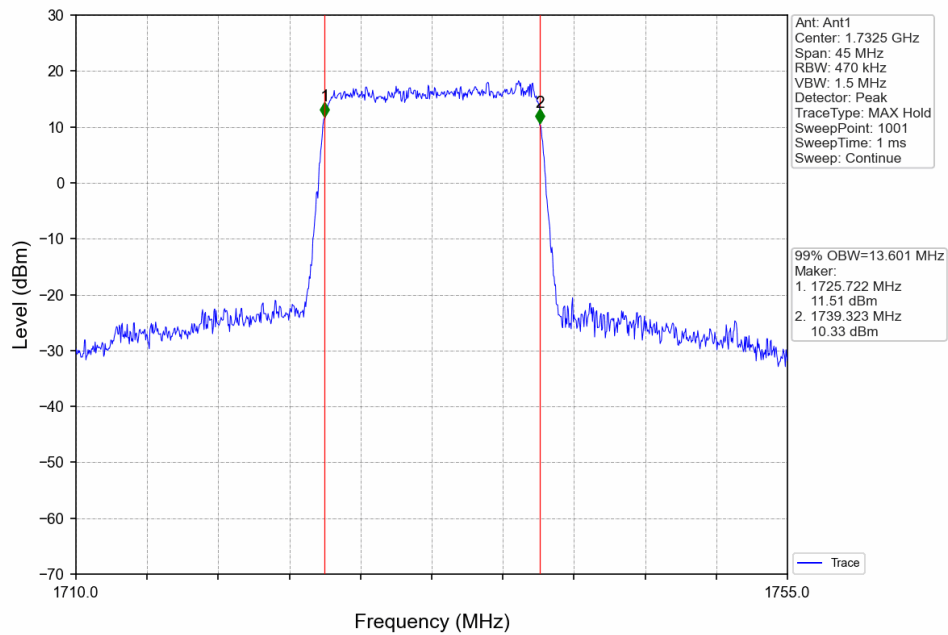
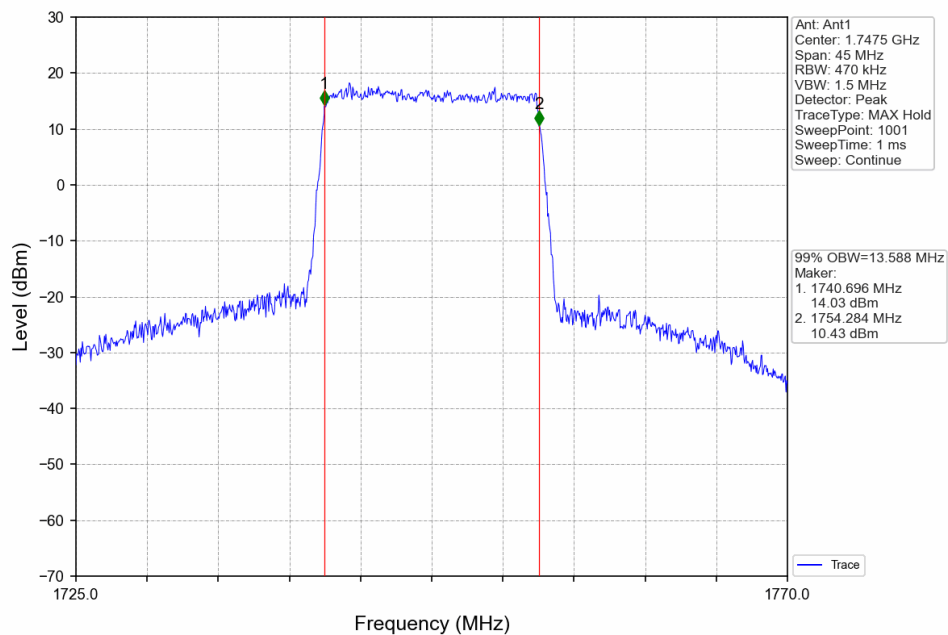




Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

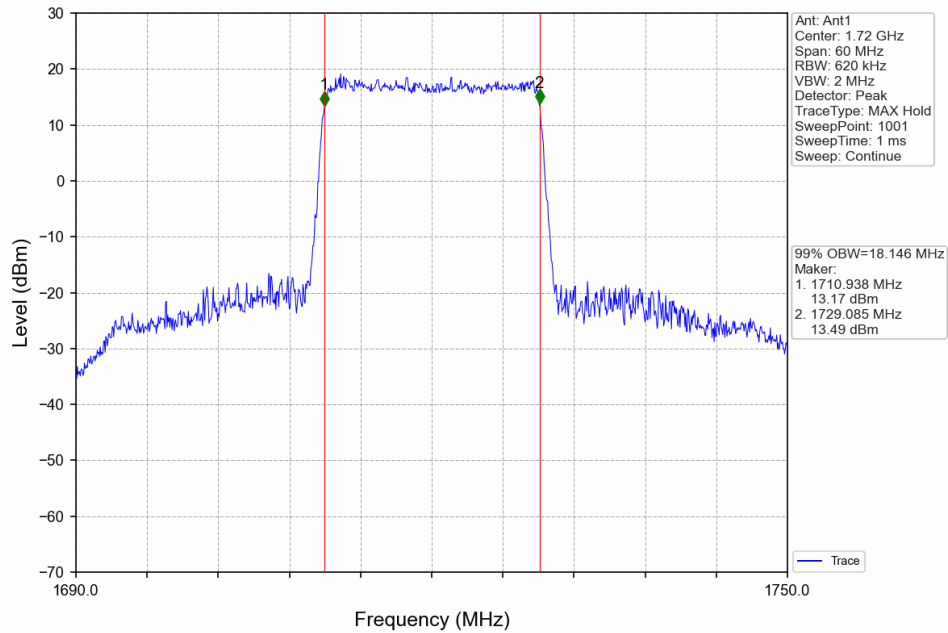


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

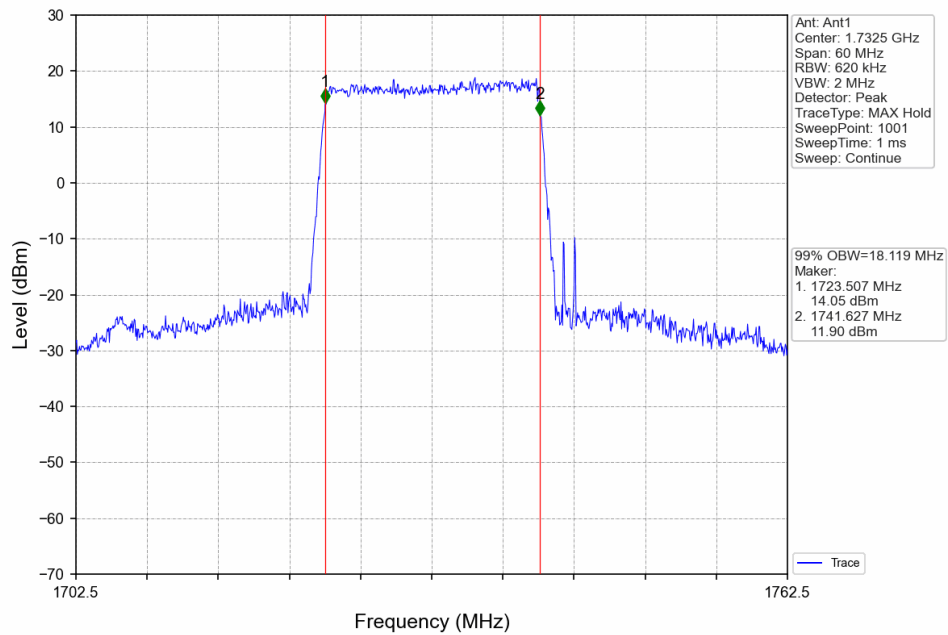




Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

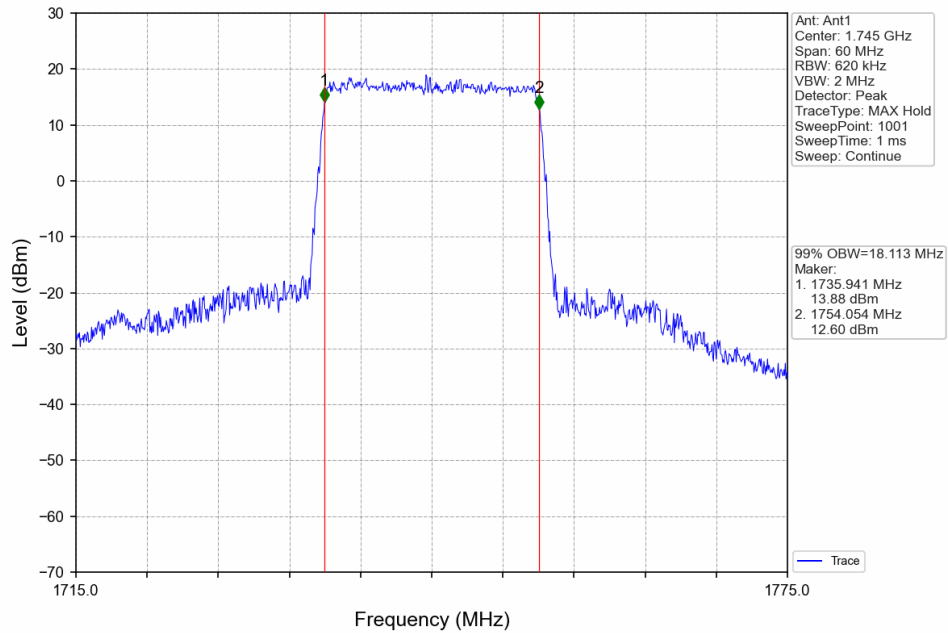


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

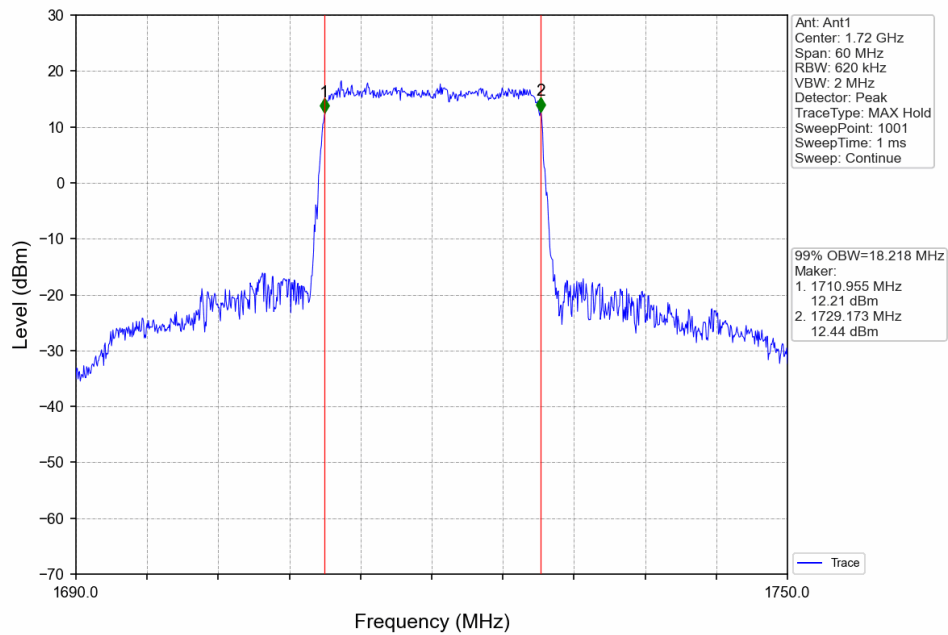




Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

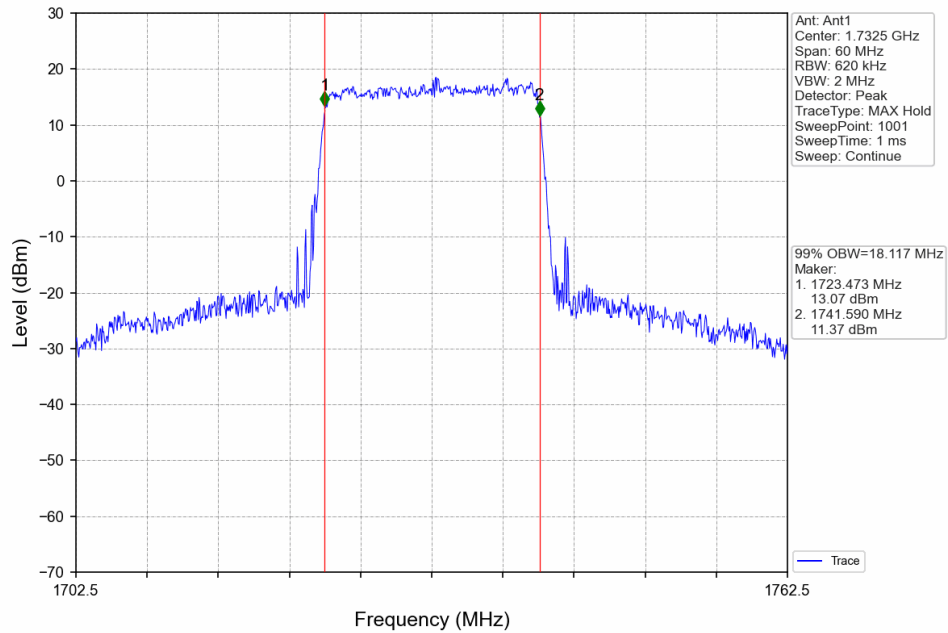


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

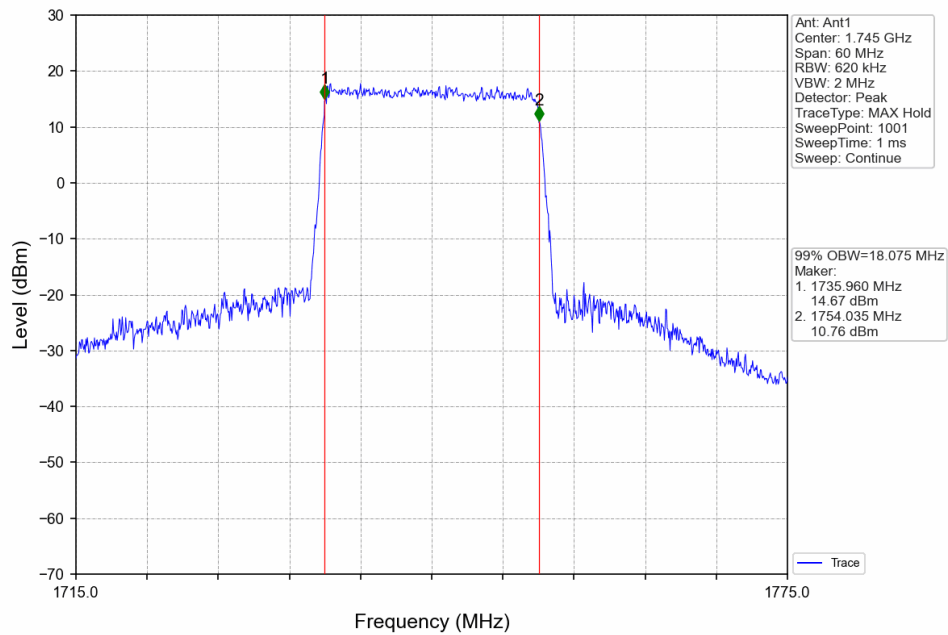




Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



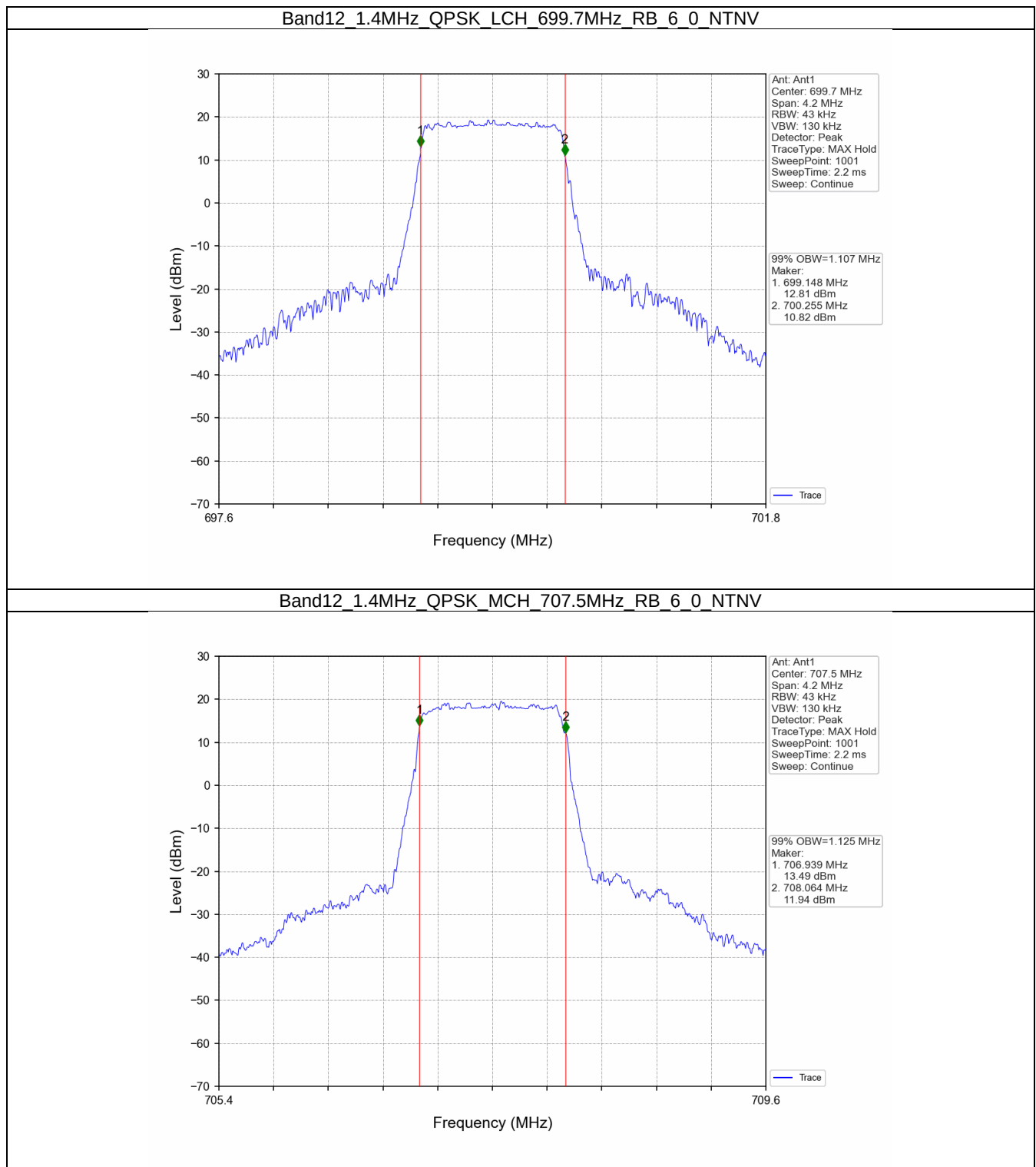
2.3. LTE_Band12_OBW

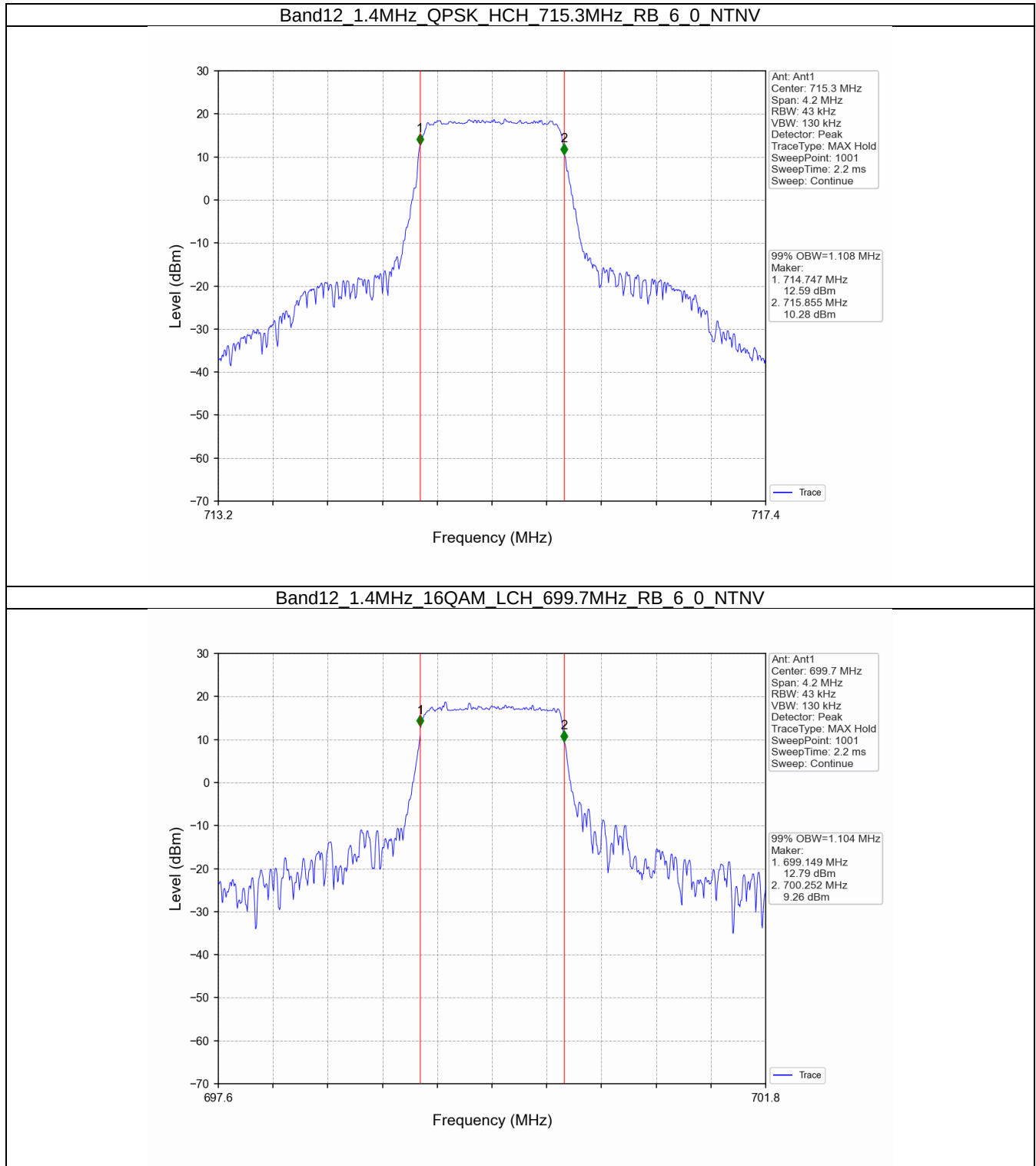
2.3.1. Test Result

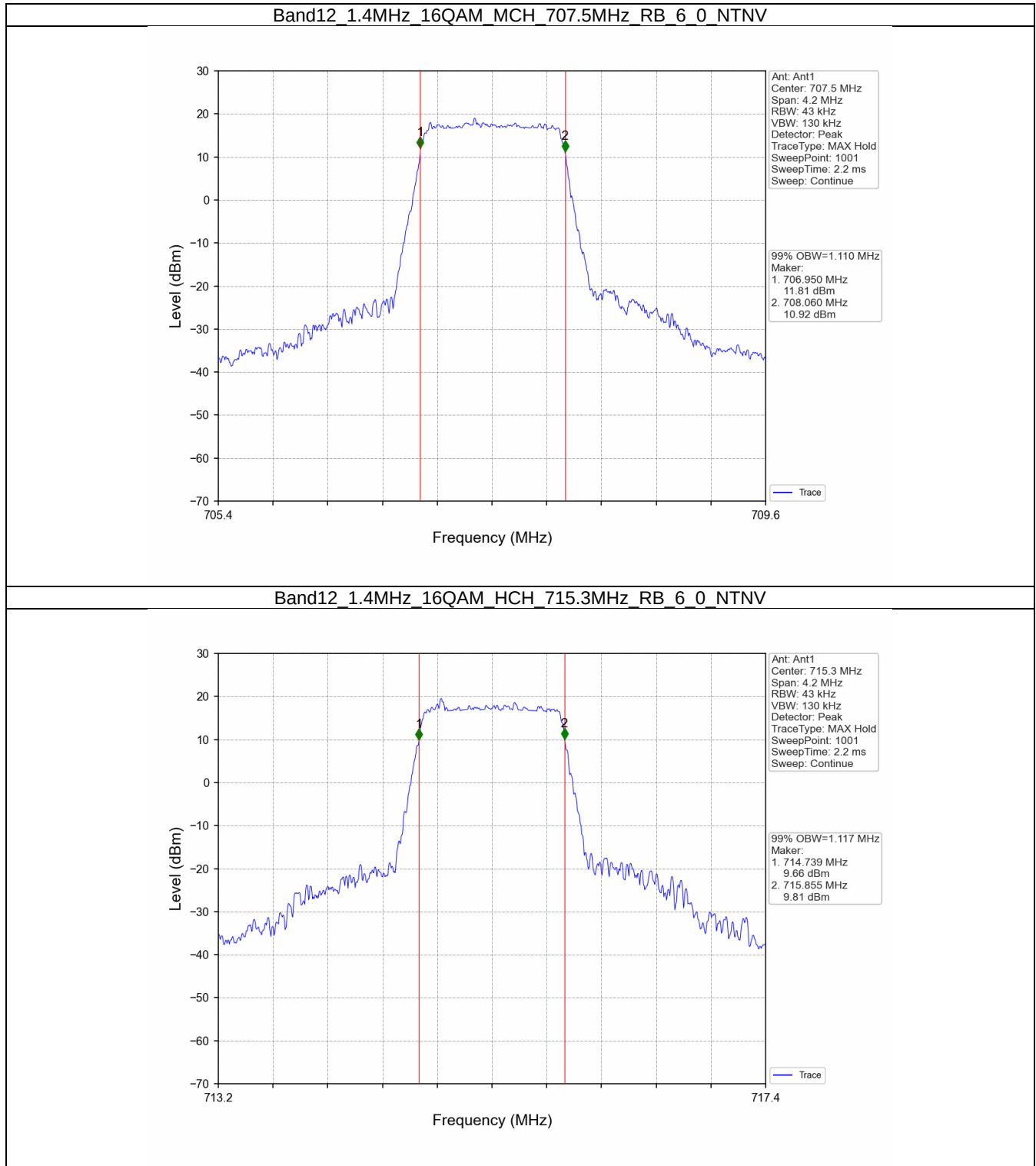
Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.107	Pass
		707.5	6	0	1.125	Pass
		715.3	6	0	1.108	Pass
	16QAM	699.7	6	0	1.104	Pass
		707.5	6	0	1.110	Pass
		715.3	6	0	1.117	Pass
3	QPSK	700.5	15	0	2.726	Pass
		707.5	15	0	2.722	Pass
		714.5	15	0	2.725	Pass
	16QAM	700.5	15	0	2.722	Pass
		707.5	15	0	2.723	Pass
		714.5	15	0	2.712	Pass
5	QPSK	701.5	25	0	4.579	Pass
		707.5	25	0	4.564	Pass
		713.5	25	0	4.564	Pass
	16QAM	701.5	25	0	4.562	Pass
		707.5	25	0	4.572	Pass
		713.5	25	0	4.595	Pass
10	QPSK	704	50	0	9.113	Pass
		707.5	50	0	9.079	Pass
		711	50	0	9.040	Pass
	16QAM	704	50	0	9.122	Pass
		707.5	50	0	9.081	Pass
		711	50	0	9.061	Pass

