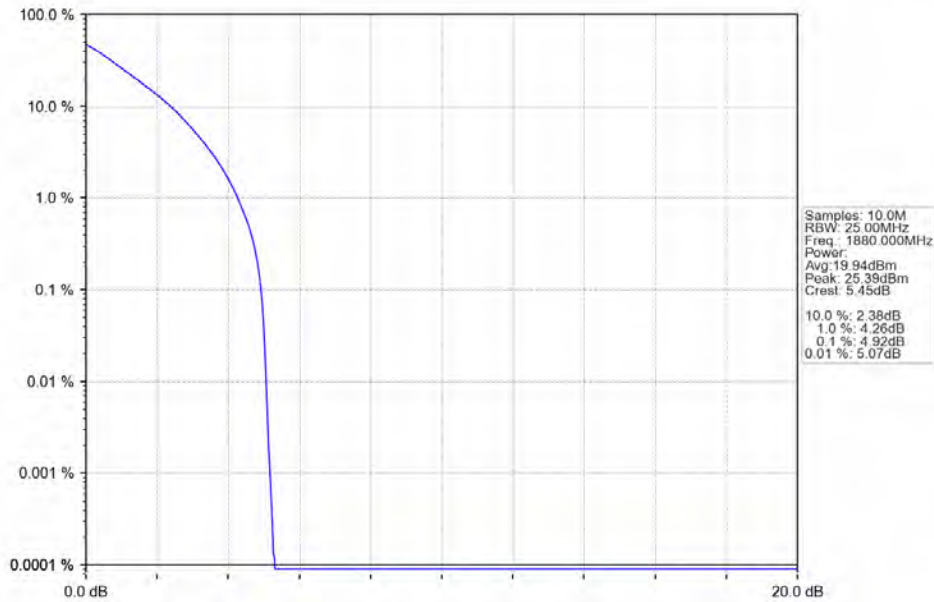
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Band2 15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV

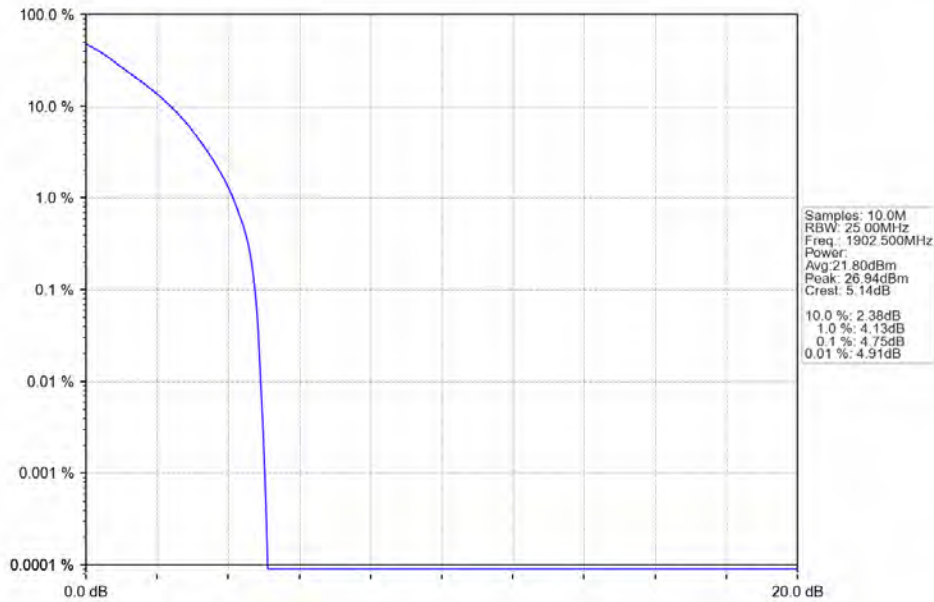


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Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



