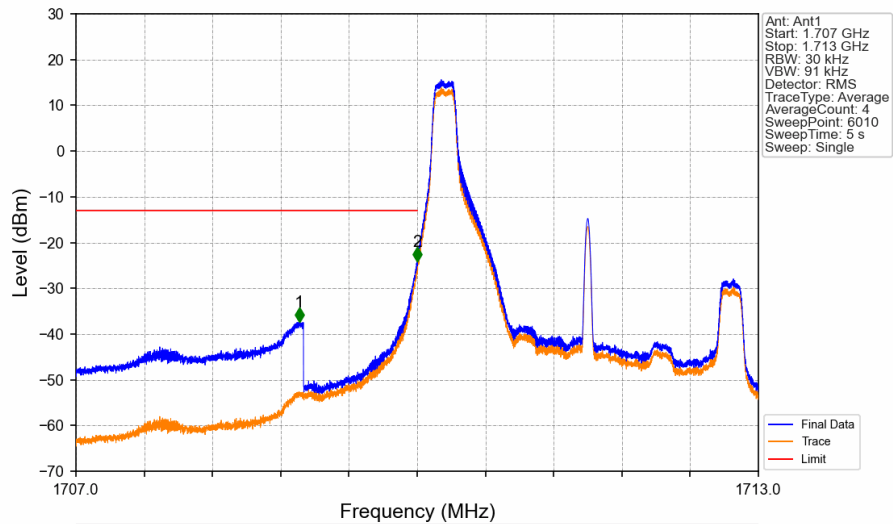
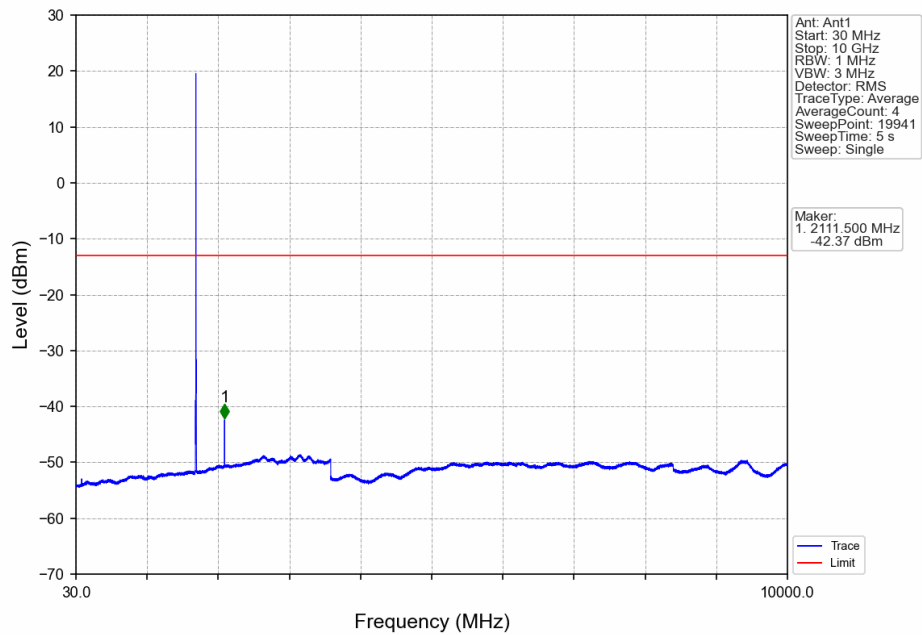


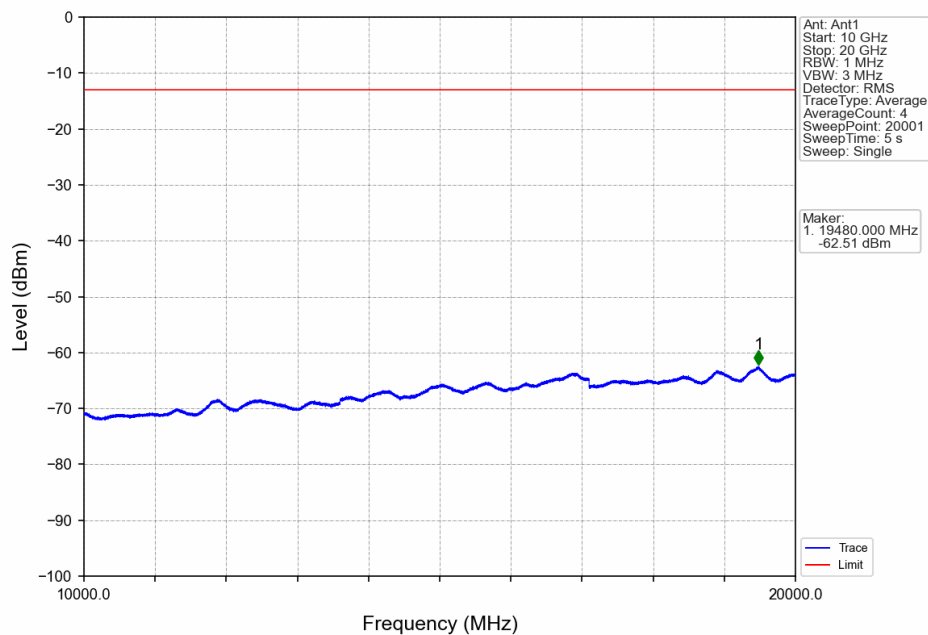
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



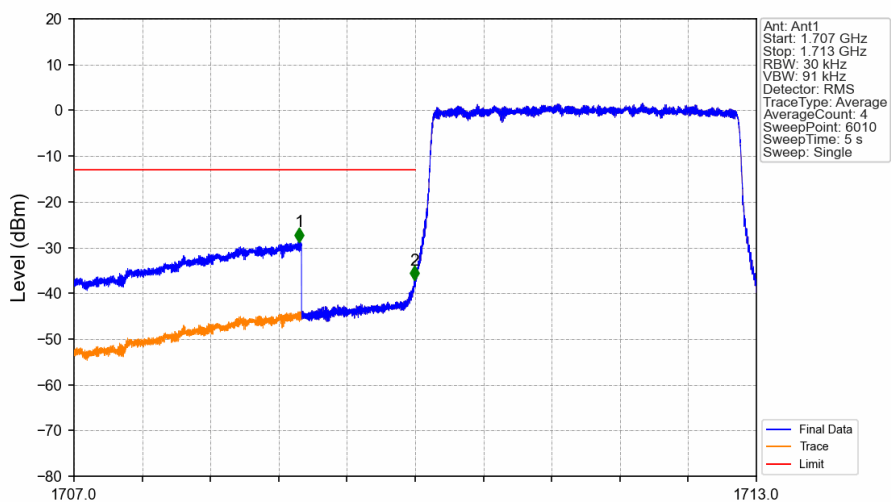
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

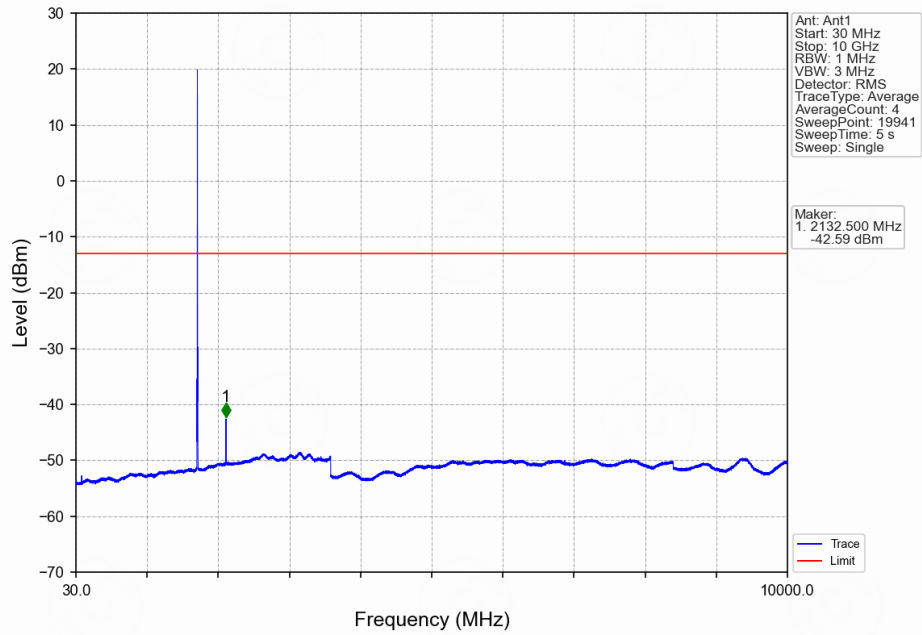


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

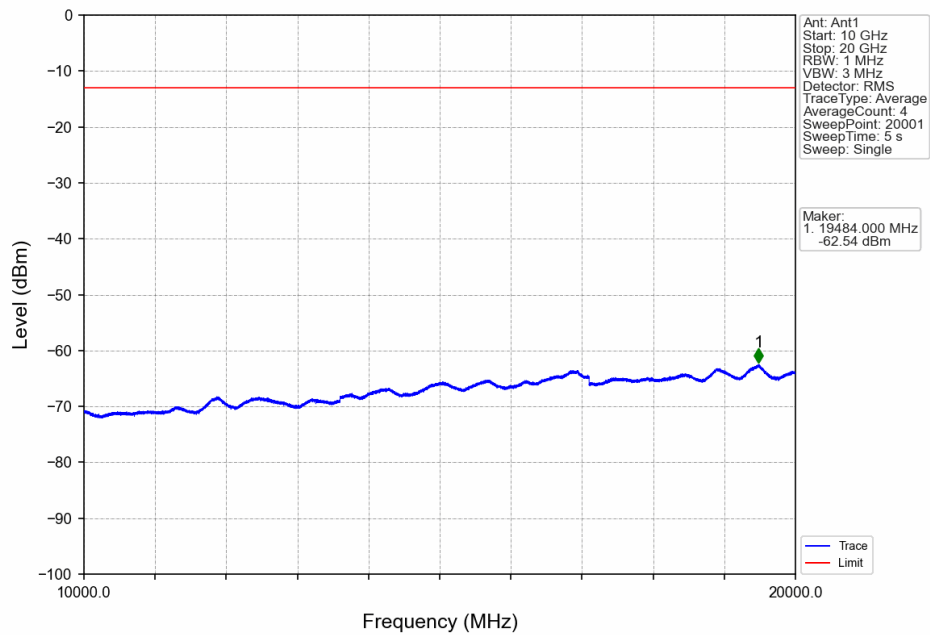


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	15.23	1	1708.980	-28.78	-13	Pass
1709	1710	0.03	0	2	1709.993	-37.22	-13	Pass
1710	1713	0.03	0	/	/	/	/	/

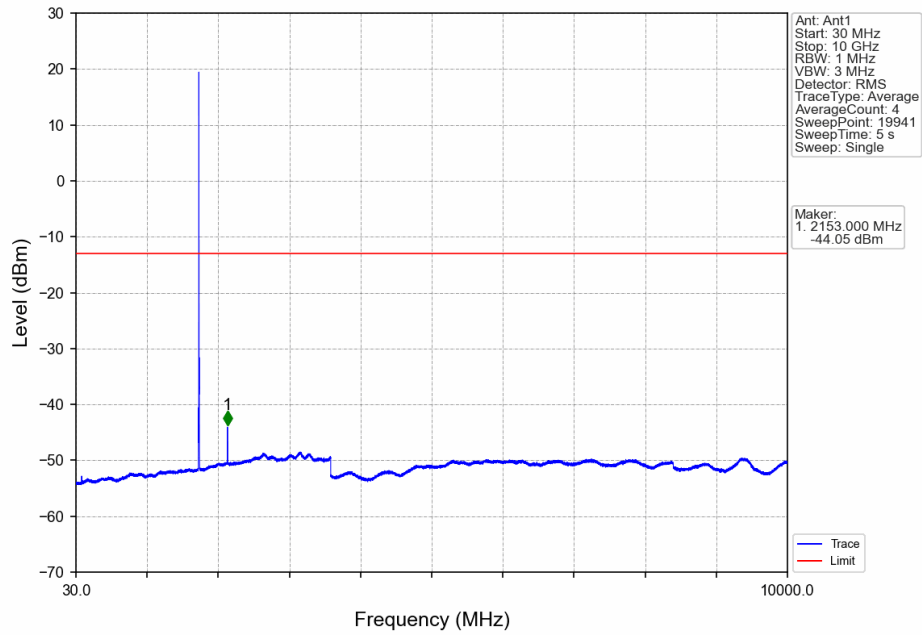
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



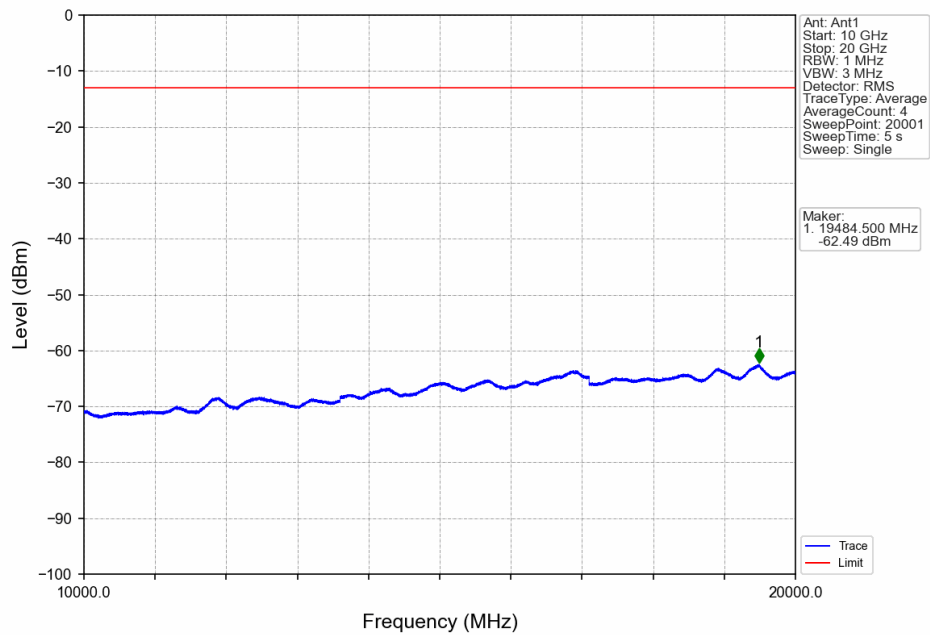
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



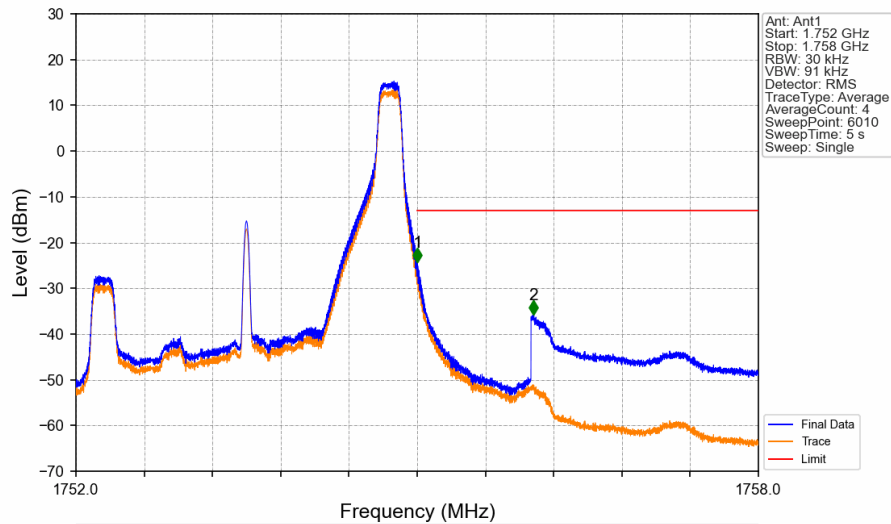
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

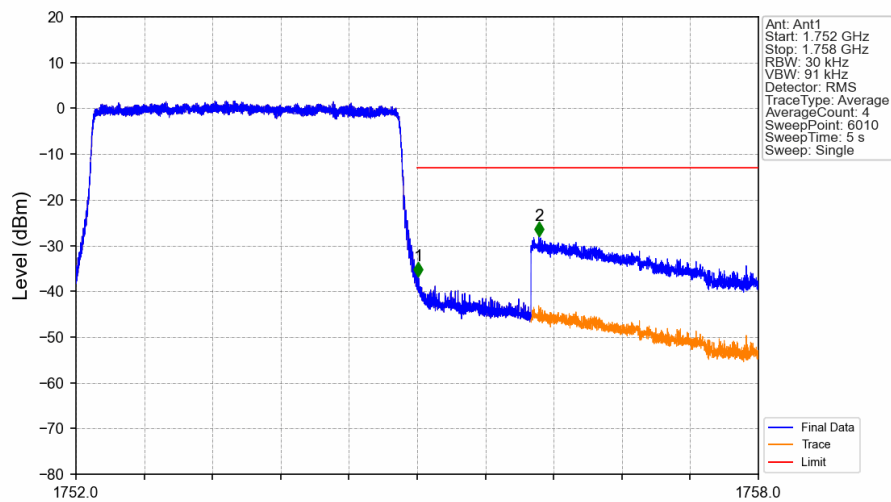


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.045	1.76	/	/	/	/	/
1755	1756	0.045	1.76	1	1755.002	-24.36	-13	Pass
1756	1758	1	15.23	2	1756.020	-35.84	-13	Pass

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



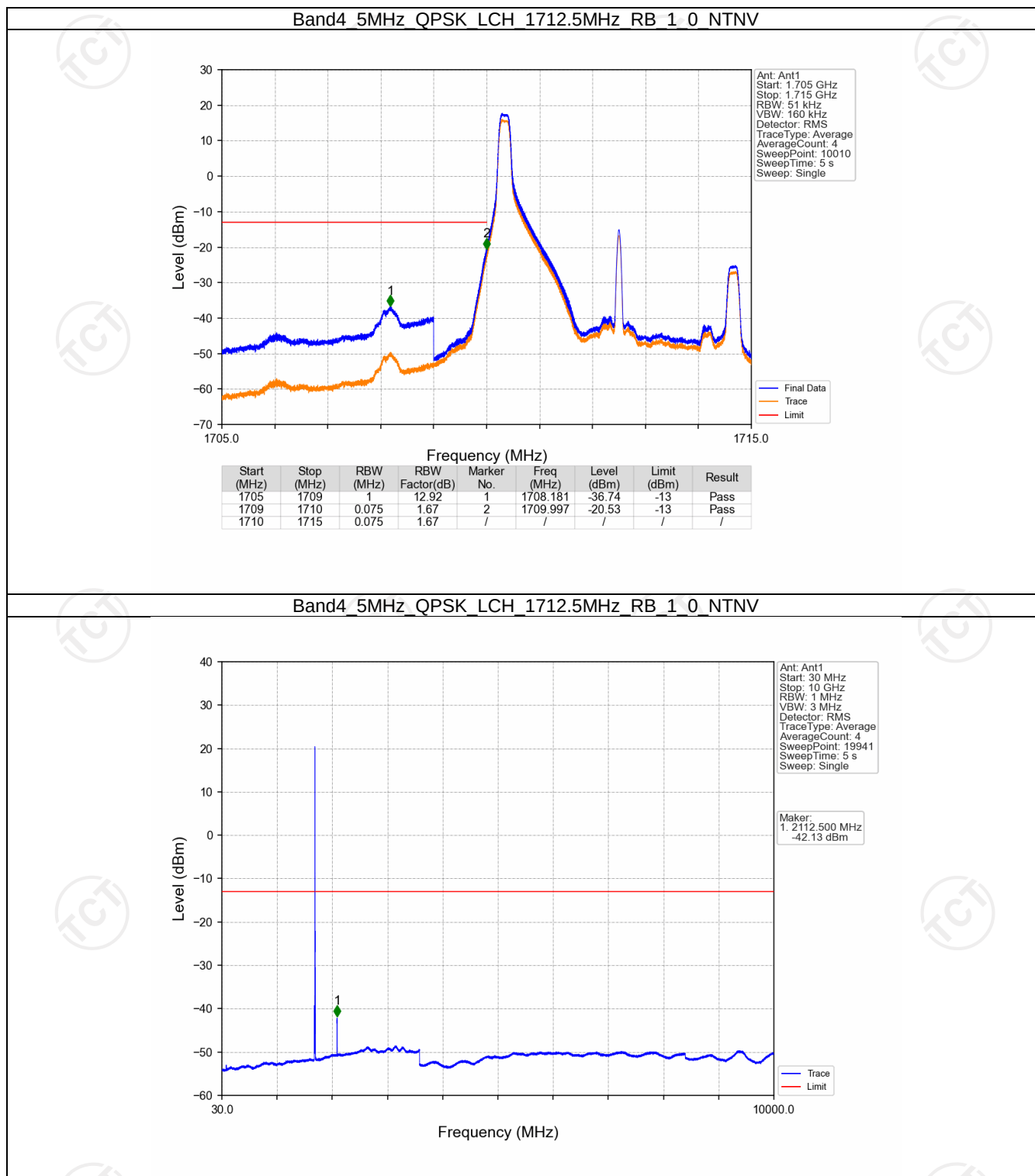
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	0	/	/	/	/	/
1755	1756	0.03	0	1	1755.009	-36.72	-13	Pass
1756	1758	1	15.23	2	1756.069	-27.89	-13	Pass