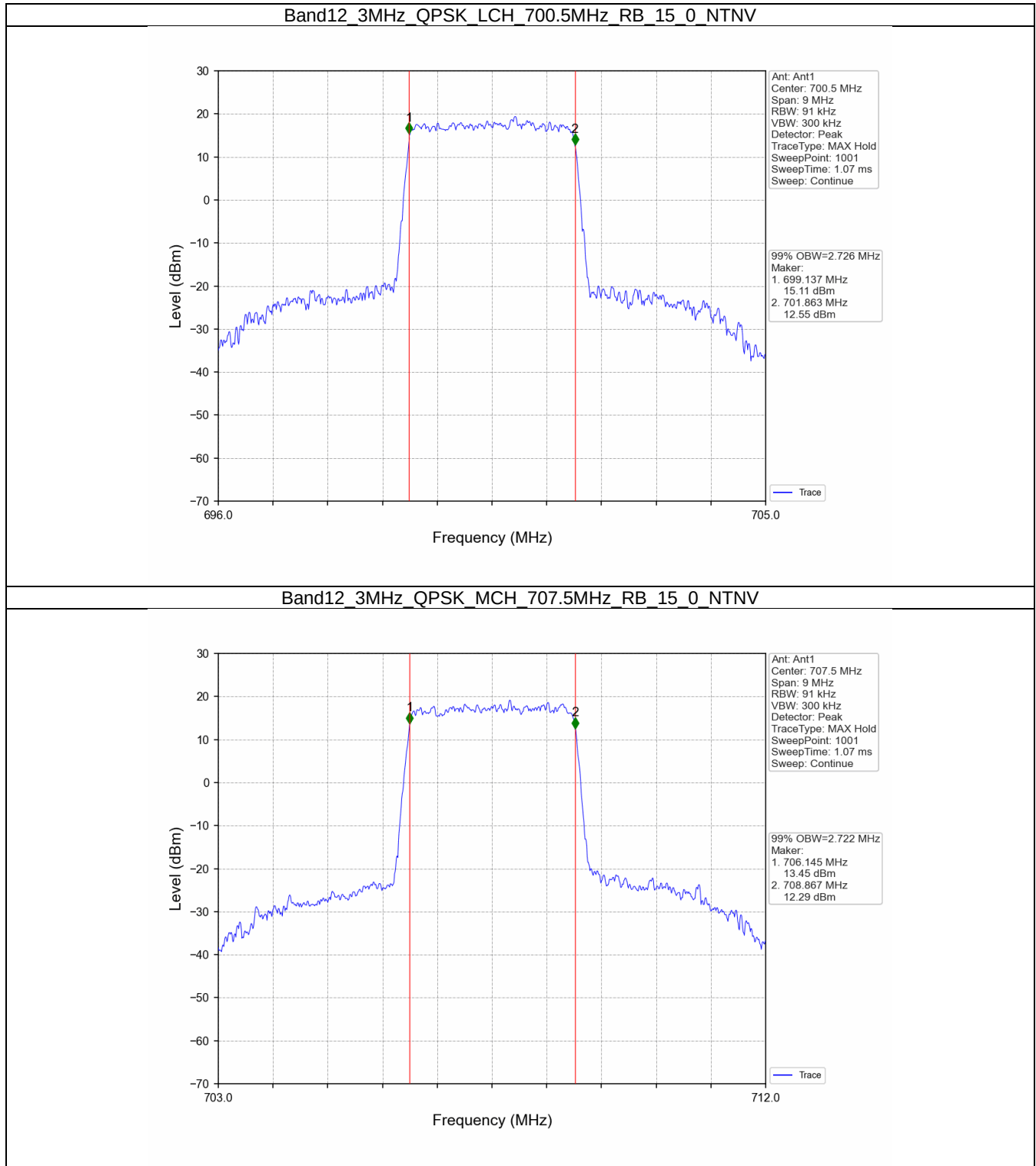


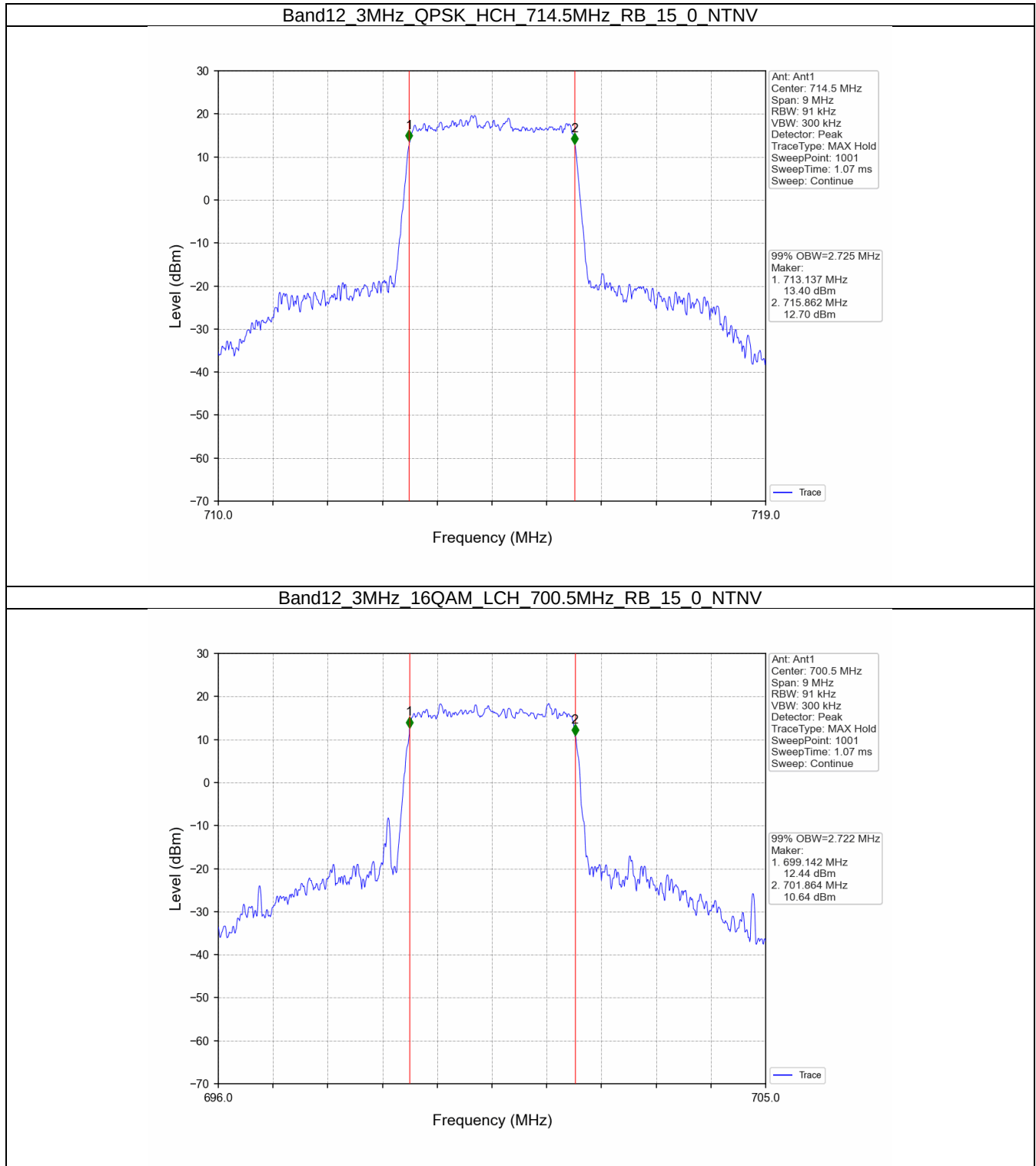
2.3.2. Test Graph





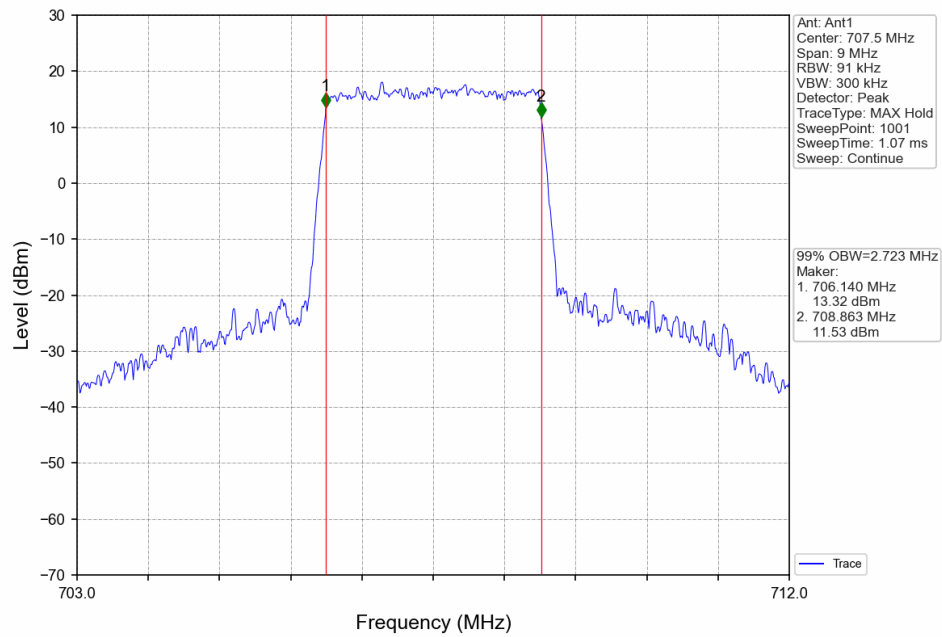




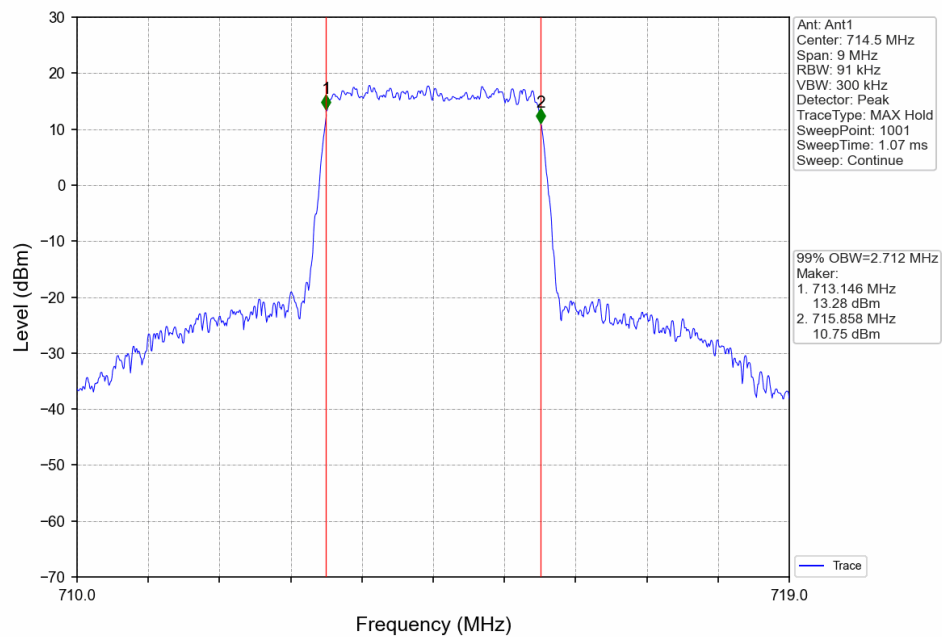




Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

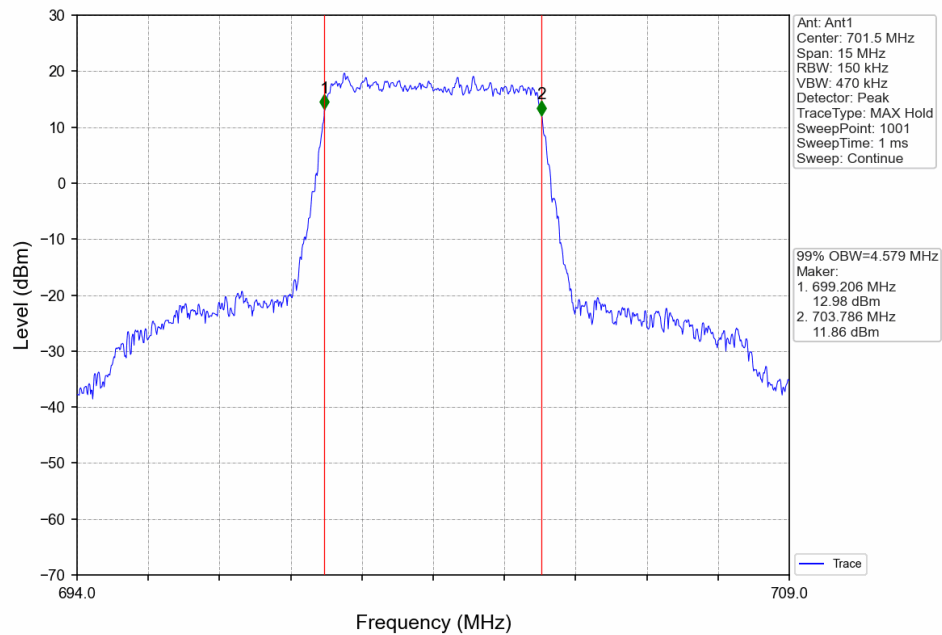


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

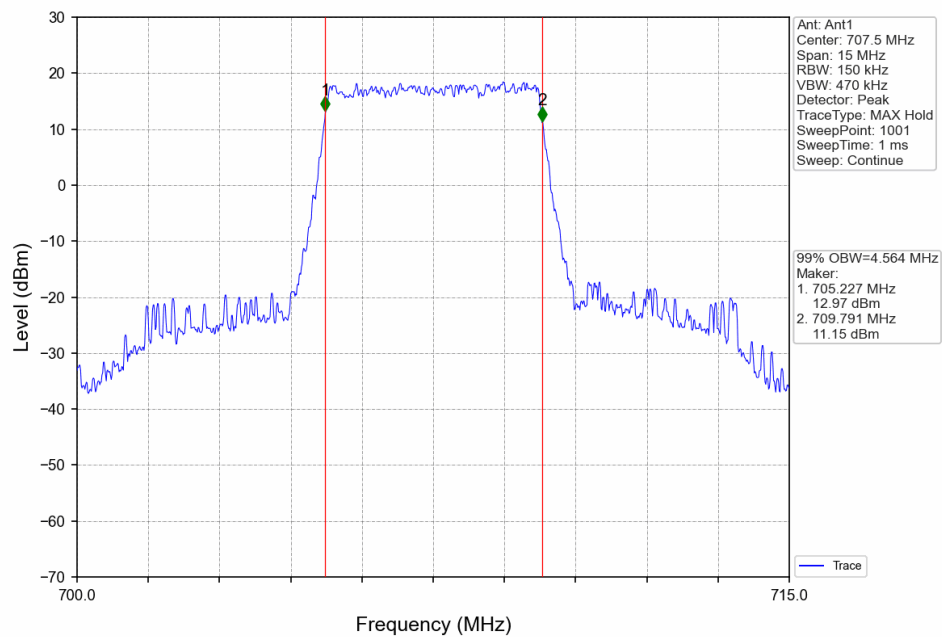




Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

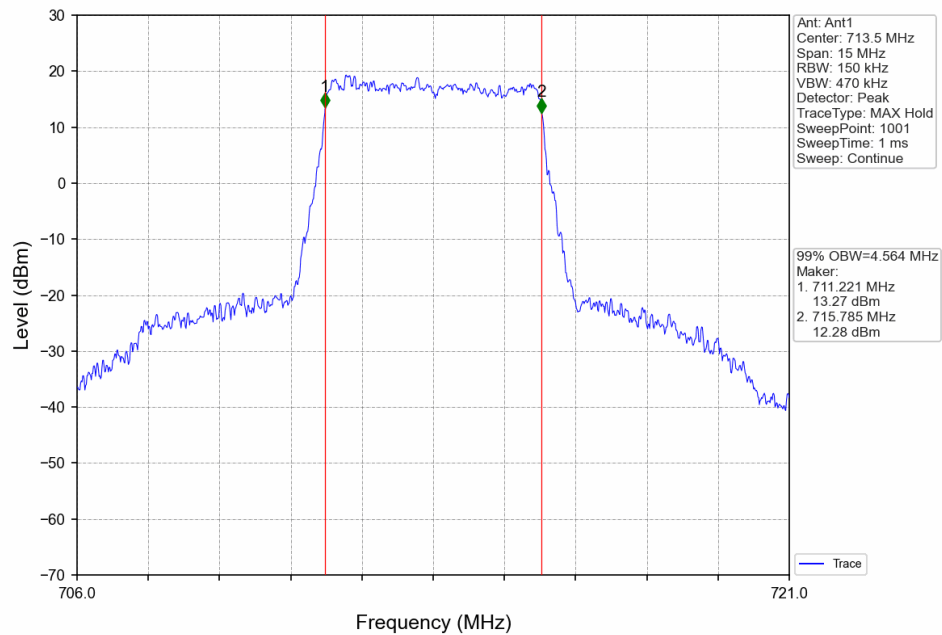


Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

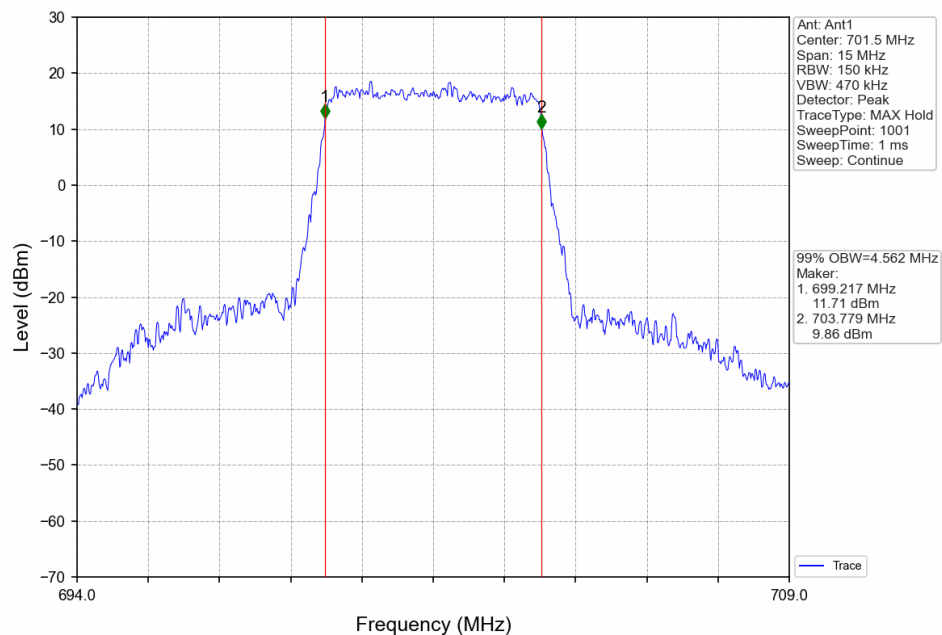




Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