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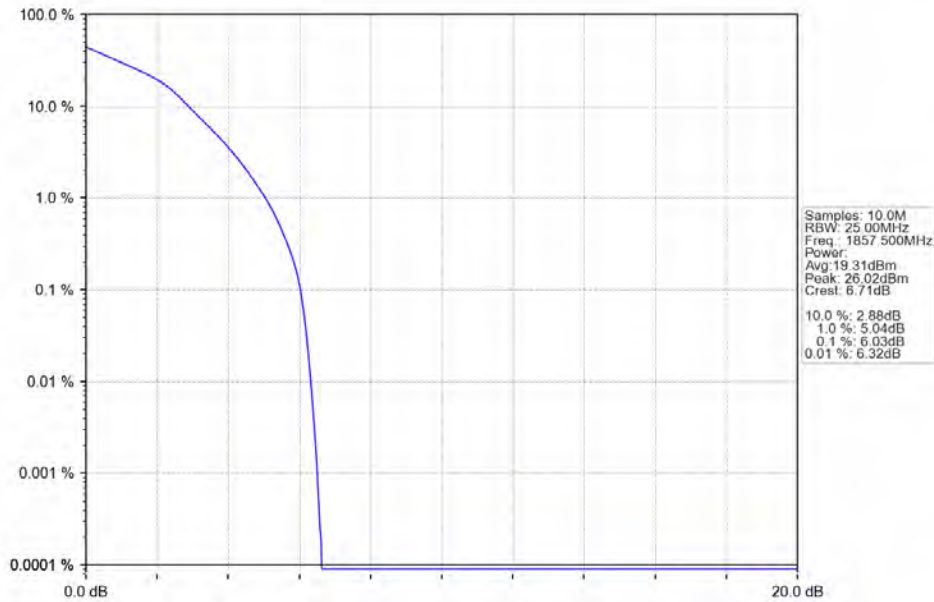


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Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



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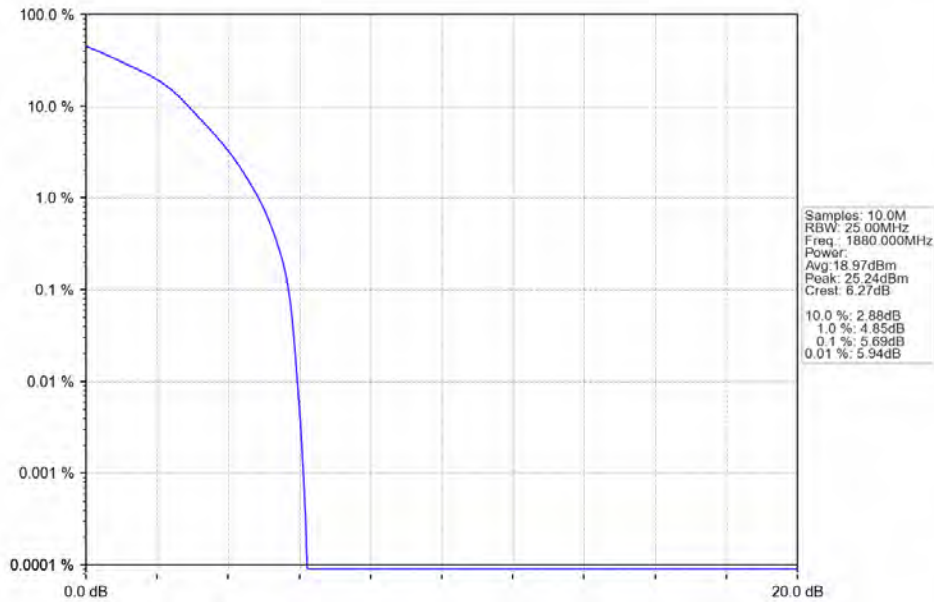
