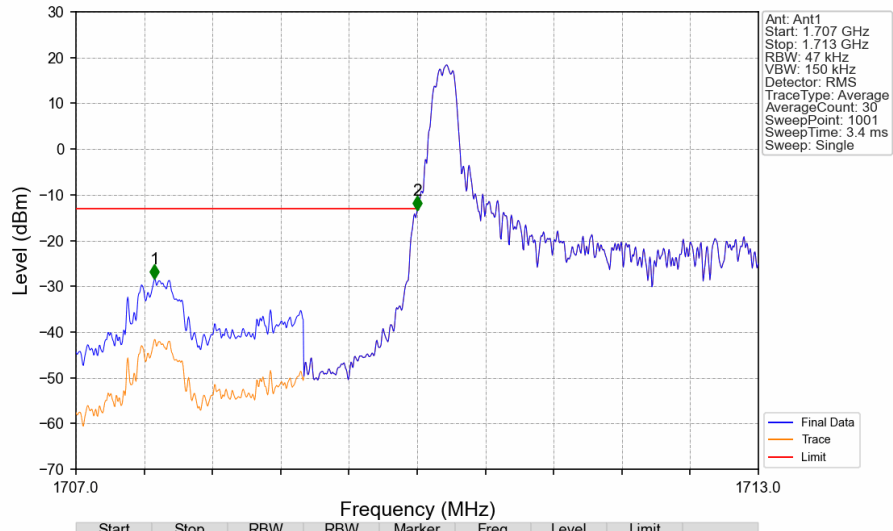
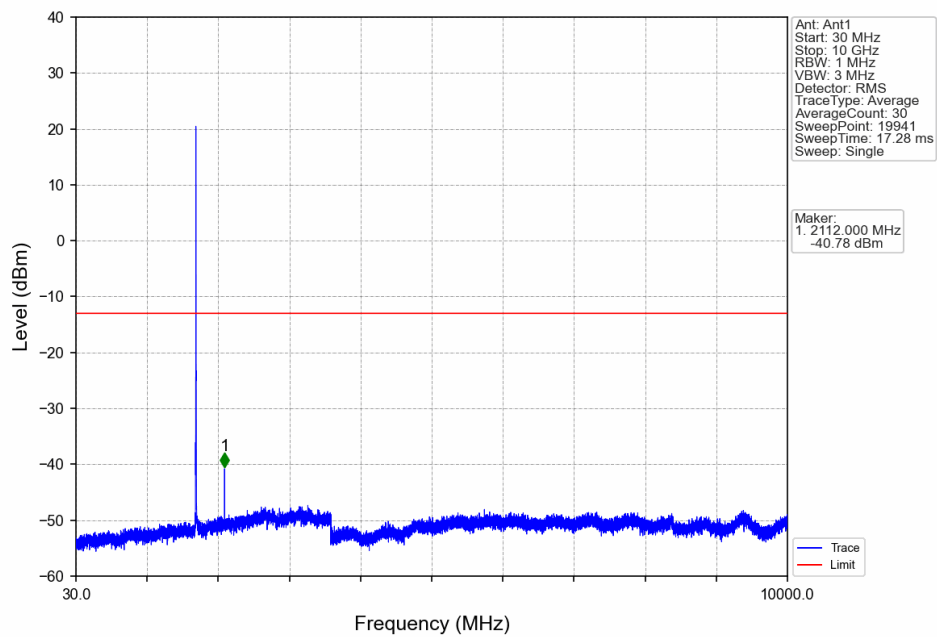


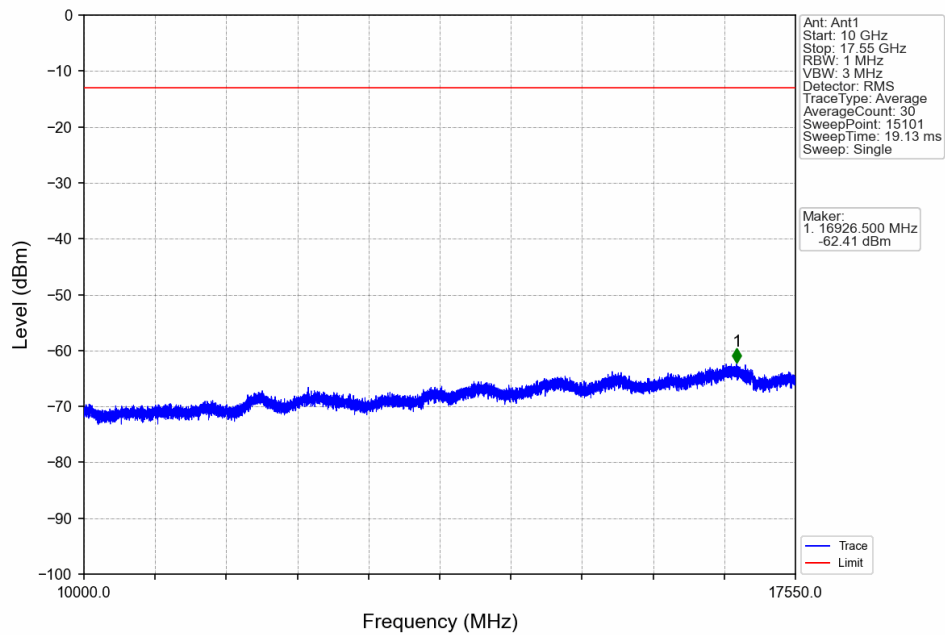
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTN



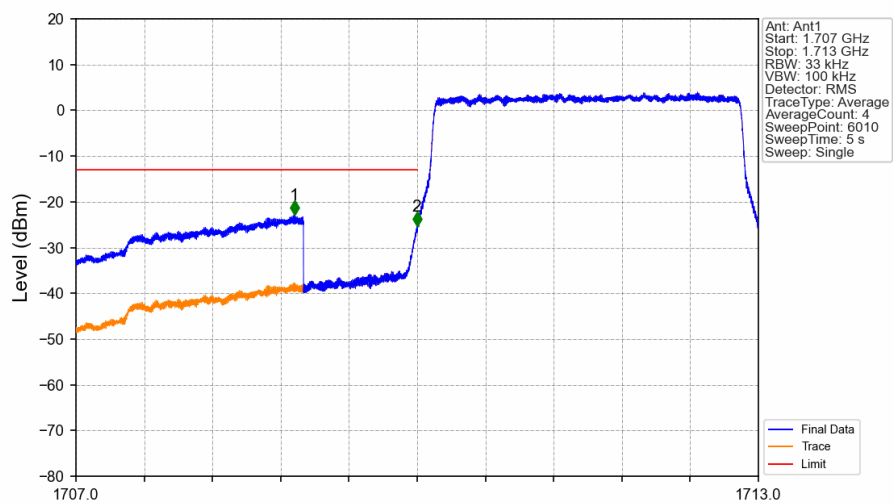
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0 NTN



Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTV

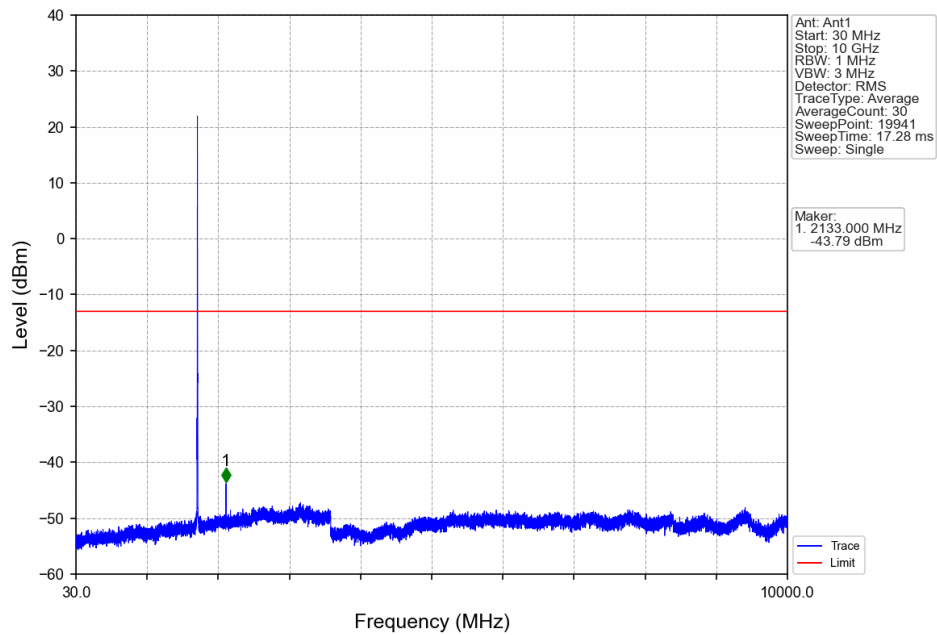


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTV

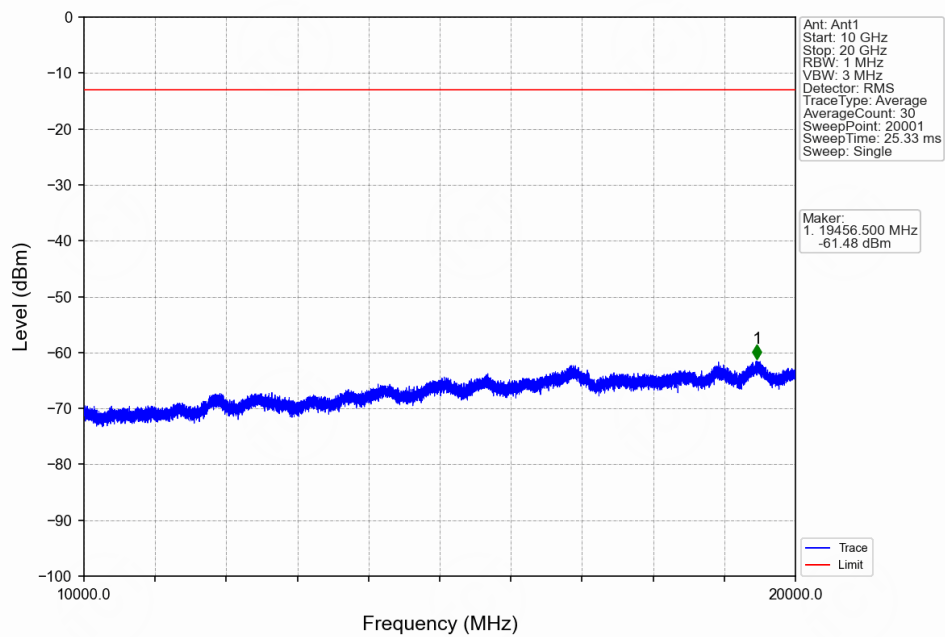


Frequency (MHz)								
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	14.81	1	1708.921	-22.88	-13	Pass
1709	1710	0.033	0	2	1709.997	-25.35	-13	Pass
1710	1713	0.033	0	/	/	/	/	/

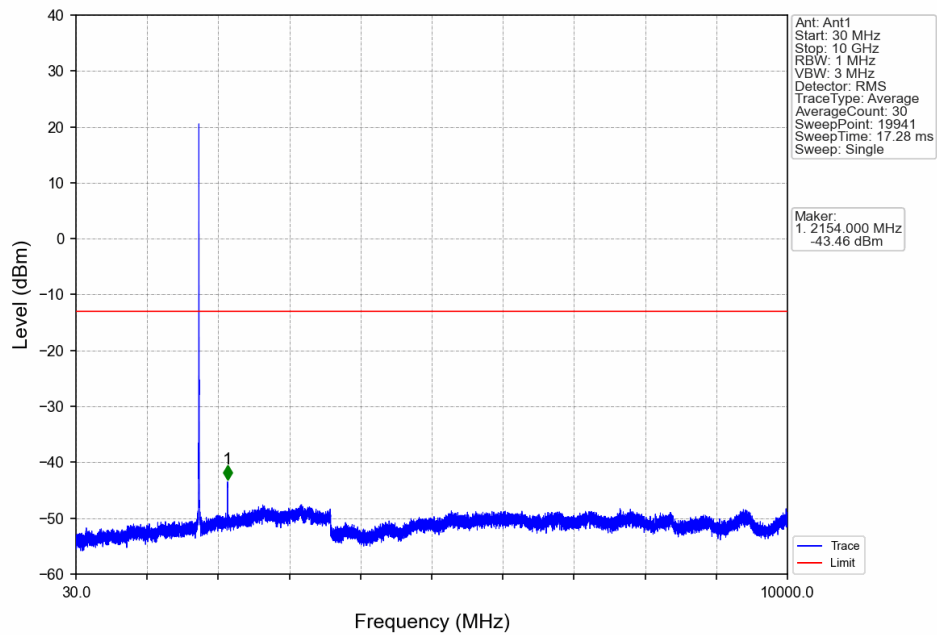
Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTV



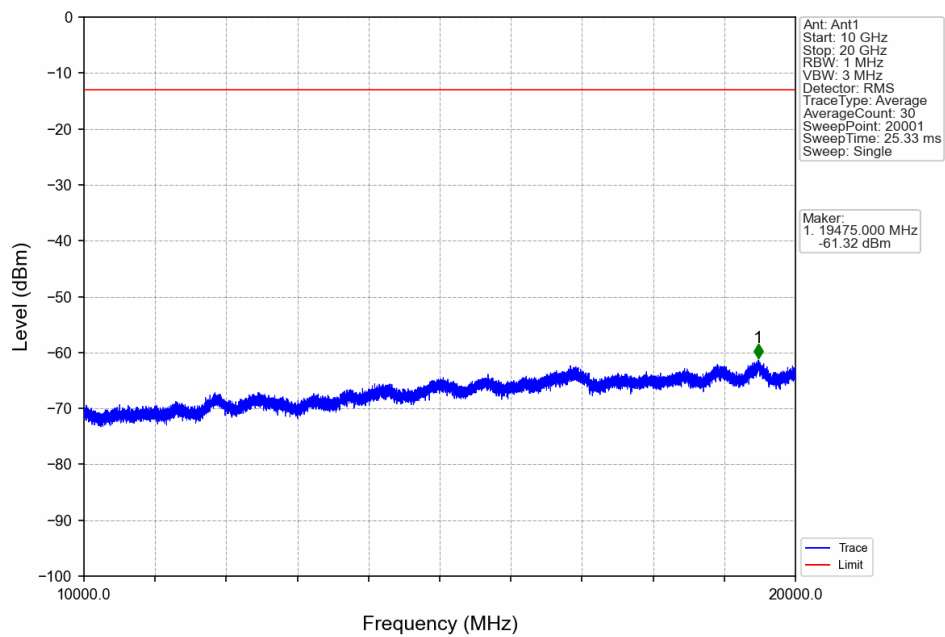
Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTV



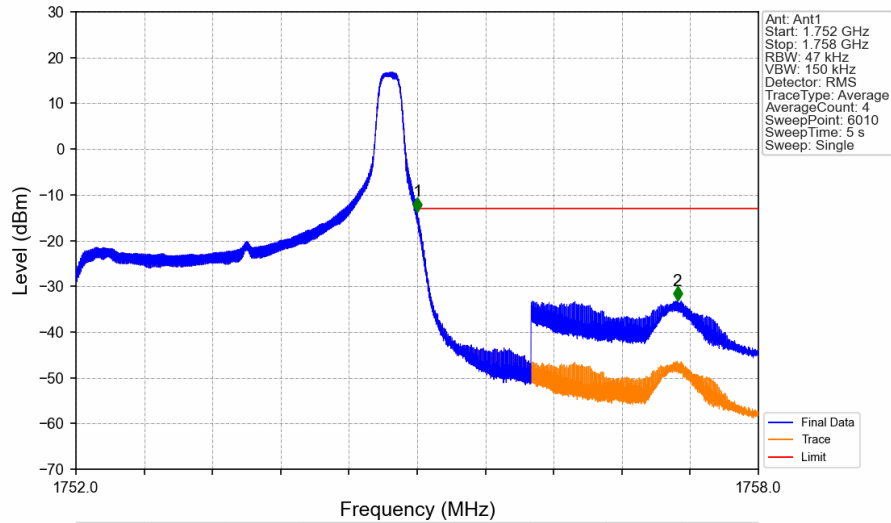
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTV



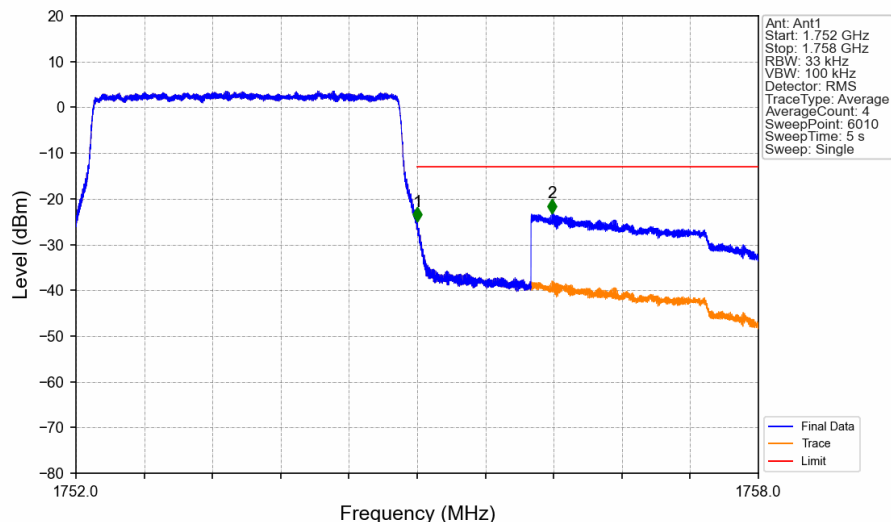
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTV



Band4 3MHz 16QAM HCH 1753.5MHz RB 1 14 NTV



Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTV

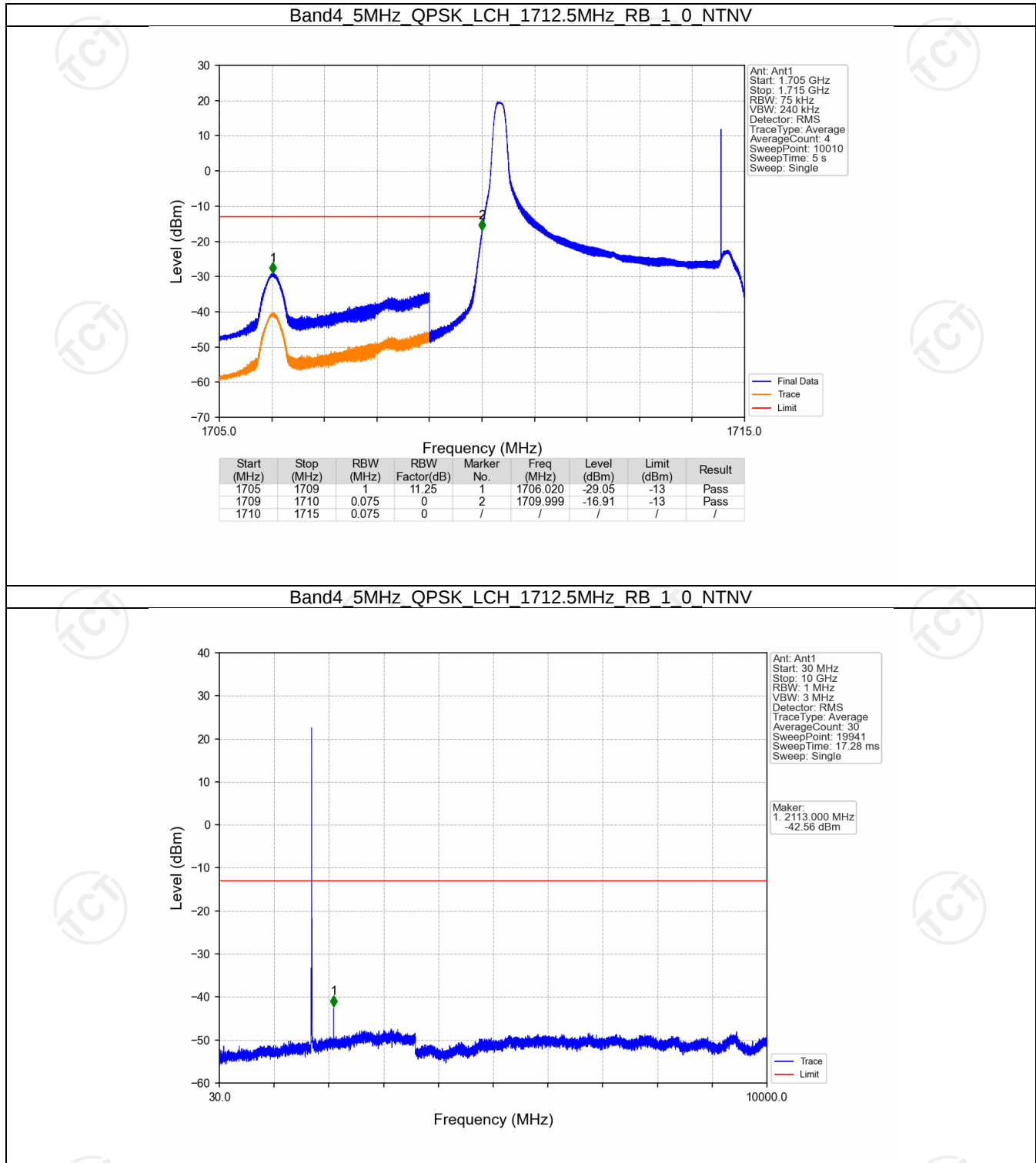


6.3 B4_5MHz

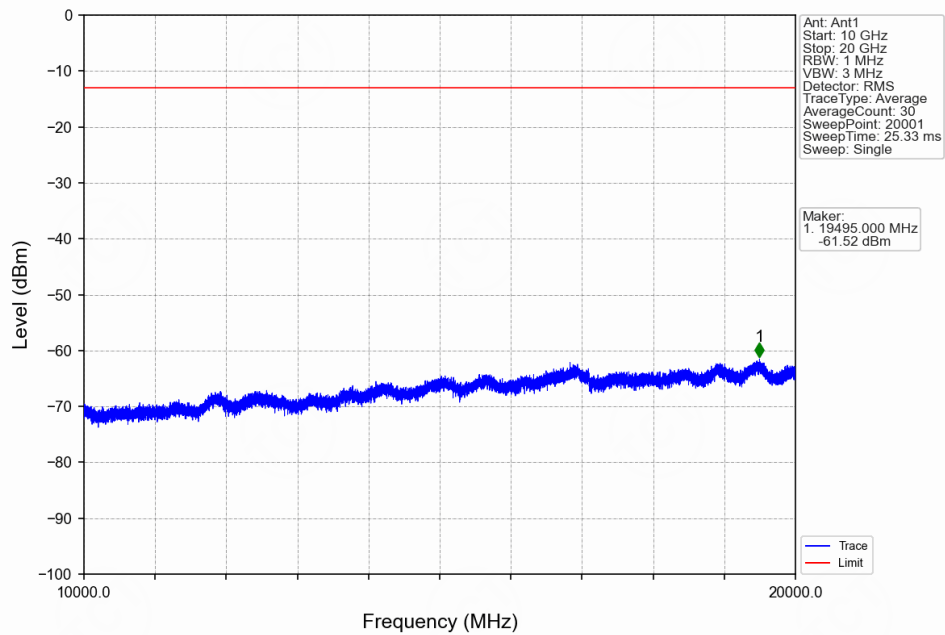
6.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	1712.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1752.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	1712.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1752.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

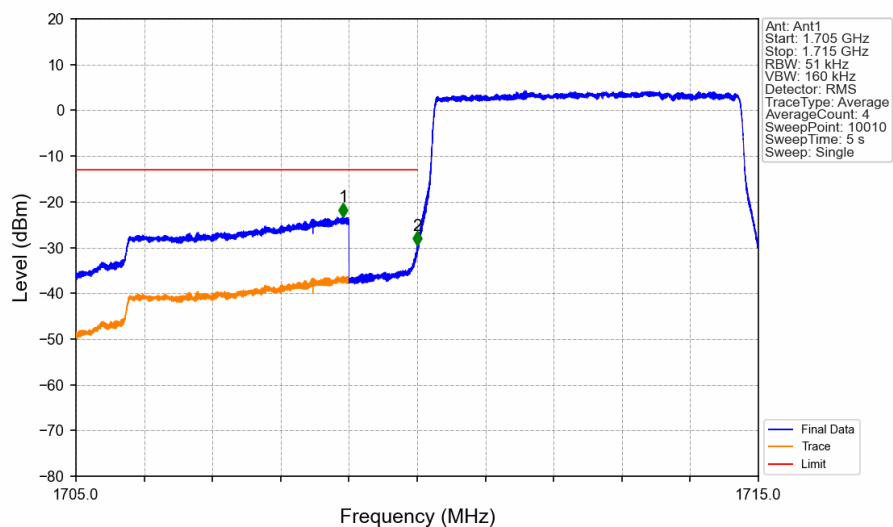
6.3.2 Test Graph



Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTNV

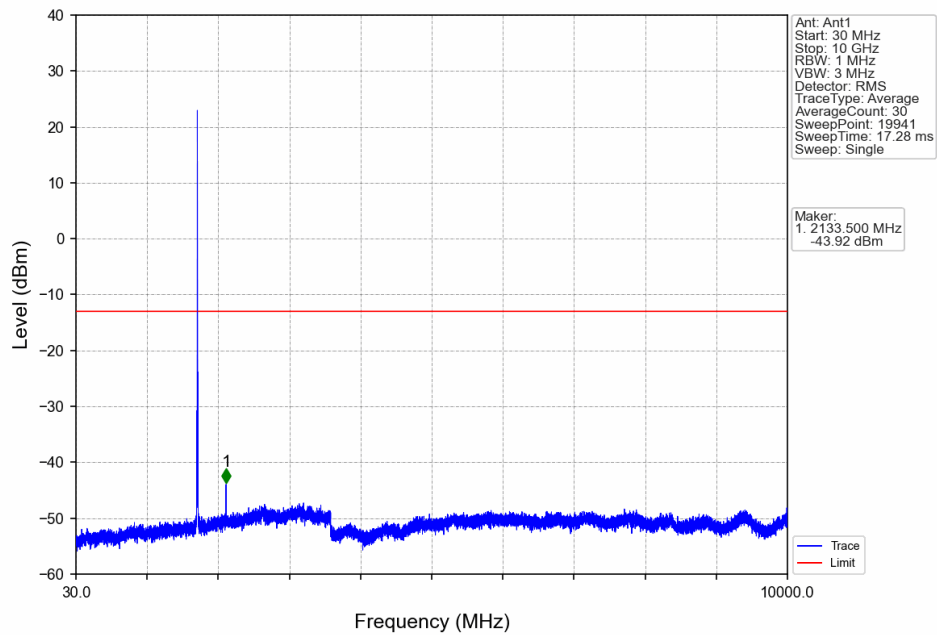


Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV

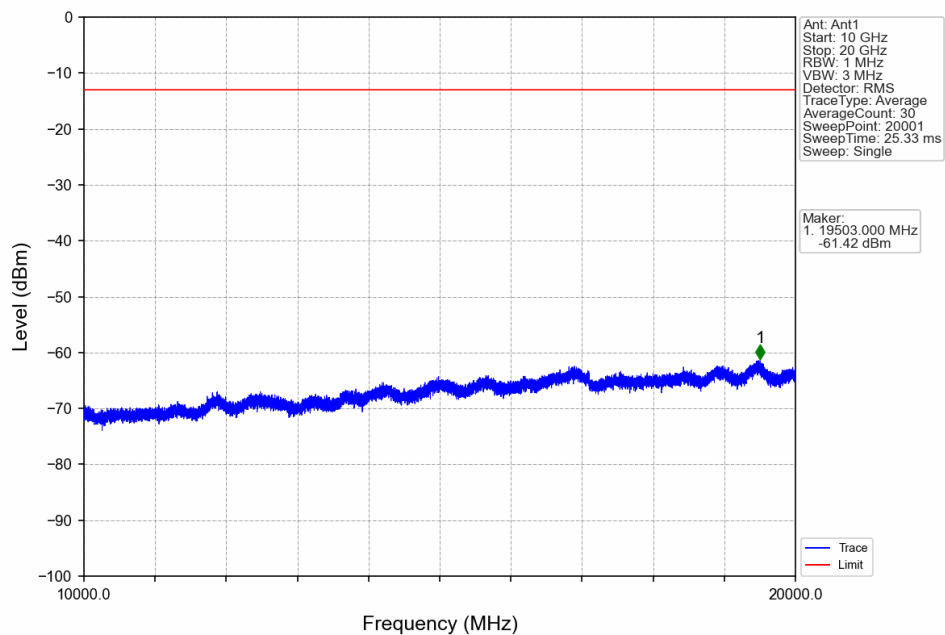


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	12.92	1	1708.915	-23.31	-13	Pass
1709	1710	0.051	0	2	1709.998	-29.62	-13	Pass
1710	1715	0.051	0	/	/	/	/	/

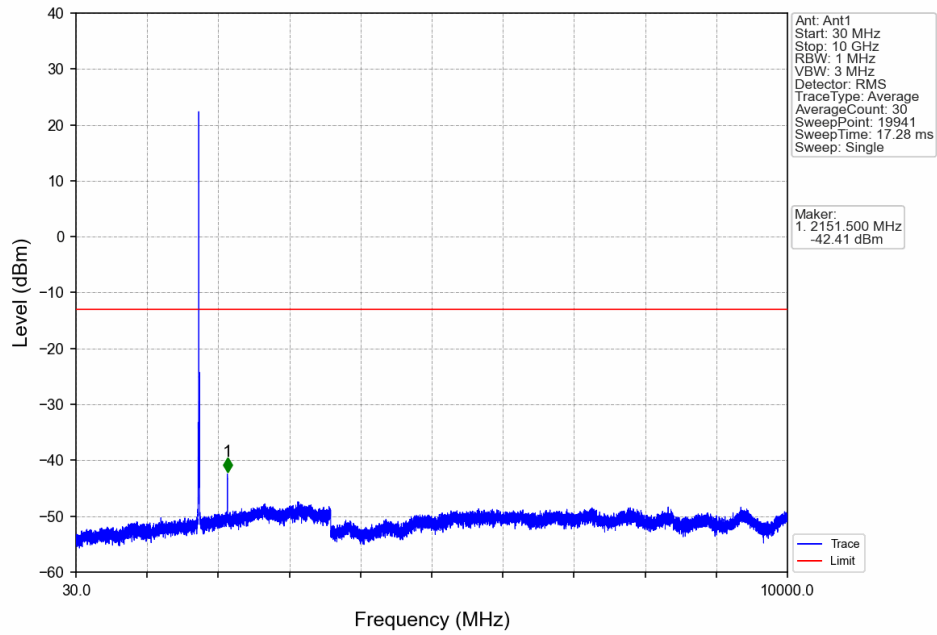
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



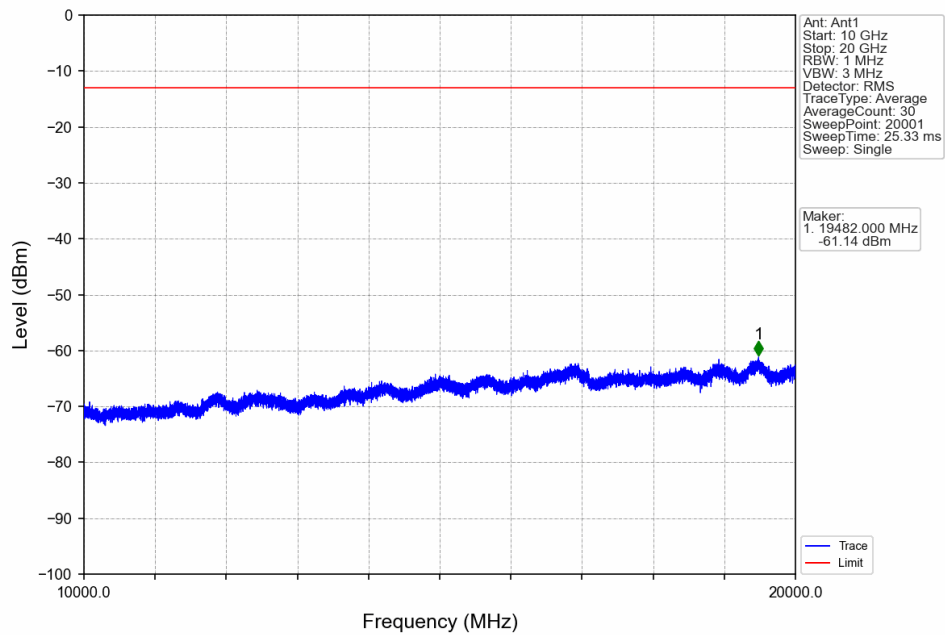
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



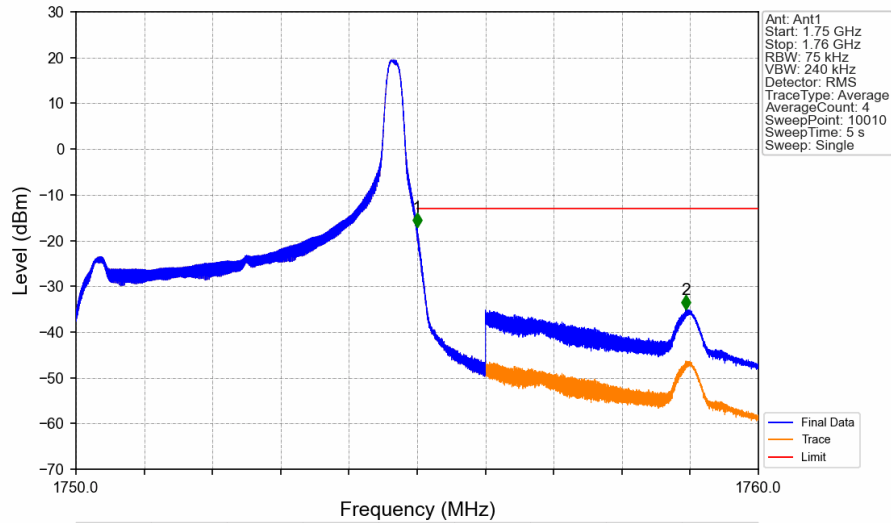
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



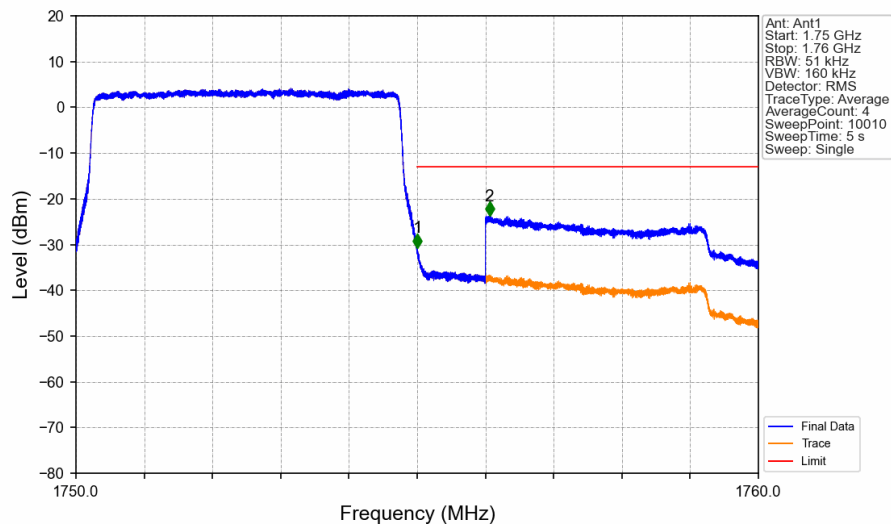
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



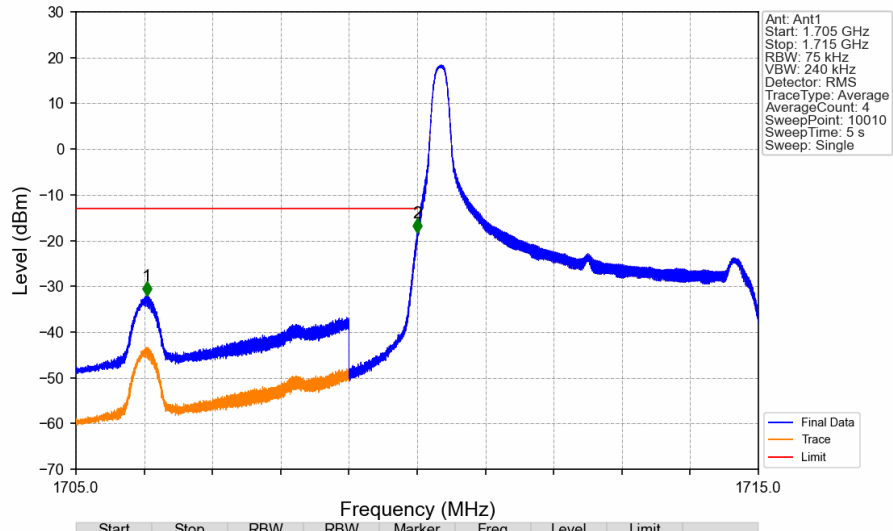
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