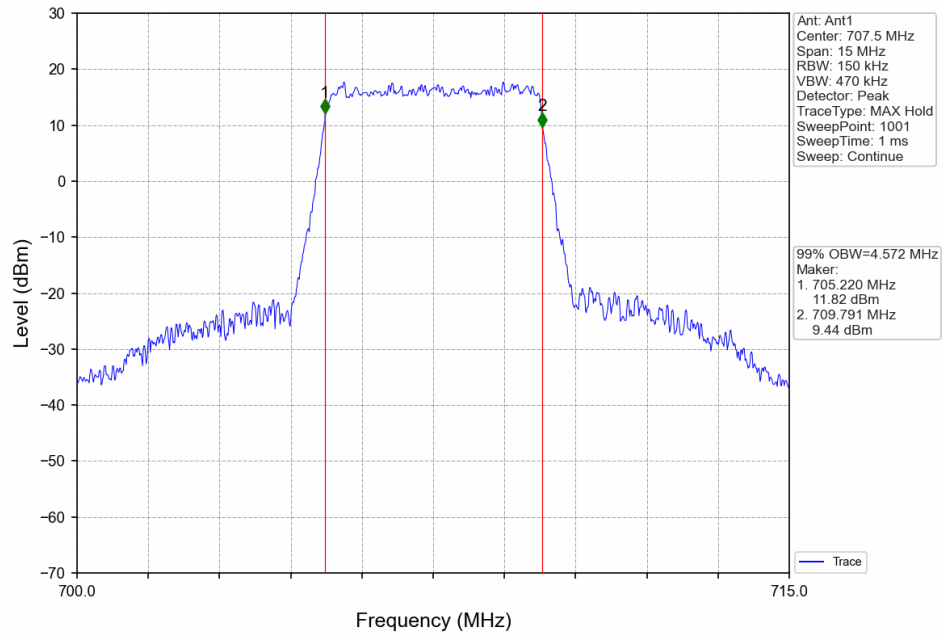


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

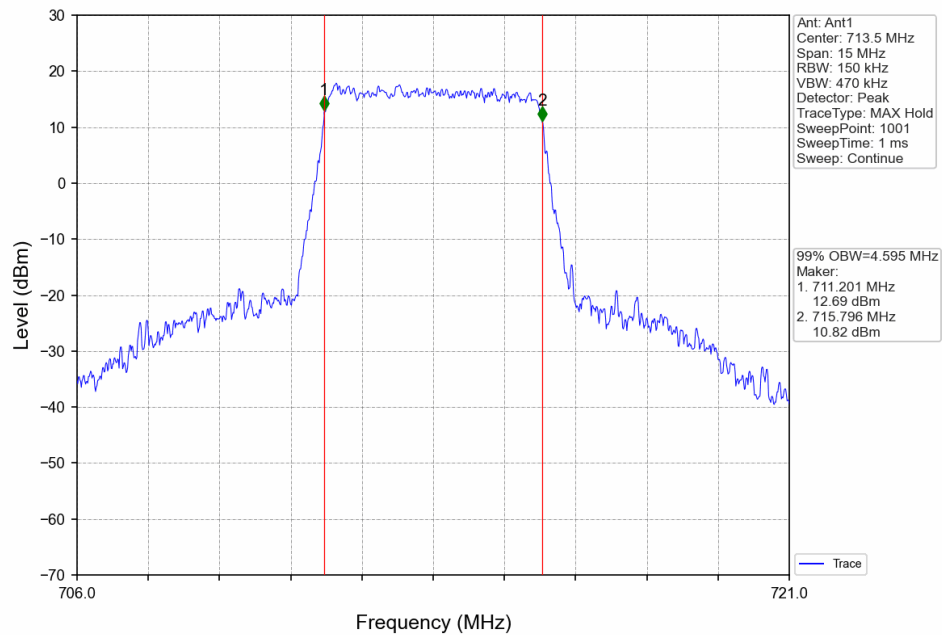




Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

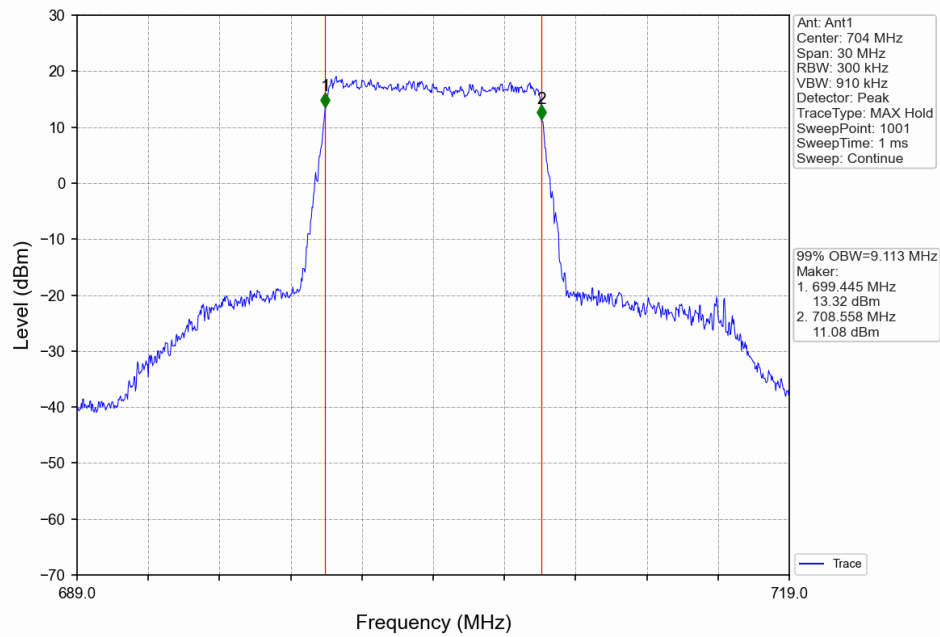


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

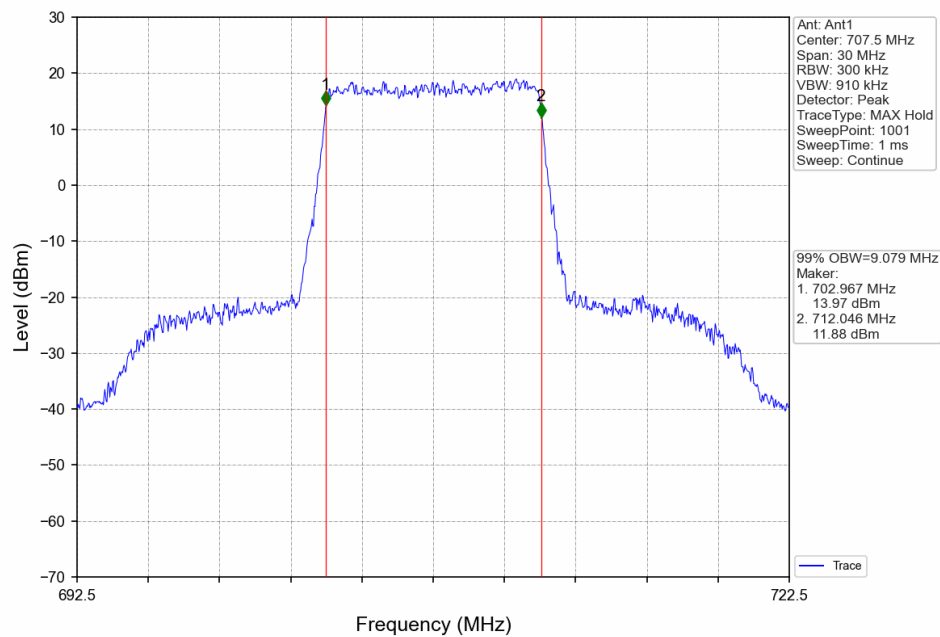




Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

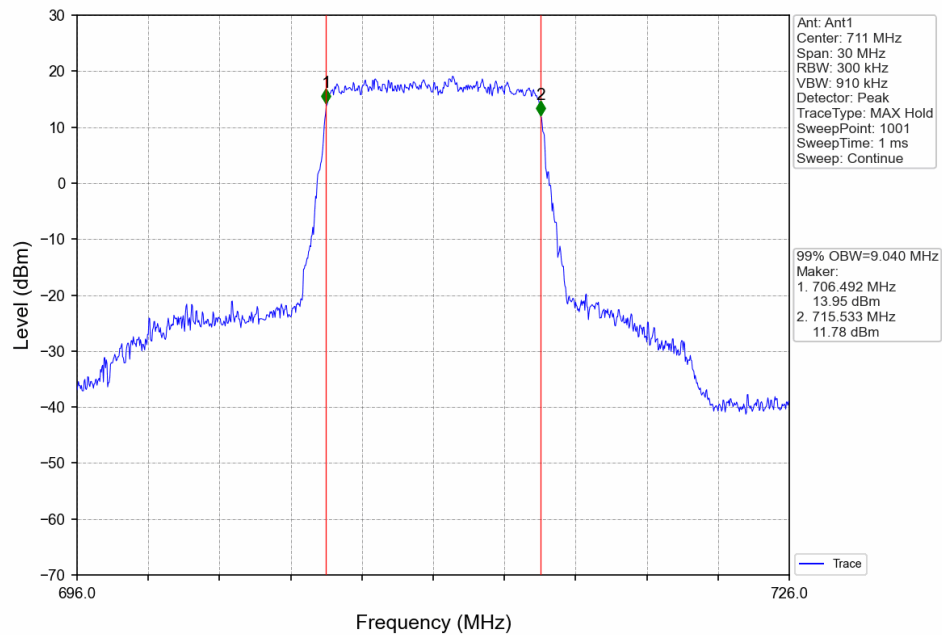


Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

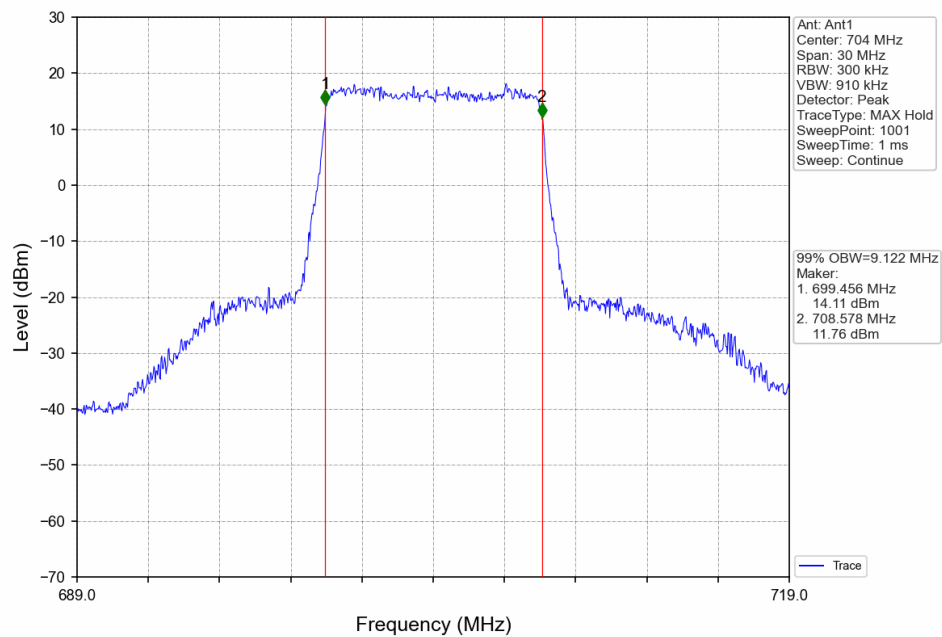




Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