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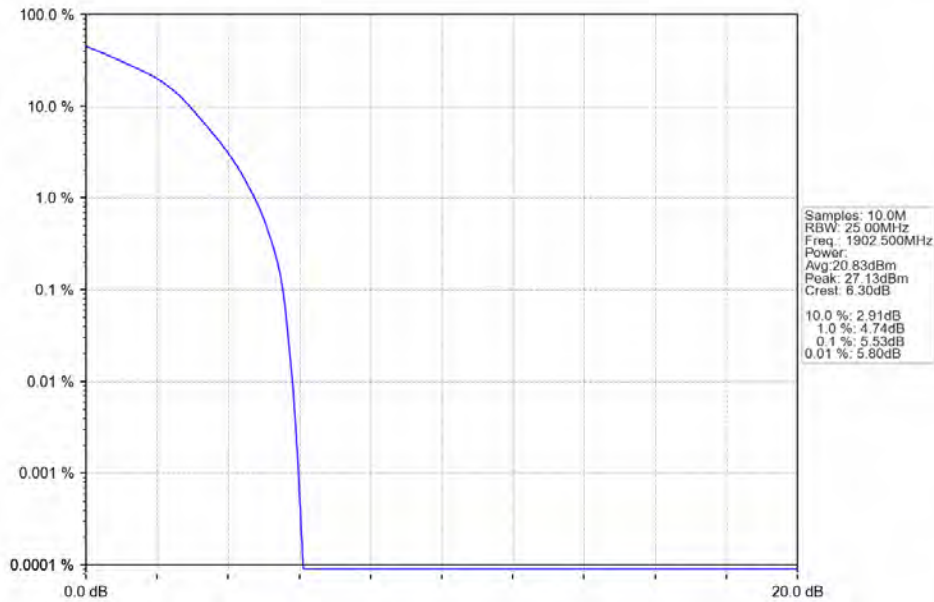
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Band2 15MHz 16QAM HCH 1902.5MHz RB 75\_0 NTN



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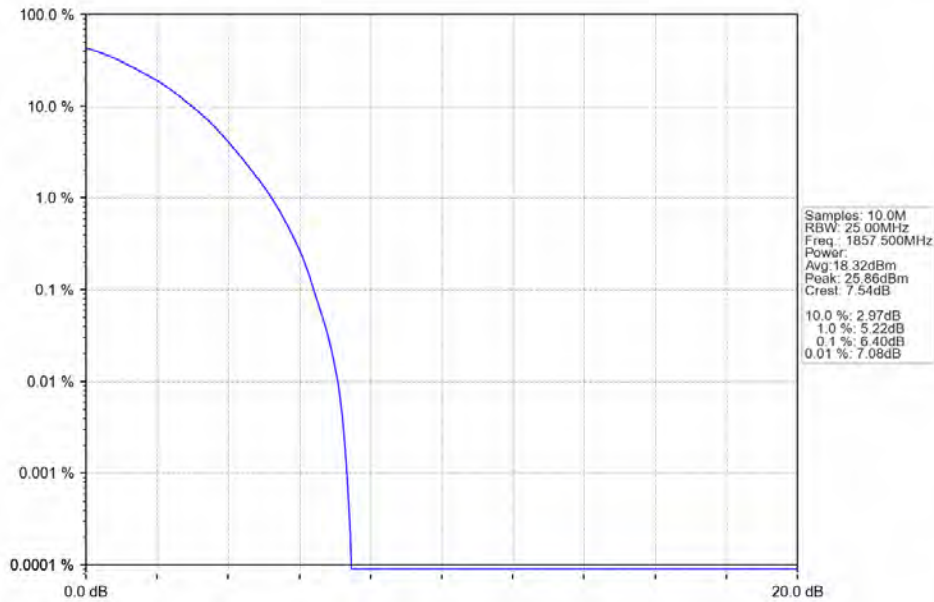