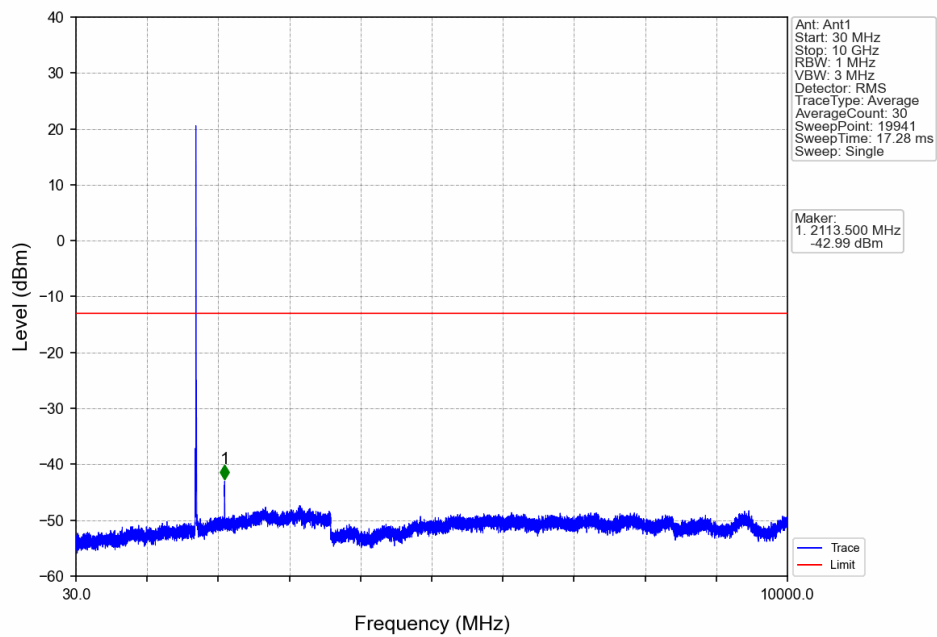


Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTN

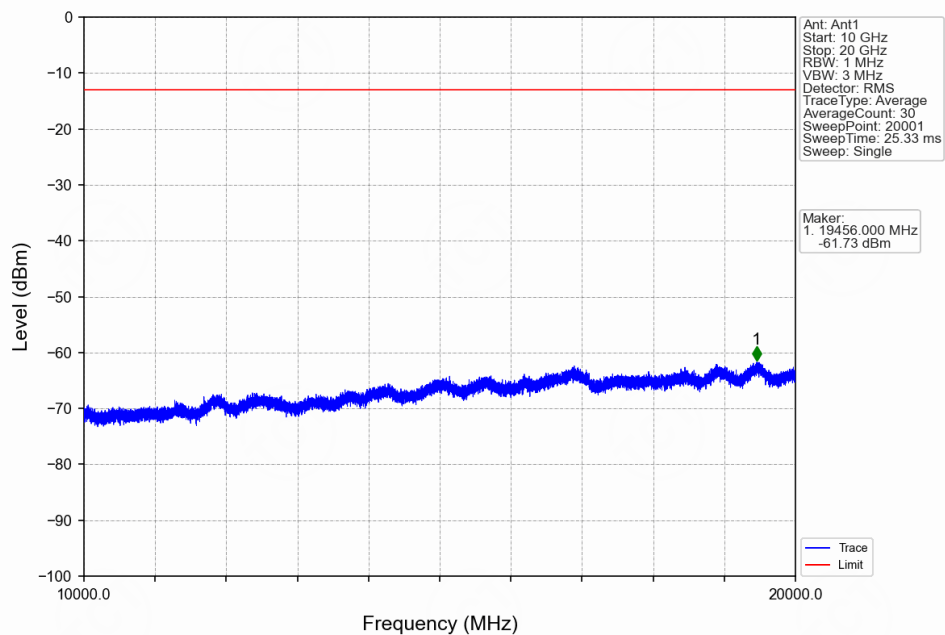


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	11.25	1	1706.040	-32.07	-13	Pass
1709	1710	0.075	0	2	1709.999	-18.28	-13	Pass
1710	1715	0.075	0	/	/	/	/	/

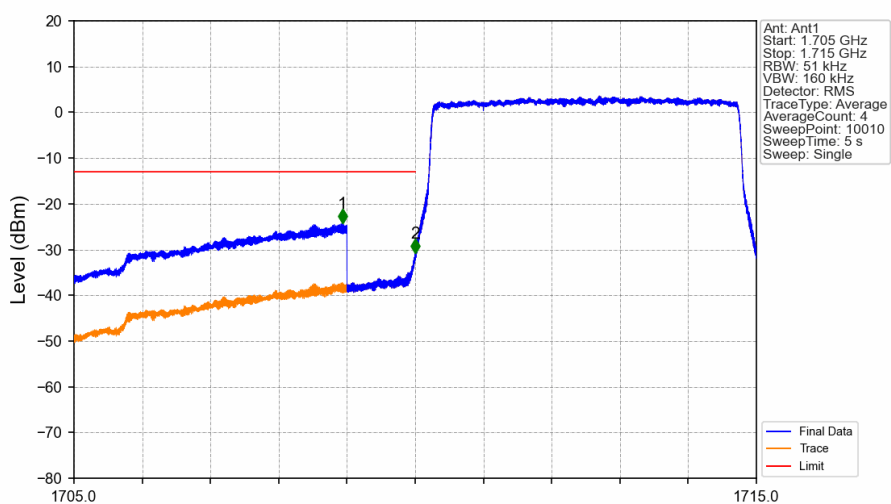
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0 NTN



Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV

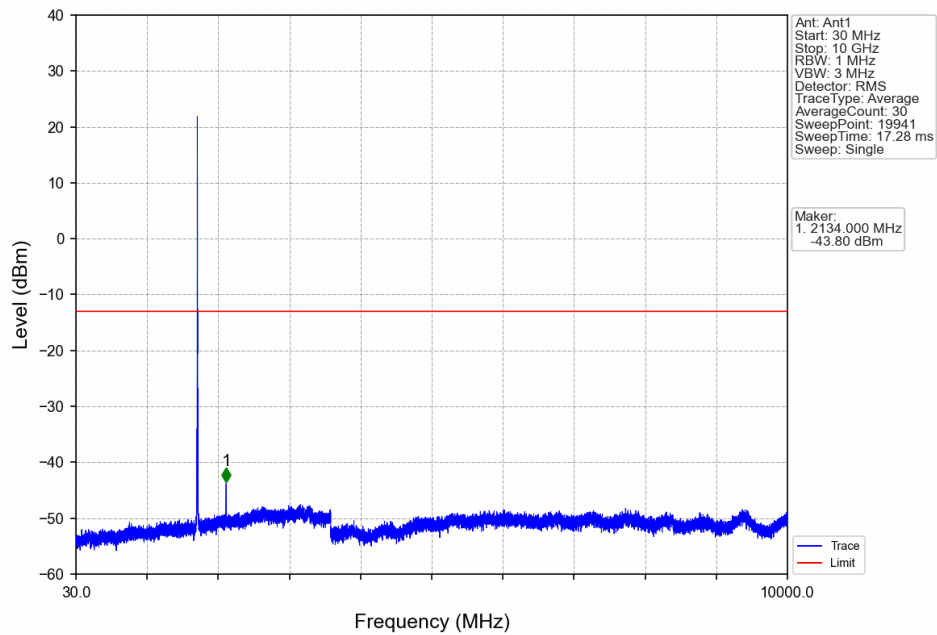


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

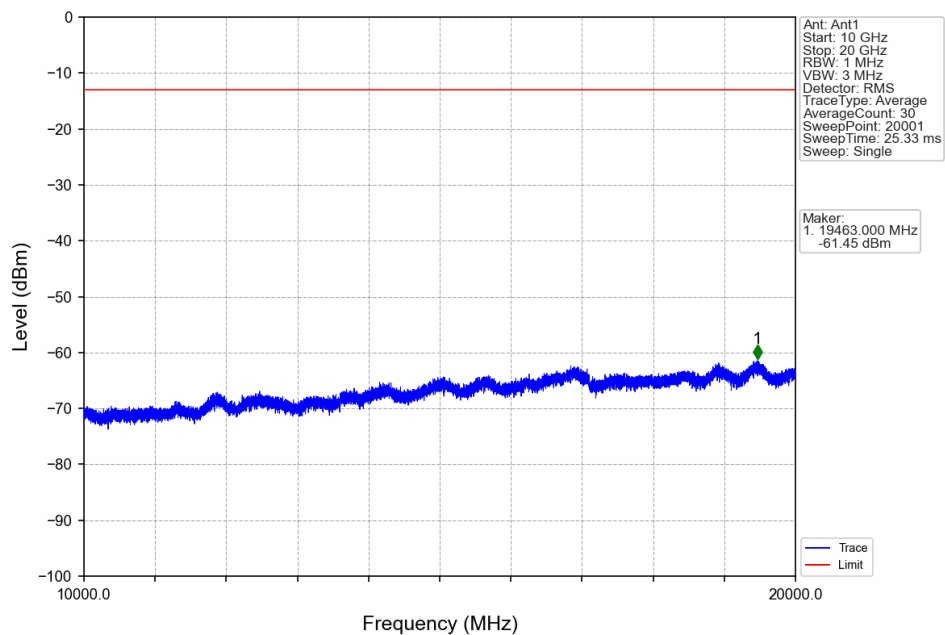


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	12.92	1	1708.934	-24.31	-13	Pass
1709	1710	0.051	0	2	1709.999	-30.85	-13	Pass
1710	1715	0.051	0	/	/	/	/	/

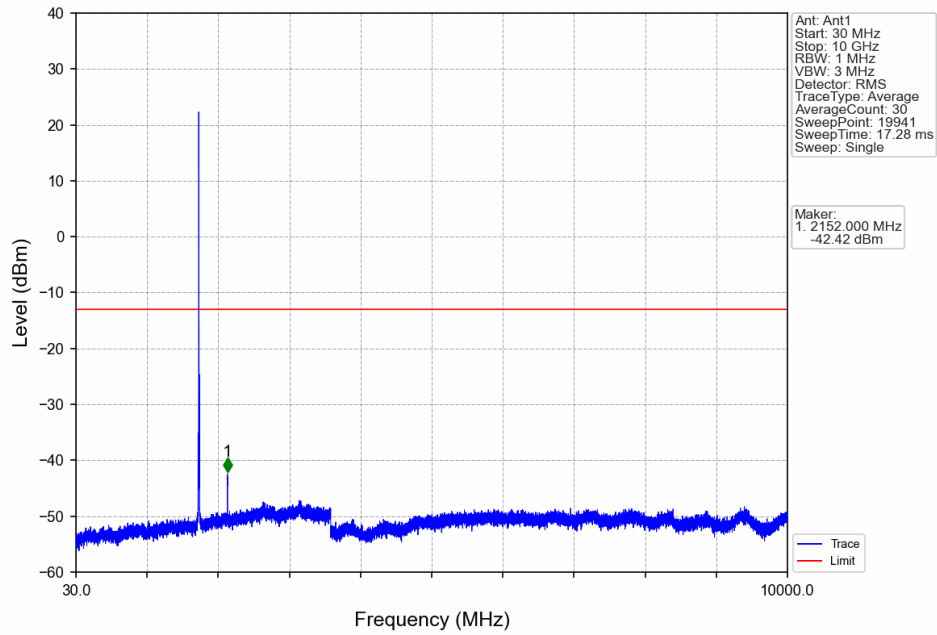
Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTV



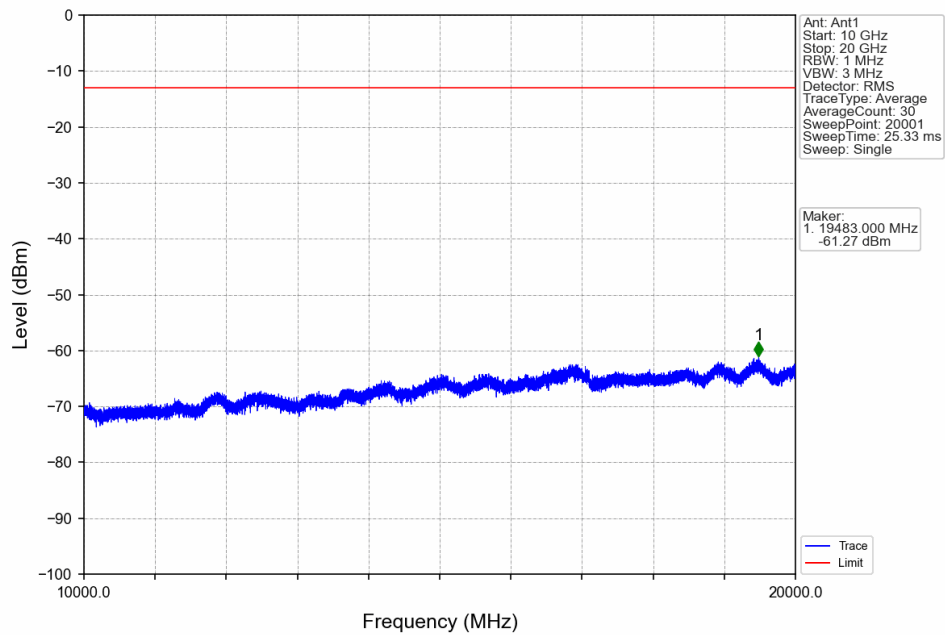
Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTV



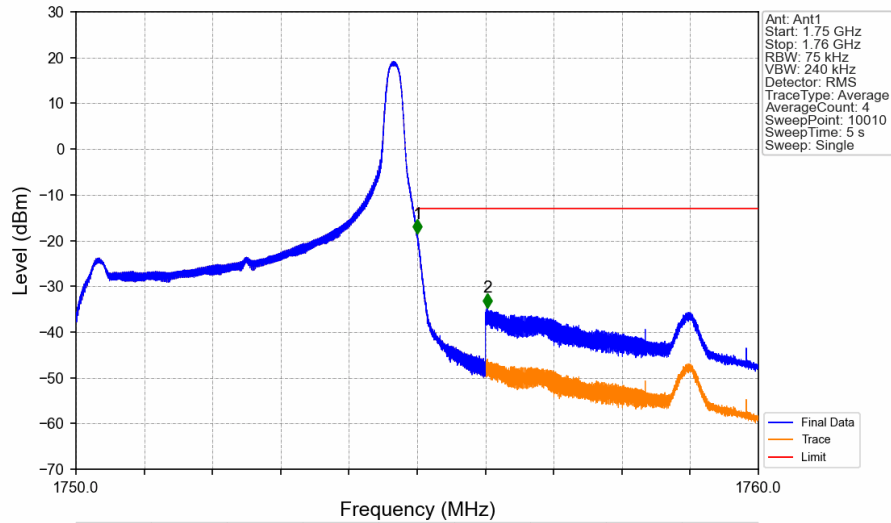
Band4 5MHz 16QAM HCH 1752.5MHz RB 1 0 NTV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTV

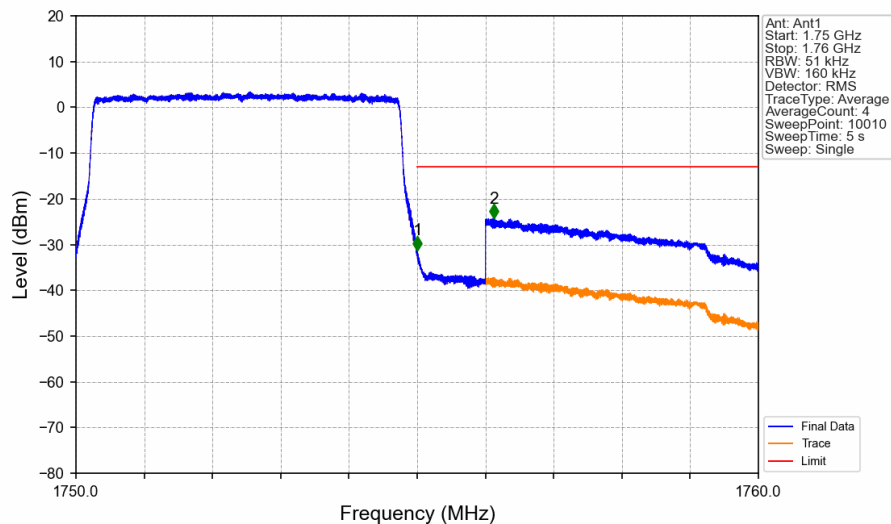


Band4 5MHz 16QAM HCH 1752.5MHz RB 1 24 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.075	0	/	/	/	/	/
1755	1756	0.075	0	1	1755.001	-18.57	-13	Pass
1756	1760	1	11.25	2	1756.030	-34.64	-13	Pass

Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



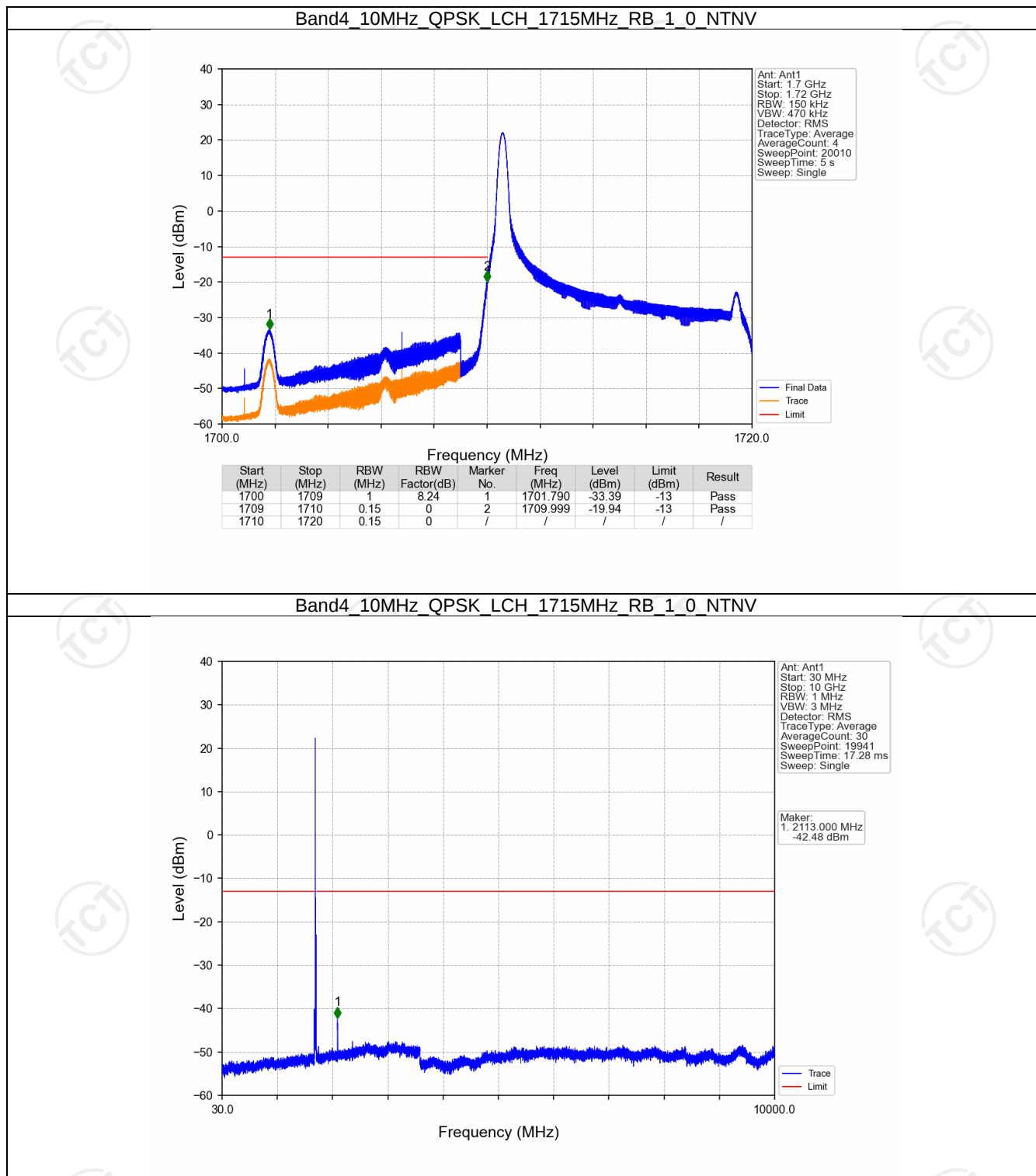
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	0	/	/	/	/	/
1755	1756	0.051	0	1	1755.001	-31.26	-13	Pass
1756	1760	1	12.92	2	1756.119	-24.27	-13	Pass