6.3 B4_5MHz

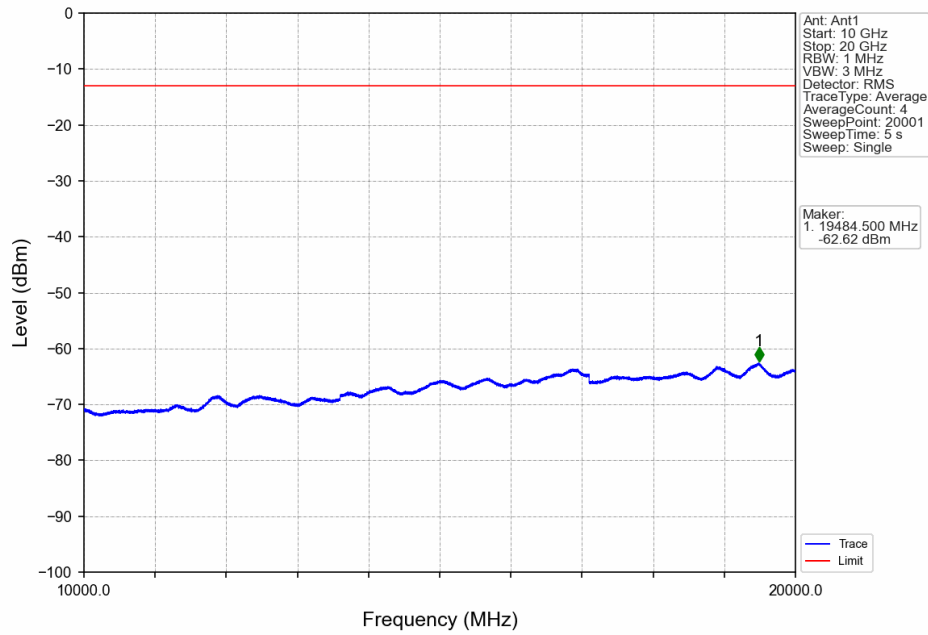
6.3.1 Test Result

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

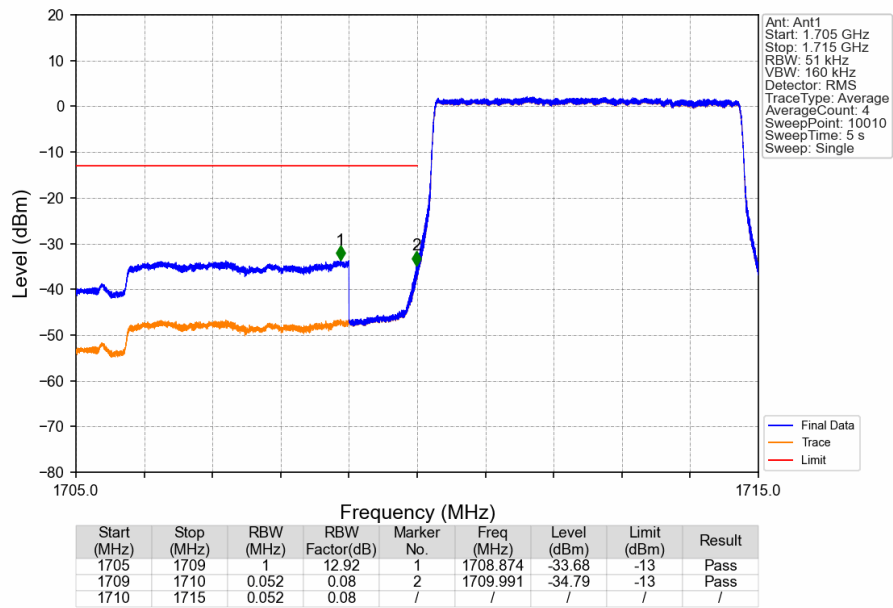
6.3.2 Test Graph



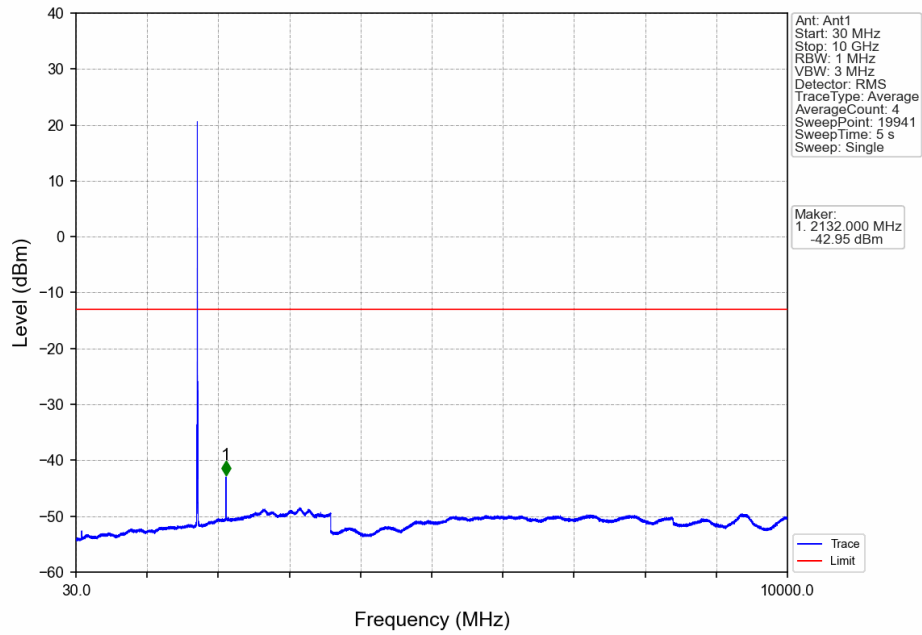
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



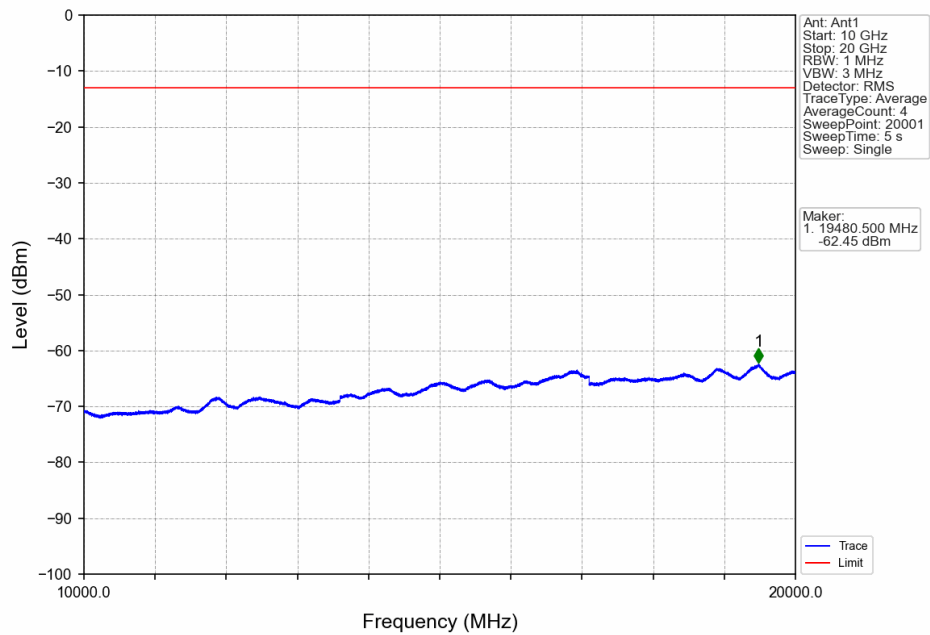
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



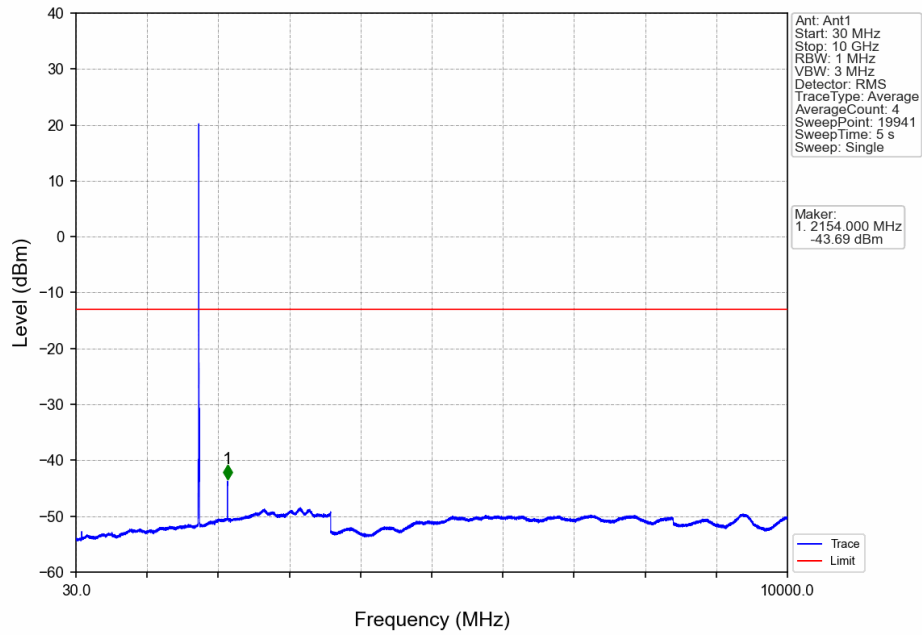
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



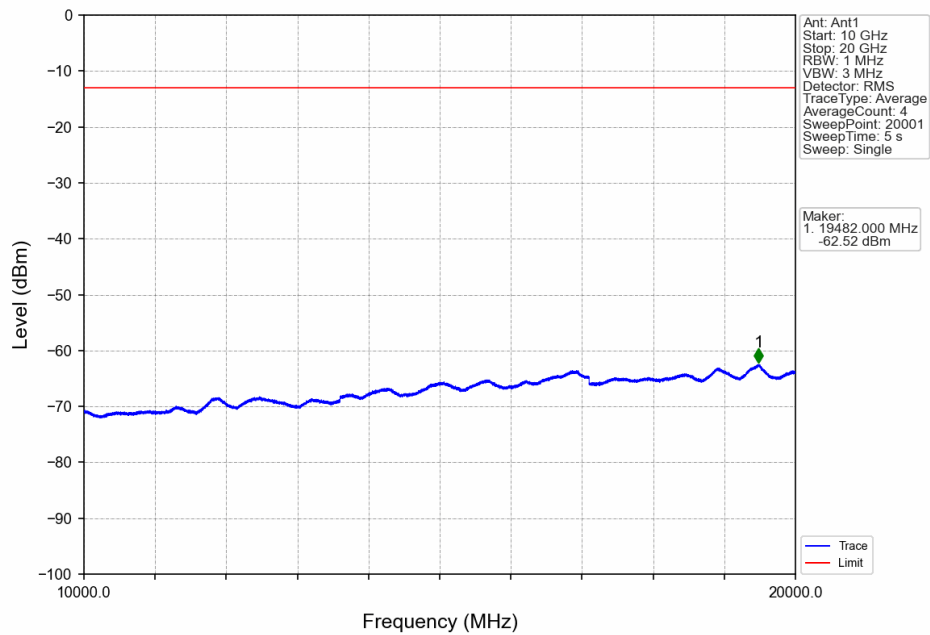
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



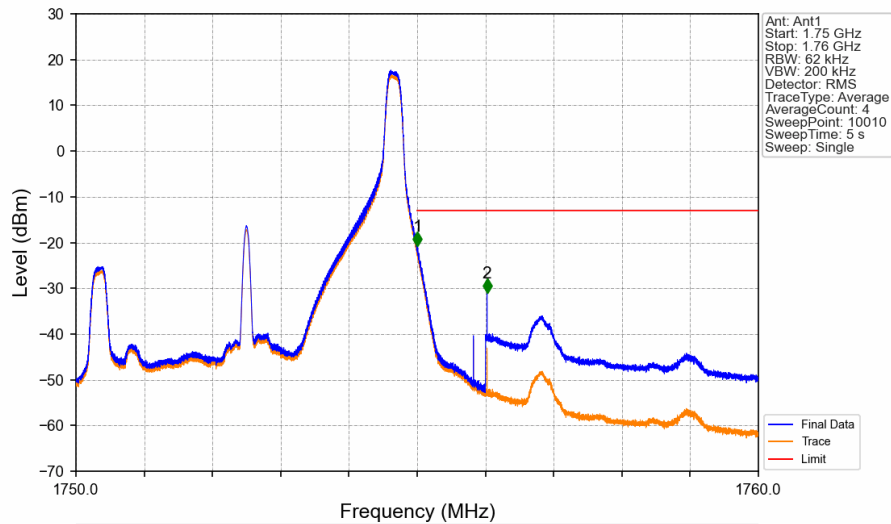
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

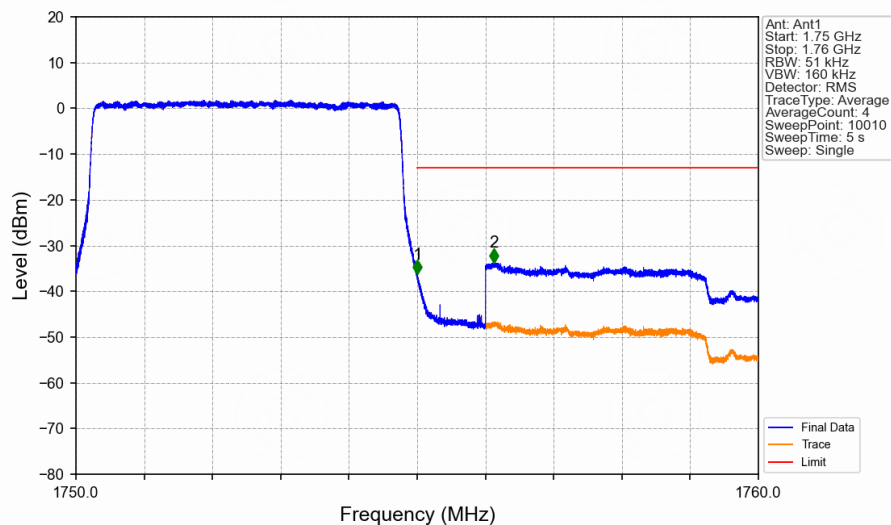


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



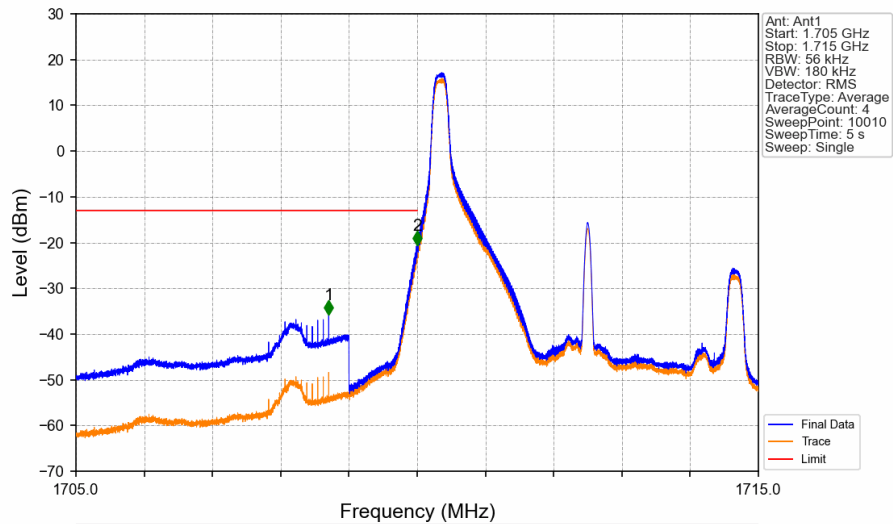
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.075	0.83	/	/	/	/	/
1755	1756	0.075	0.83	1	1755.002	-20.78	-13	Pass
1756	1760	1	12.08	2	1756.024	-31.00	-13	Pass

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

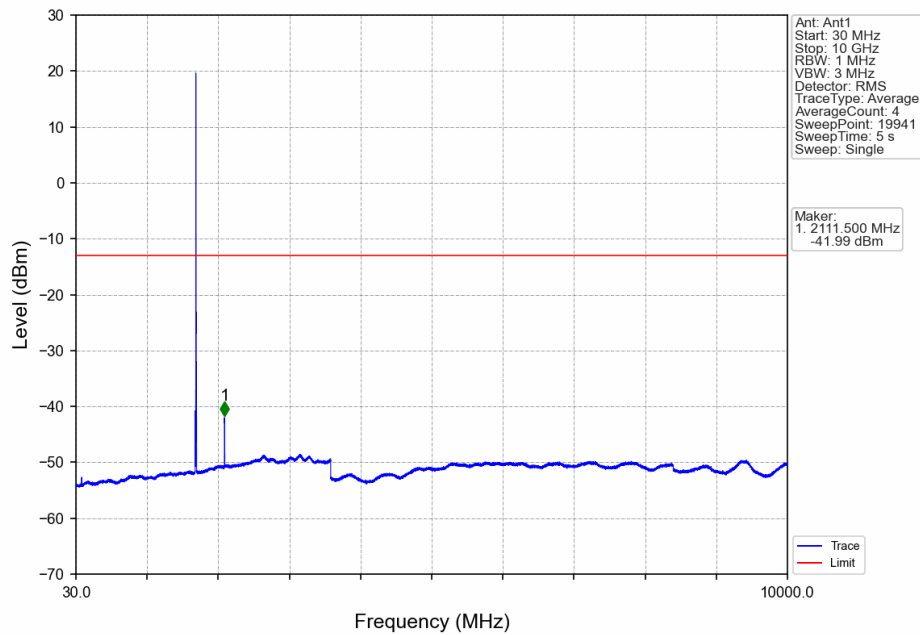


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	0	/	/	/	/	/
1755	1756	0.051	0	1	1755.004	-36.31	-13	Pass
1756	1760	1	12.92	2	1756.126	-33.73	-13	Pass