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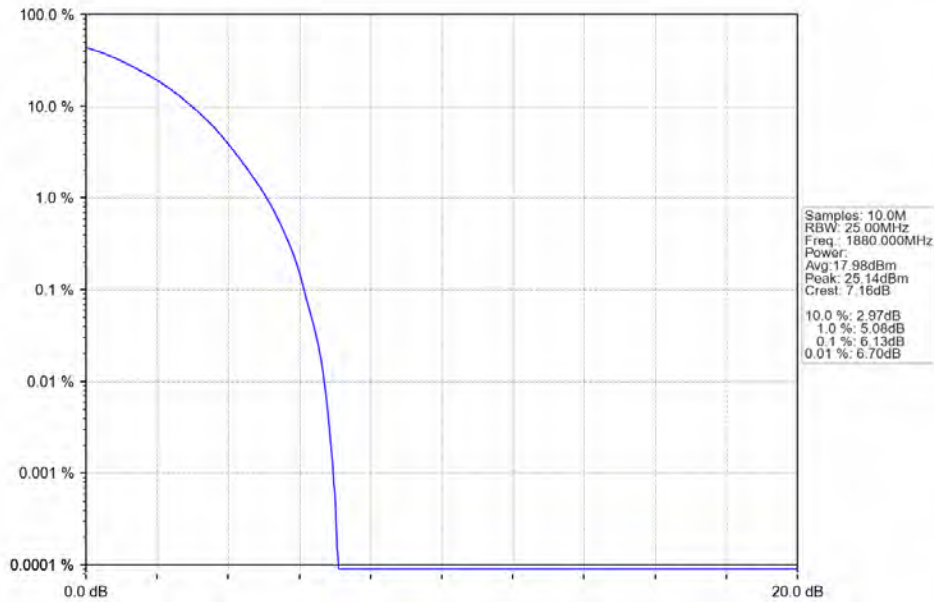


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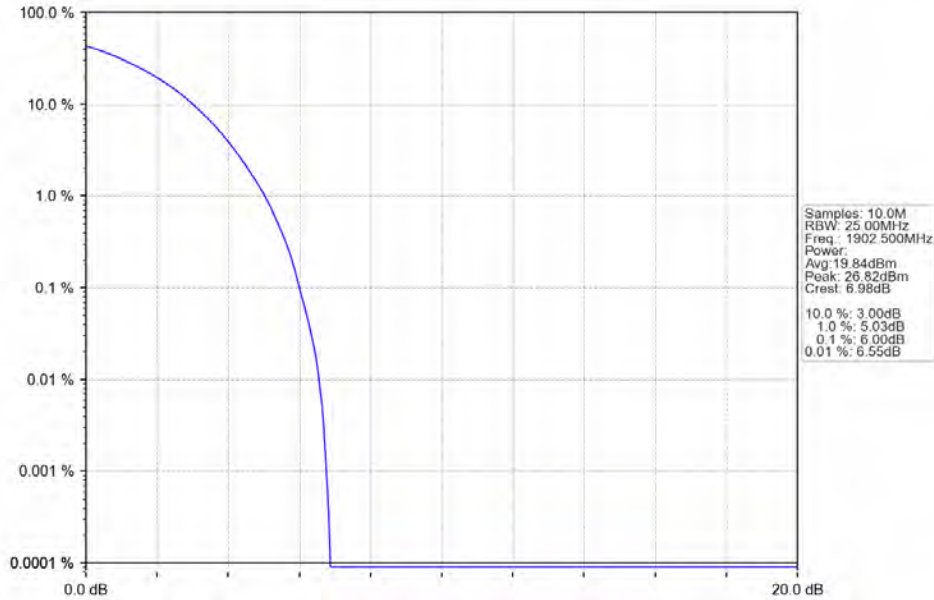
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## 4.6 B2\_20MHz

### 4.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.27	<=13	Pass
	1880	100	0	5.01	<=13	Pass