6.4 B4_10MHz

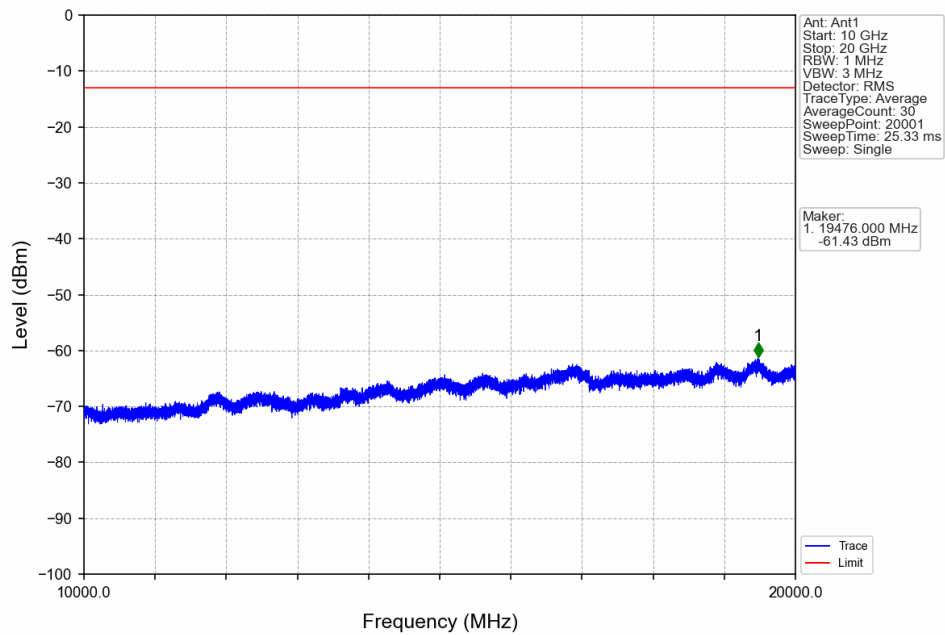
6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	1715	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1750	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	1715	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1750	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

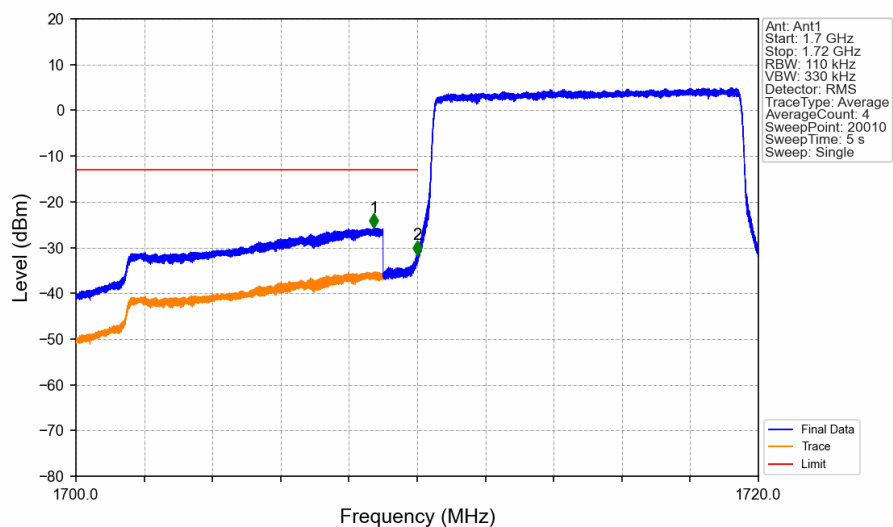
6.4.2 Test Graph



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

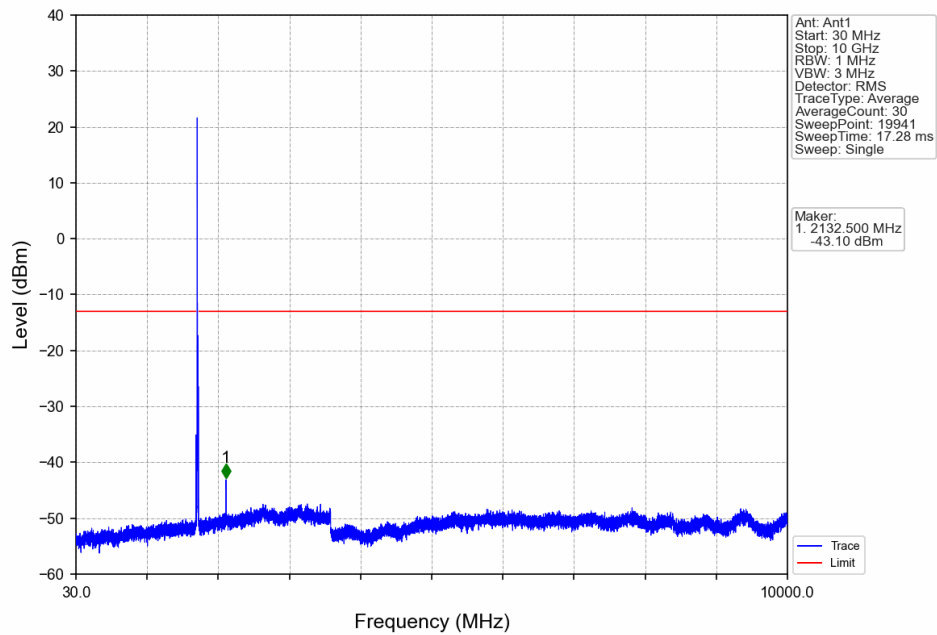


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

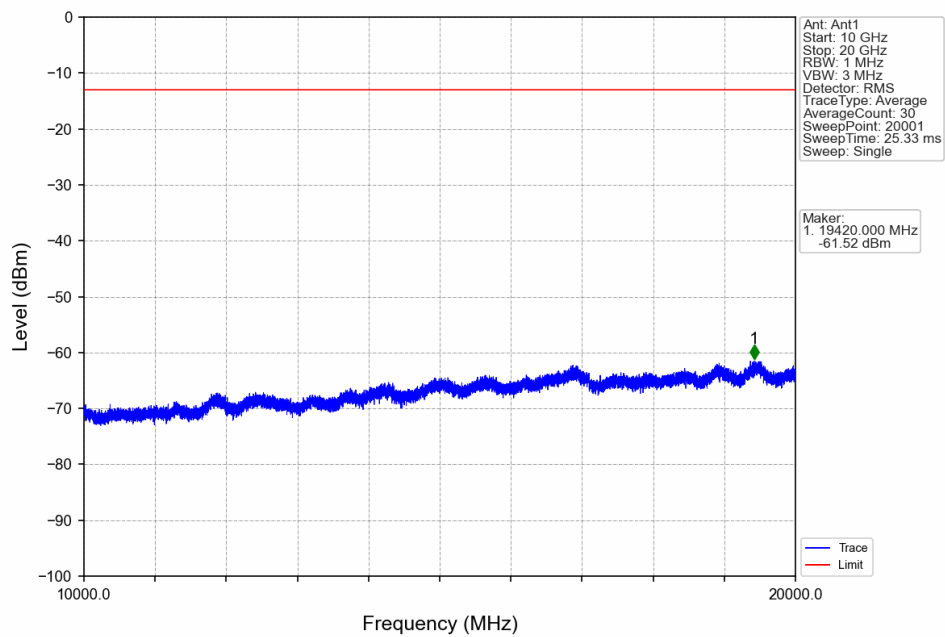


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	9.59	1	1708.731	-25.69	-13	Pass
1709	1710	0.11	0	2	1709.999	-31.59	-13	Pass
1710	1720	0.11	0	/	/	/	/	/

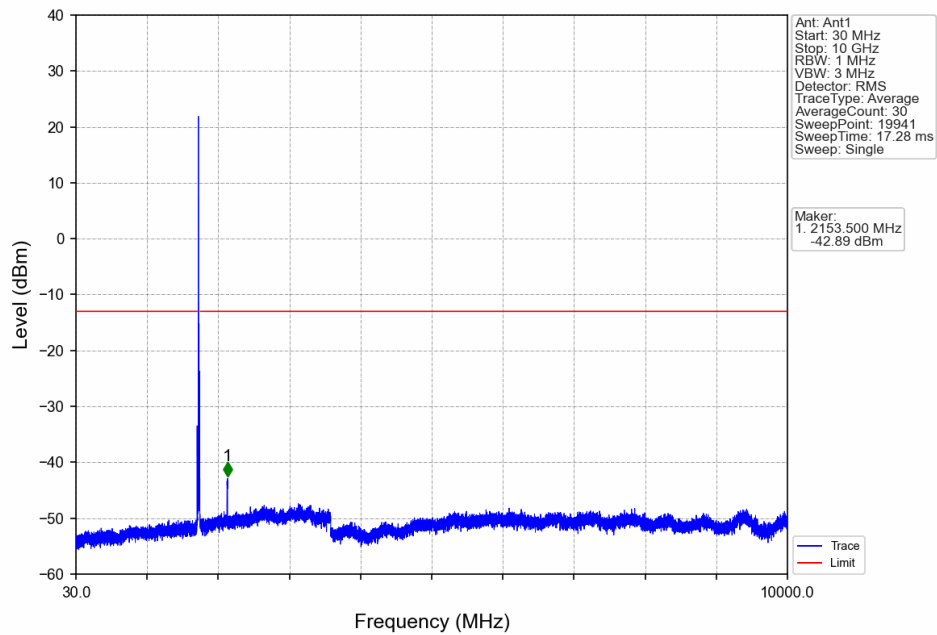
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



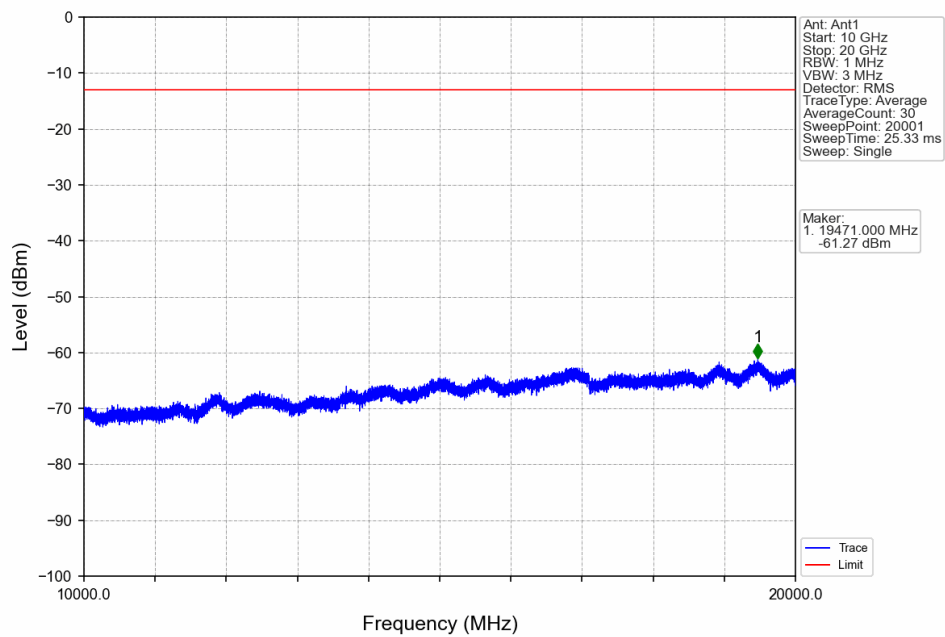
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



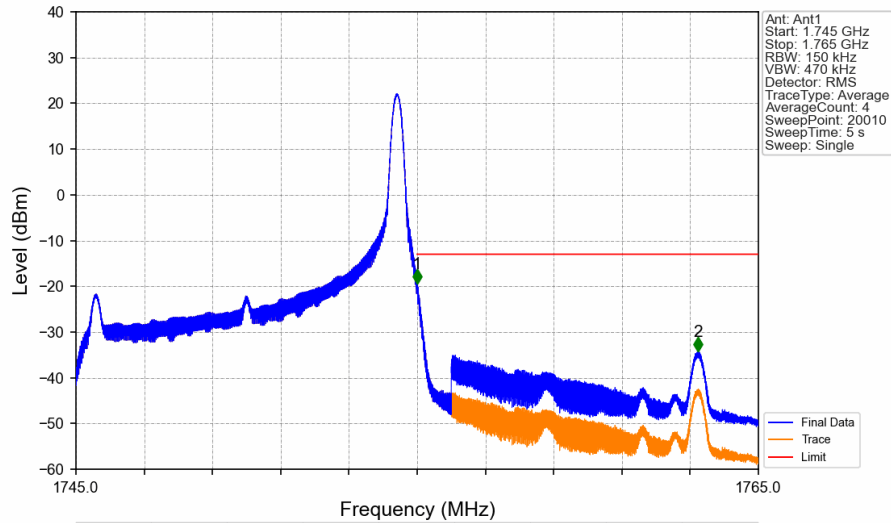
Band4 10MHz QPSK HCH 1750MHz RB 1 0 NTNV



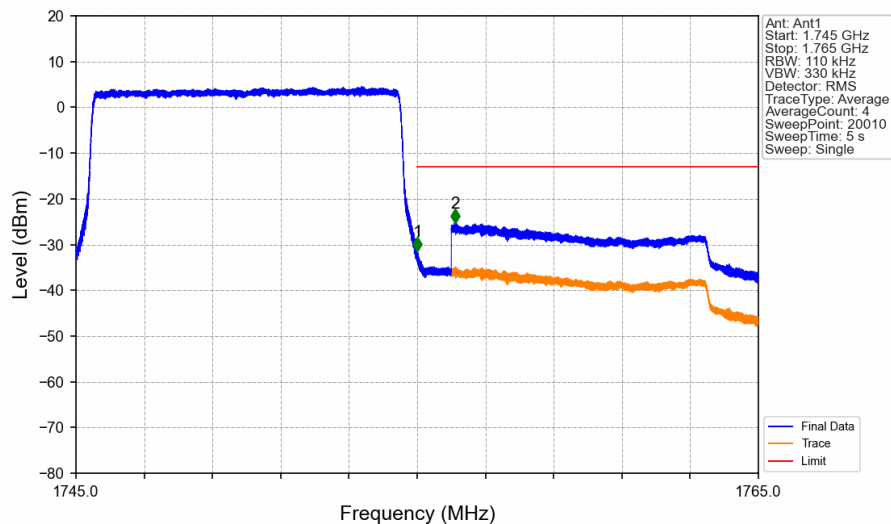
Band4 10MHz QPSK HCH 1750MHz RB 1 0 NTNV



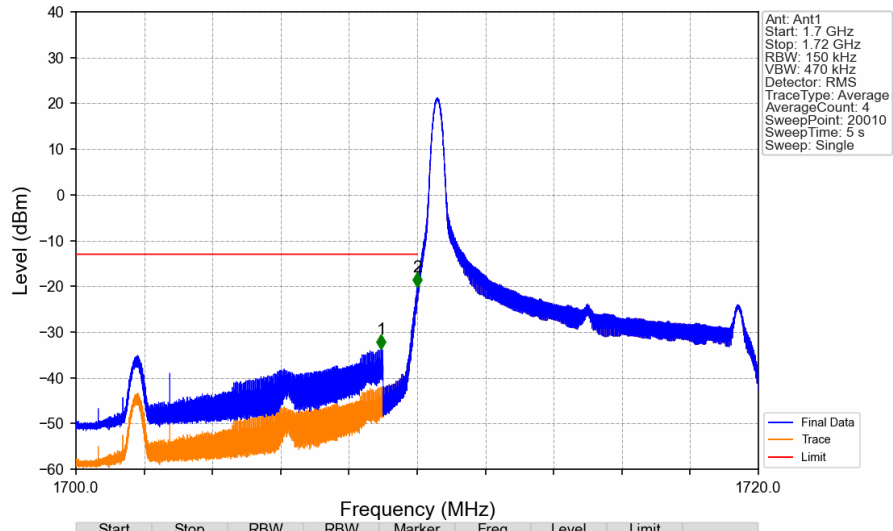
Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



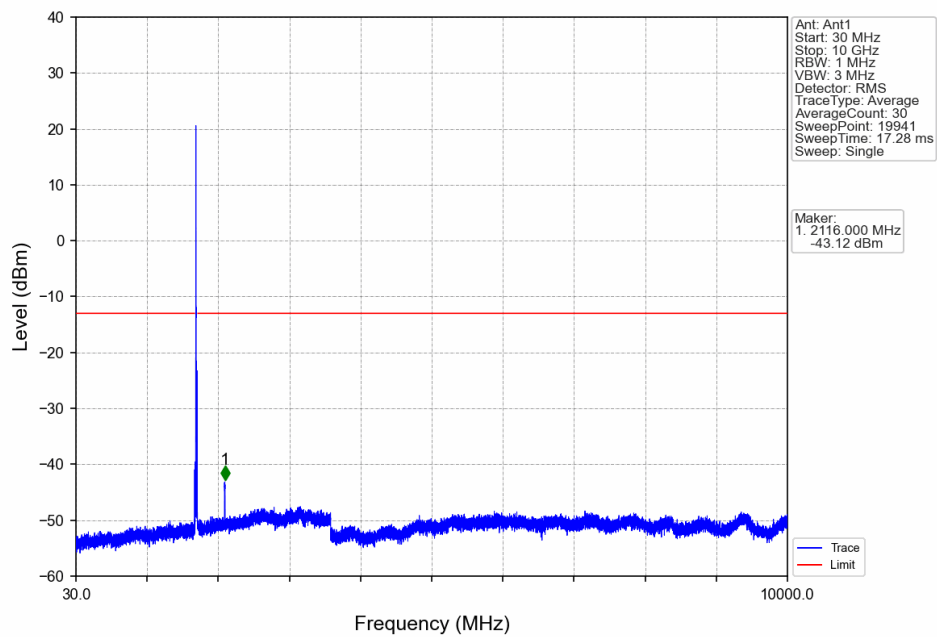
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



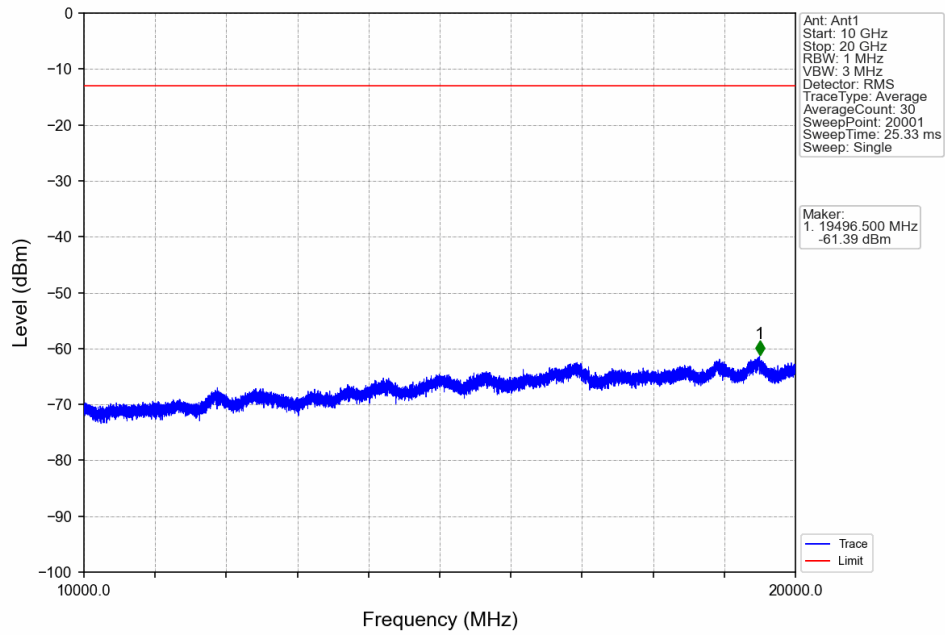
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