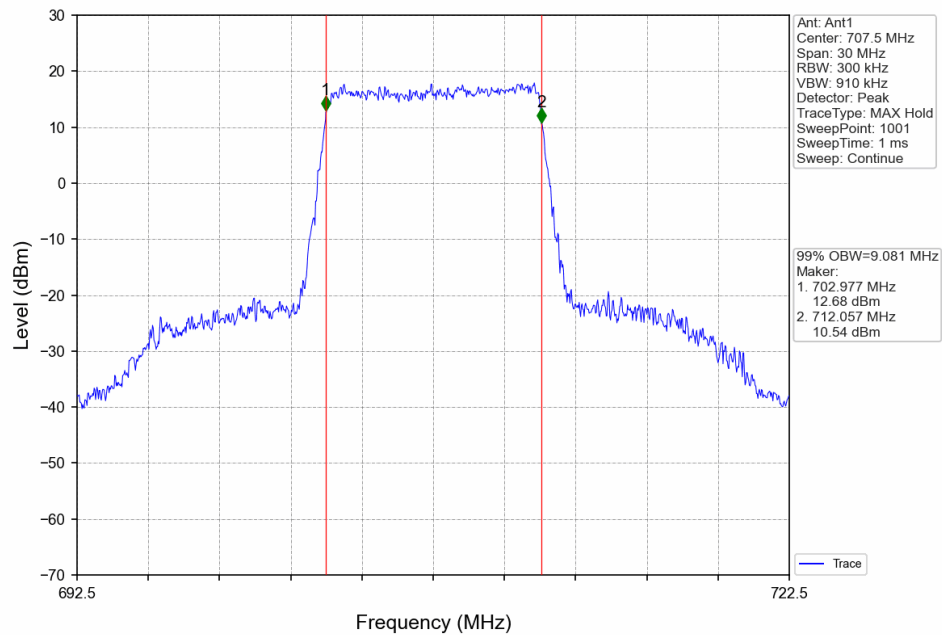


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

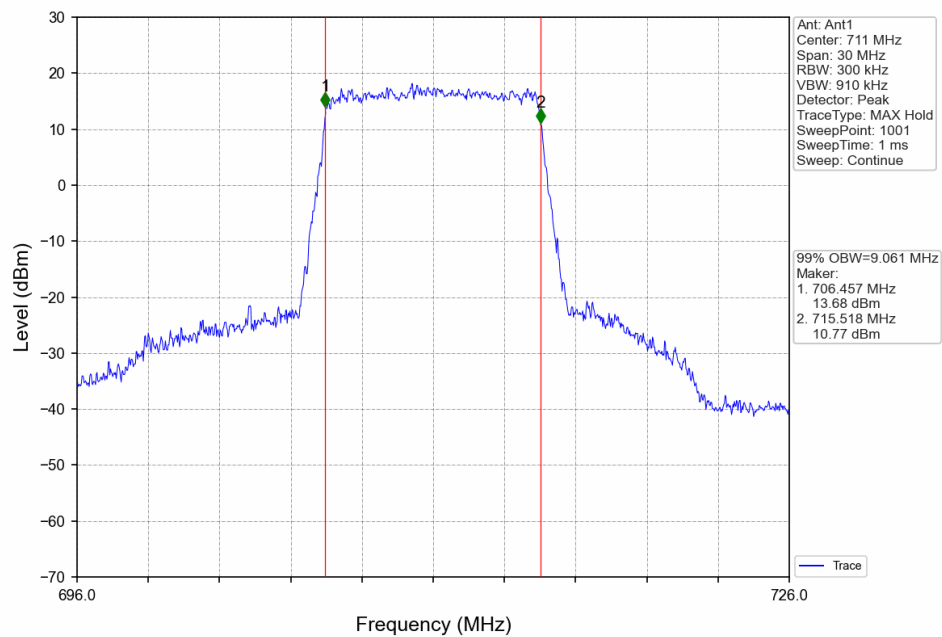




Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV





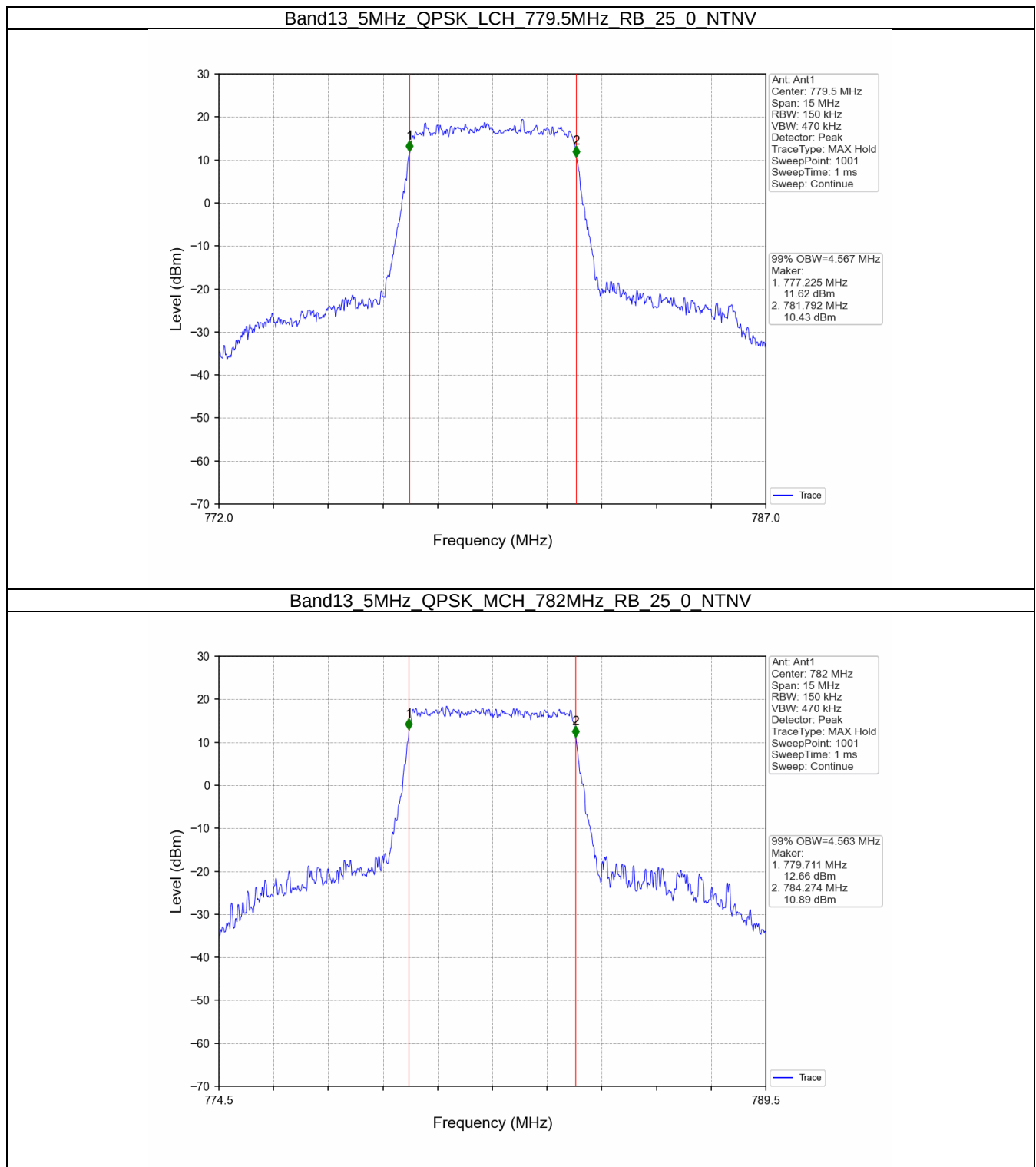
2.4. LTE_Band13_OBW

2.4.1. Test Result

Band: 13 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	4.567	Pass
		782	25	0	4.563	Pass
		784.5	25	0	4.583	Pass
	16QAM	779.5	25	0	4.550	Pass
		782	25	0	4.590	Pass
		784.5	25	0	4.589	Pass
10	QPSK	782	50	0	9.079	Pass
		782	50	0	9.059	Pass
		782	50	0	9.065	Pass
	16QAM	782	50	0	9.055	Pass
		782	50	0	9.054	Pass
		782	50	0	9.069	Pass