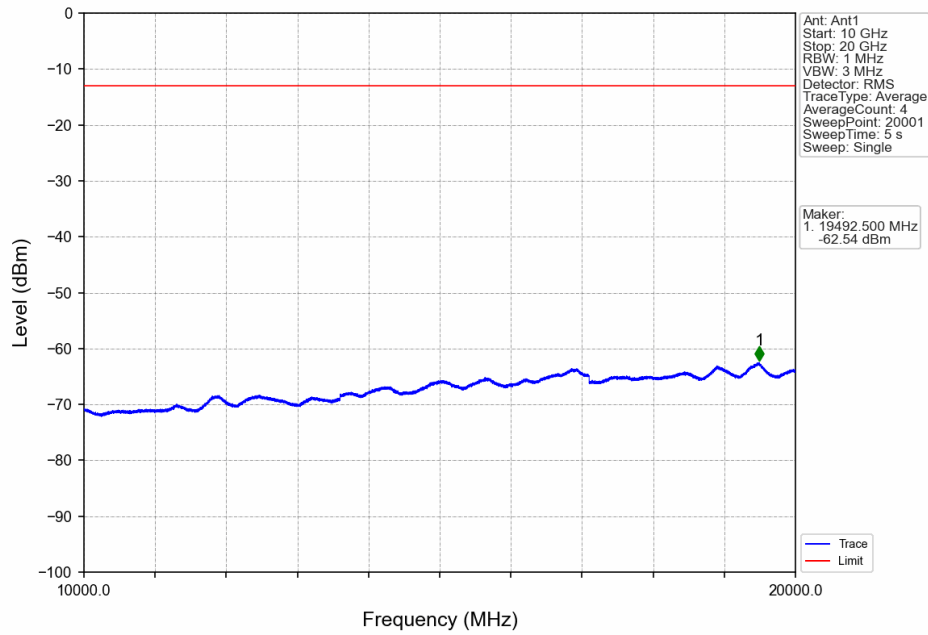
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV



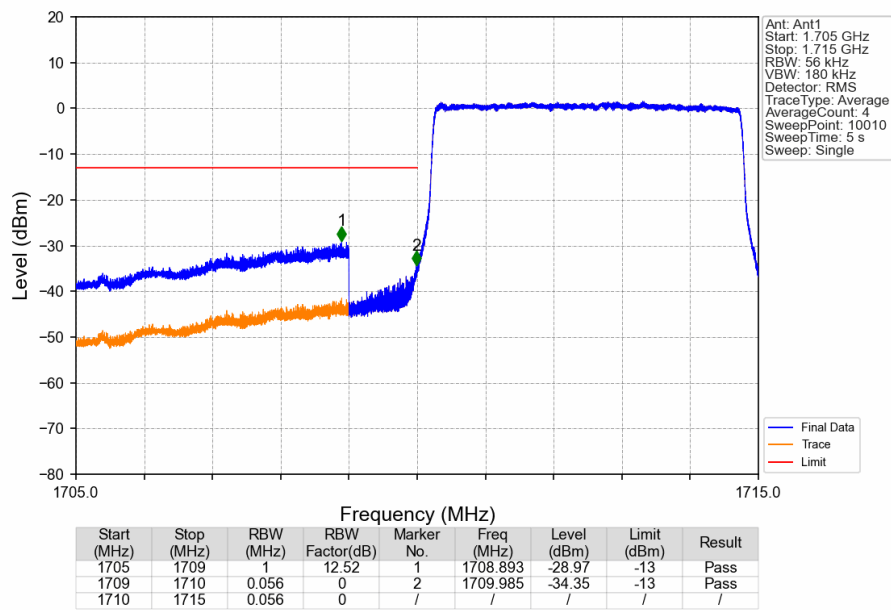
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV



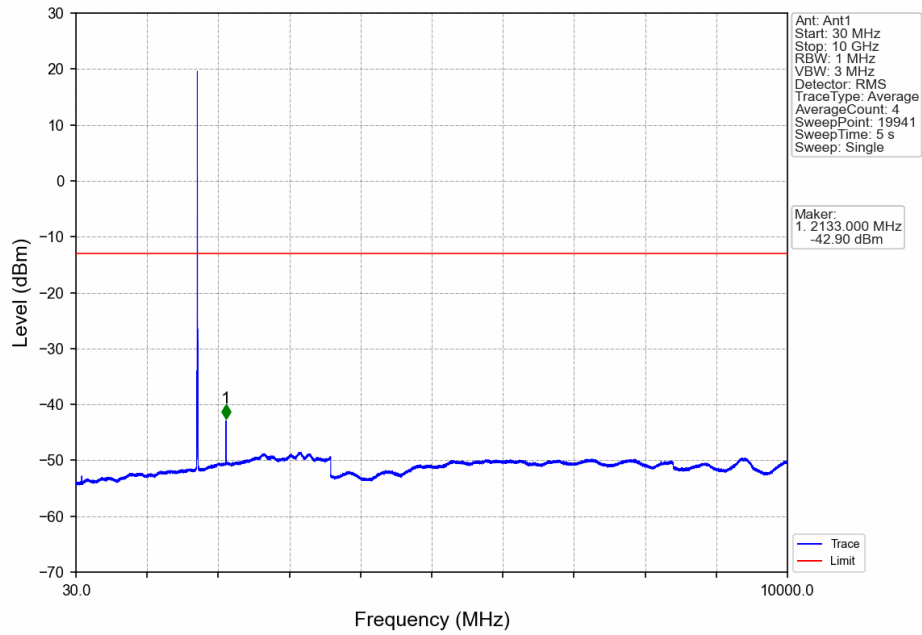
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



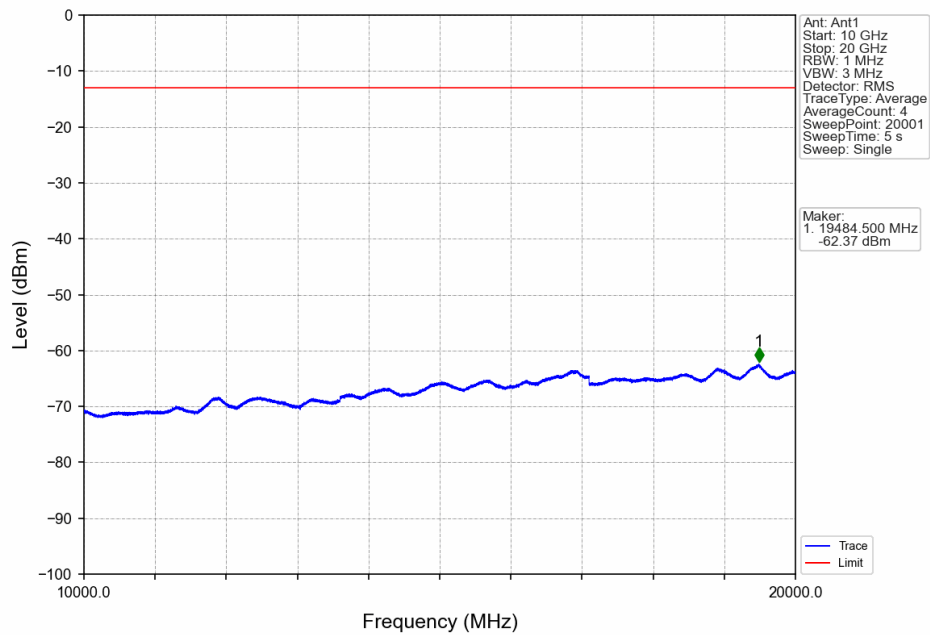
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



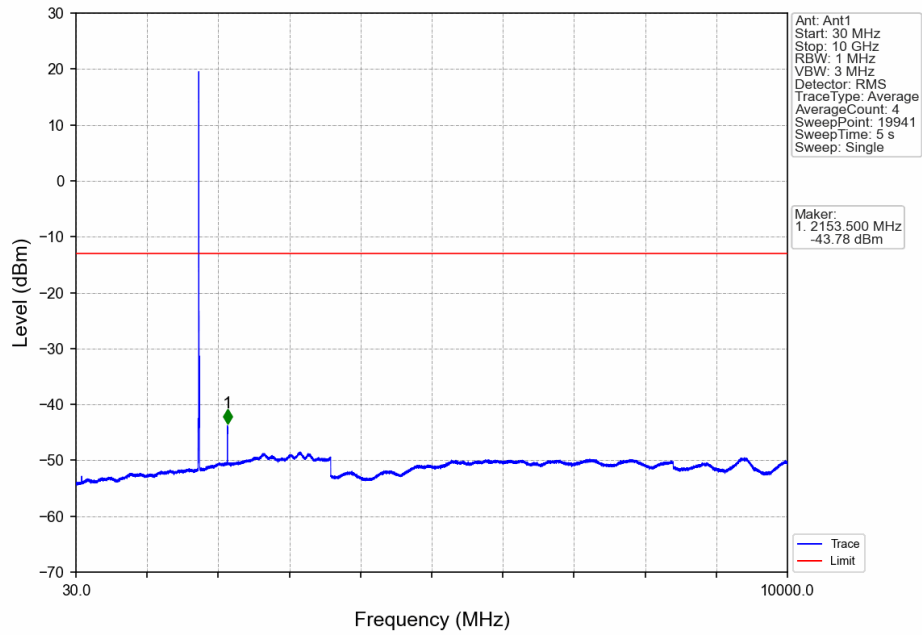
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



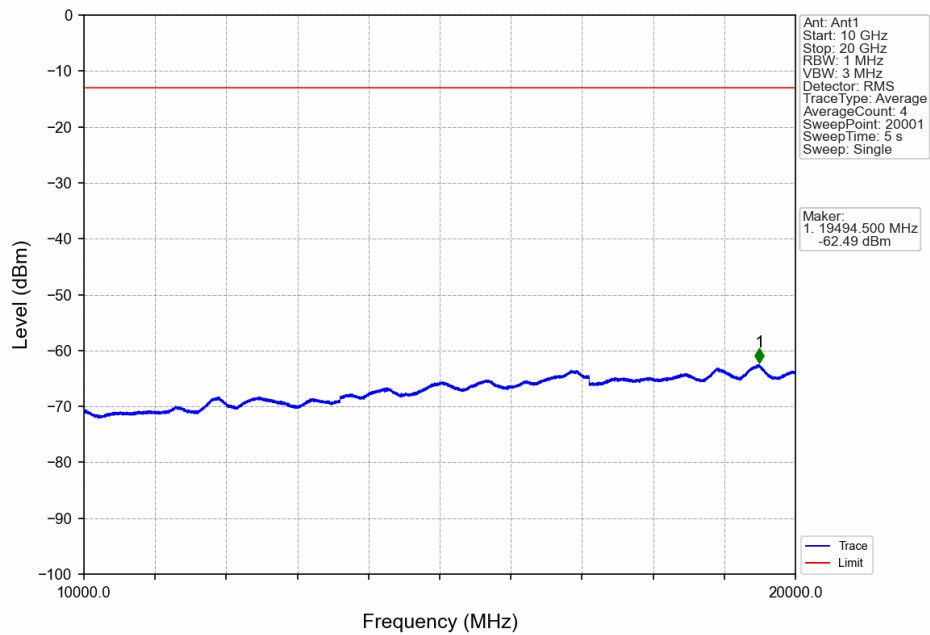
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



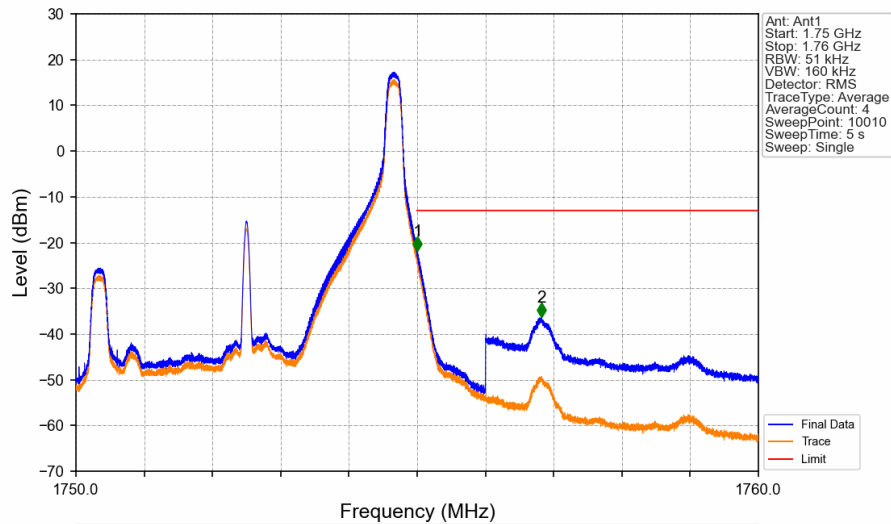
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

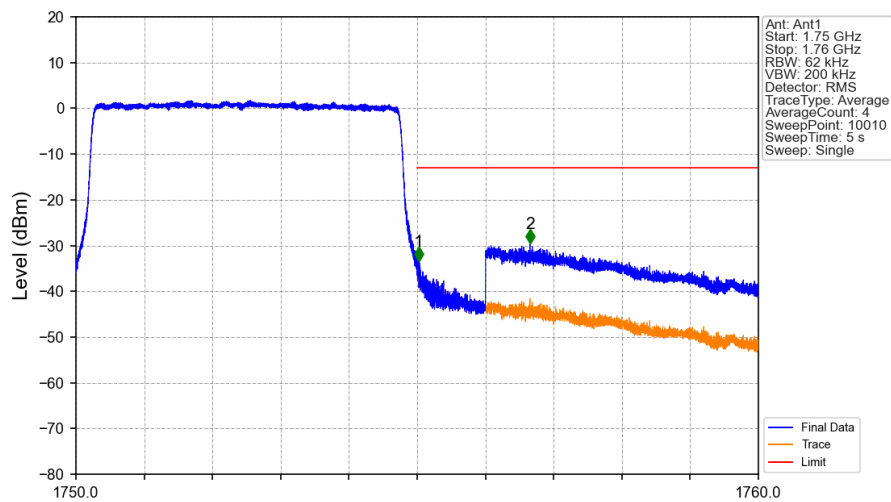


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.075	1.67	/	/	/	/	/
1755	1756	0.075	1.67	1	1755.003	-21.88	-13	Pass
1756	1760	1	12.92	2	1756.825	-36.35	-13	Pass

Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



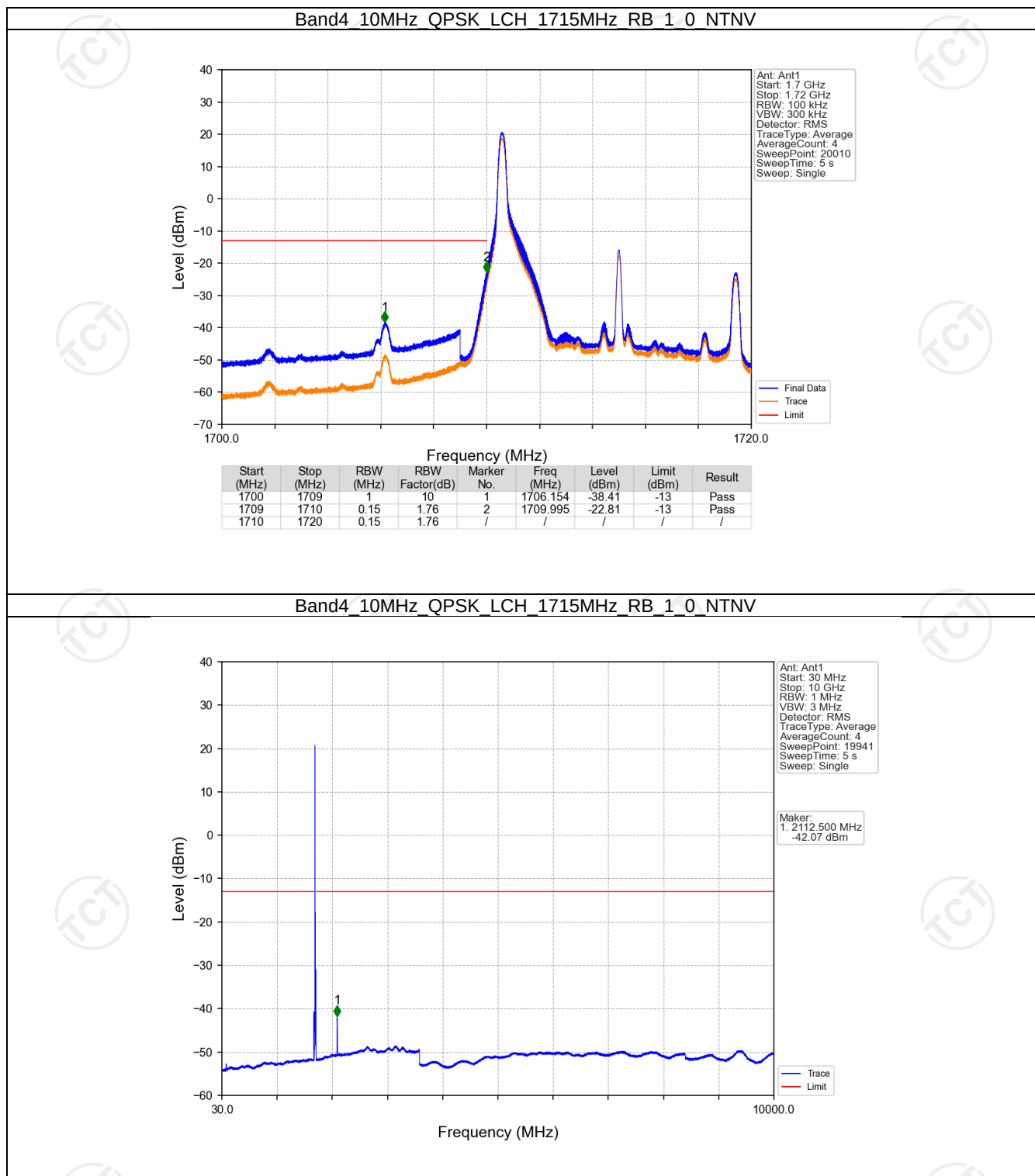
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.062	0	/	/	/	/	/
1755	1756	0.062	0	1	1755.018	-33.48	-13	Pass
1756	1760	1	12.08	2	1756.653	-29.51	-13	Pass

6.4 B4_10MHz

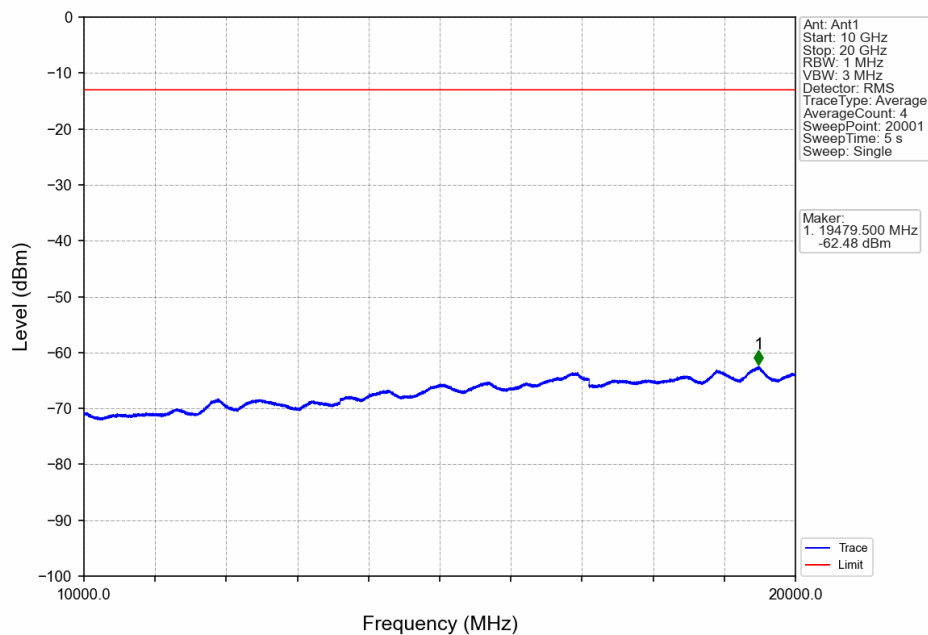
6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN					
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
		1	0	Refer To Test Graph	Pass
	1750	1	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
		1	0	Refer To Test Graph	Pass
	1750	1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