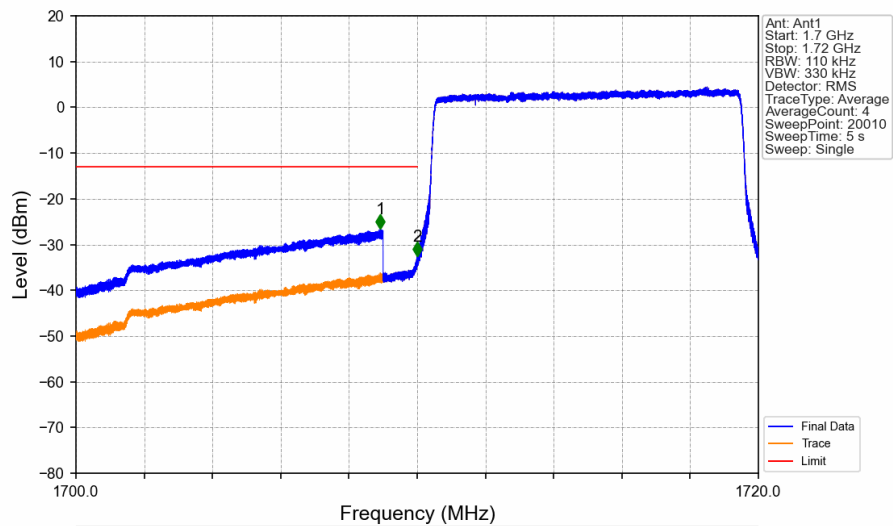
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTN

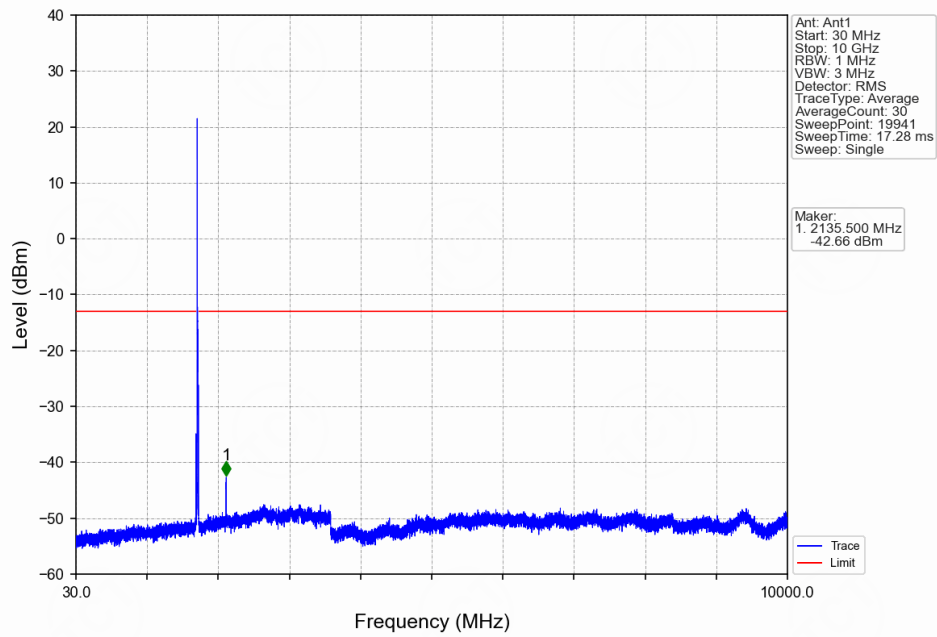


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTN

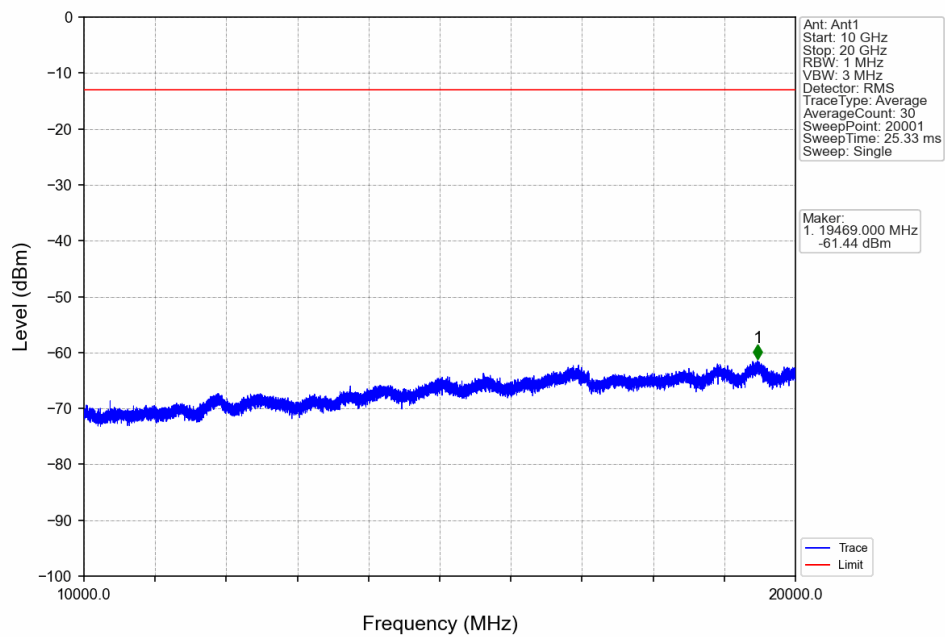


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	9.59	1	1708.917	-26.58	-13	Pass
1709	1710	0.11	0	2	1709.995	-32.56	-13	Pass
1710	1720	0.11	0	/	/	/	/	/

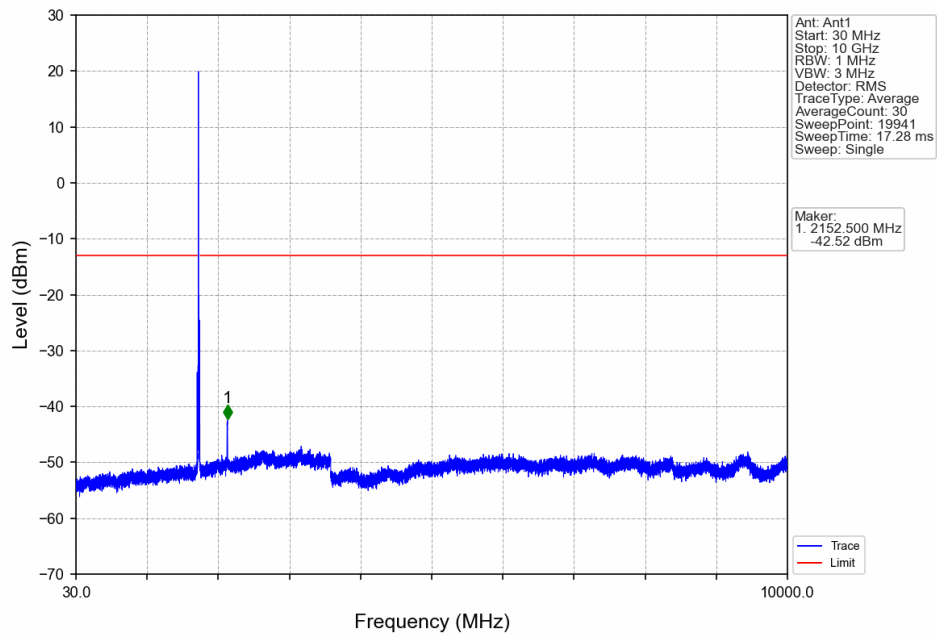
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



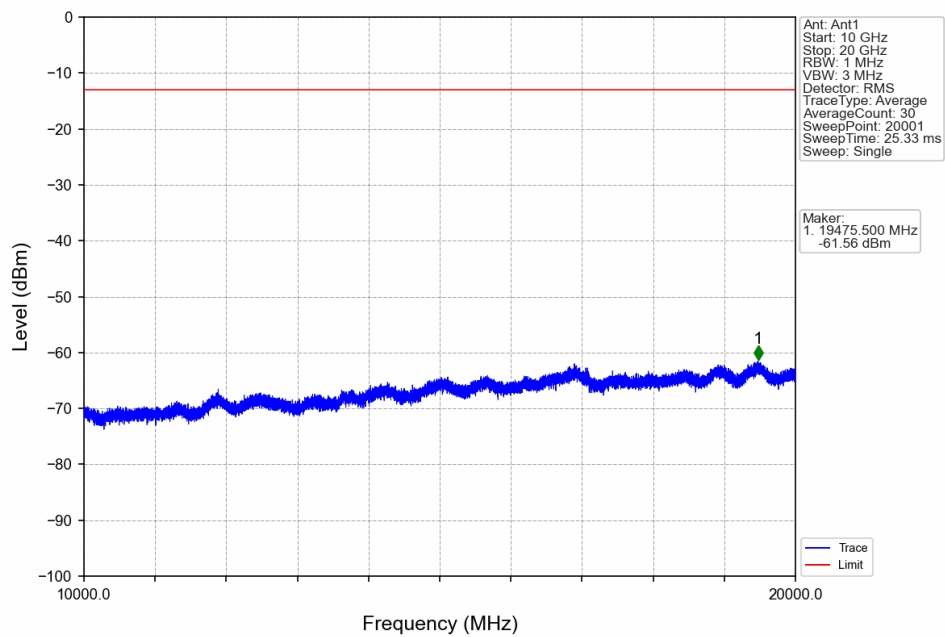
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



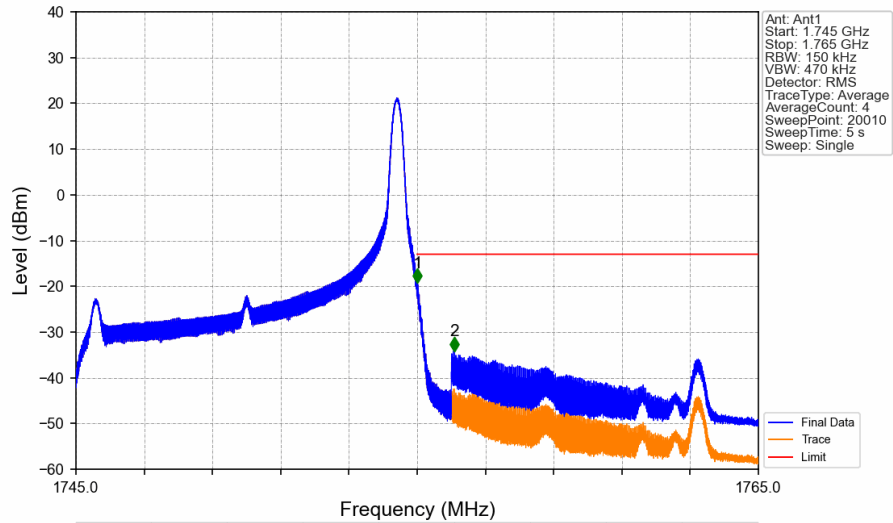
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV

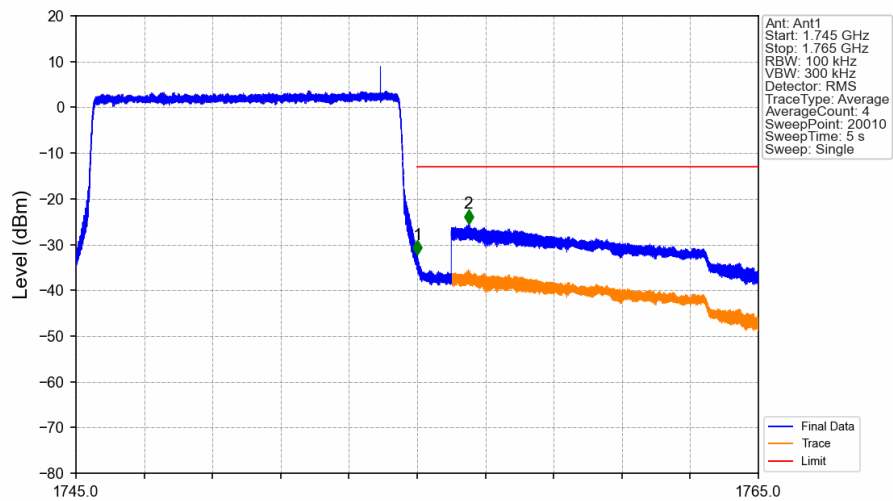


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.15	0	/	/	/	/	/
1755	1756	0.15	0	1	1755.008	-19.29	-13	Pass
1756	1765	1	8.24	2	1756.094	-34.17	-13	Pass

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



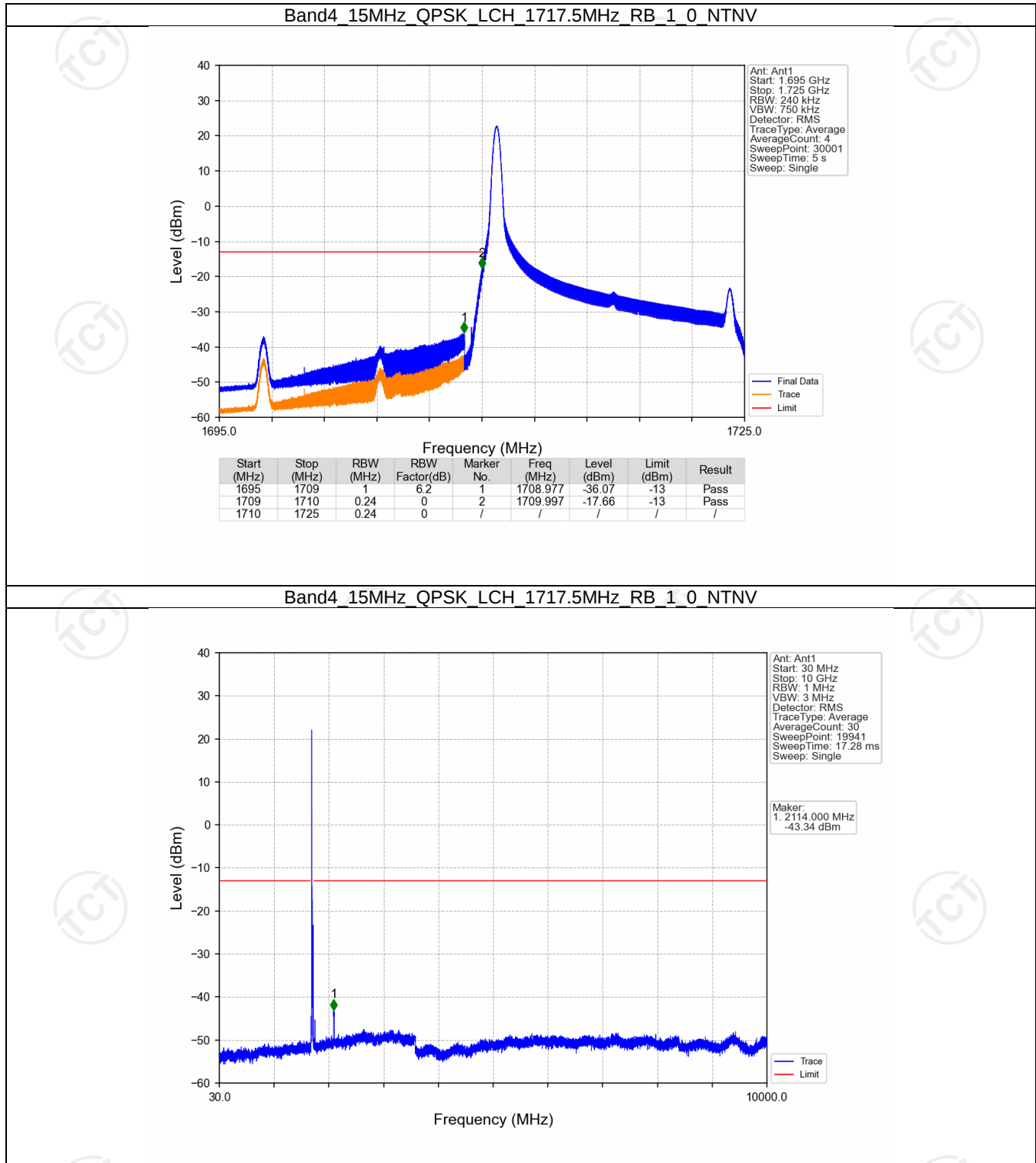
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	0	/	/	/	/	/
1755	1756	0.1	0	1	1755.002	-32.27	-13	Pass
1756	1765	1	10	2	1756.503	-25.43	-13	Pass

6.5 B4_15MHz

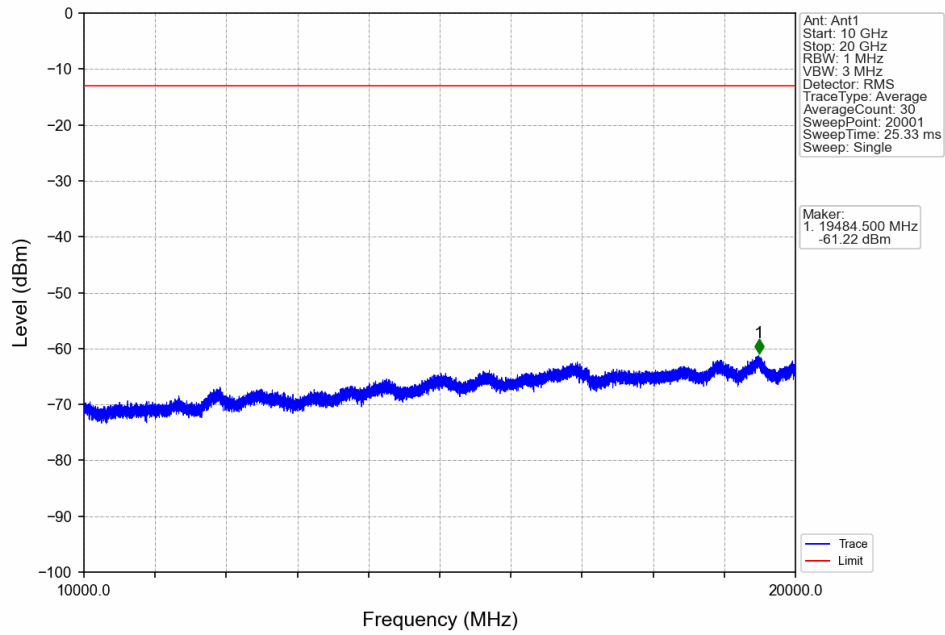
6.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	1717.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1747.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
16QAM	1717.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1747.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