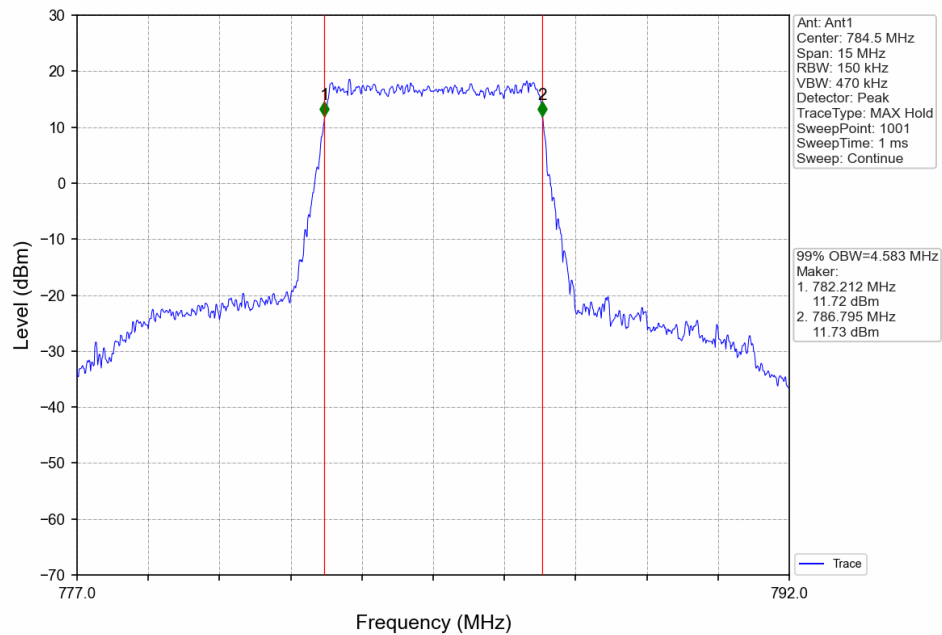


2.4.2. Test Graph

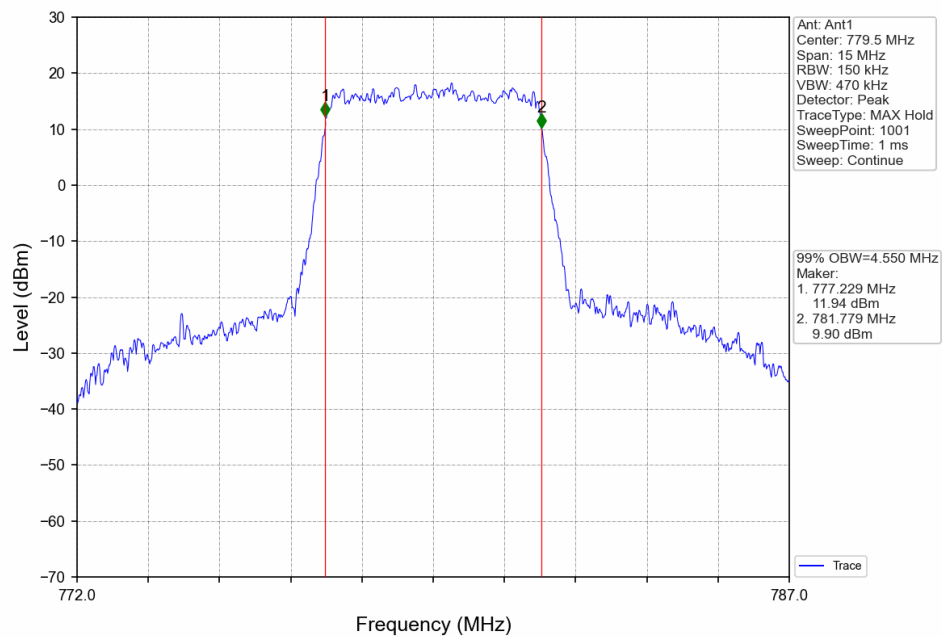




Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV

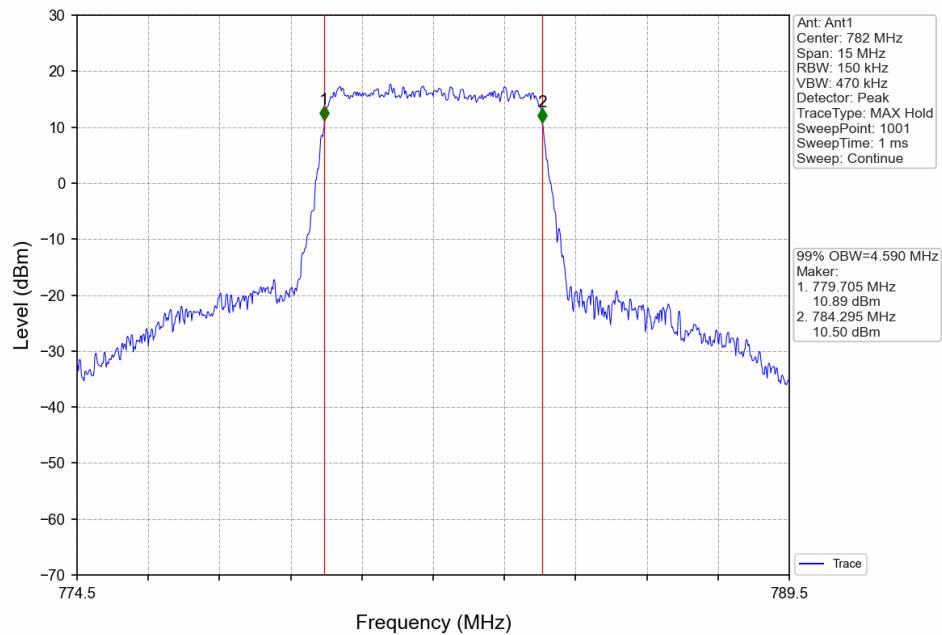


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

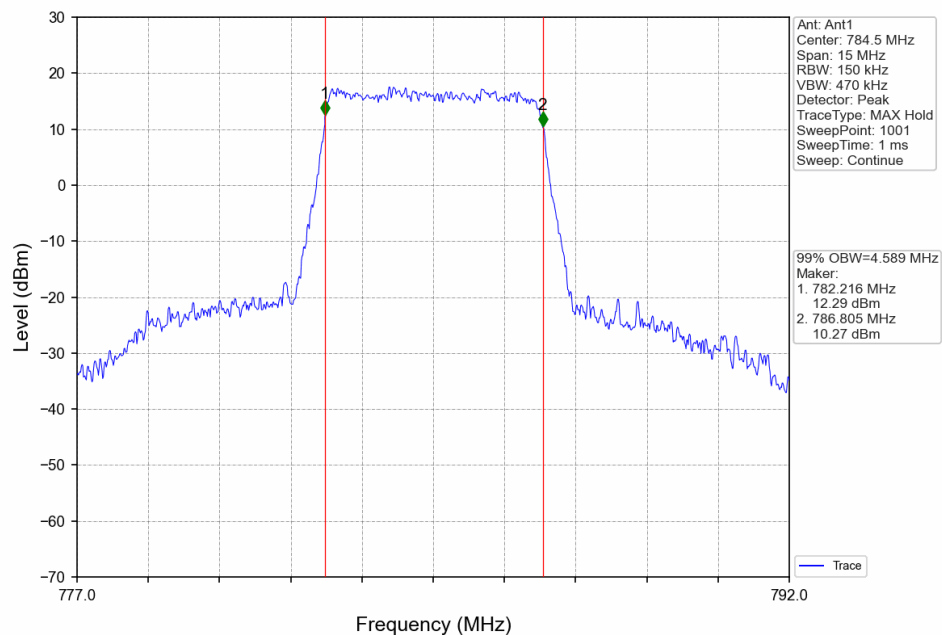




Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV

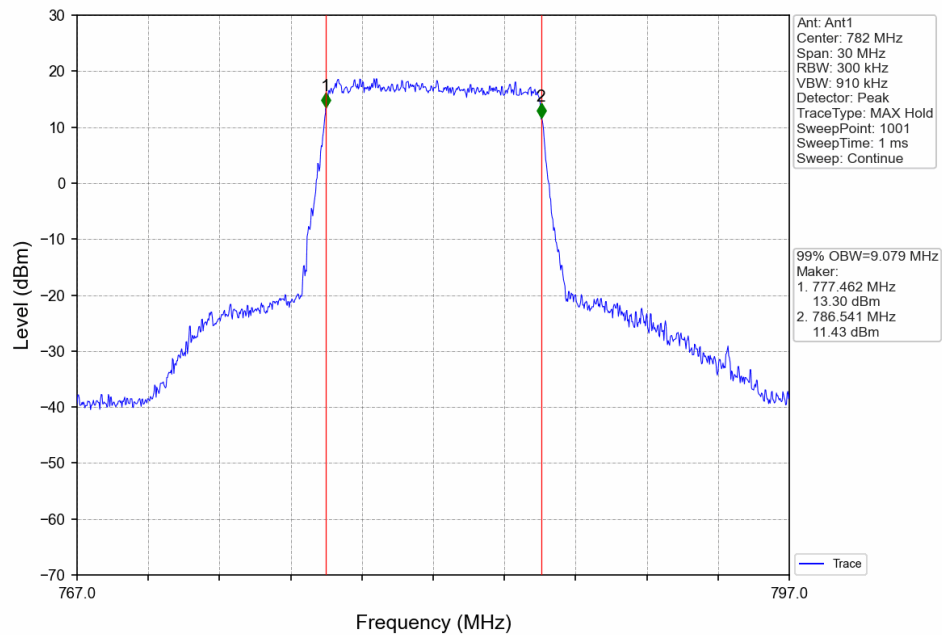


Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

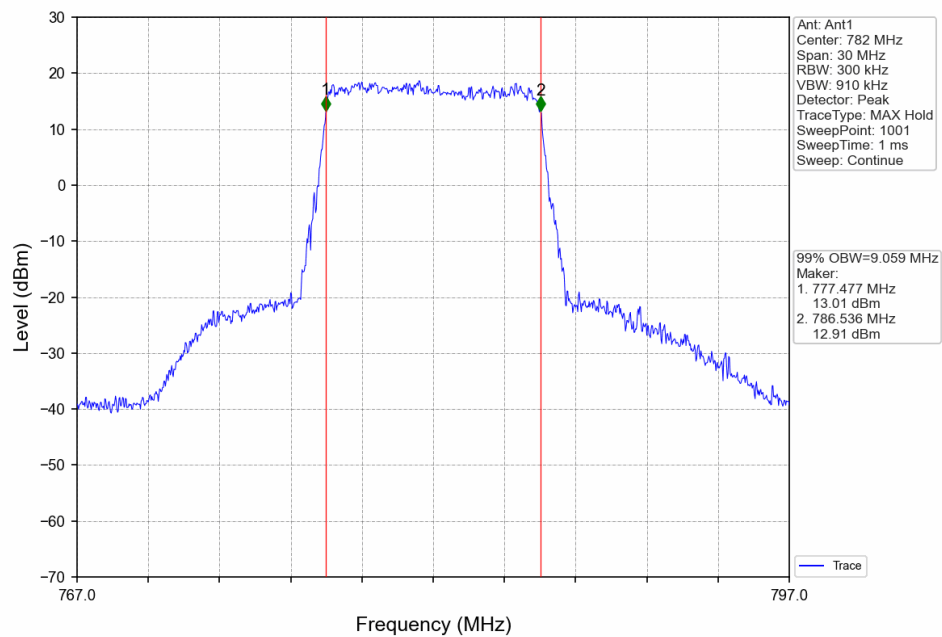




Band13_10MHz_QPSK_LCH_782MHz_RB_50_0_NTNV

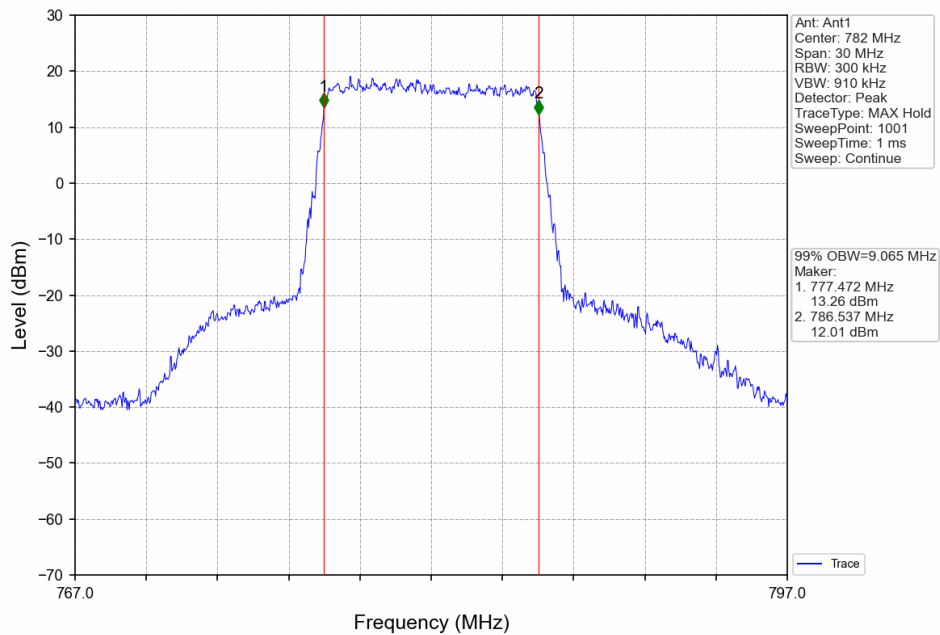


Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV

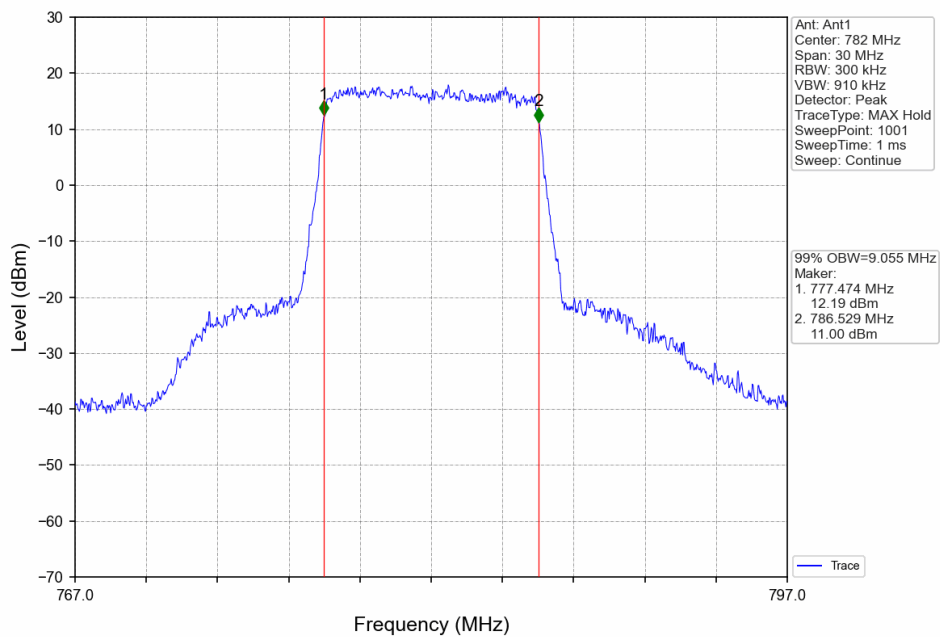




Band13_10MHz_QPSK_HCH_782MHz_RB_50_0_NTNV

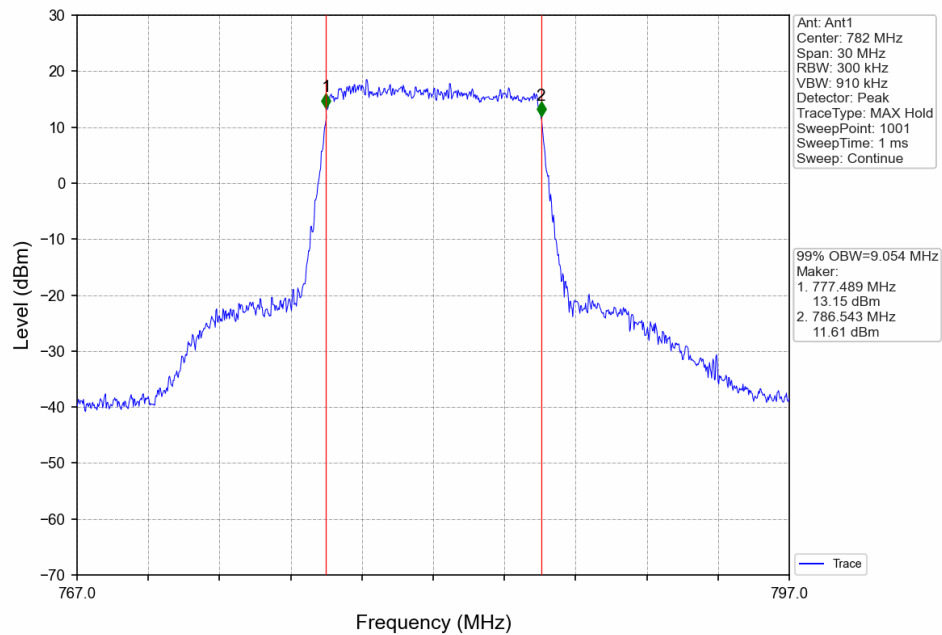


Band13_10MHz_16QAM_LCH_782MHz_RB_50_0_NTNV

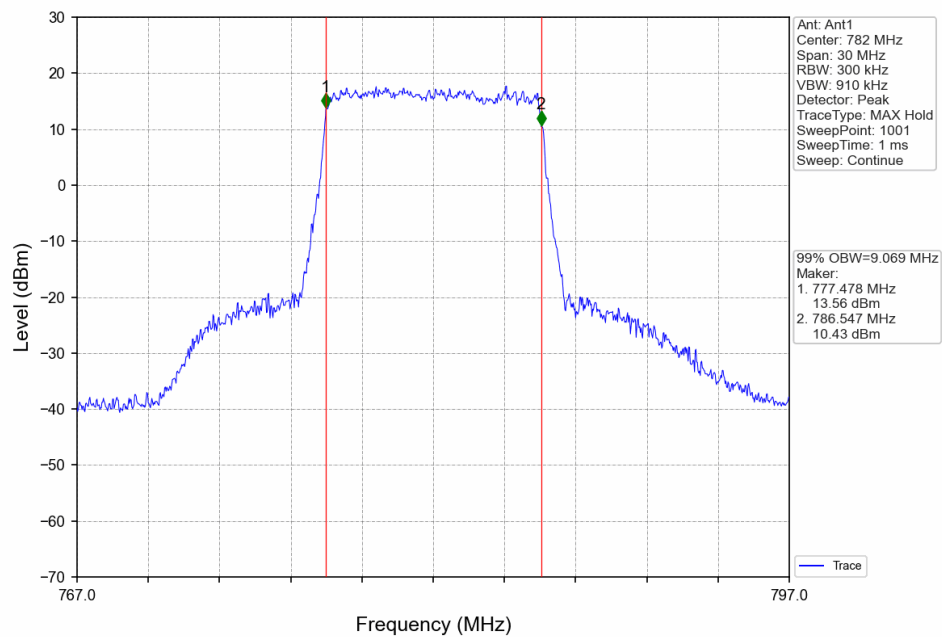




Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_HCH_782MHz_RB_50_0_NTNV





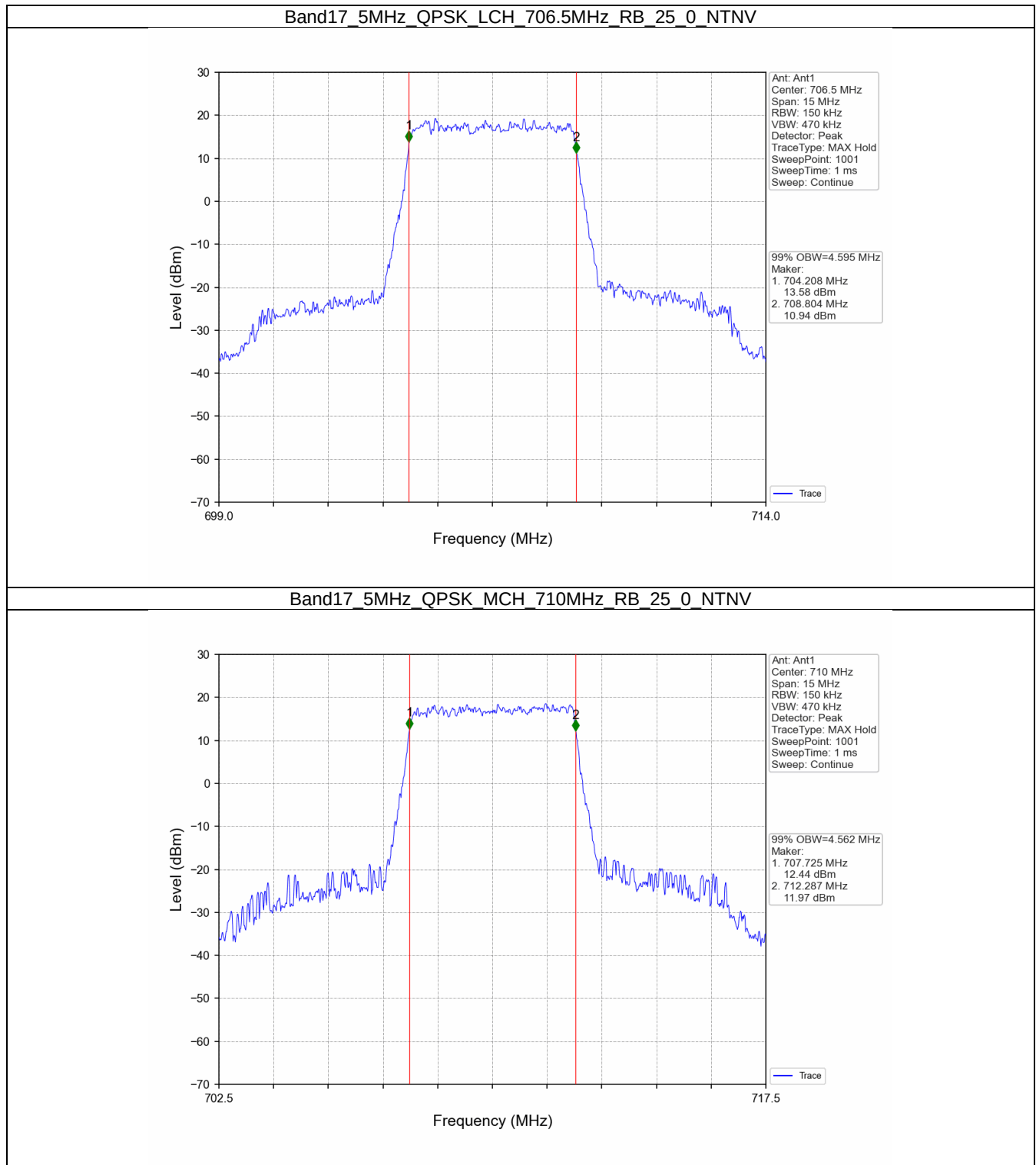
2.5. LTE_Band17_OBW

2.5.1. Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	4.595	Pass
		710	25	0	4.562	Pass
		713.5	25	0	4.569	Pass
	16QAM	706.5	25	0	4.577	Pass
		710	25	0	4.578	Pass
		713.5	25	0	4.599	Pass
10	QPSK	709	50	0	9.075	Pass
		710	50	0	9.041	Pass
		711	50	0	9.079	Pass
	16QAM	709	50	0	9.085	Pass
		710	50	0	9.035	Pass
		711	50	0	9.061	Pass