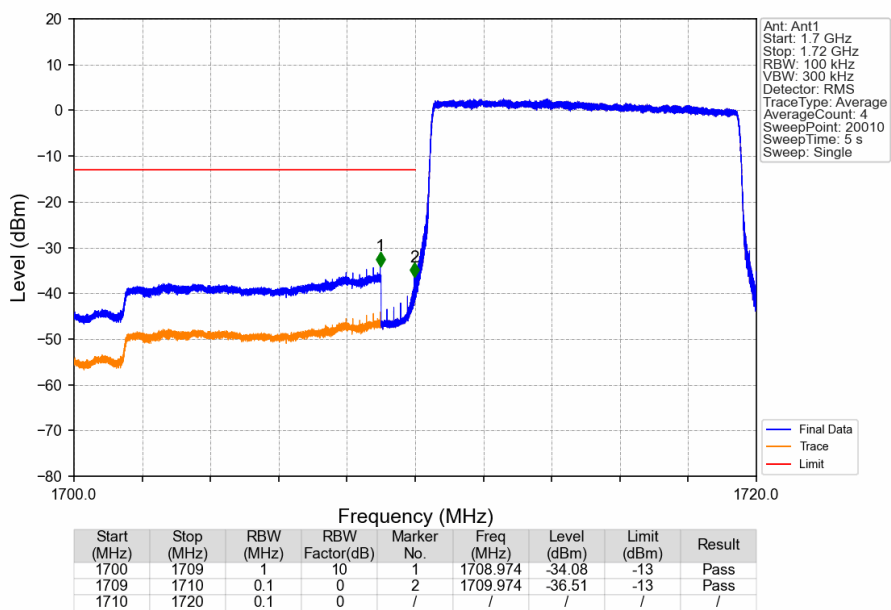
6.4.2 Test Graph



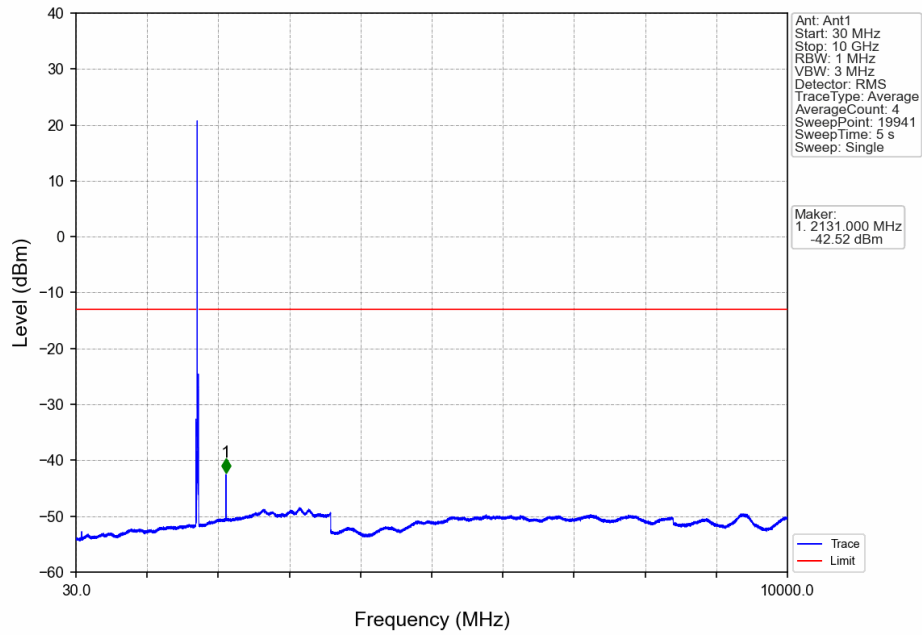
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



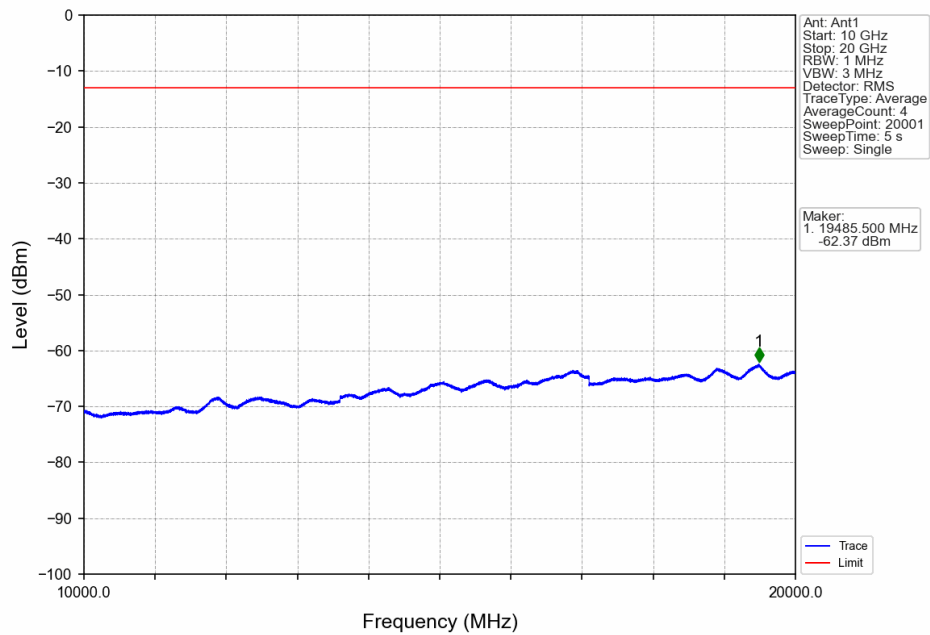
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



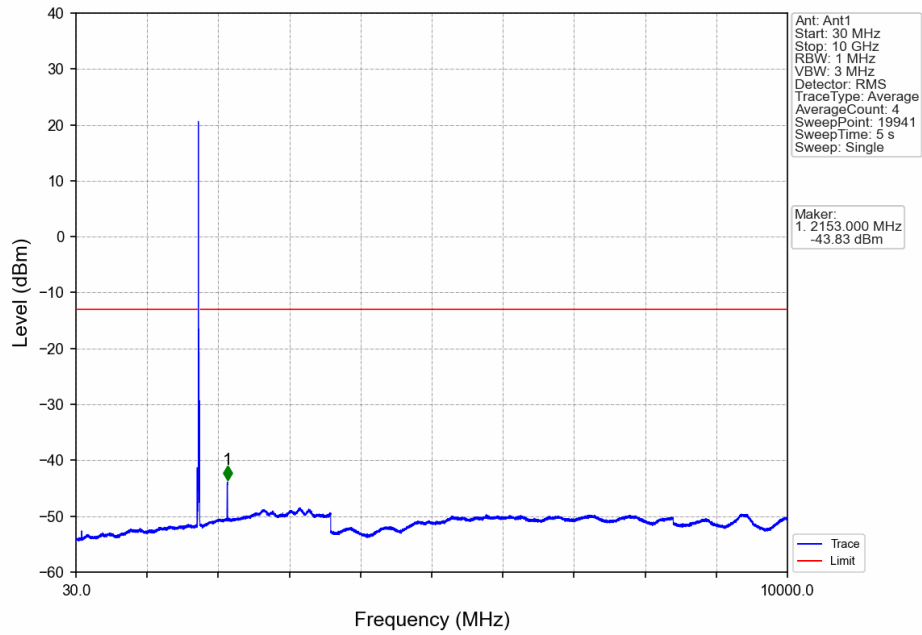
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



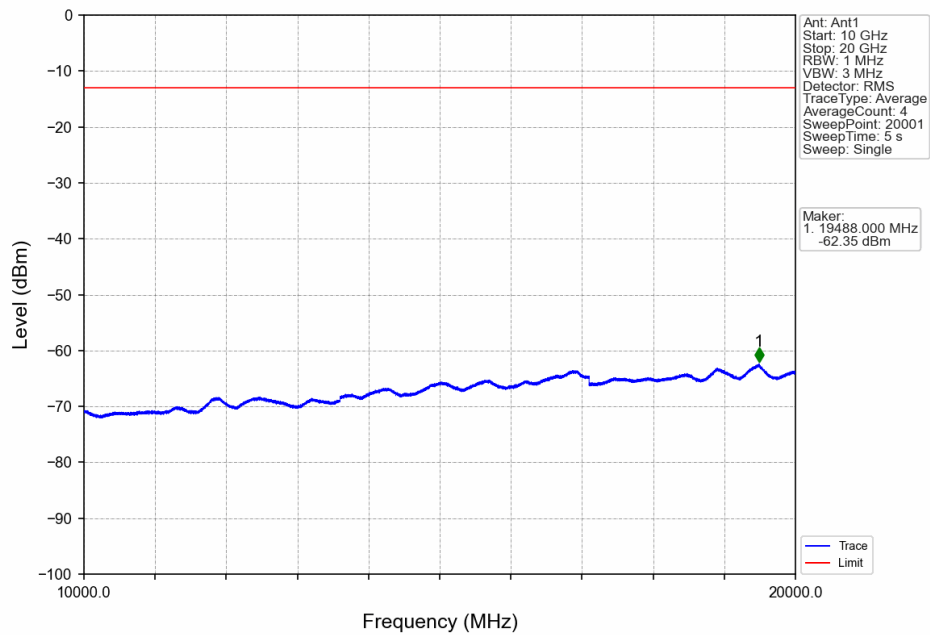
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



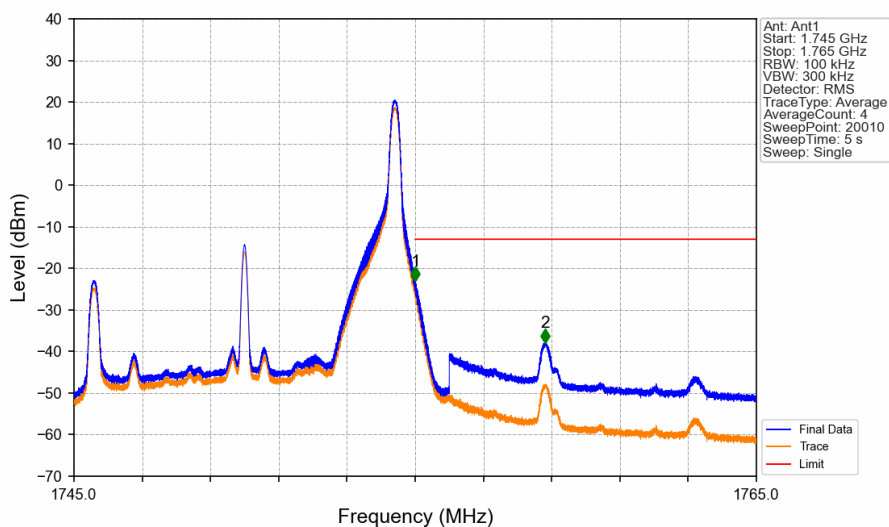
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

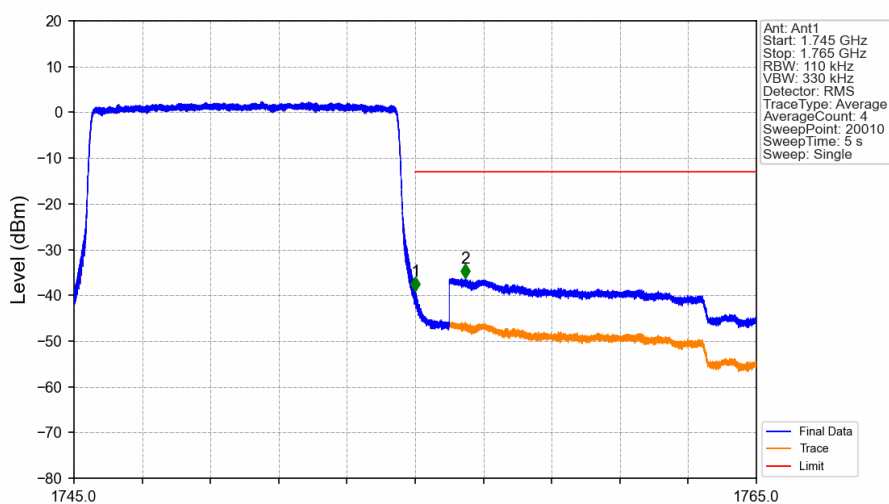


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



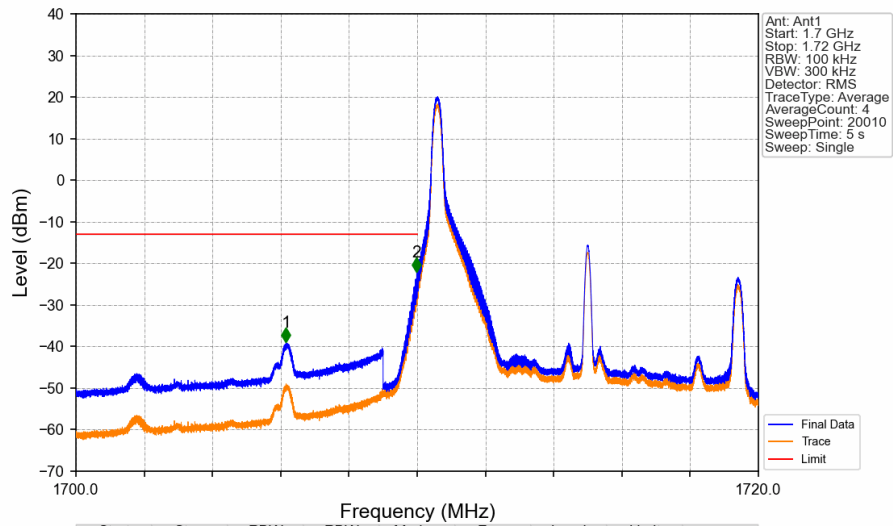
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.15	1.76	/	/	/	/	/
1755	1756	0.15	1.76	1	1755.006	-23.07	-13	Pass
1756	1765	1	10	2	1758.810	-37.91	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

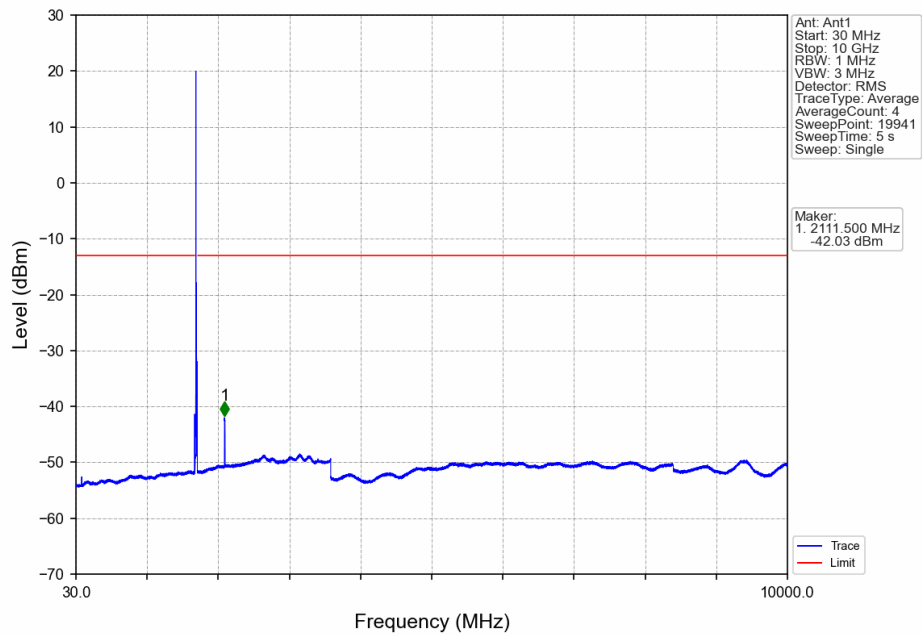


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.11	0	/	/	/	/	/
1755	1756	0.11	0	1	1755.001	-39.09	-13	Pass
1756	1765	1	9.59	2	1756.472	-36.23	-13	Pass

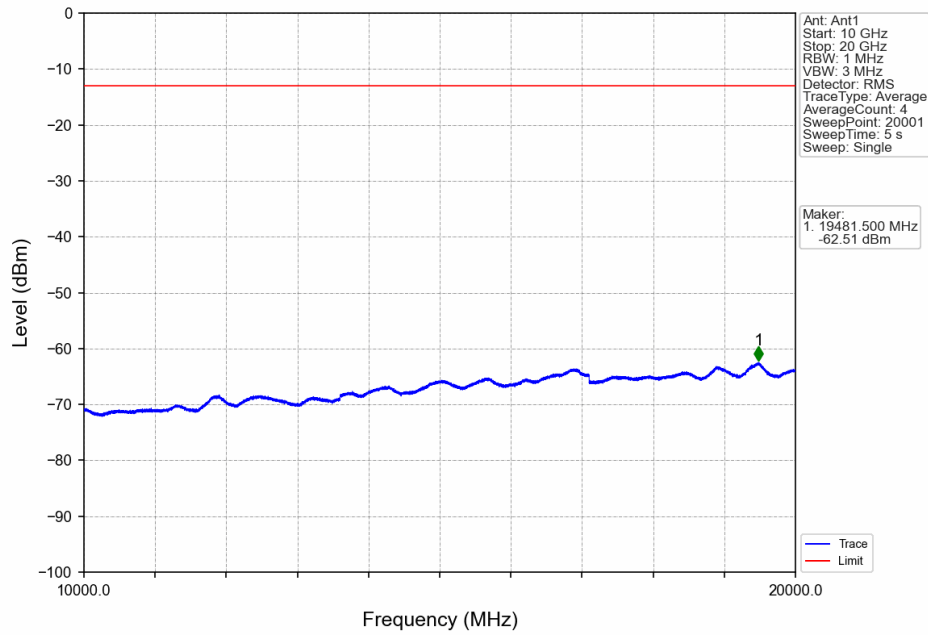
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



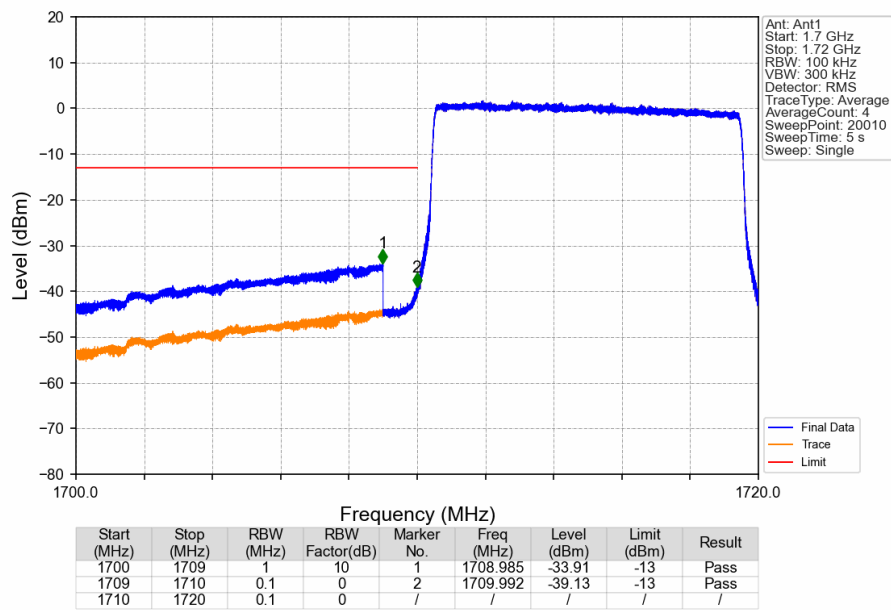
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