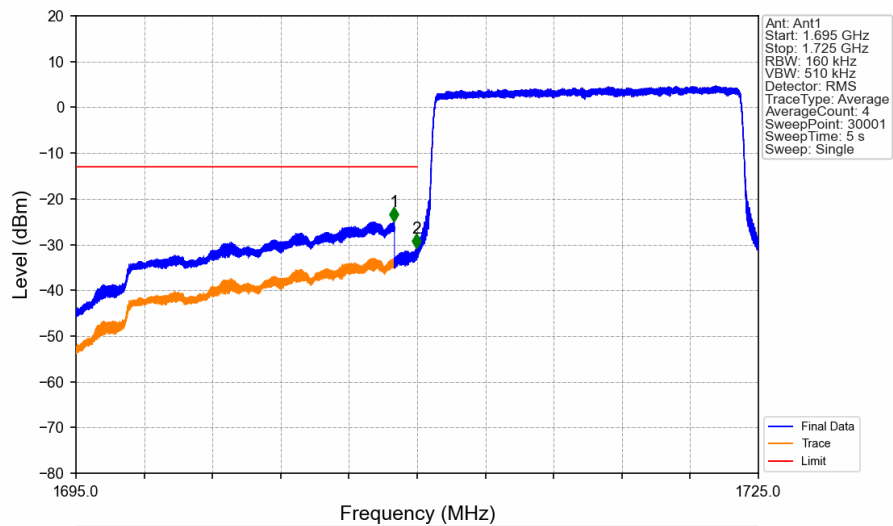
6.5.2 Test Graph



Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTV

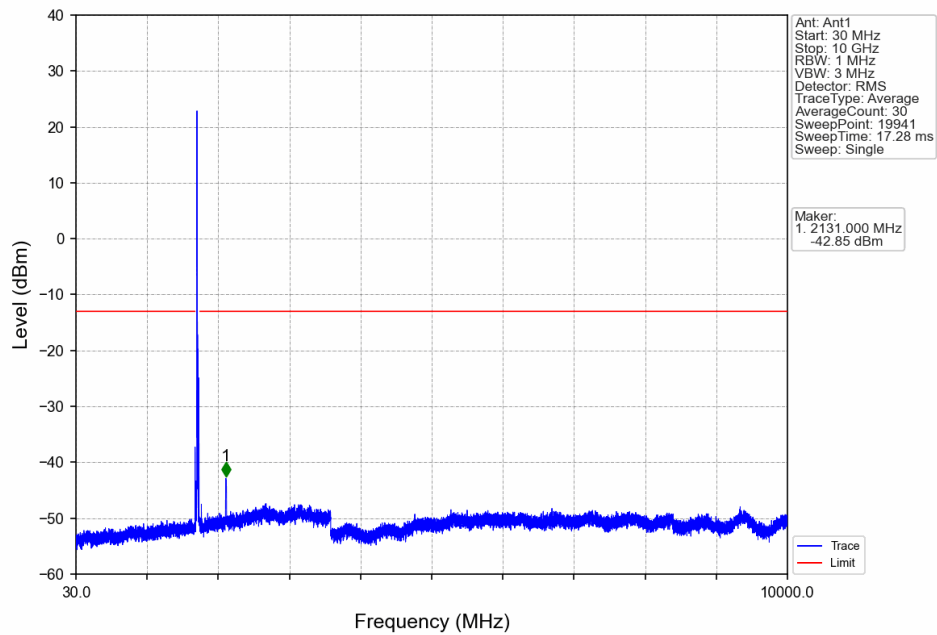


Band4_15MHz QPSK LCH 1717.5MHz_RB_75_0_NTV

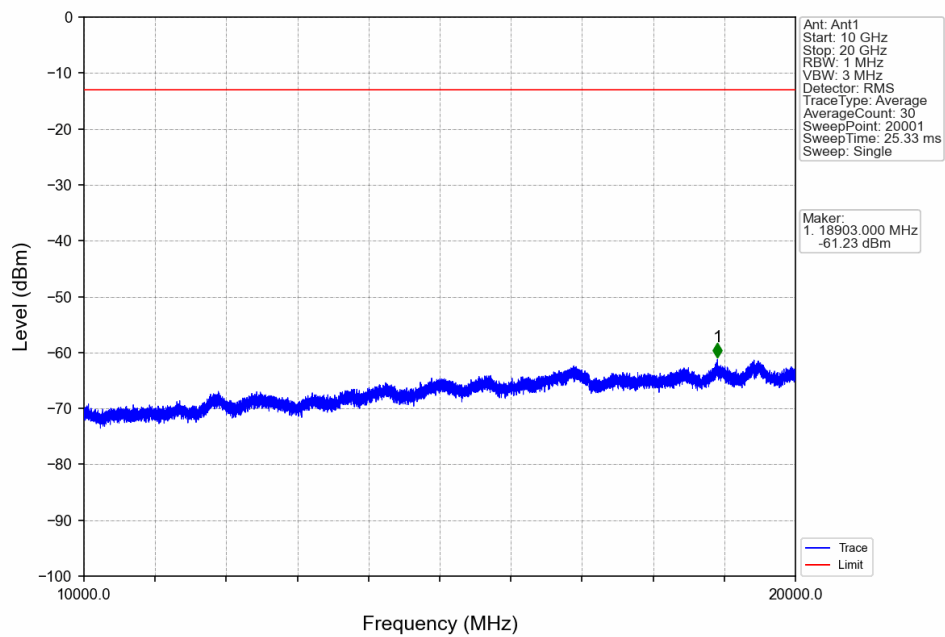


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	7.96	1	1708.989	-24.99	-13	Pass
1709	1710	0.16	0	2	1709.964	-30.87	-13	Pass
1710	1725	0.16	0	/	/	/	/	/

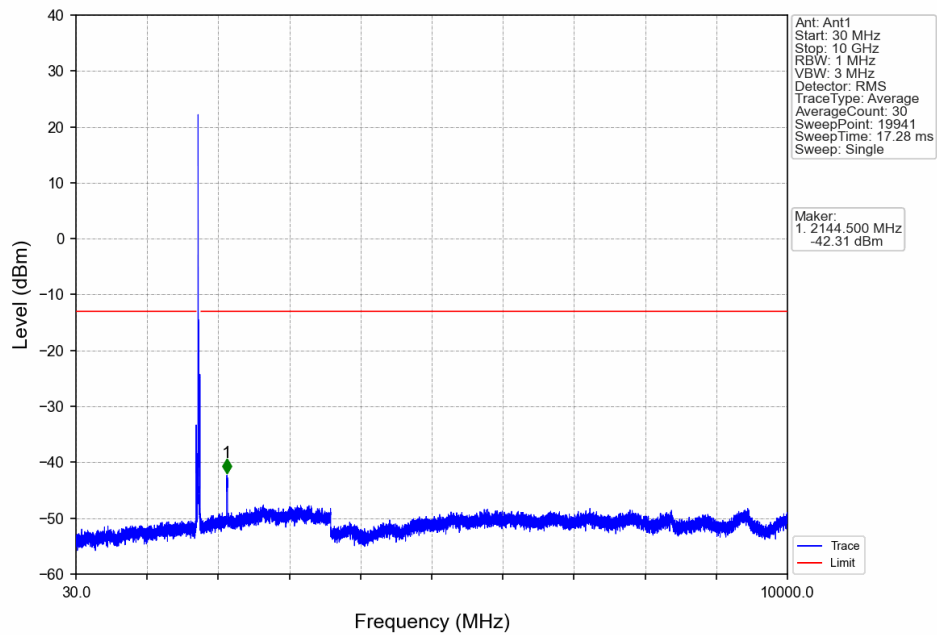
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



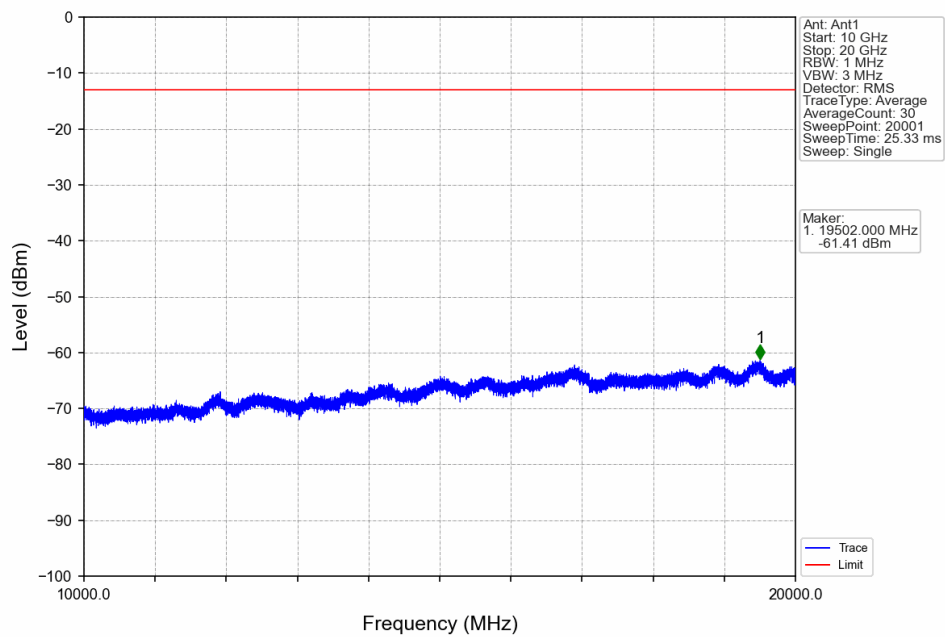
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



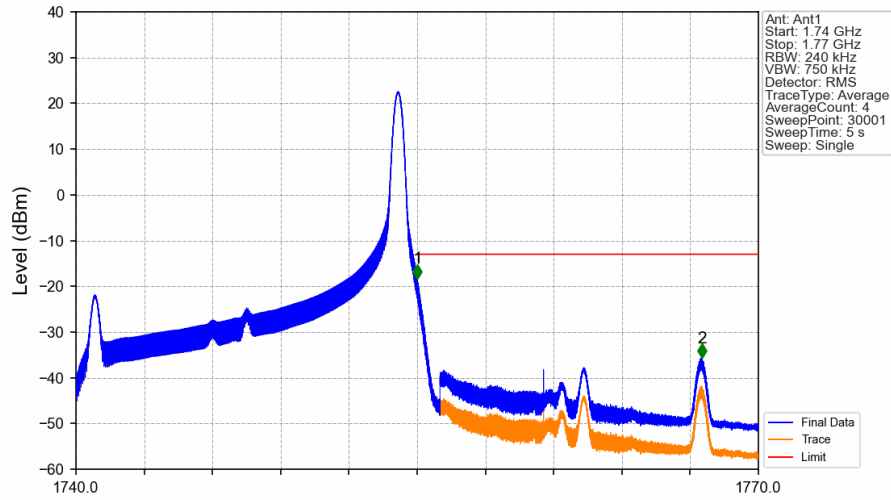
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV

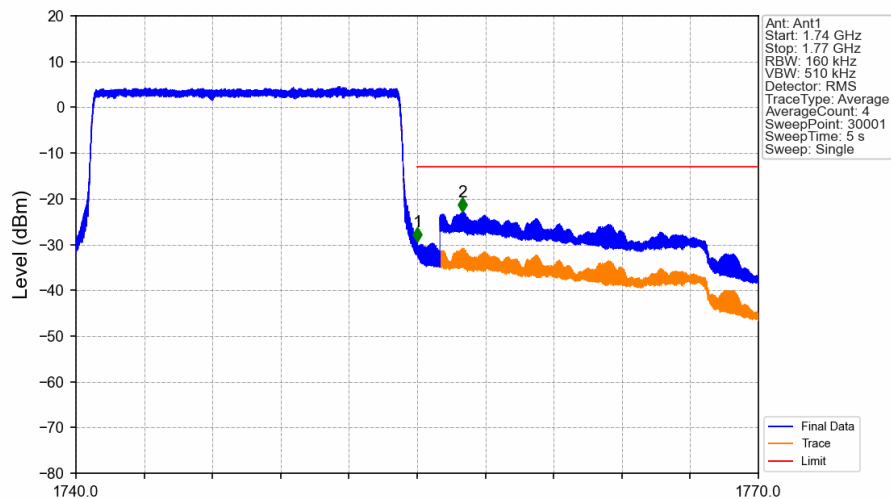


Band4 15MHz QPSK HCH 1747.5MHz RB 1 74 NTNV



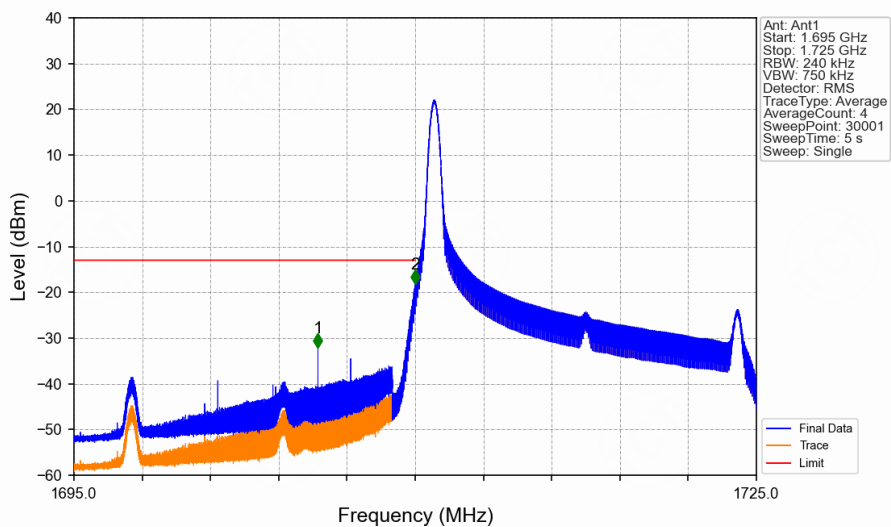
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.24	0	/	/	/	/	/
1755	1756	0.24	0	1	1755.009	-18.29	-13	Pass
1756	1770	1	6.2	2	1767.508	-35.67	-13	Pass

Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV

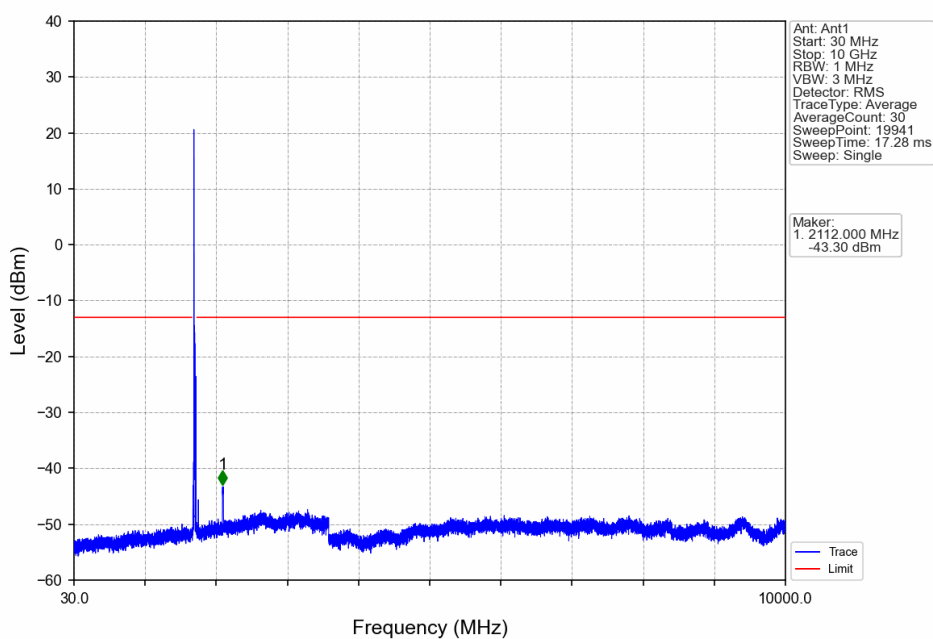


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.16	0	/	/	/	/	/
1755	1756	0.16	0	1	1755.014	-29.40	-13	Pass
1756	1770	1	7.96	2	1756.979	-22.82	-13	Pass

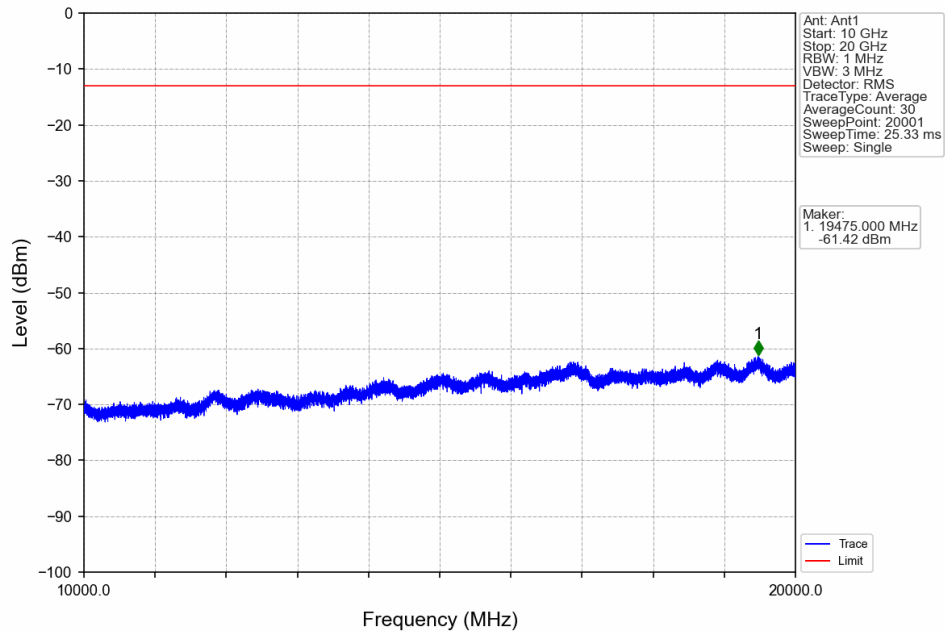
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



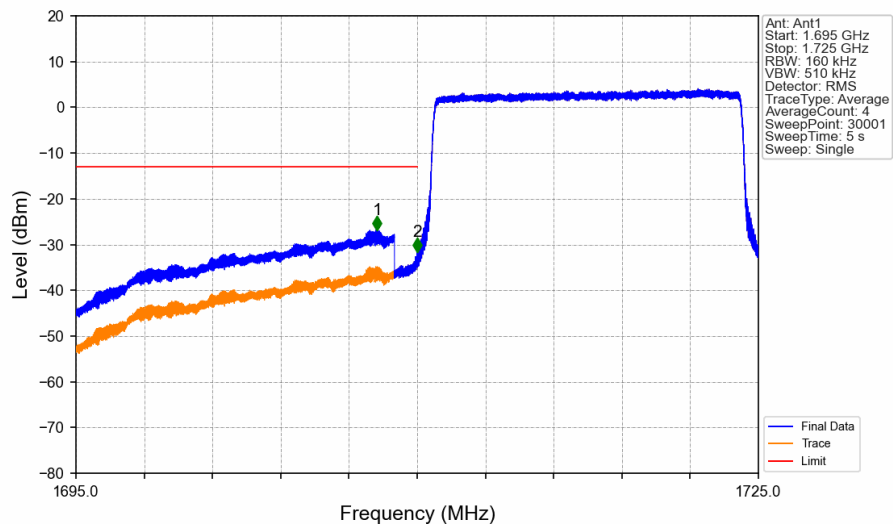
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band4 15MHz 16QAM LCH 1717.5MHz RB 1 0 NTNV