	1900	100	0	4.88	<=13	Pass
16QAM	1860	100	0	6.05	<=13	Pass
	1880	100	0	5.78	<=13	Pass
	1900	100	0	5.70	<=13	Pass
64QAM	1860	100	0	6.41	<=13	Pass
	1880	100	0	6.19	<=13	Pass
	1900	100	0	6.12	<=13	Pass

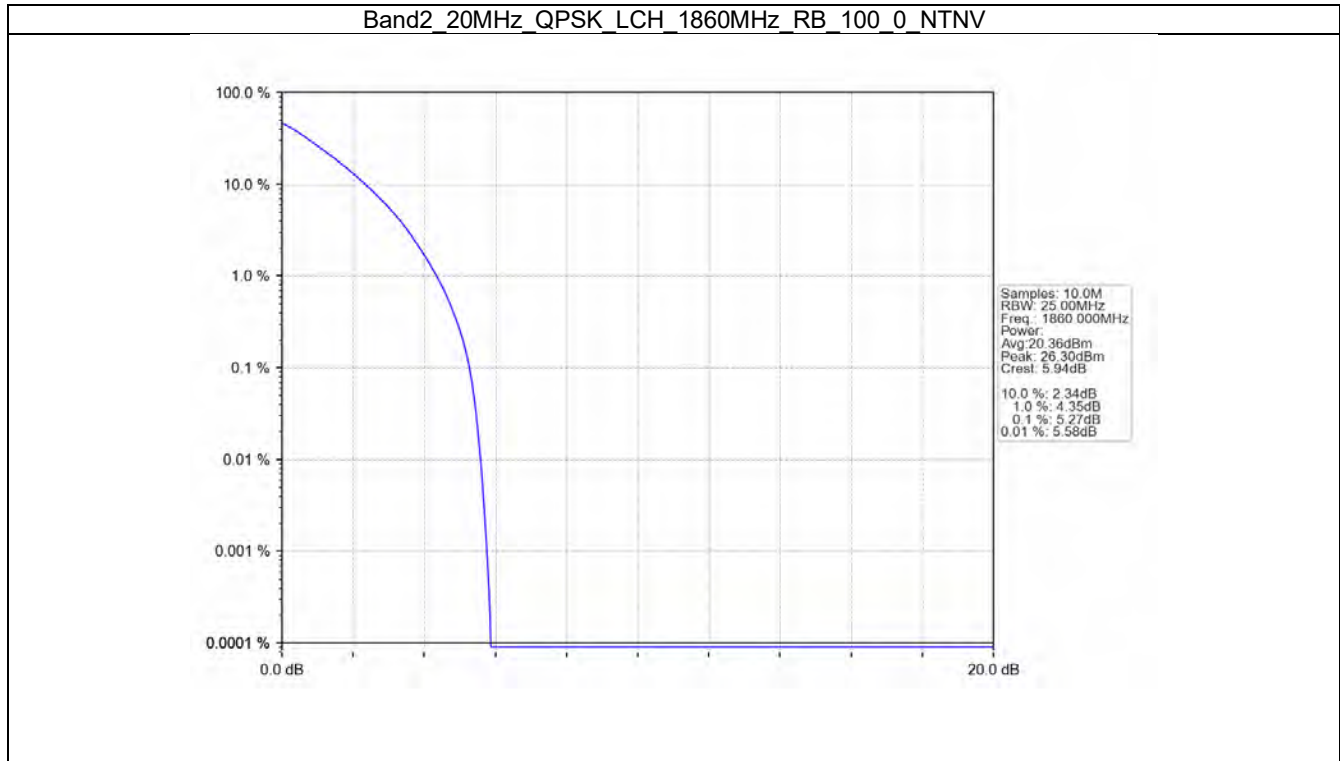


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4.6.2 Test Graph