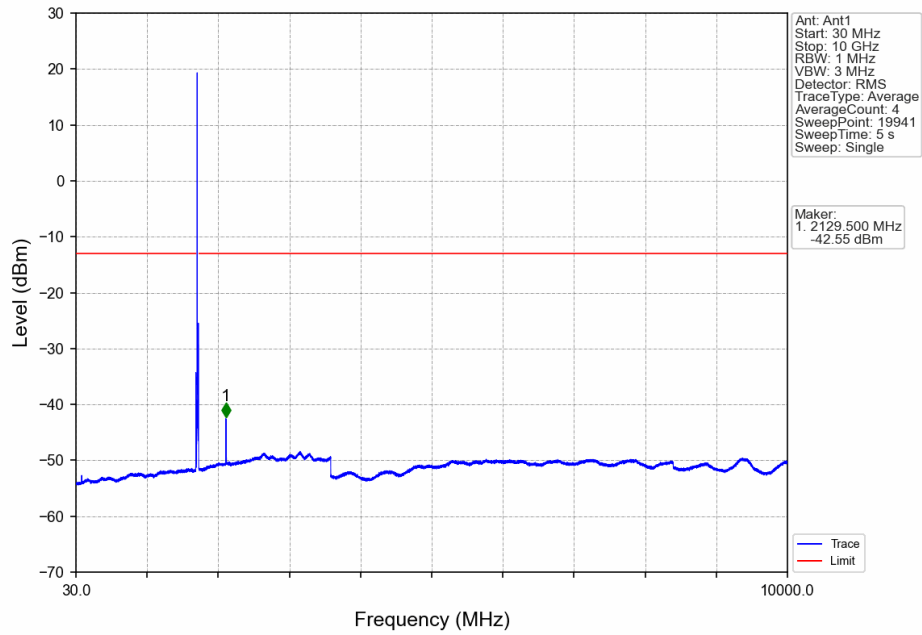
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



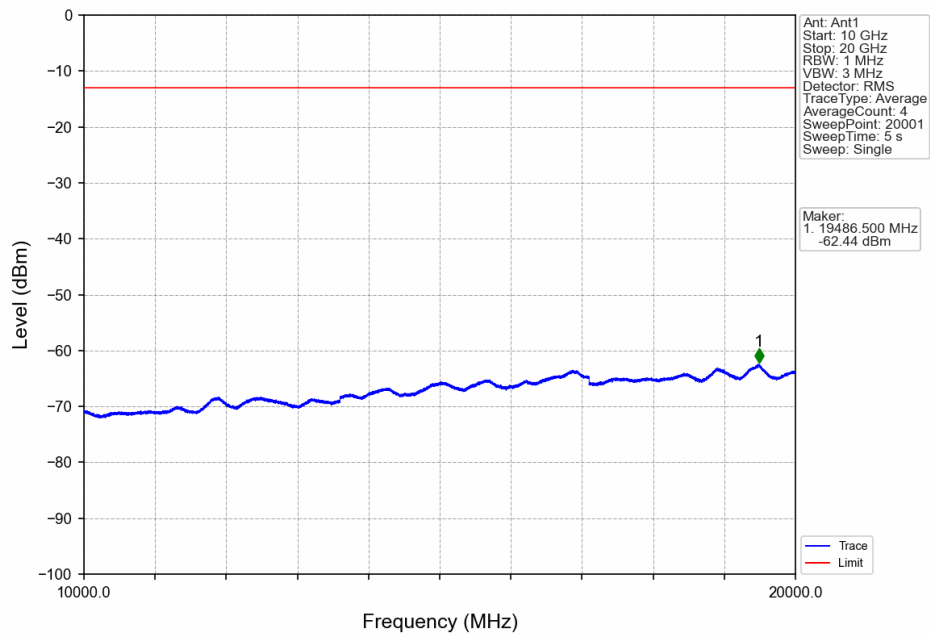
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



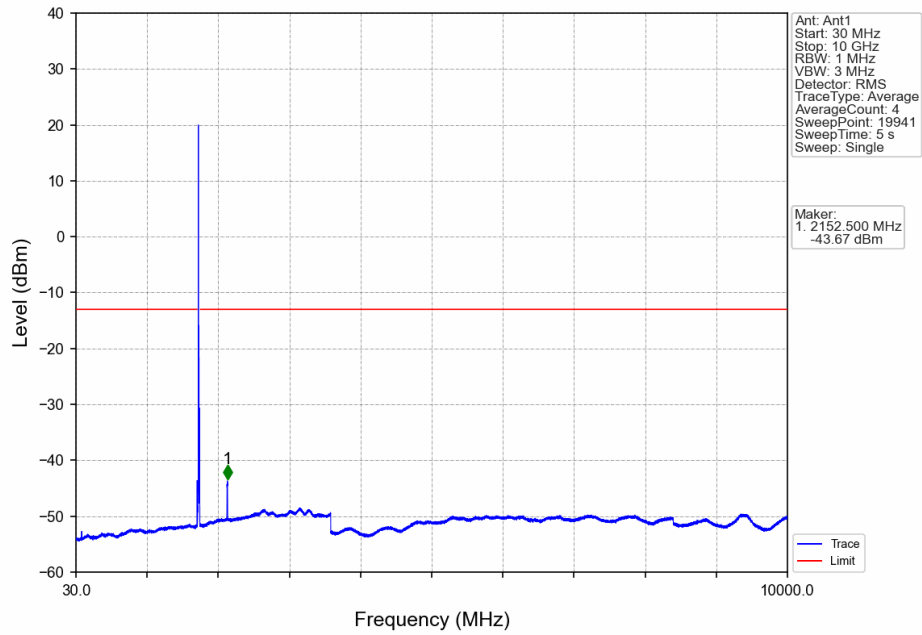
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



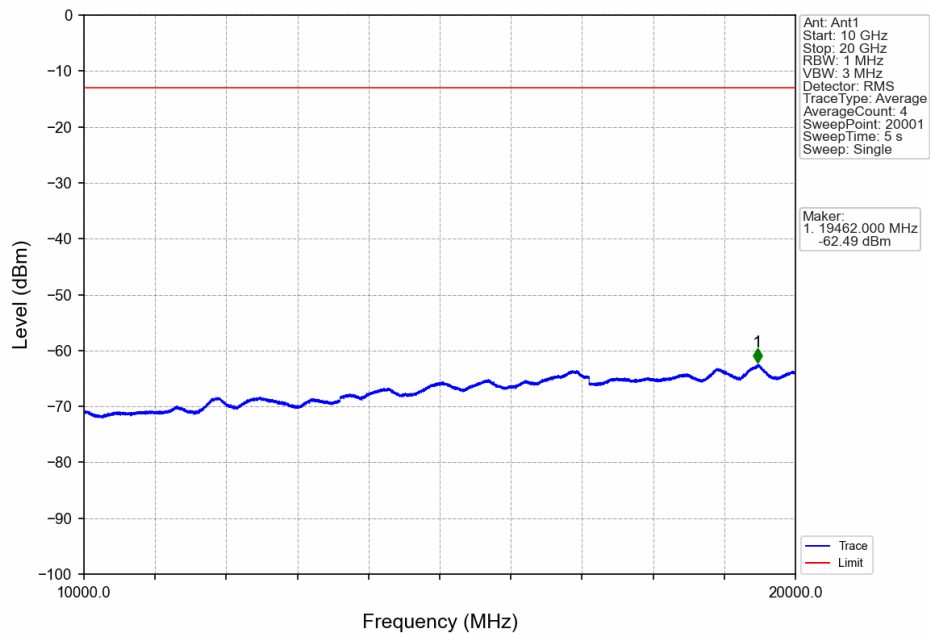
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



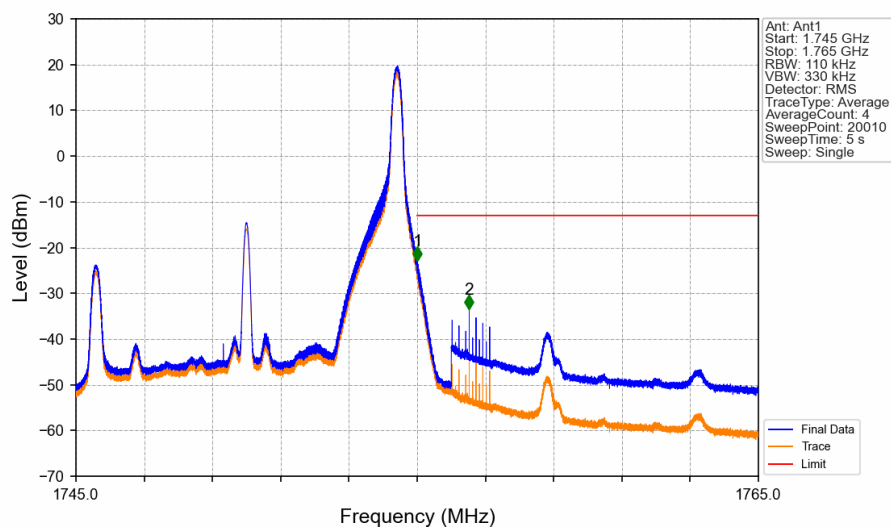
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

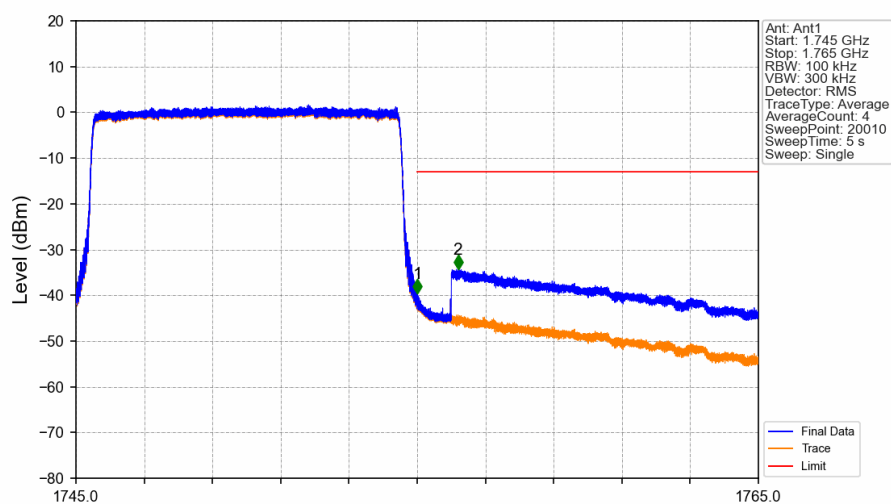


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.15	1.35	/	/	/	/	/
1755	1756	0.15	1.35	1	1755.005	-22.99	-13	Pass
1756	1765	1	9.59	2	1756.525	-33.57	-13	Pass

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



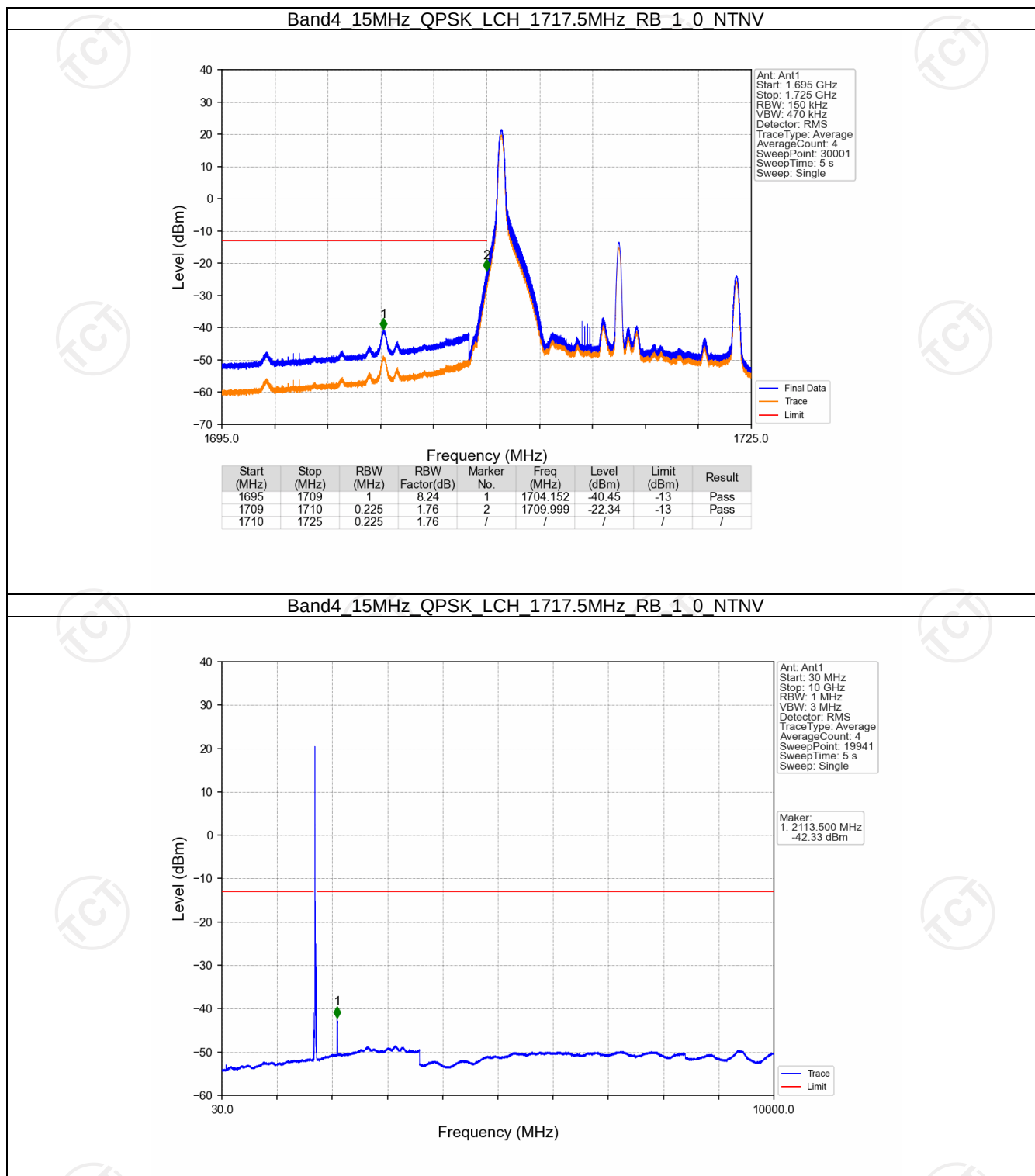
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.107	0.29	/	/	/	/	/
1755	1756	0.107	0.29	1	1755.003	-39.66	-13	Pass
1756	1765	1	10	2	1756.198	-34.30	-13	Pass

6.5 B4_15MHz

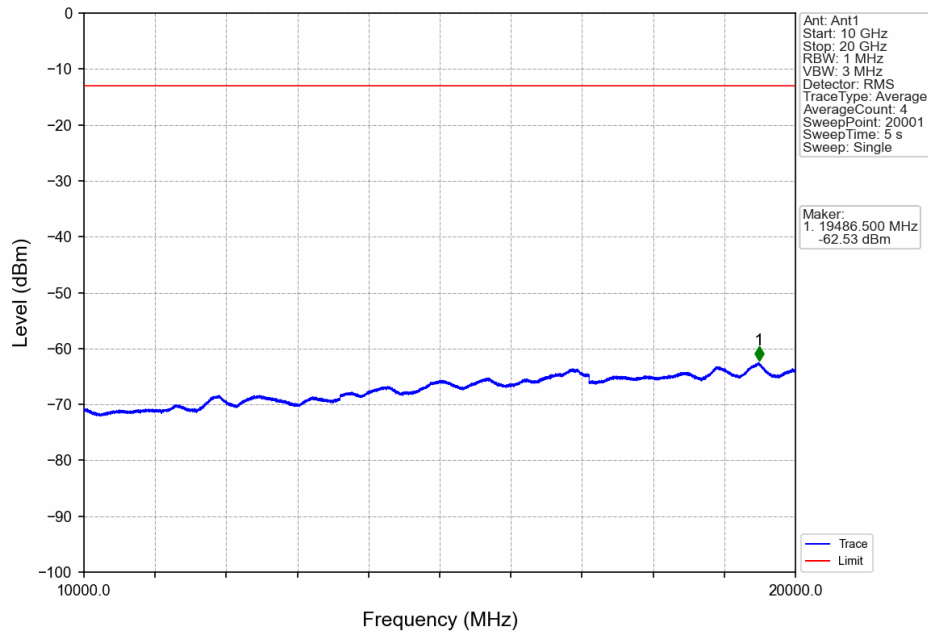
6.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN					
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

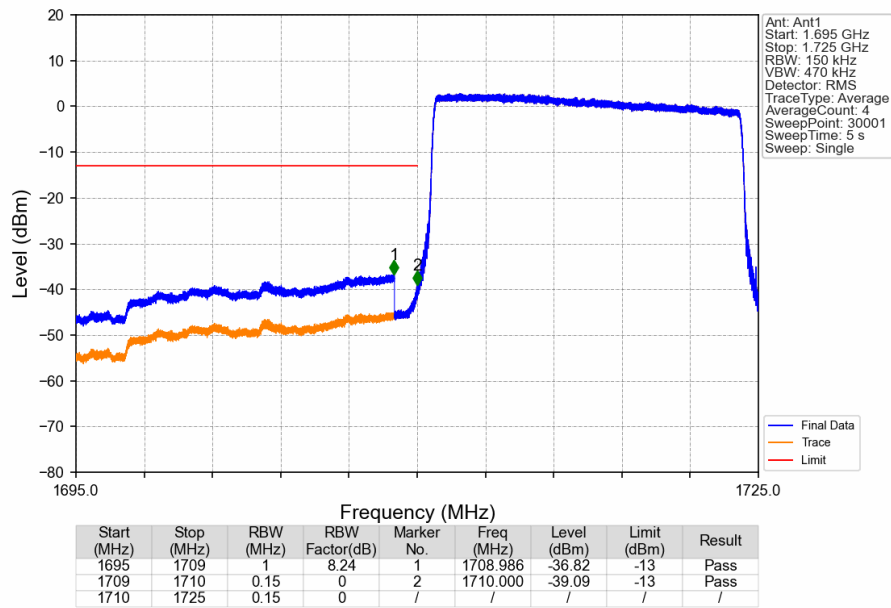
6.5.2 Test Graph



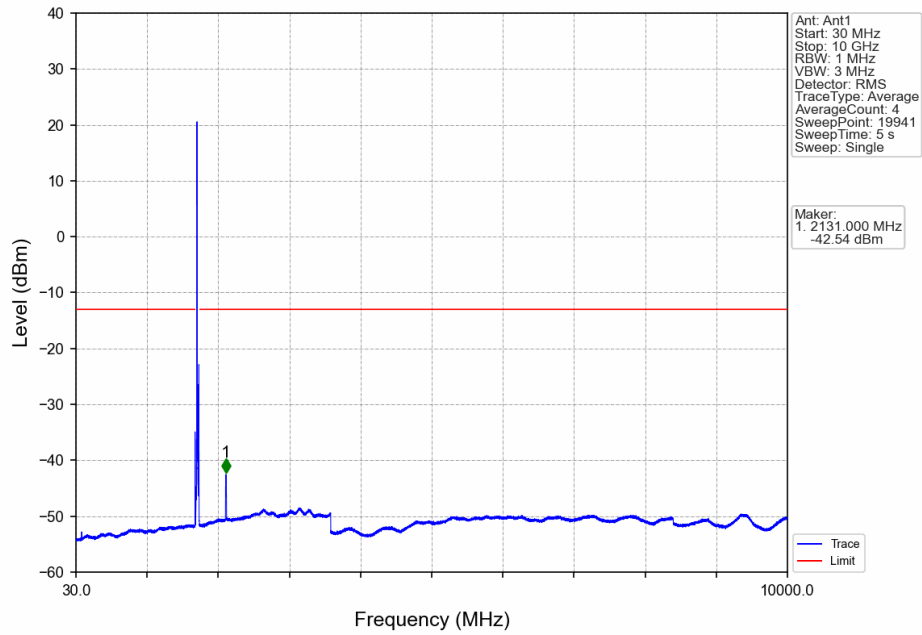
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