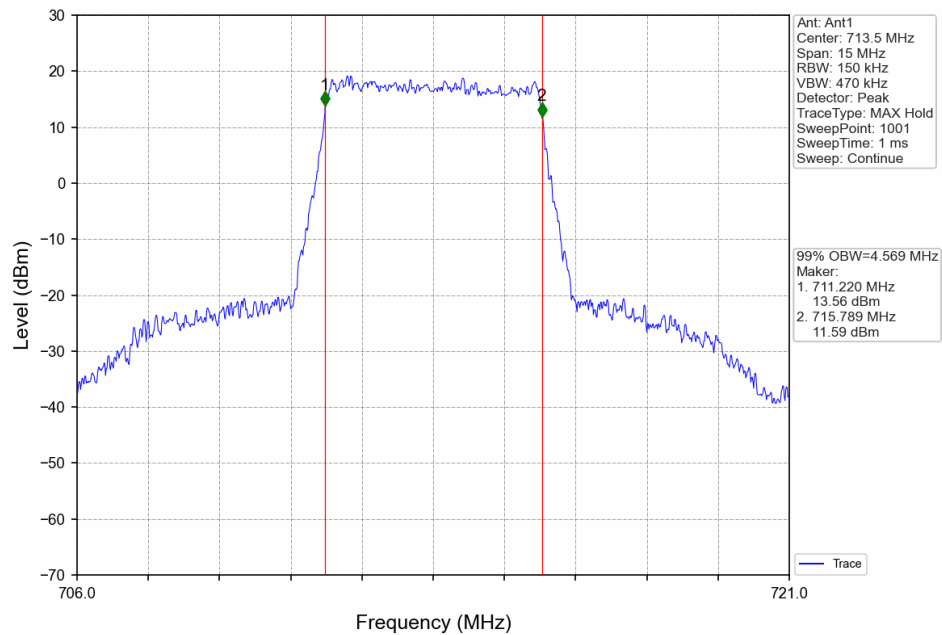


2.5.2. Test Graph

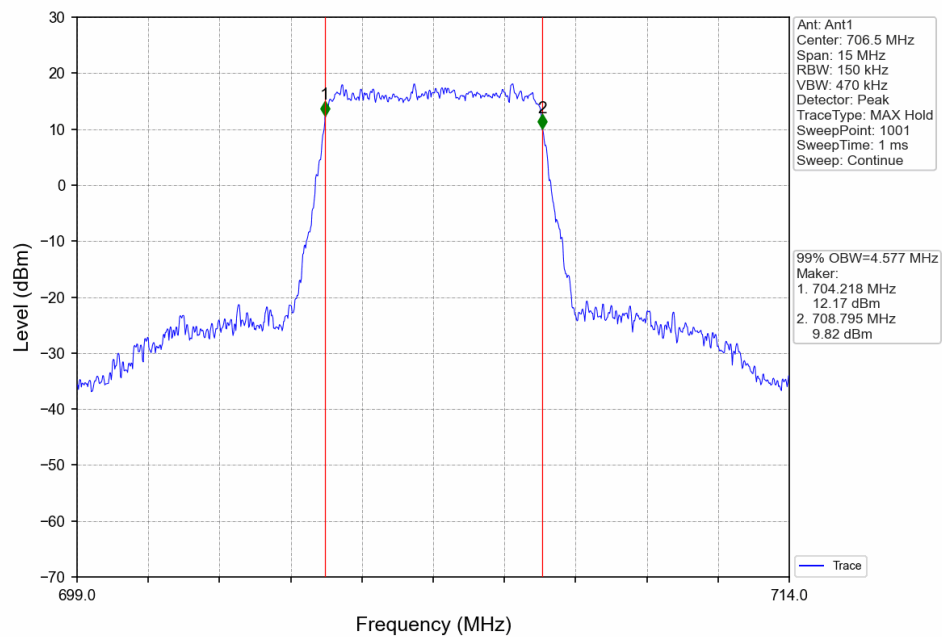




Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

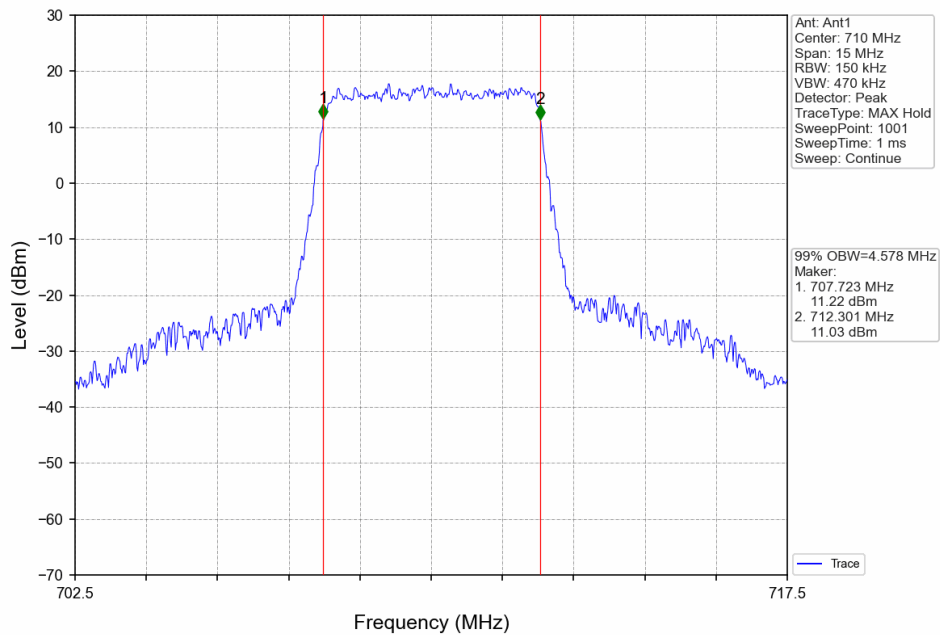


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

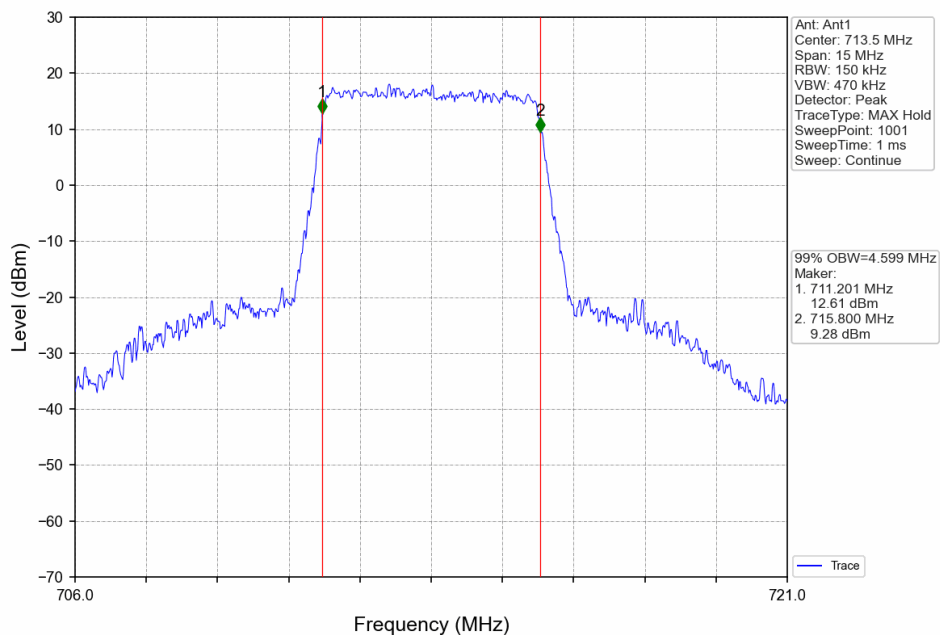




Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

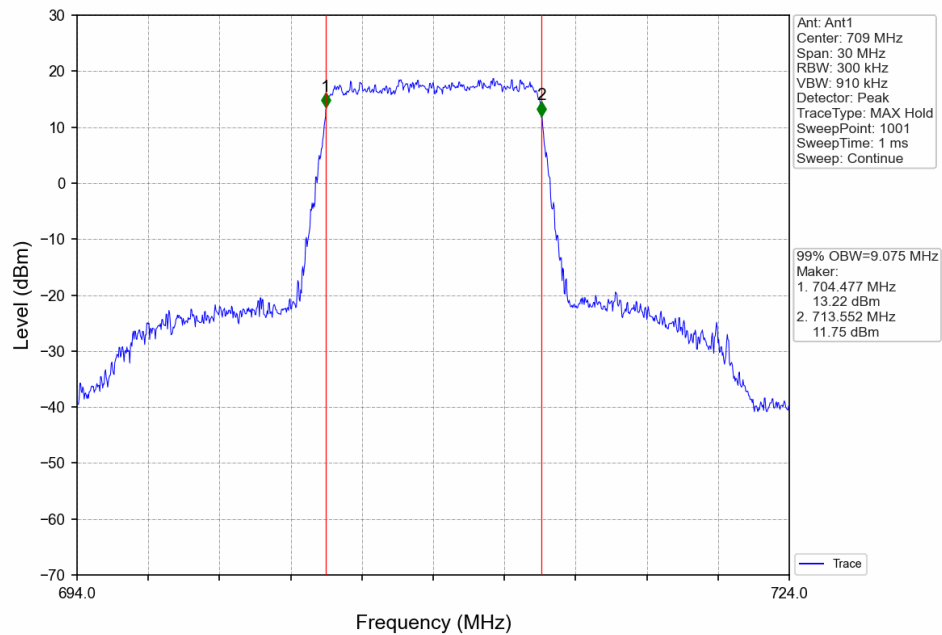


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

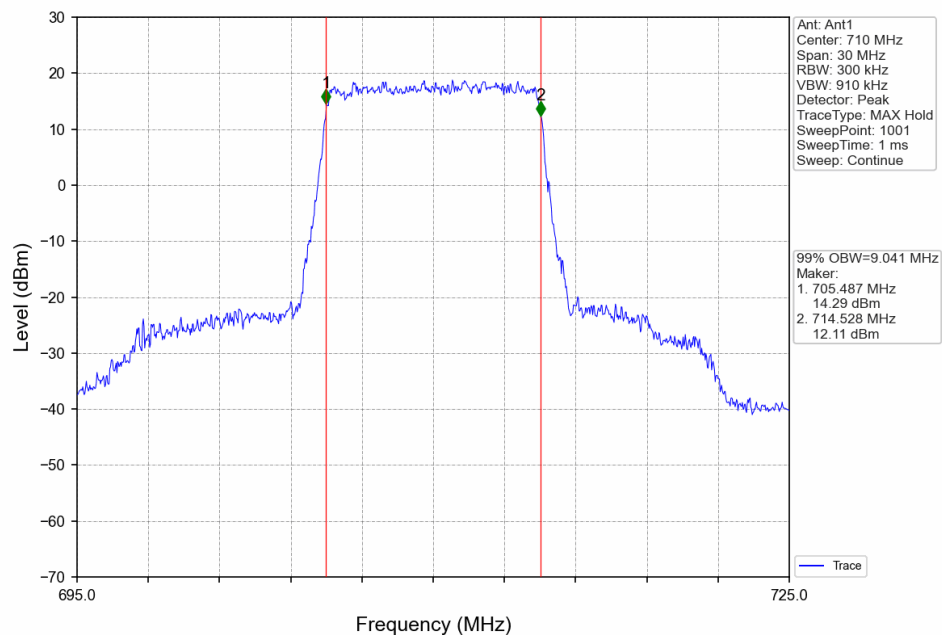




Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

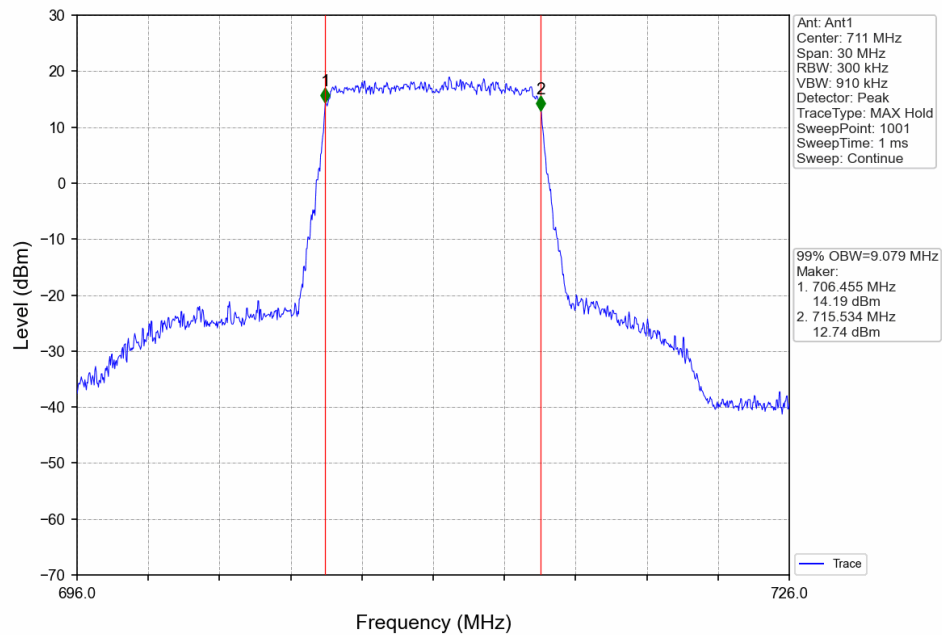


Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV

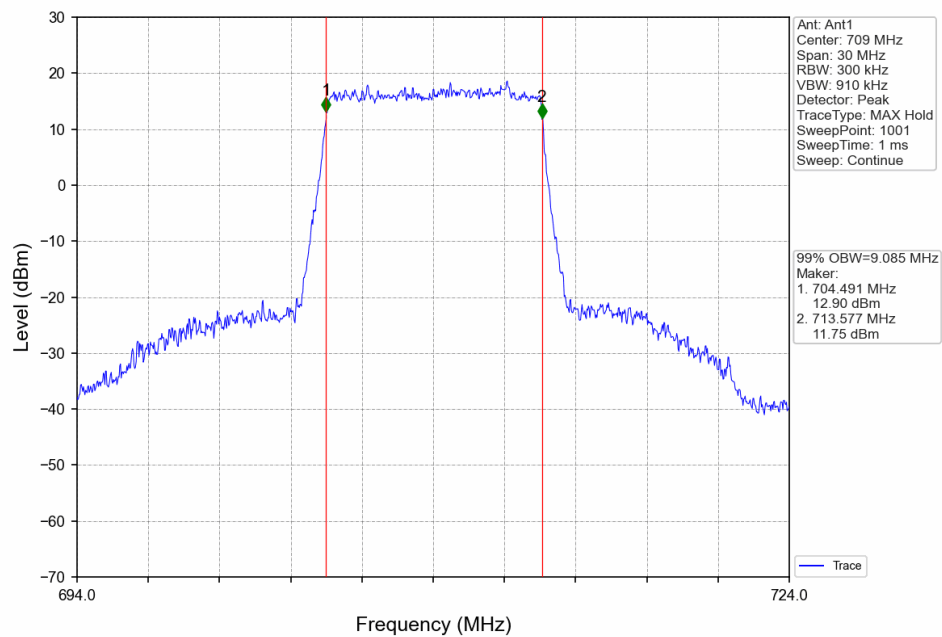




Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

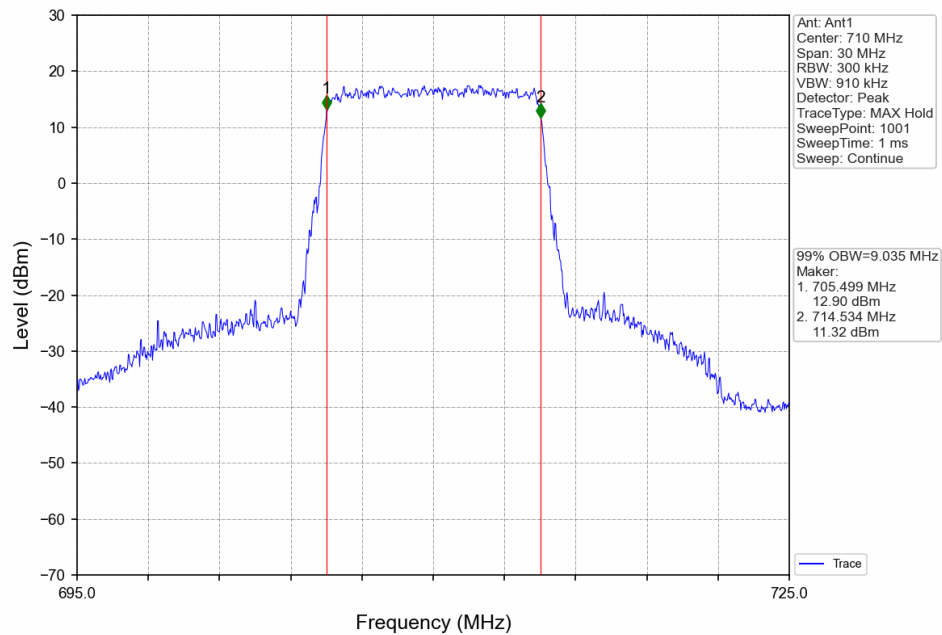


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

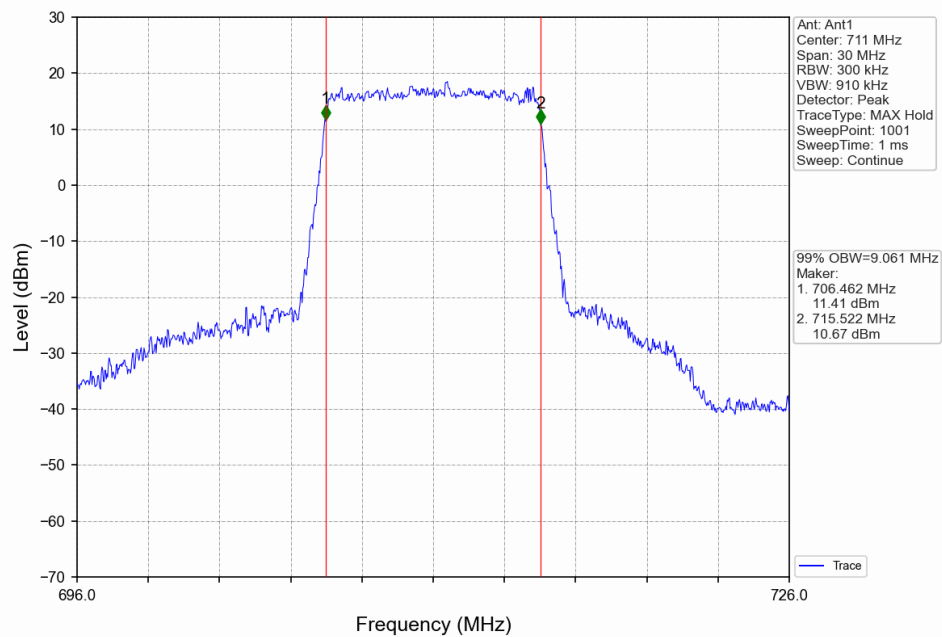




Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



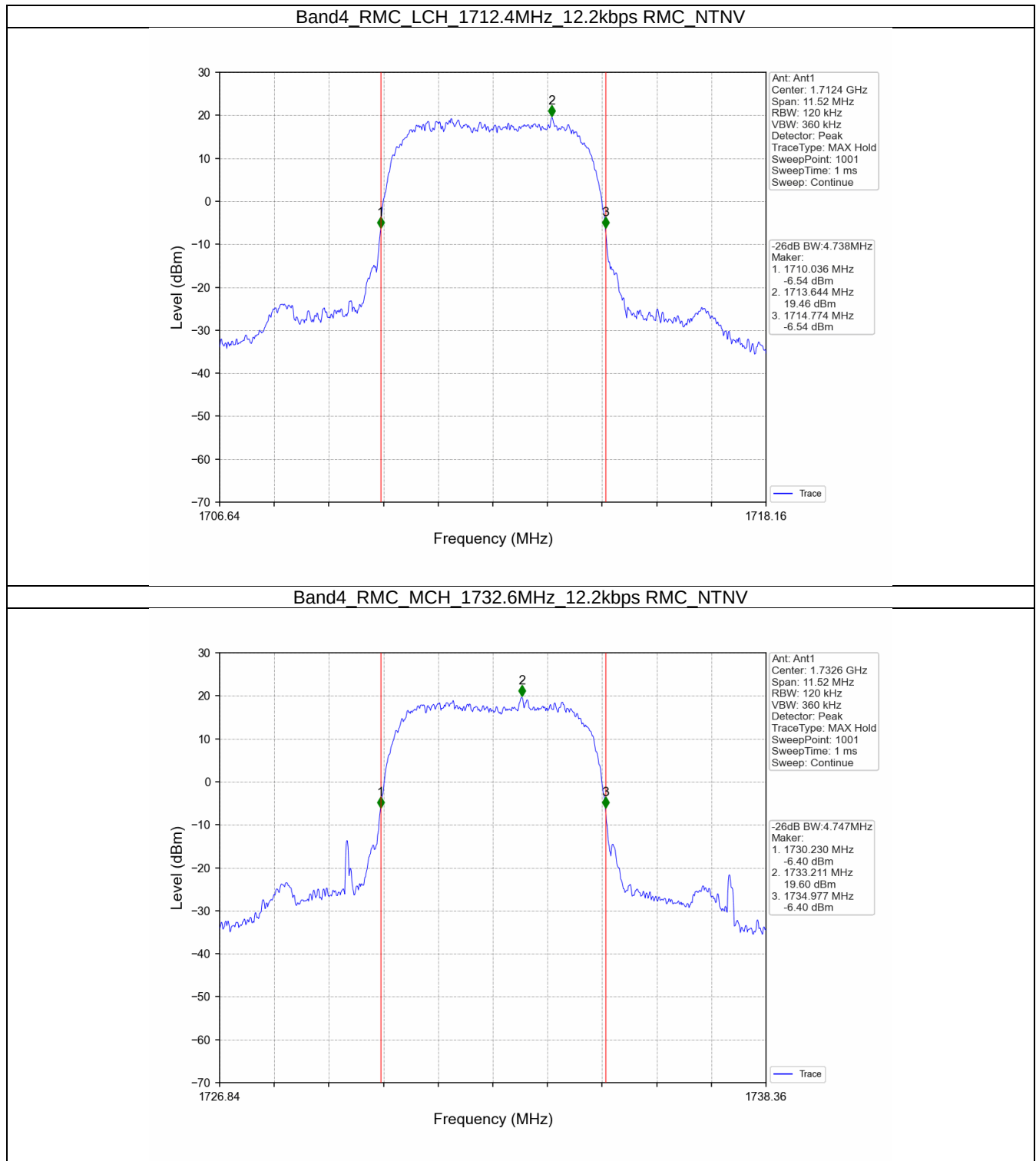
2.6. WCDMA_Band4_26DB

2.6.1. Test Result

Band: 4					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1712.4	4.738	Pass
			1732.6	4.747	Pass
			1752.6	4.760	Pass