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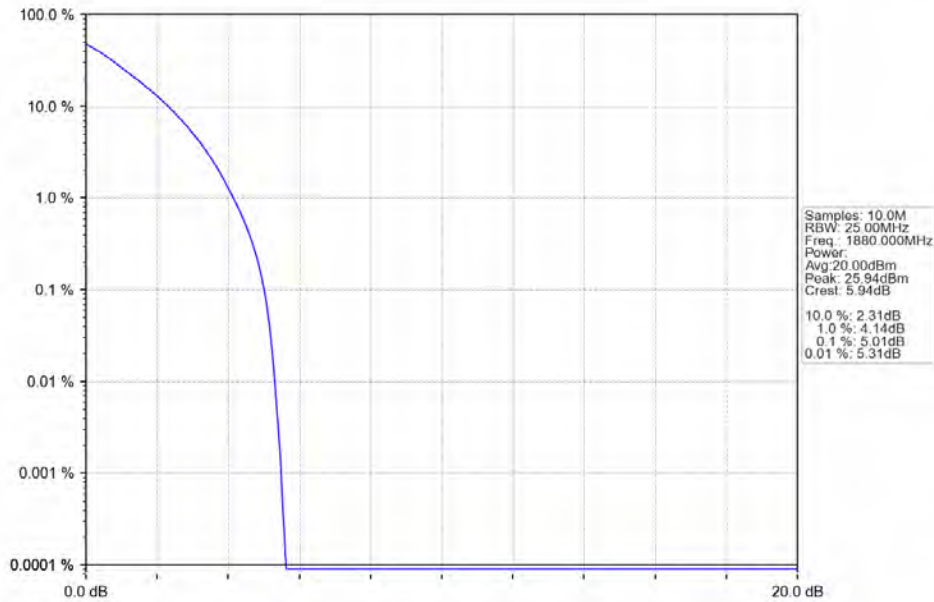


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Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



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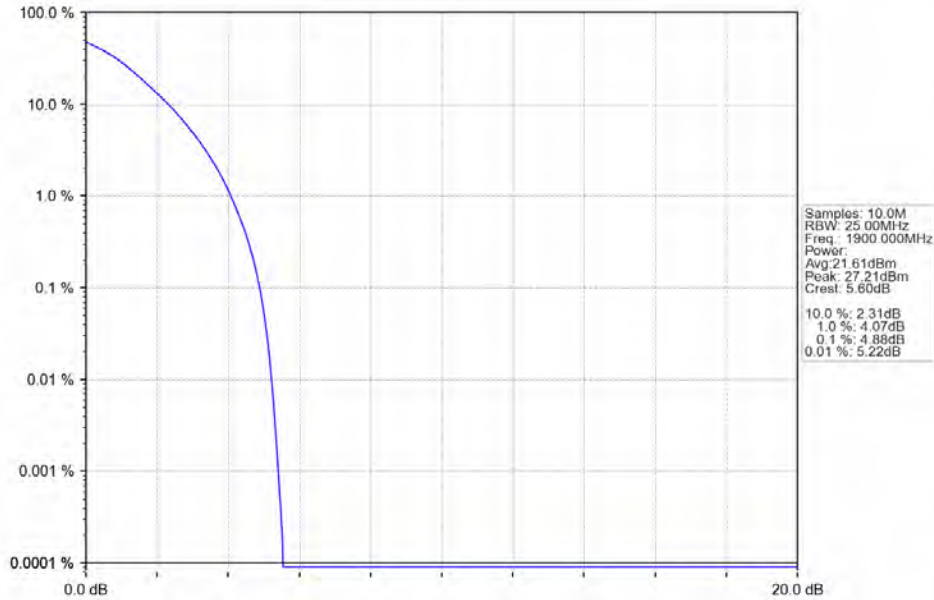