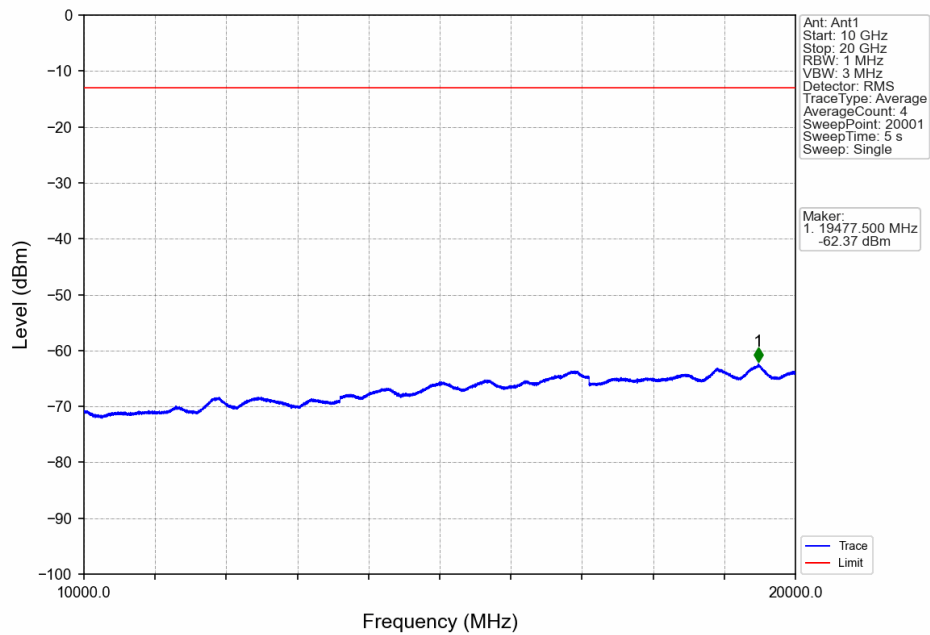
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



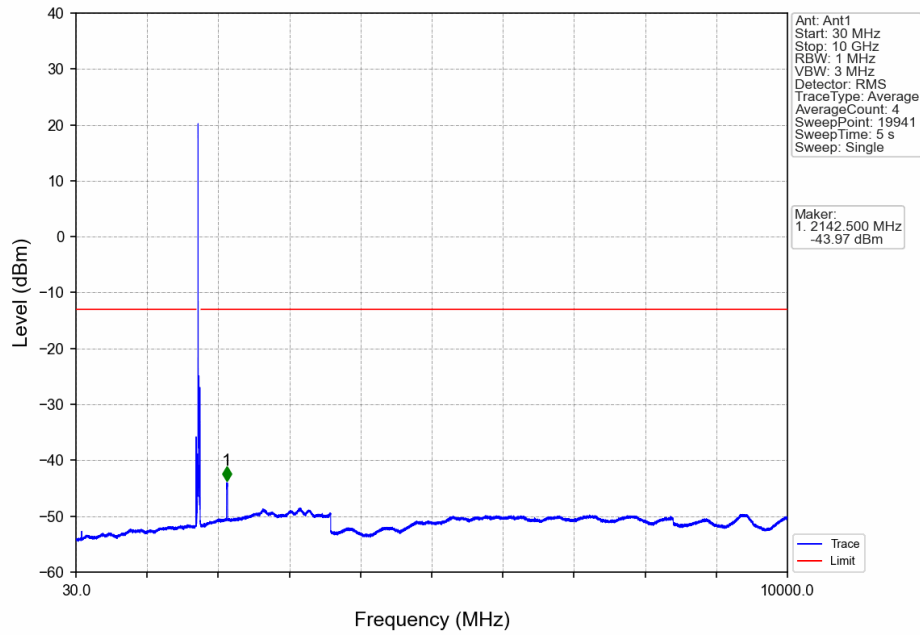
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



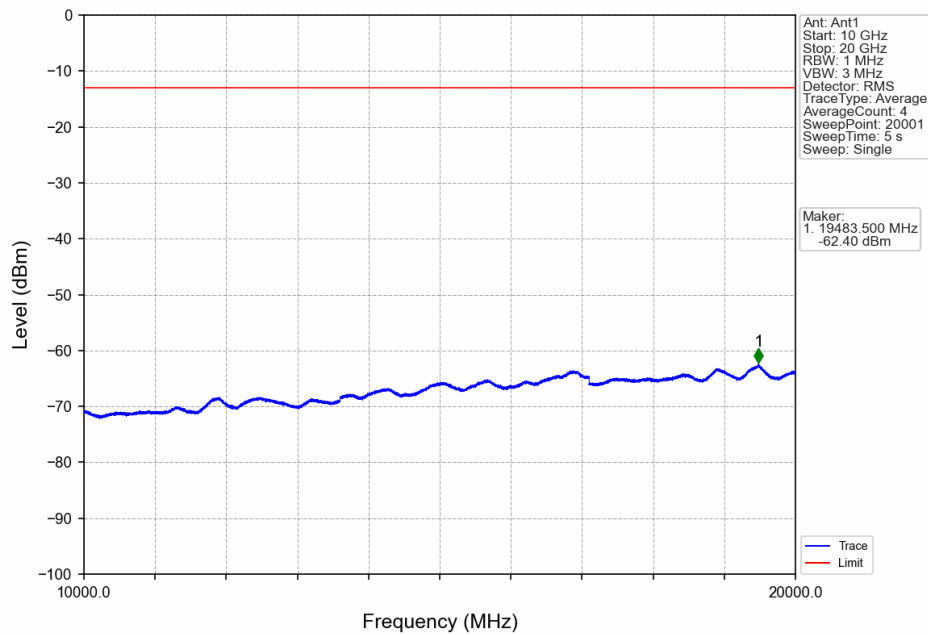
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



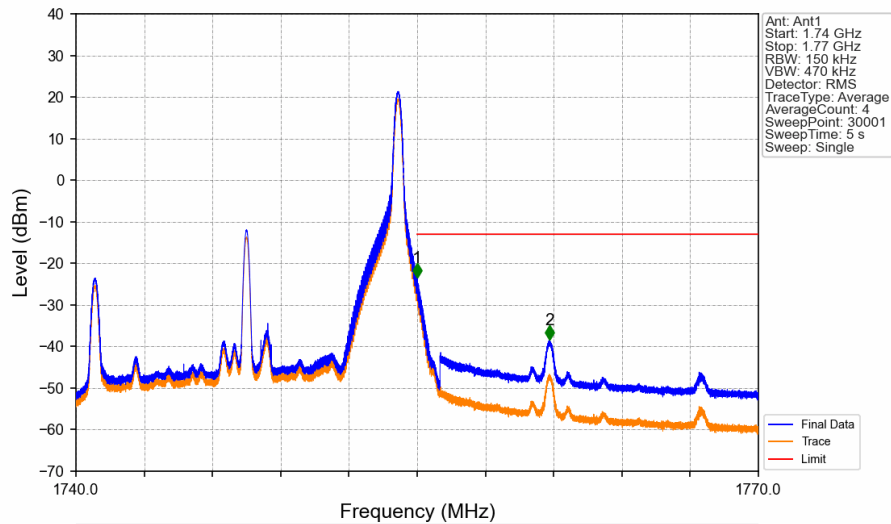
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

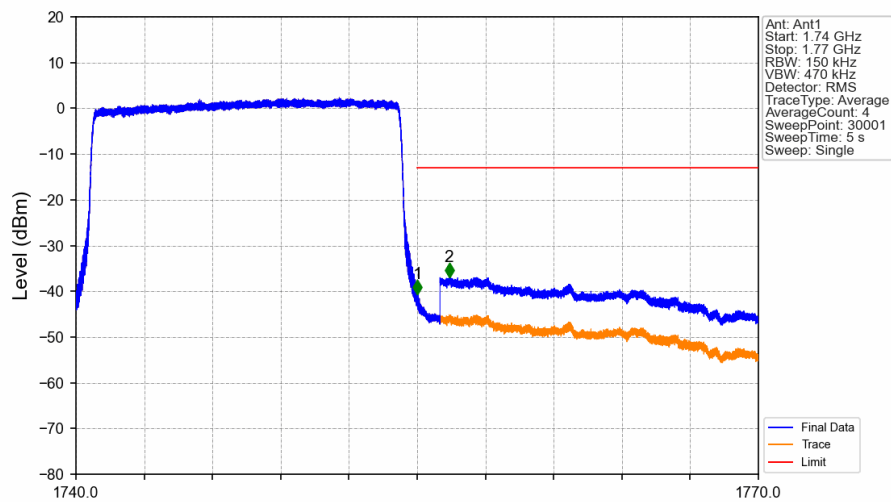


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



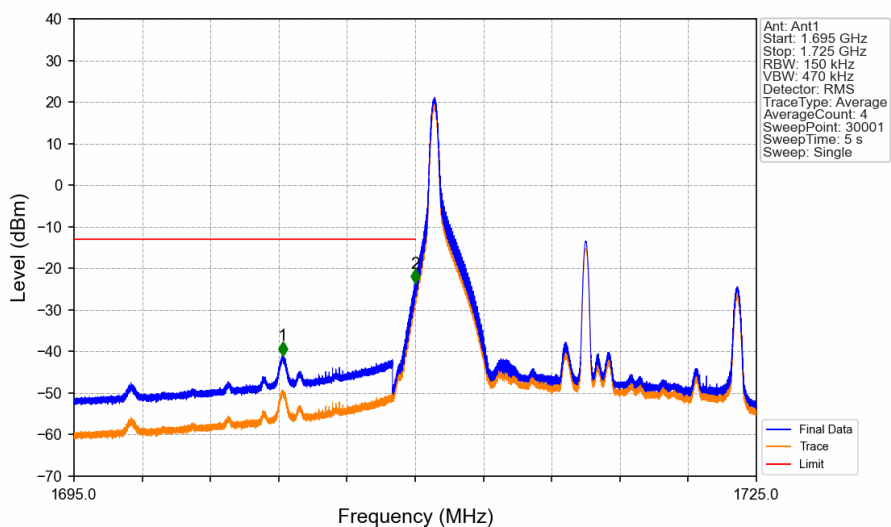
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.225	1.76	/	/	/	/	/
1755	1756	0.225	1.76	1	1755.001	-23.51	-13	Pass
1756	1770	1	8.24	2	1760.810	-38.41	-13	Pass

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

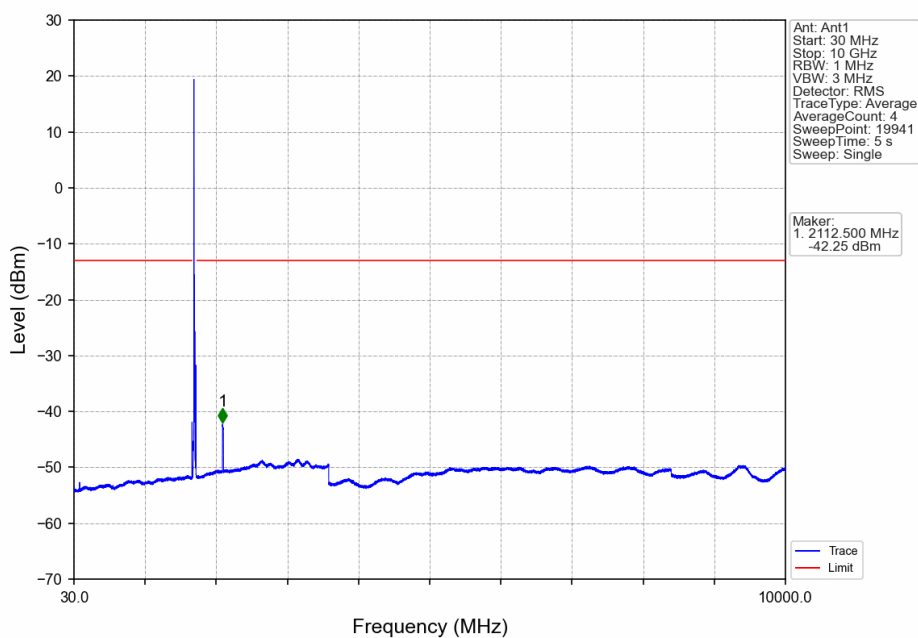


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	0	/	/	/	/	/
1755	1756	0.15	0	1	1755.015	-40.59	-13	Pass
1756	1770	1	8.24	2	1756.406	-36.88	-13	Pass

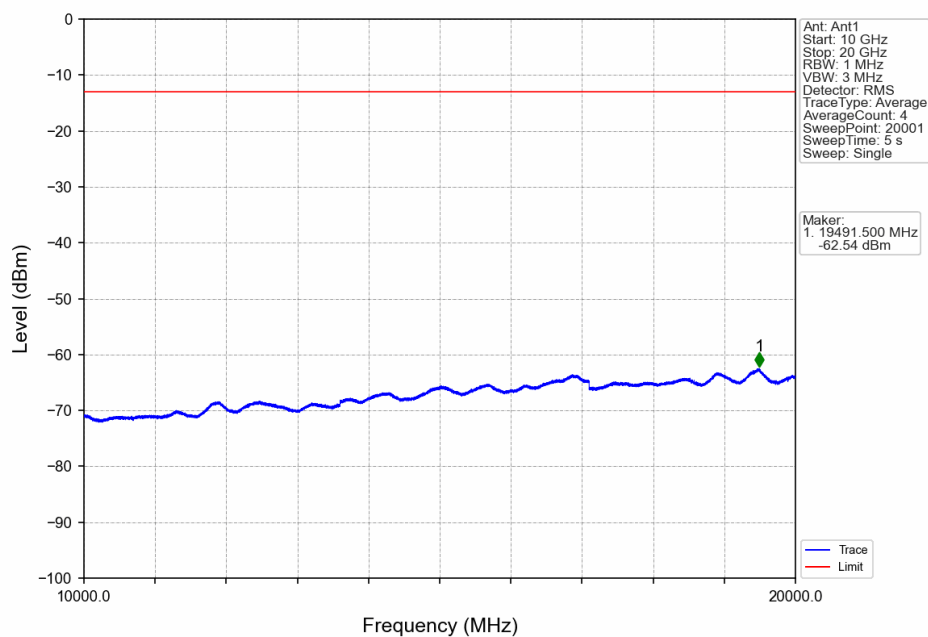
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



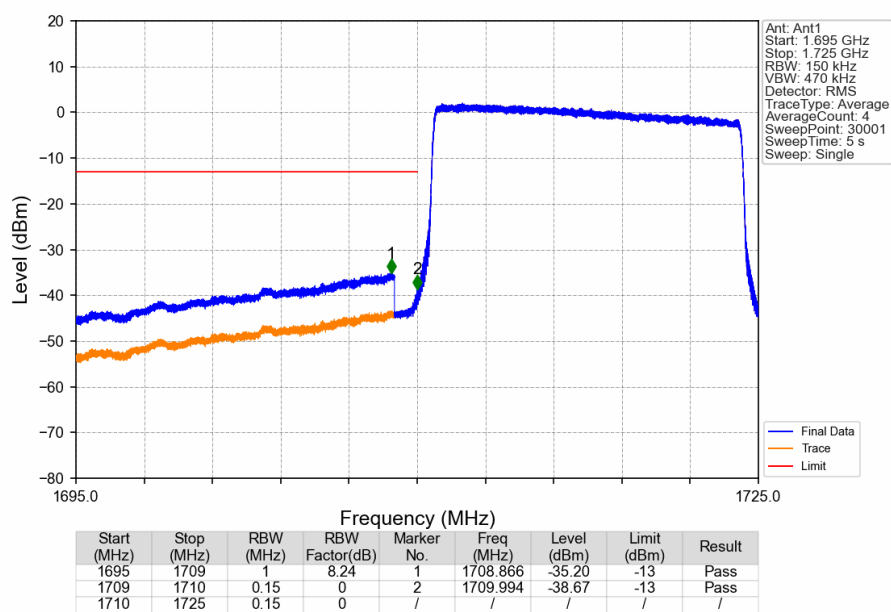
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



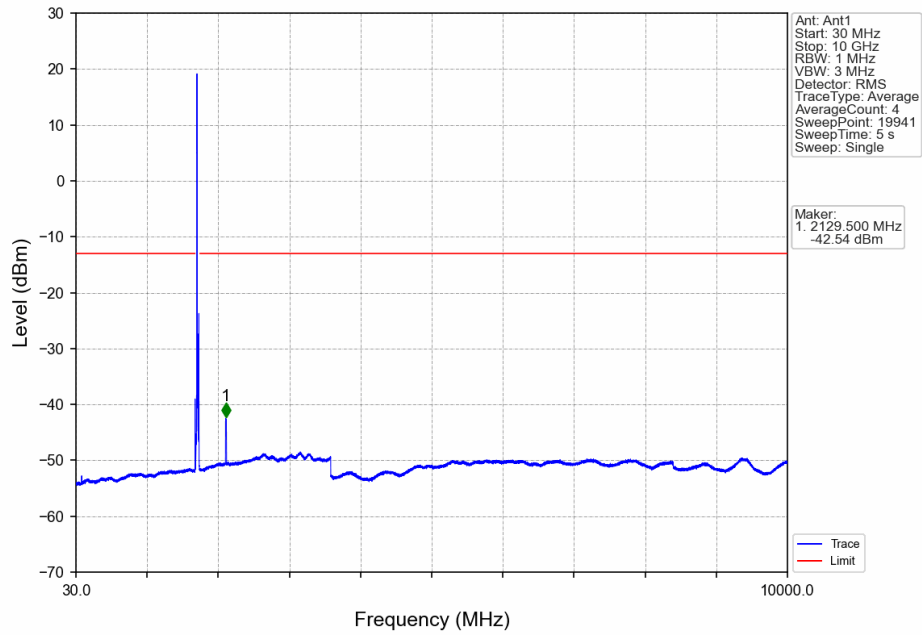
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



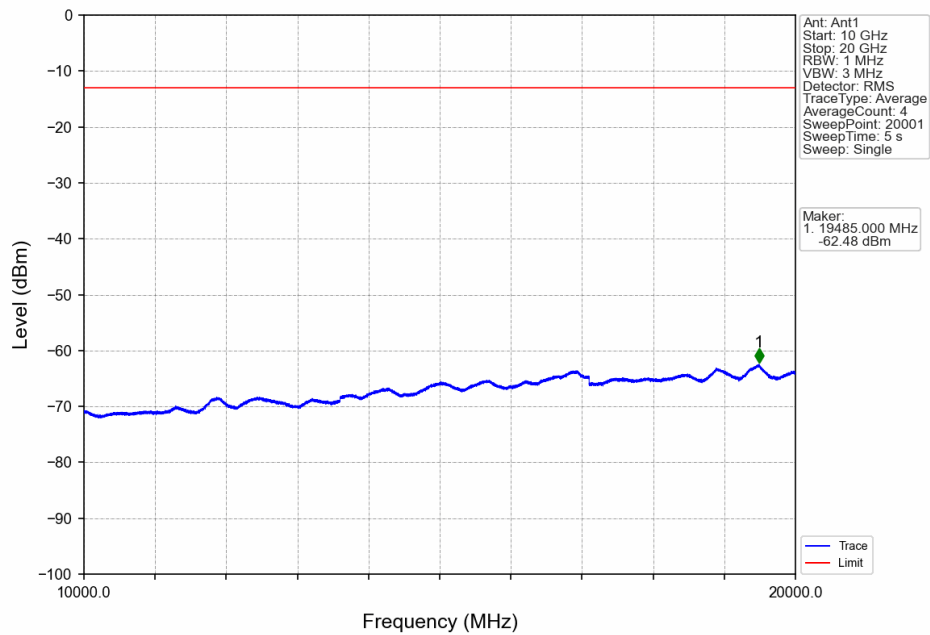
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