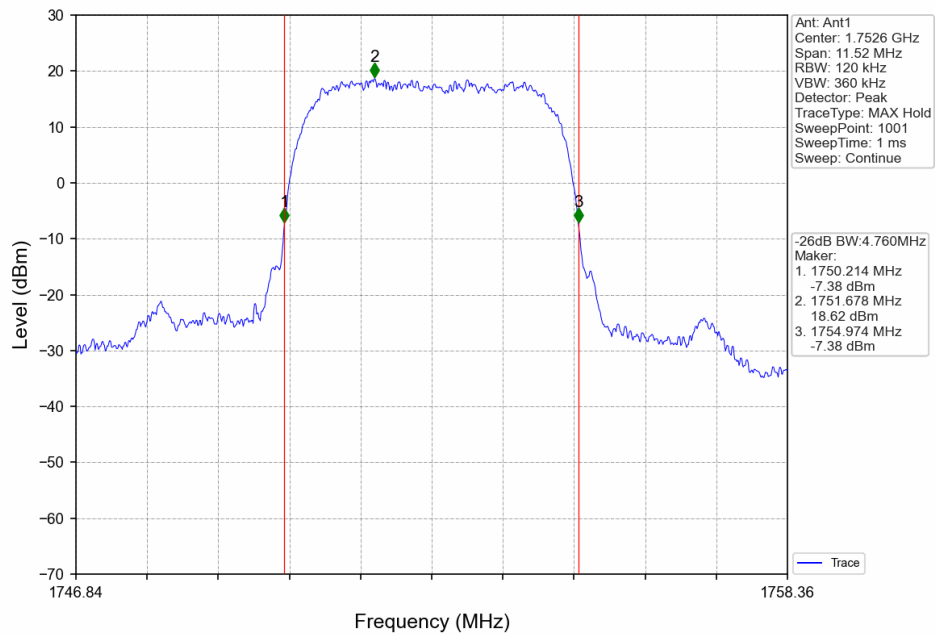


2.6.2. Test Graph





Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV





2.7. LTE_Band4_26DB

2.7.1. Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.330	Pass
		1732.5	6	0	1.347	Pass
		1754.3	6	0	1.325	Pass
	16QAM	1710.7	6	0	1.309	Pass
		1732.5	6	0	1.535	Pass
		1754.3	6	0	1.316	Pass
3	QPSK	1711.5	15	0	2.982	Pass
		1732.5	15	0	2.995	Pass
		1753.5	15	0	2.995	Pass
	16QAM	1711.5	15	0	3.001	Pass
		1732.5	15	0	3.042	Pass
		1753.5	15	0	2.986	Pass
5	QPSK	1712.5	25	0	4.999	Pass
		1732.5	25	0	5.050	Pass
		1752.5	25	0	5.001	Pass
	16QAM	1712.5	25	0	5.009	Pass
		1732.5	25	0	5.044	Pass
		1752.5	25	0	5.077	Pass
10	QPSK	1715	50	0	9.974	Pass
		1732.5	50	0	9.901	Pass
		1750	50	0	10.018	Pass
	16QAM	1715	50	0	9.971	Pass
		1732.5	50	0	9.973	Pass
		1750	50	0	9.926	Pass
15	QPSK	1717.5	75	0	15.050	Pass
		1732.5	75	0	14.858	Pass
		1747.5	75	0	14.925	Pass
	16QAM	1717.5	75	0	14.925	Pass
		1732.5	75	0	14.880	Pass
		1747.5	75	0	14.874	Pass
20	QPSK	1720	100	0	19.696	Pass
		1732.5	100	0	19.782	Pass
		1745	100	0	19.714	Pass
	16QAM	1720	100	0	19.787	Pass
		1732.5	100	0	19.988	Pass
		1745	100	0	19.745	Pass



2.7.2. Test Graph