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Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



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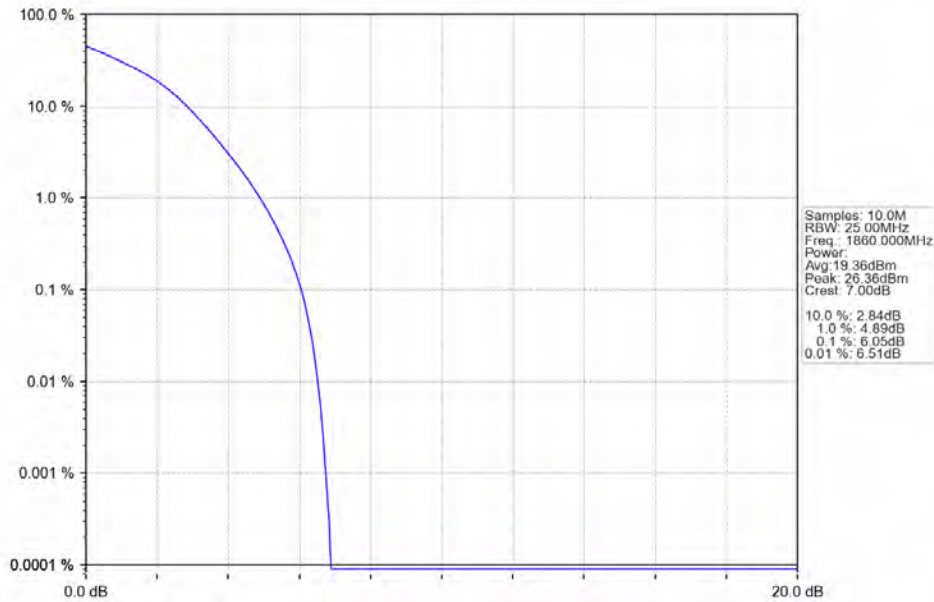
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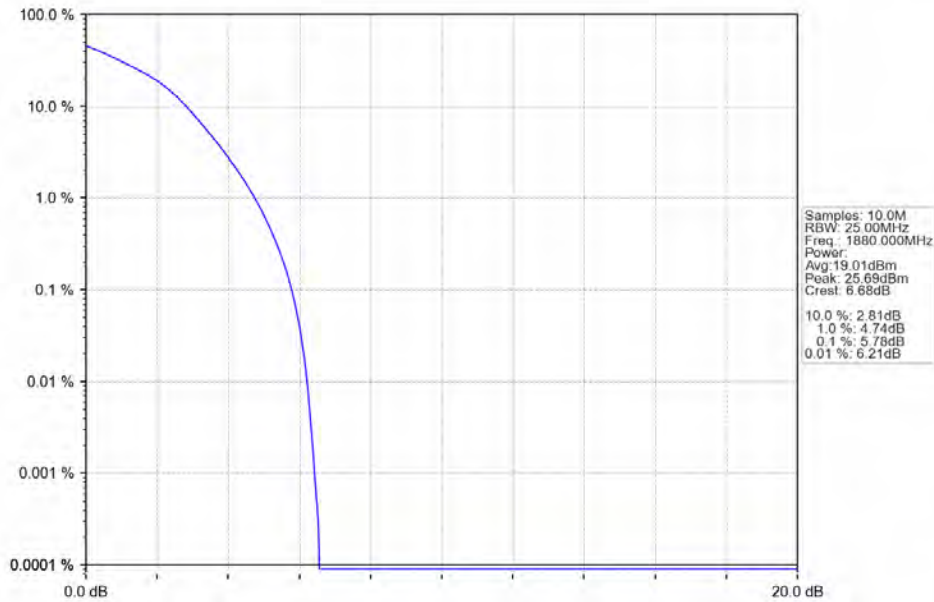