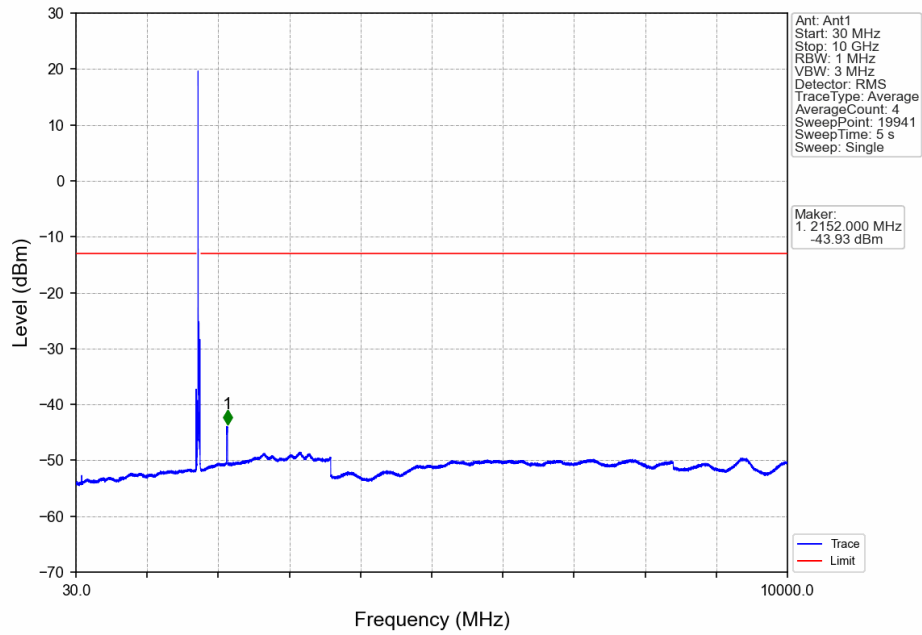
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



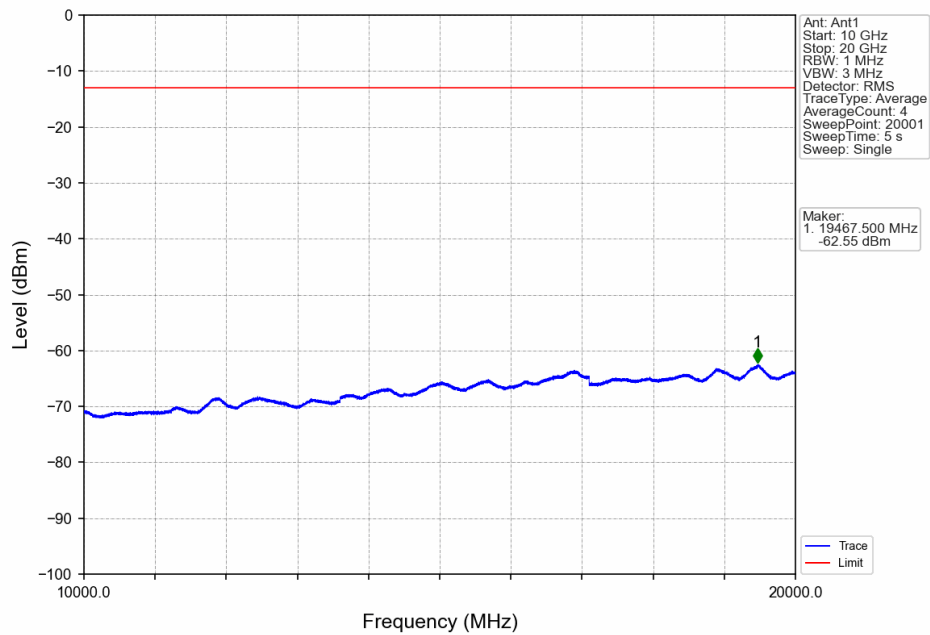
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



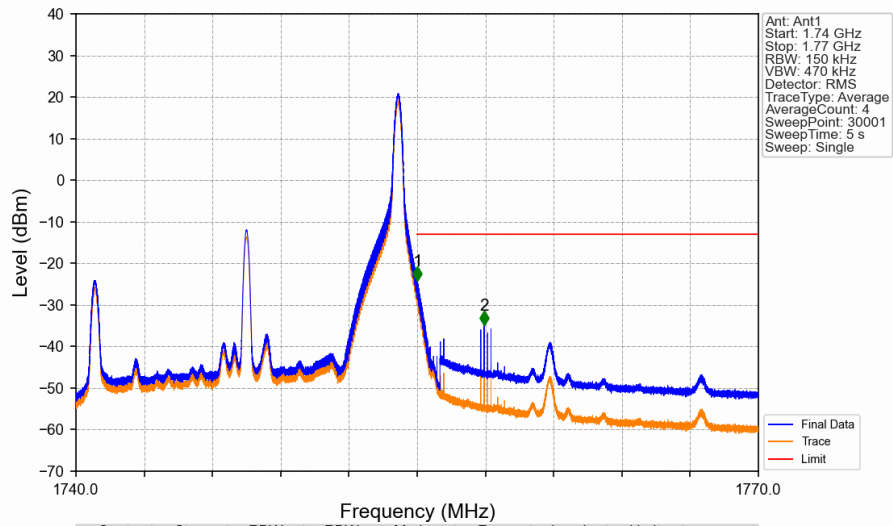
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



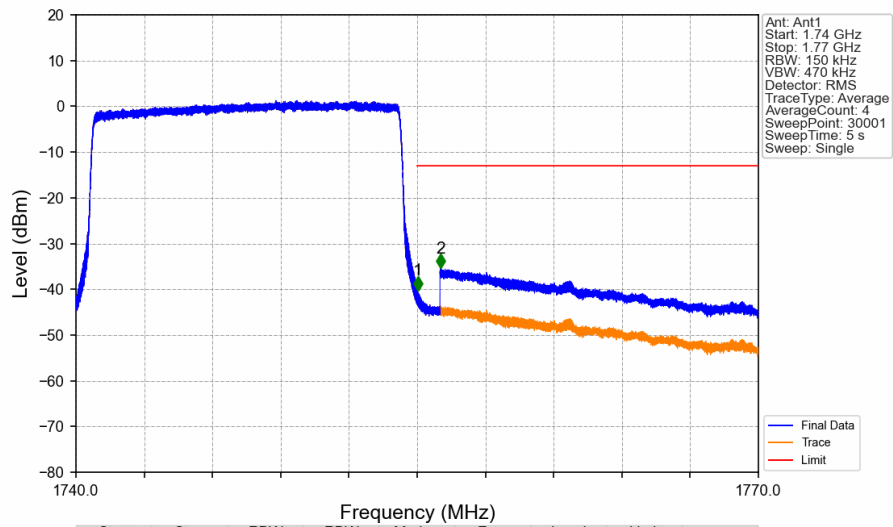
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

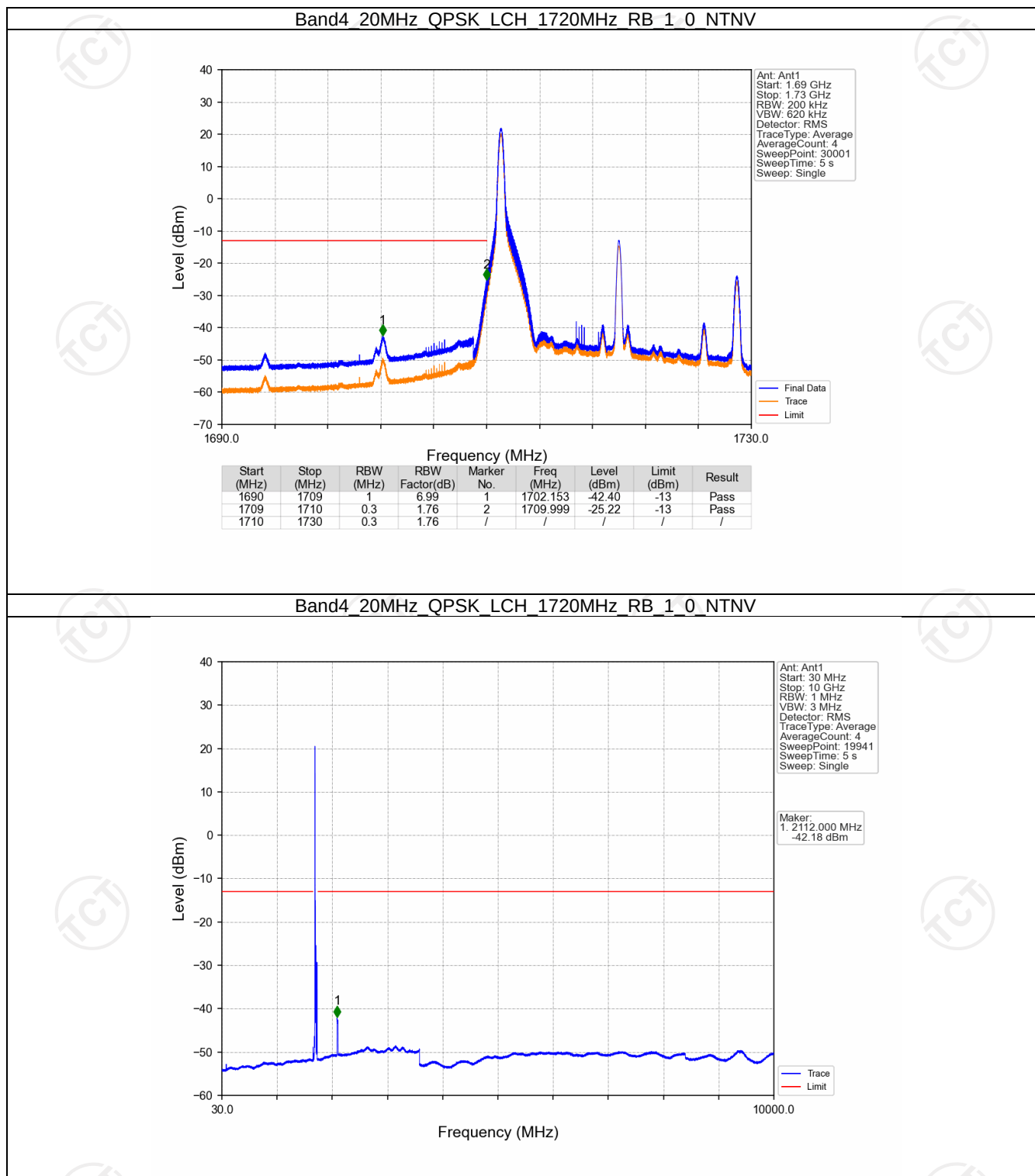


6.6 B4_20MHz

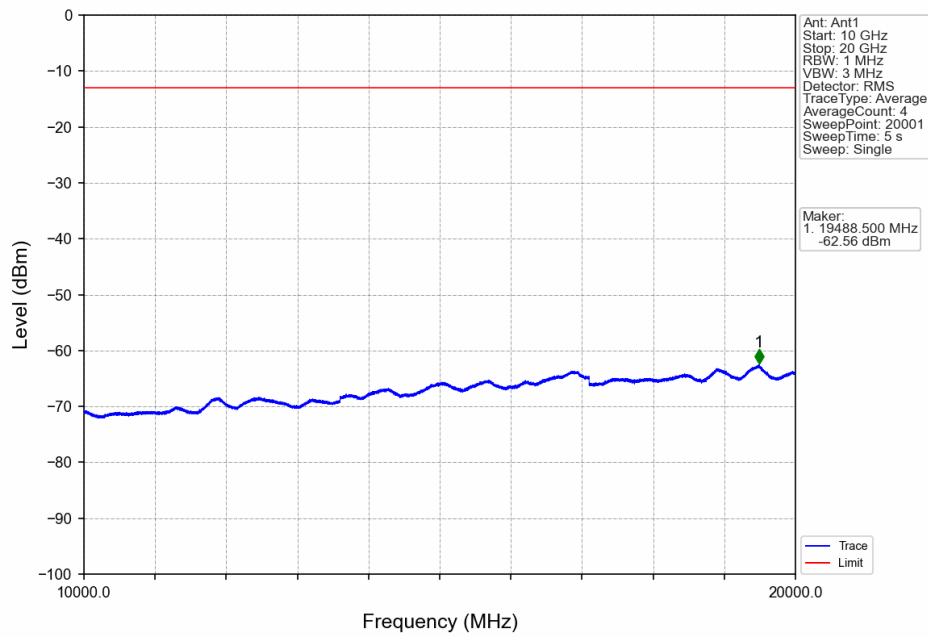
6.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN					
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

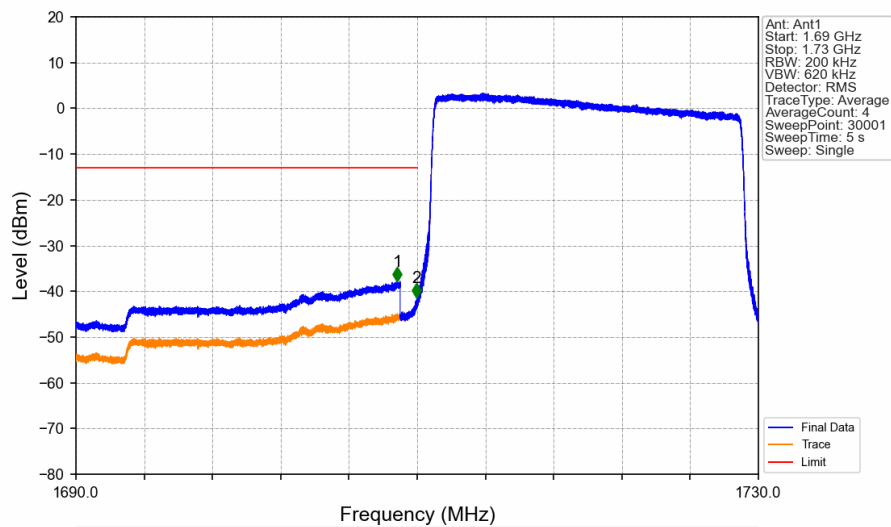
6.6.2 Test Graph



Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

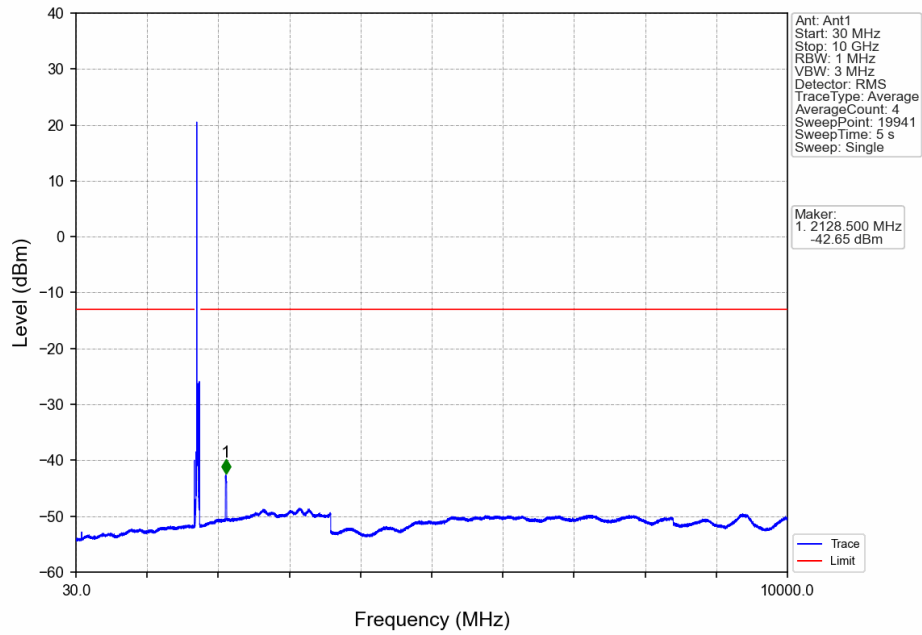


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

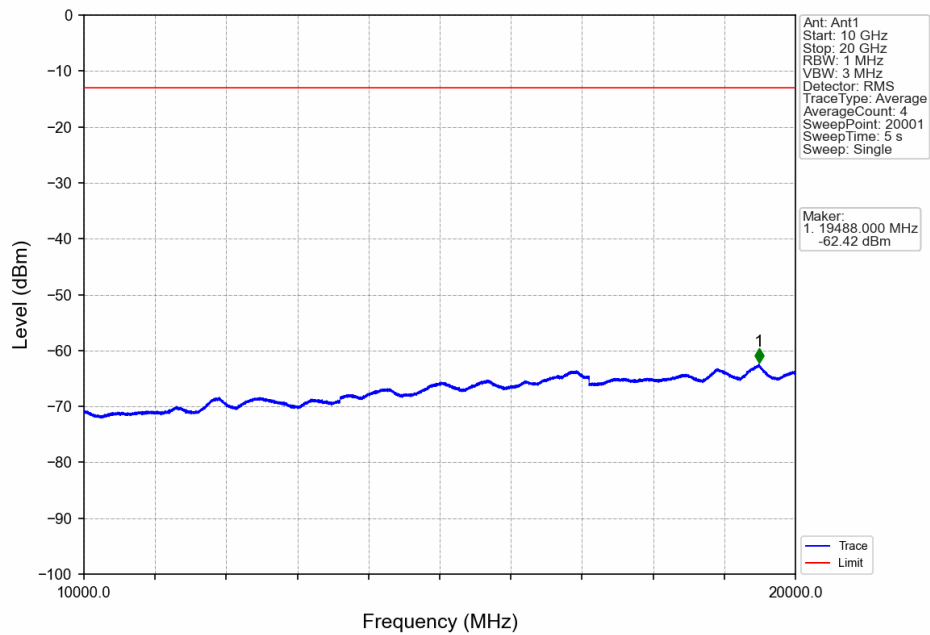


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	6.99	1	1708.839	-37.80	-13	Pass
1709	1710	0.2	0	2	1709.976	-41.38	-13	Pass
1710	1730	0.2	0	/	/	/	/	/

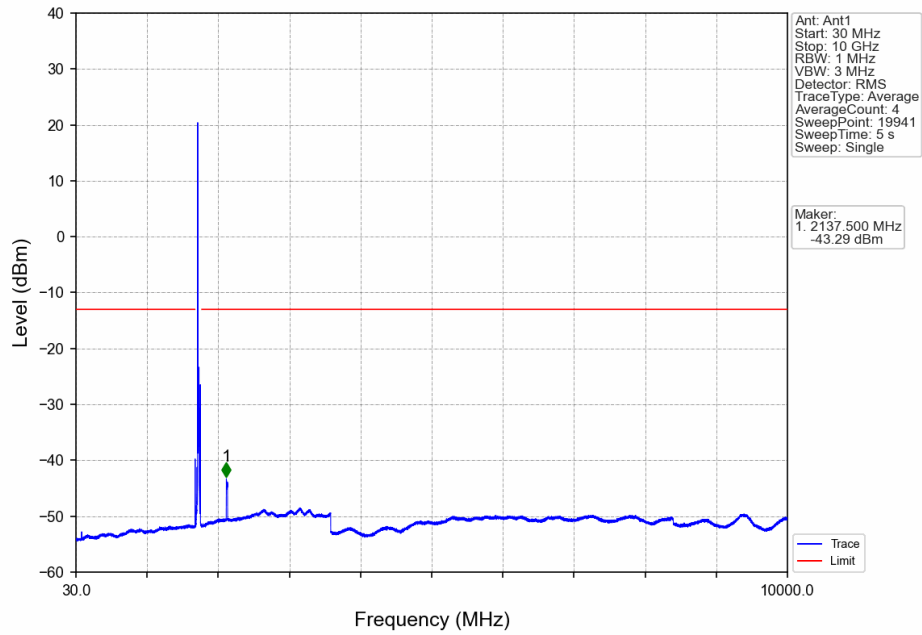
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