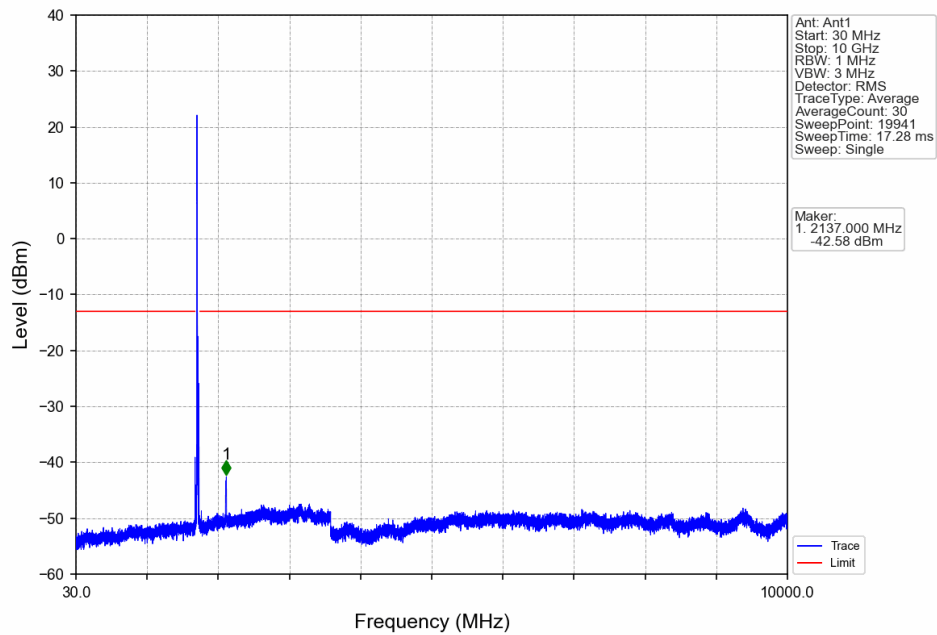


Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV

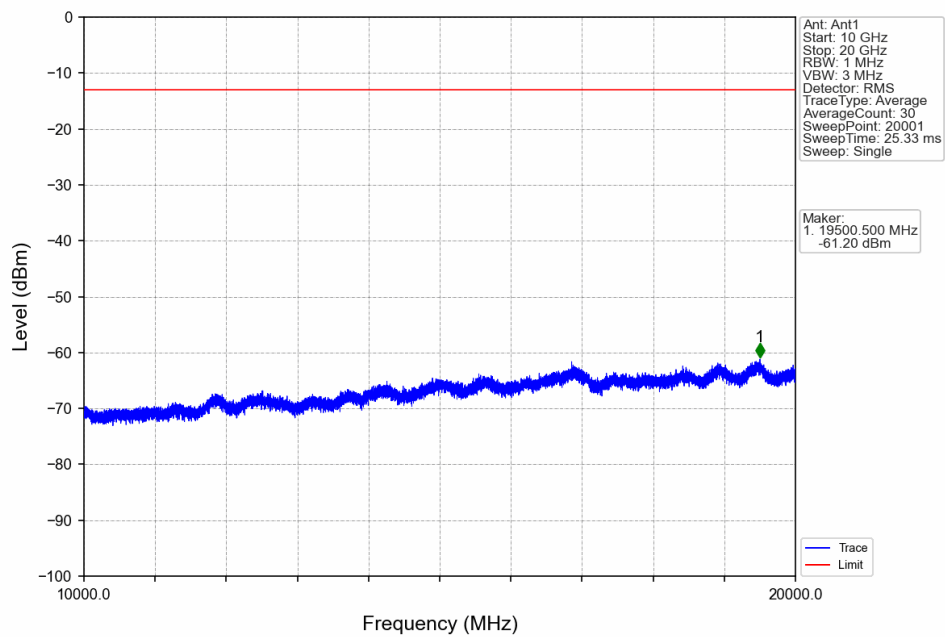


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	7.96	1	1708.237	-26.85	-13	Pass
1709	1710	0.16	0	2	1709.997	-31.61	-13	Pass
1710	1725	0.16	0	/	/	/	/	/

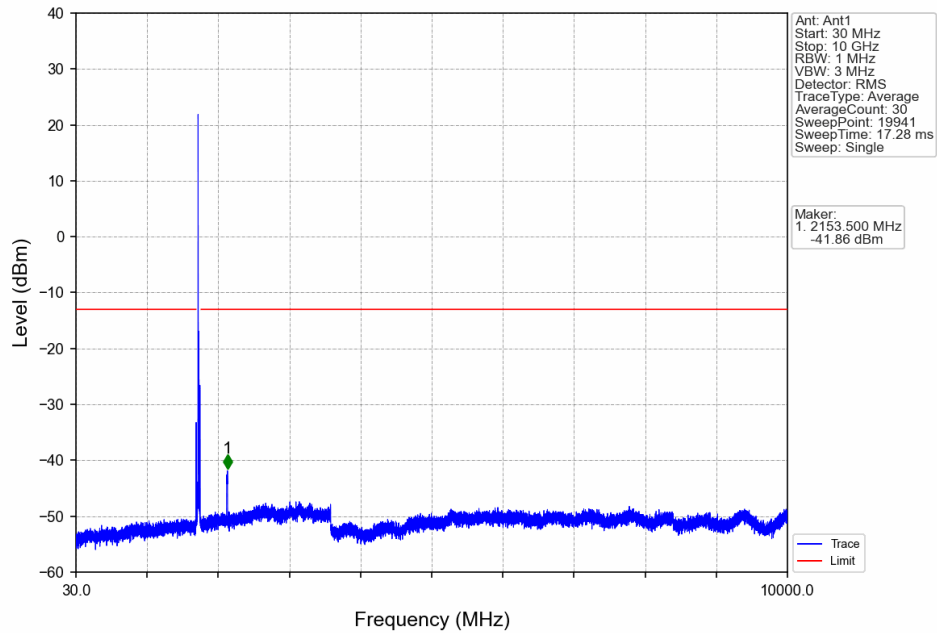
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



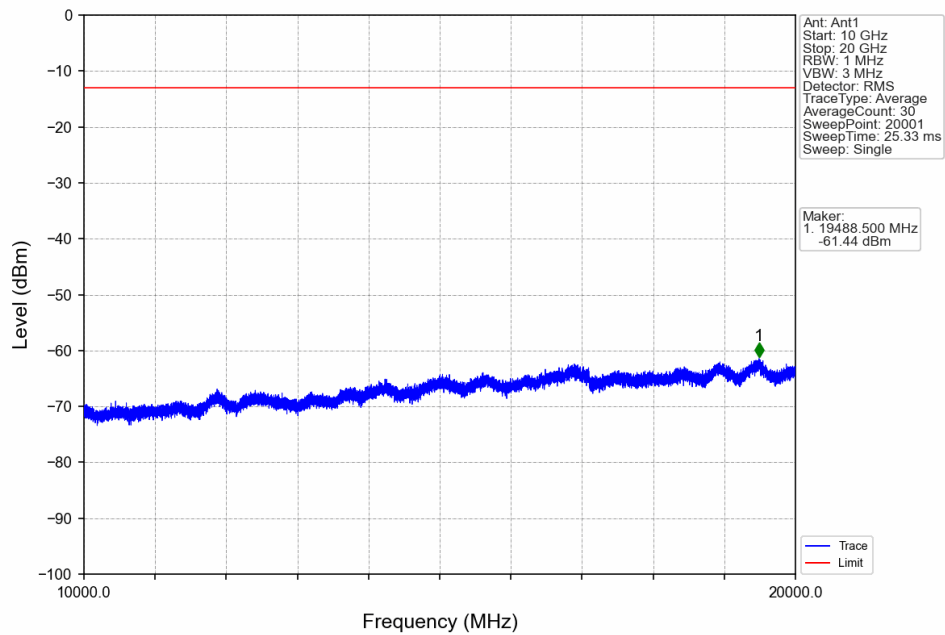
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



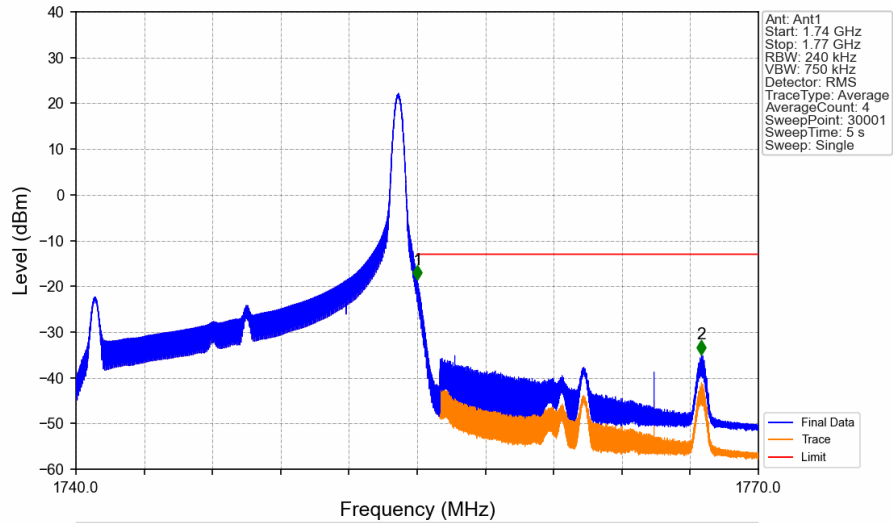
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTNV



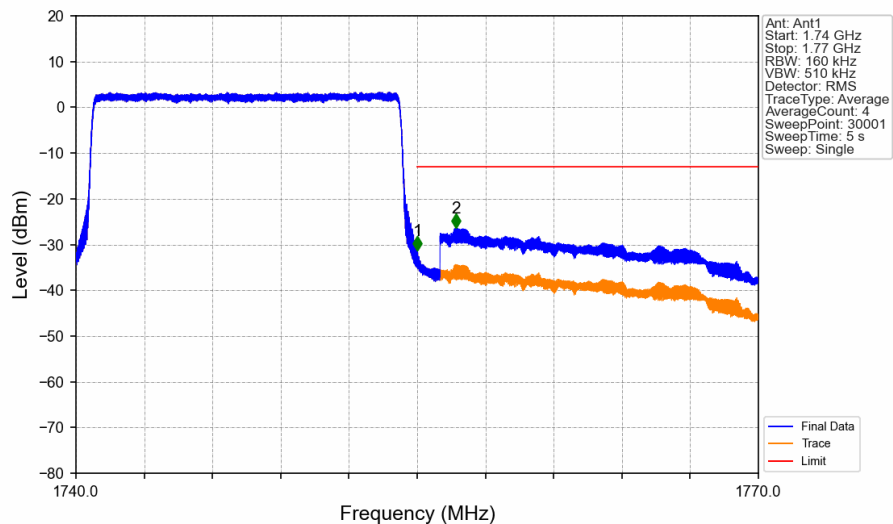
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTNV



Band4 15MHz 16QAM HCH 1747.5MHz RB 1 74 NTNV



Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTNV

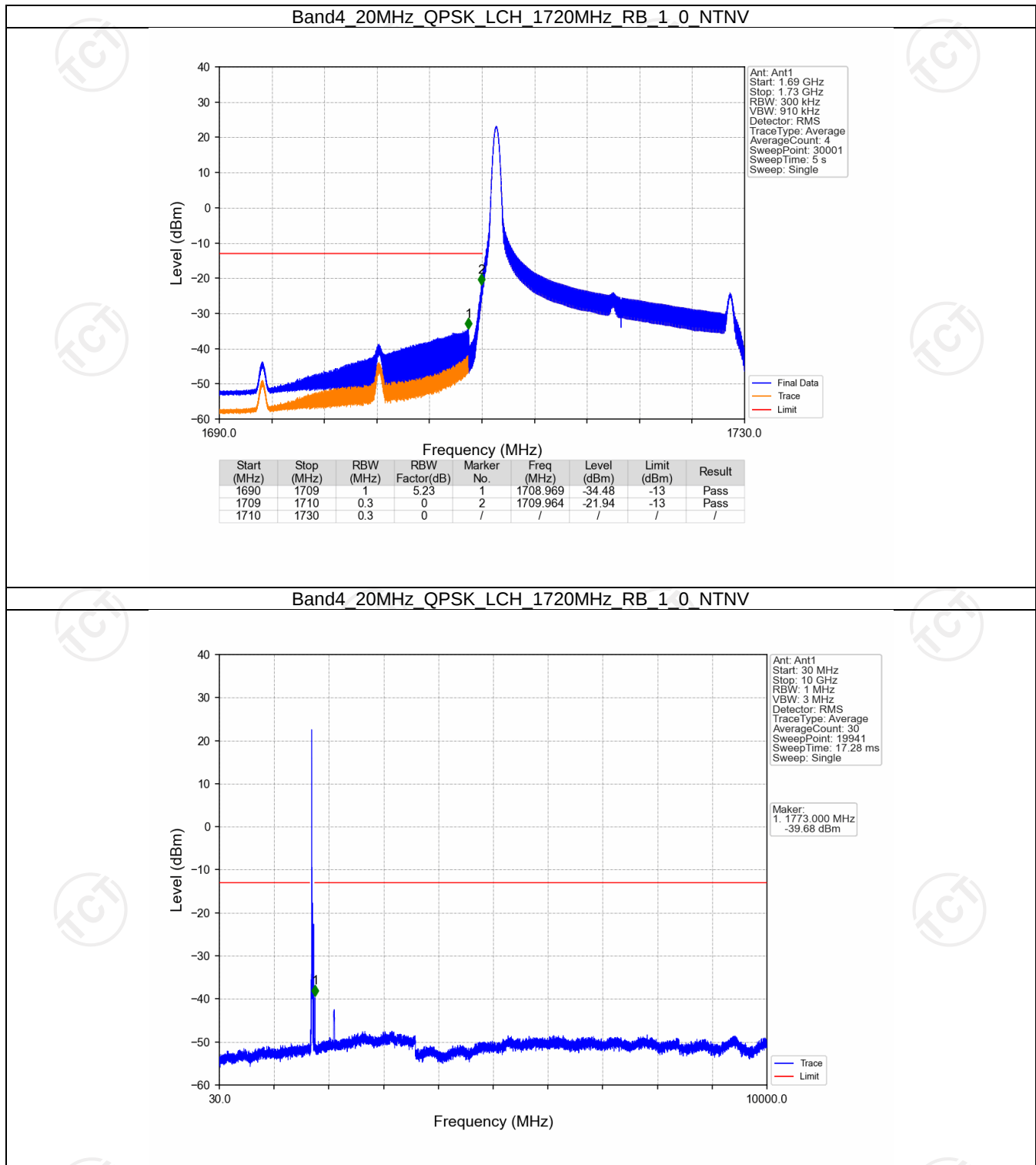


6.6 B4_20MHz

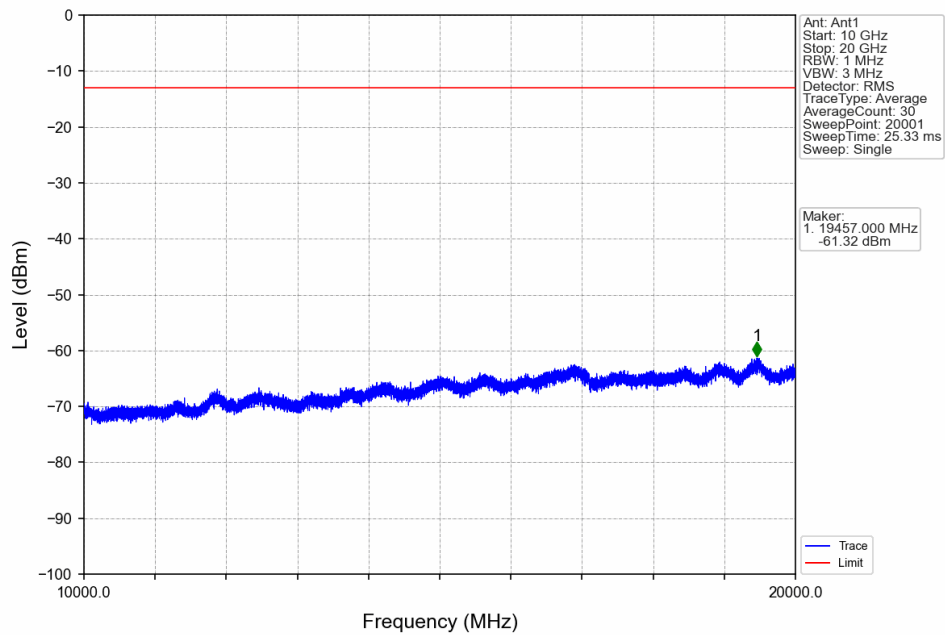
6.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	1720	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
16QAM	1720	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