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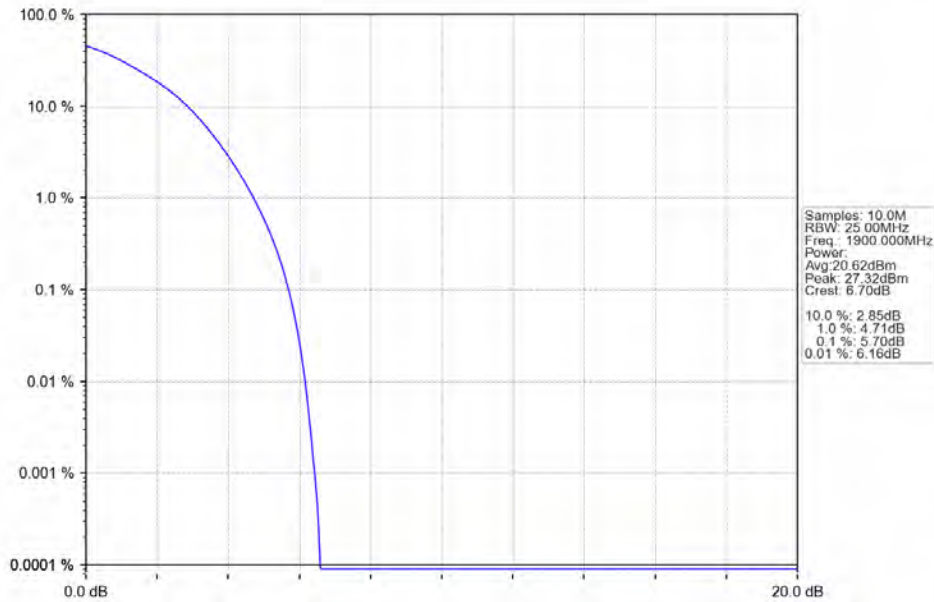
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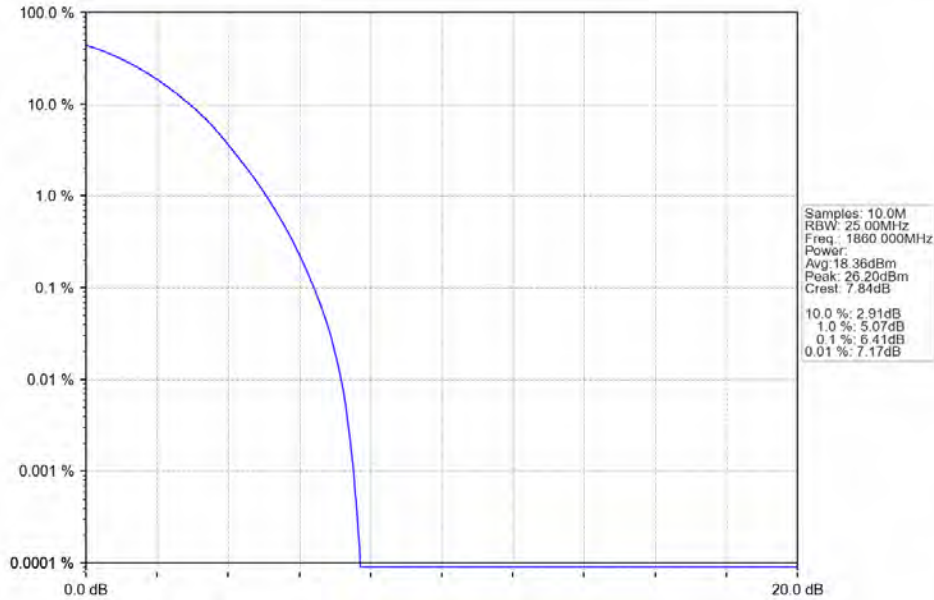
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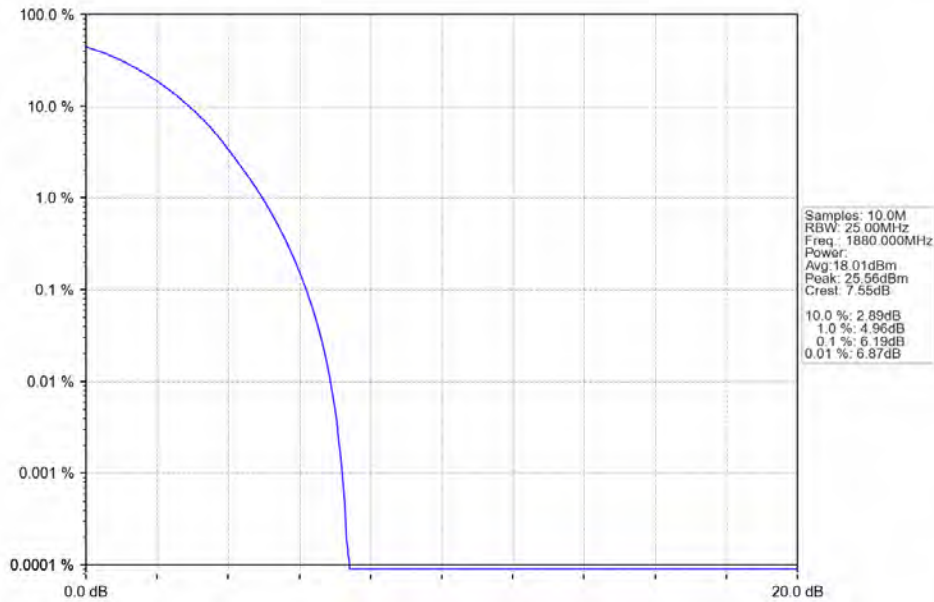
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