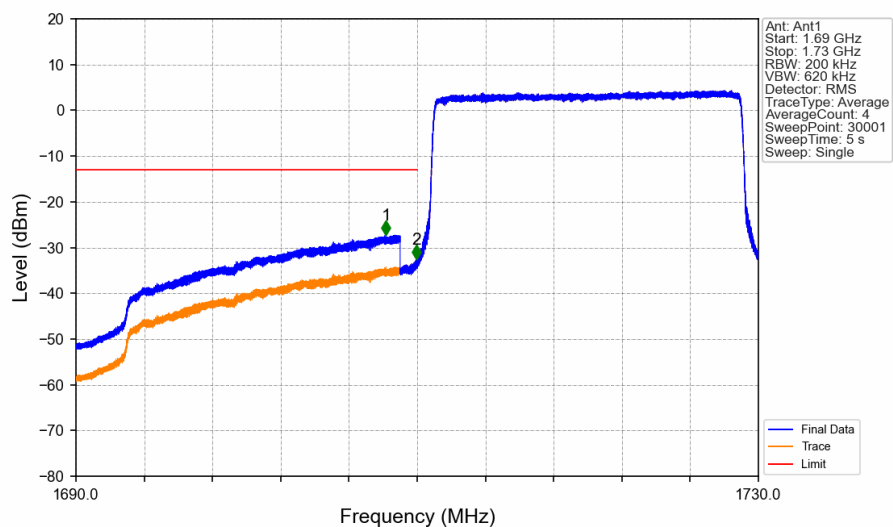
6.6.2 Test Graph



Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTV

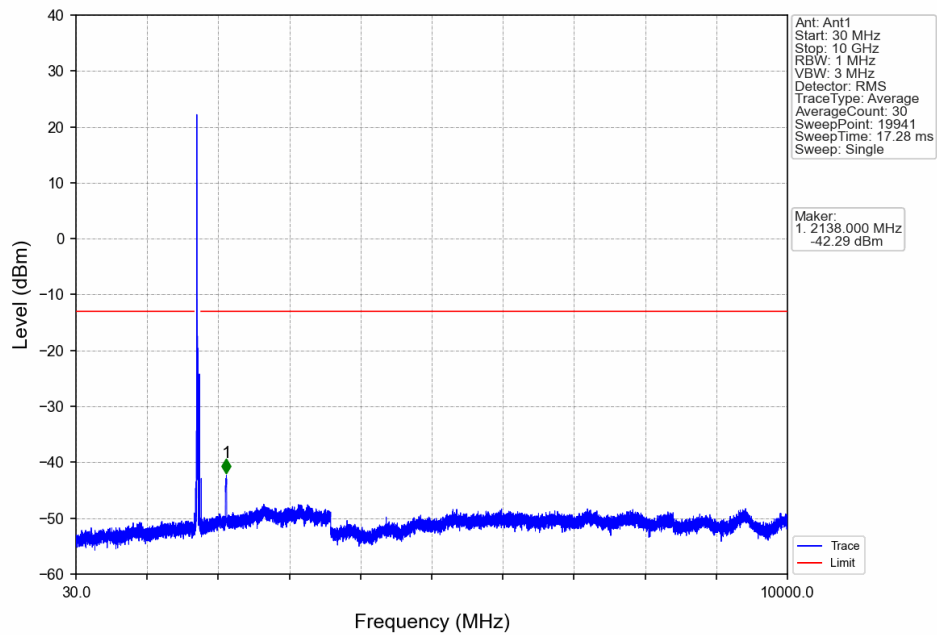


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTV

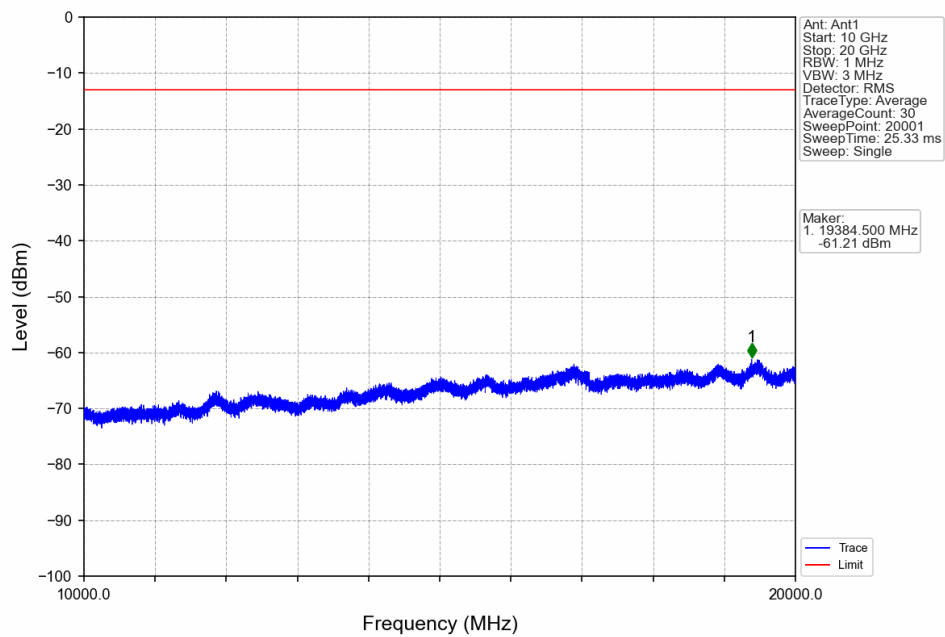


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	6.99	1	1708.172	-27.27	-13	Pass
1709	1710	0.2	0	2	1709.955	-32.54	-13	Pass
1710	1730	0.2	0	/	/	/	/	/

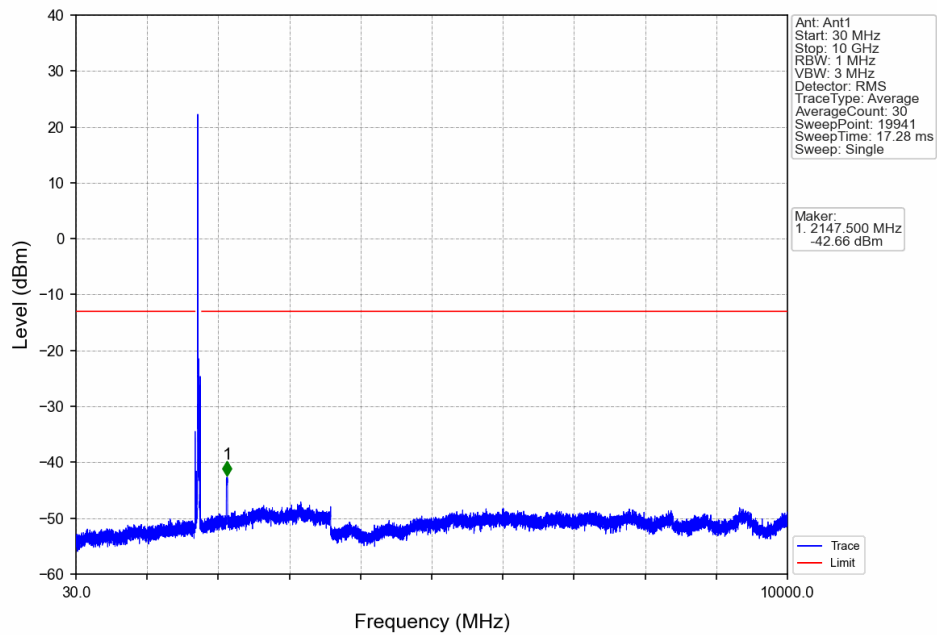
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTV



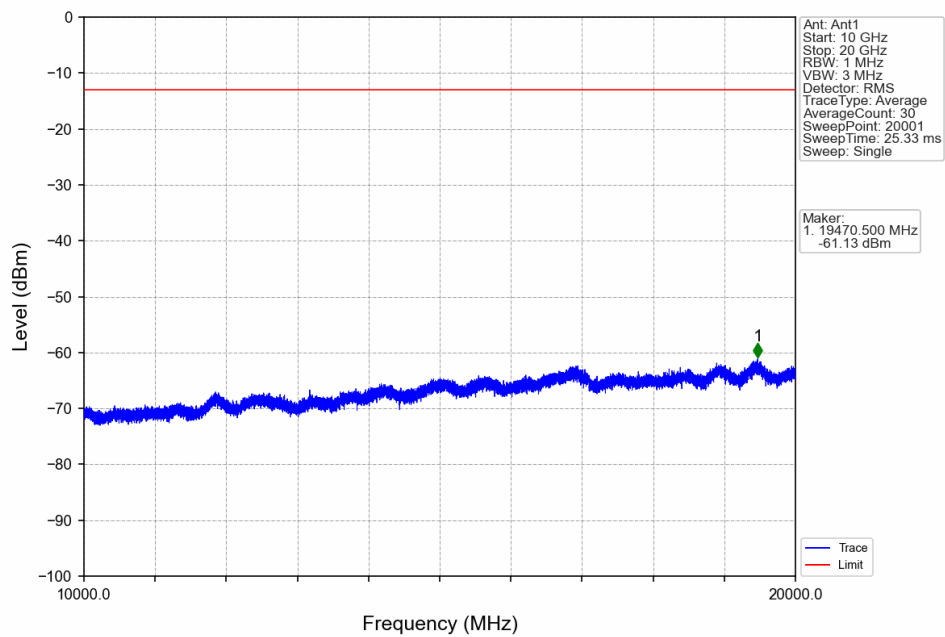
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTV



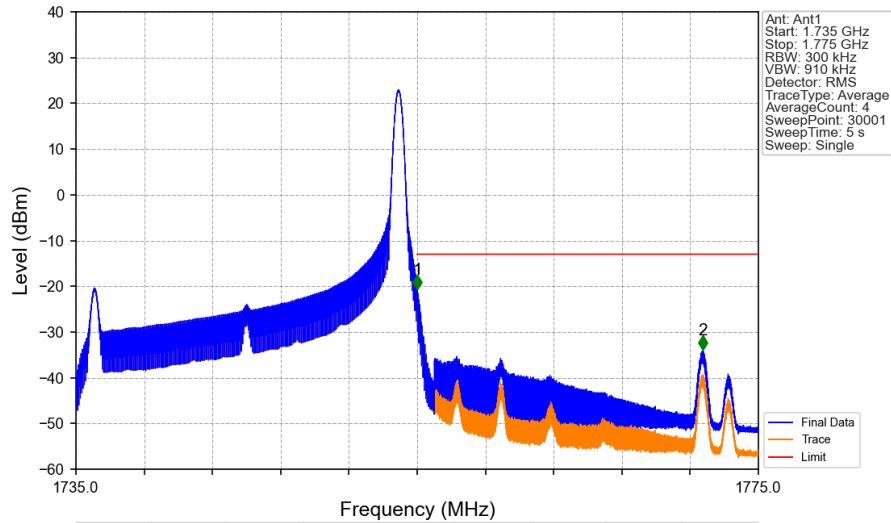
Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTN



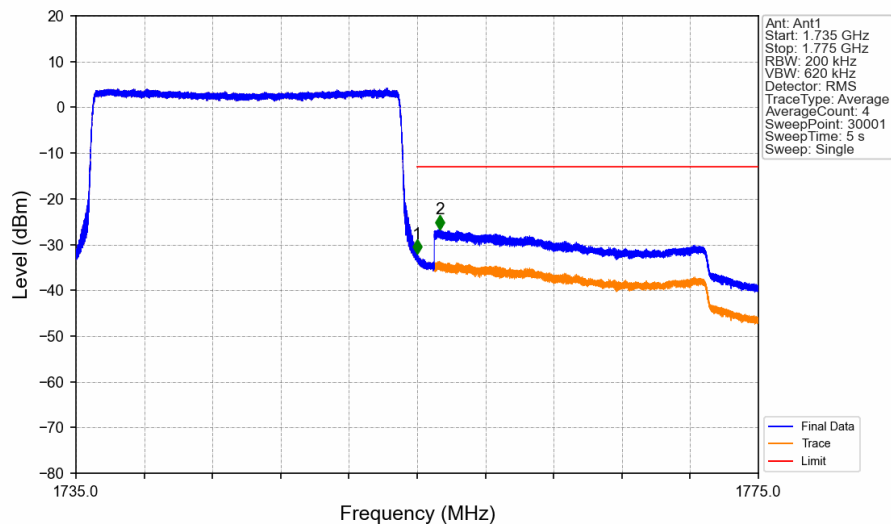
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0 NTN



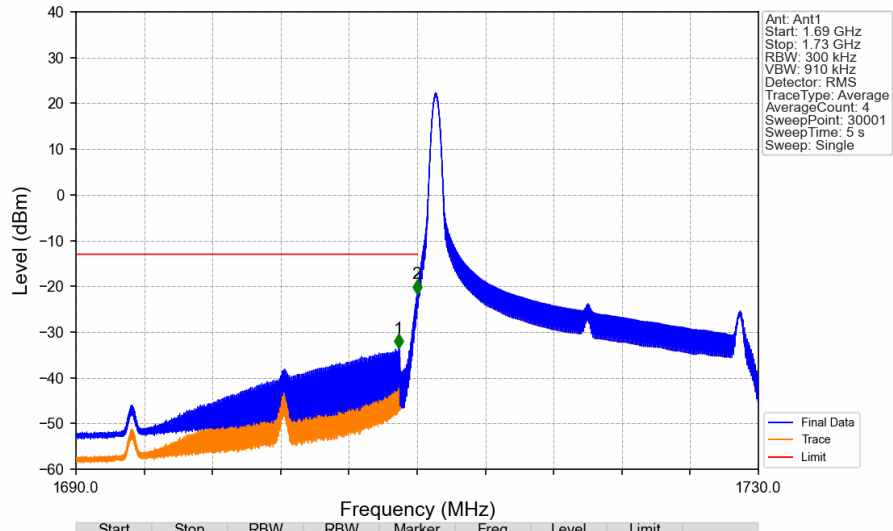
Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



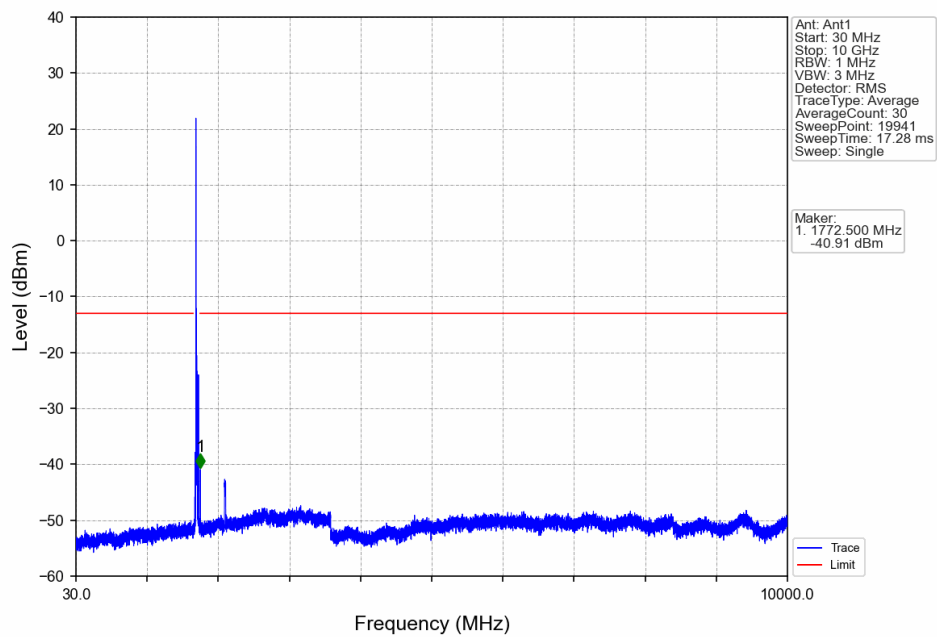
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



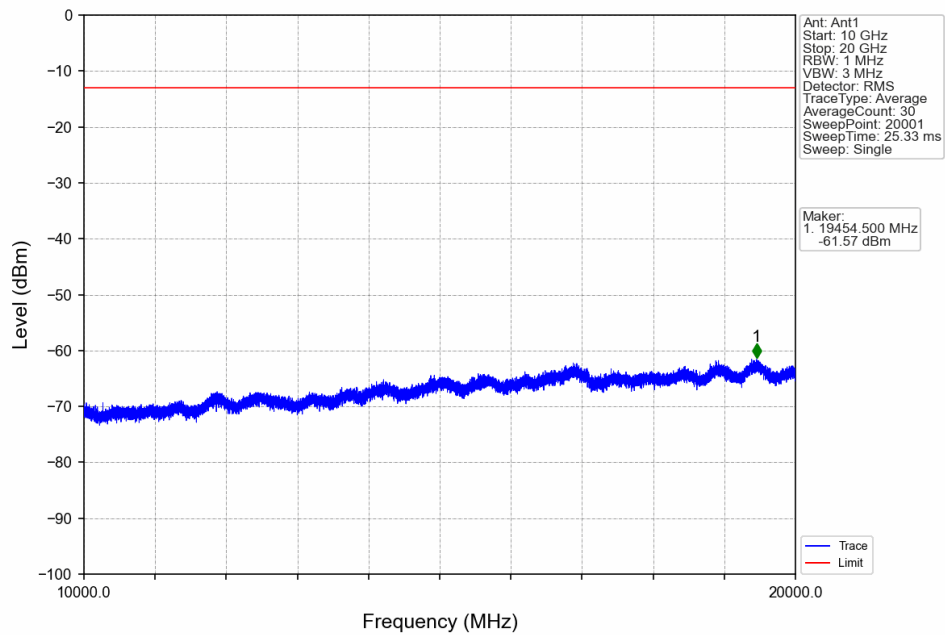
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTN



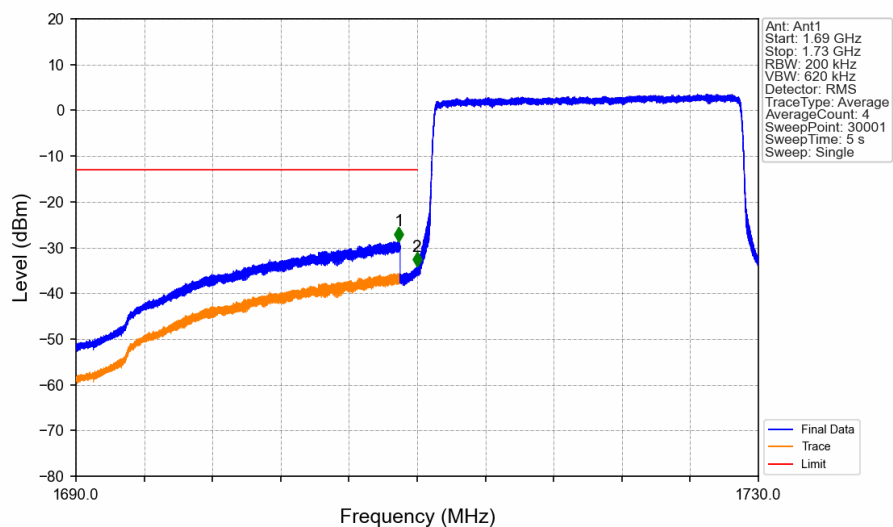
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTN



Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV

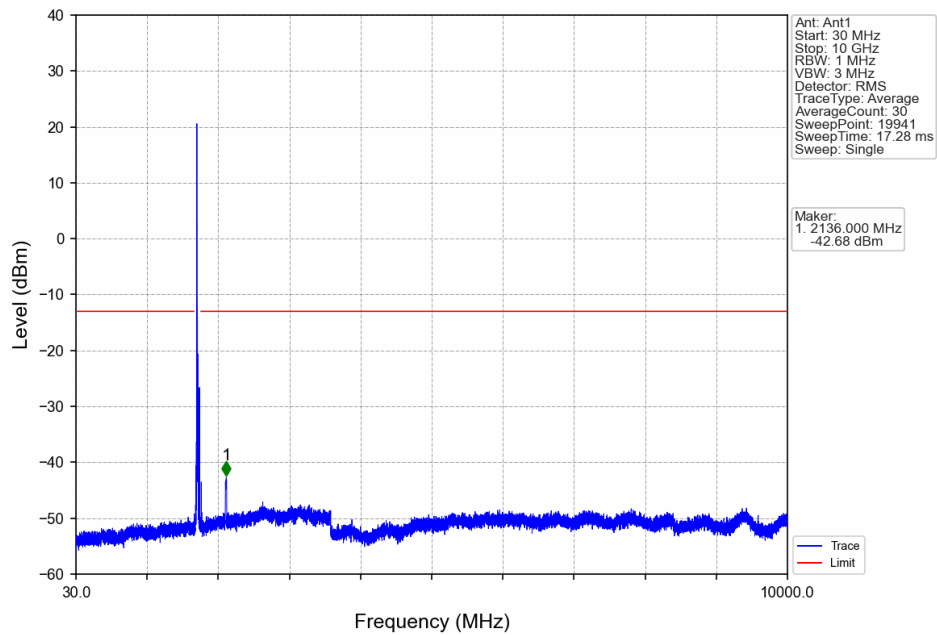


Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	6.99	1	1708.929	-28.59	-13	Pass
1709	1710	0.2	0	2	1709.980	-34.17	-13	Pass
1710	1730	0.2	0	/	/	/	/	/

Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV