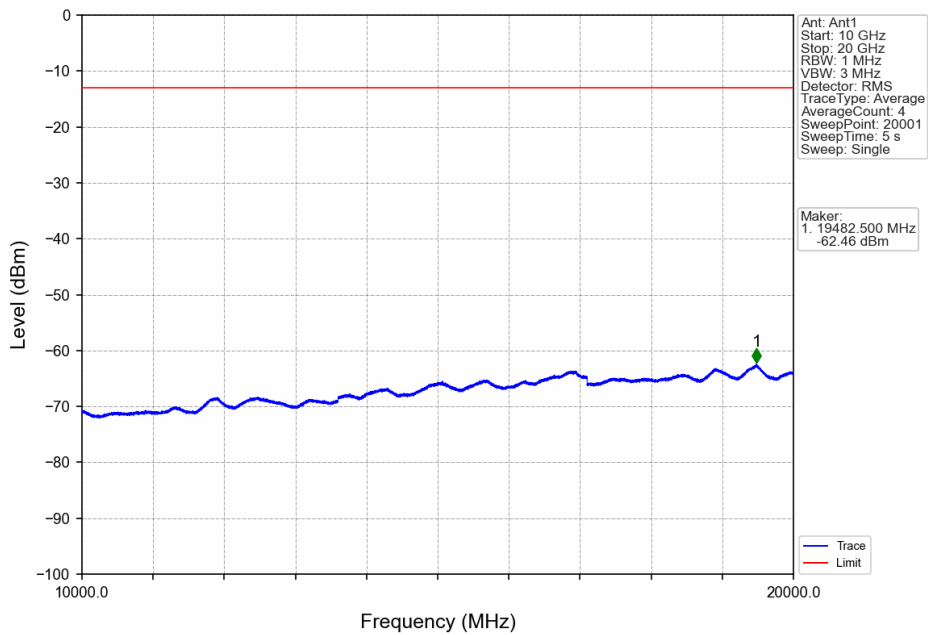
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



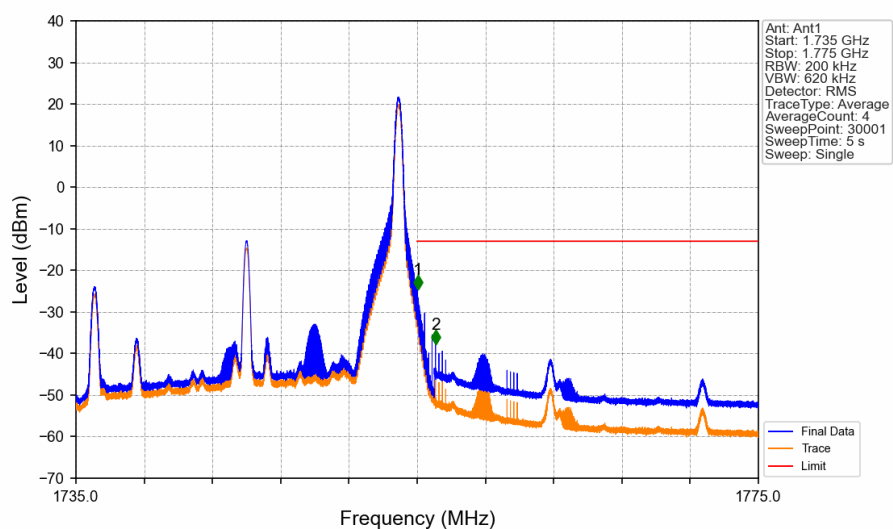
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

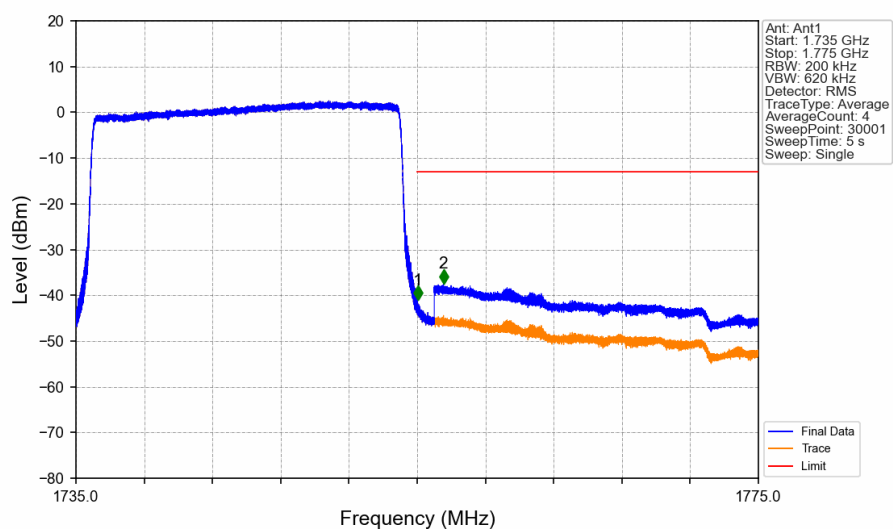


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



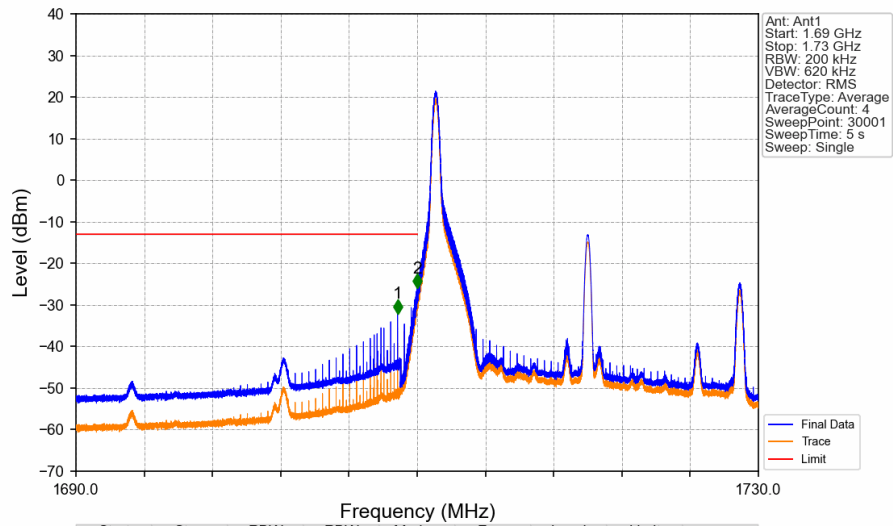
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.3	1.76	/	/	/	/	/
1755	1756	0.3	1.76	1	1755.025	-24.55	-13	Pass
1756	1775	1	6.99	2	1756.073	-37.81	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

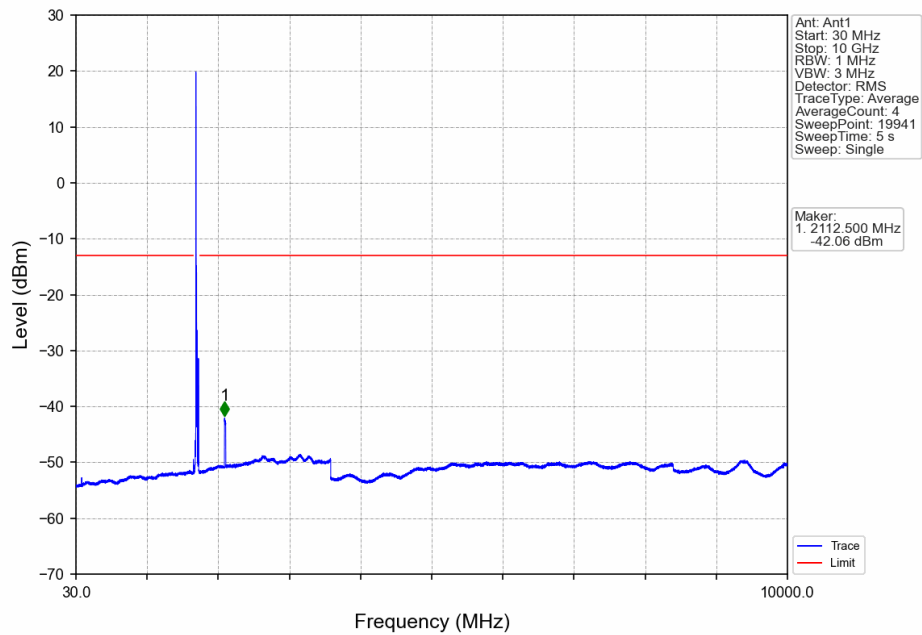


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	0	/	/	/	/	/
1755	1756	0.2	0	1	1755.024	-40.98	-13	Pass
1756	1775	1	6.99	2	1756.544	-37.41	-13	Pass

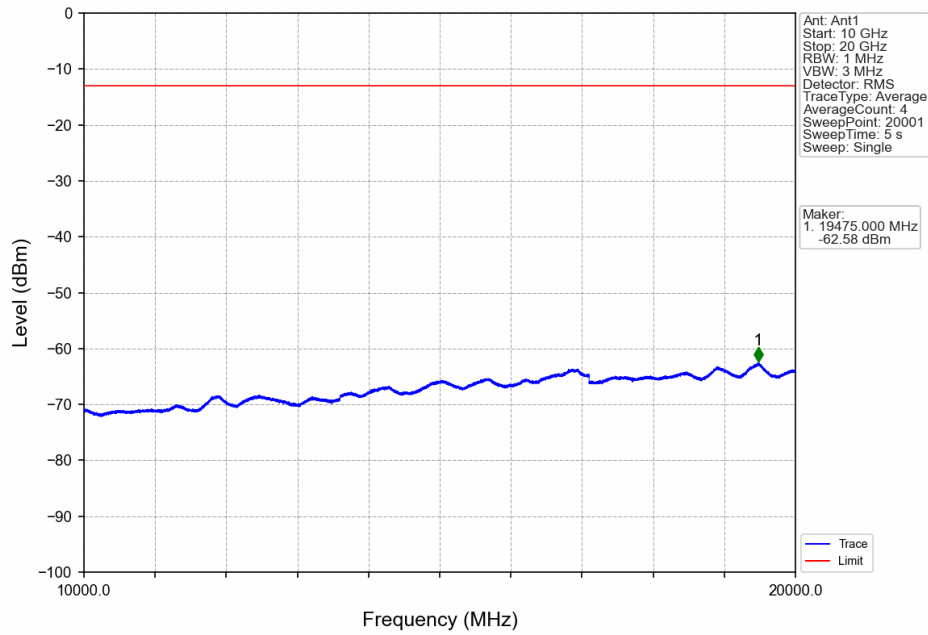
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



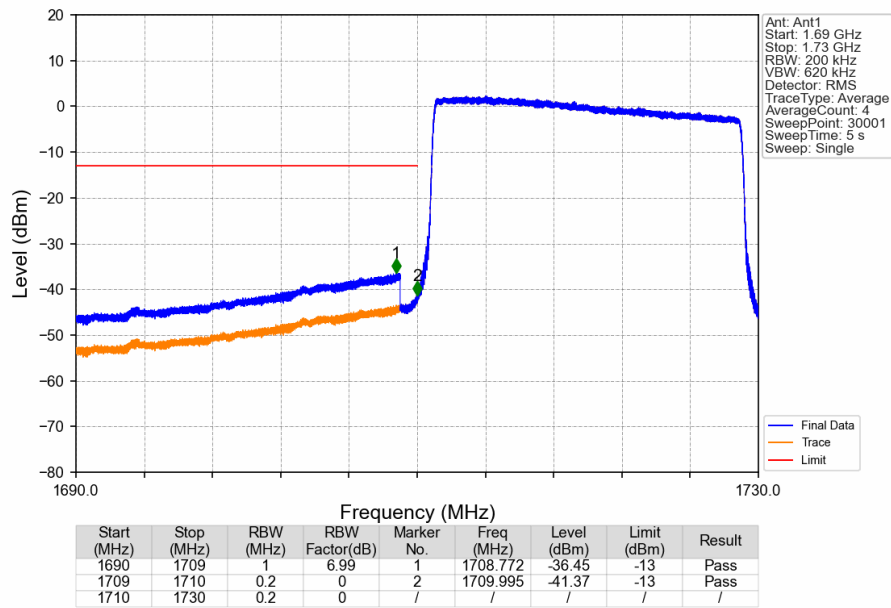
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



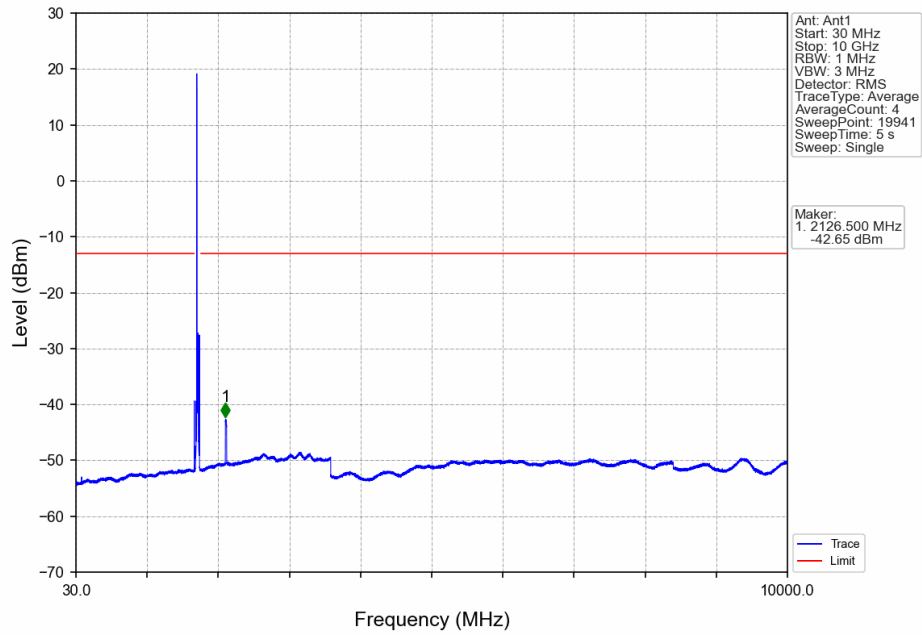
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



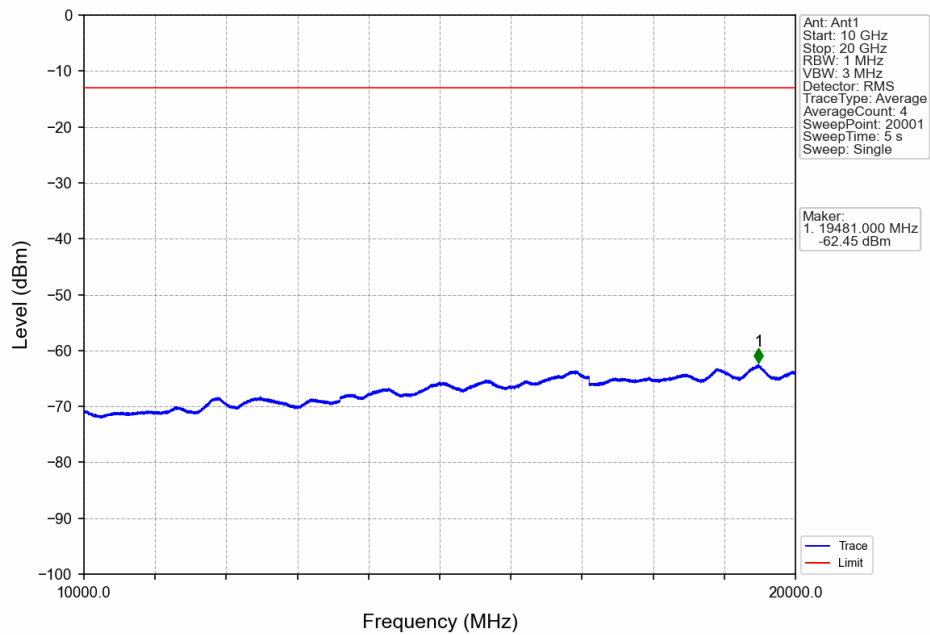
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



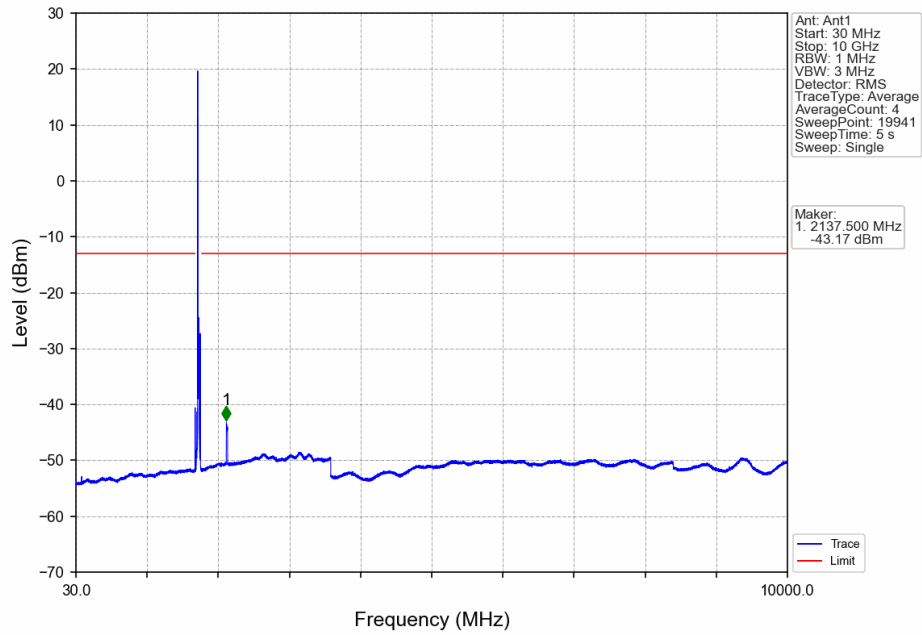
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



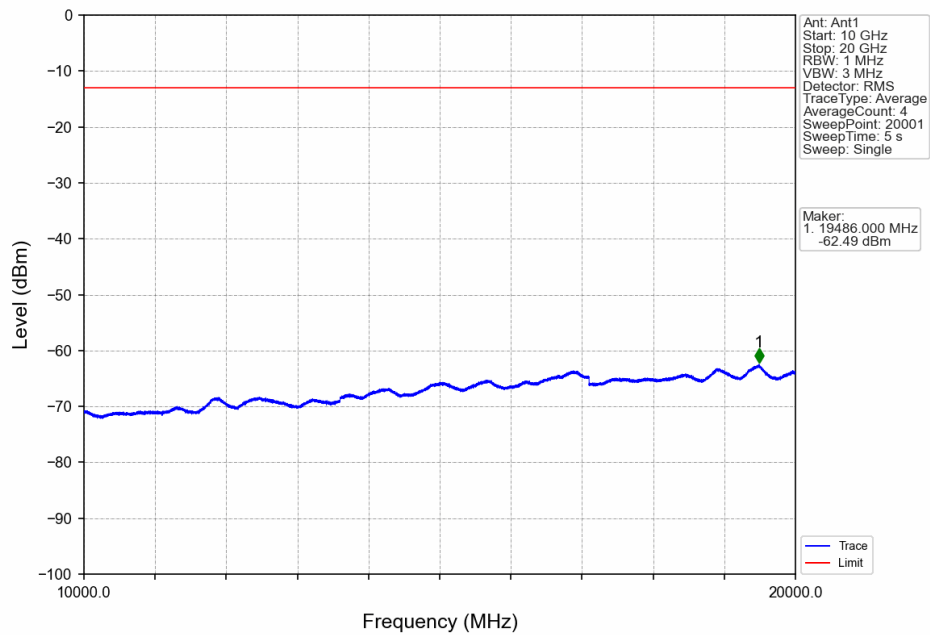
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



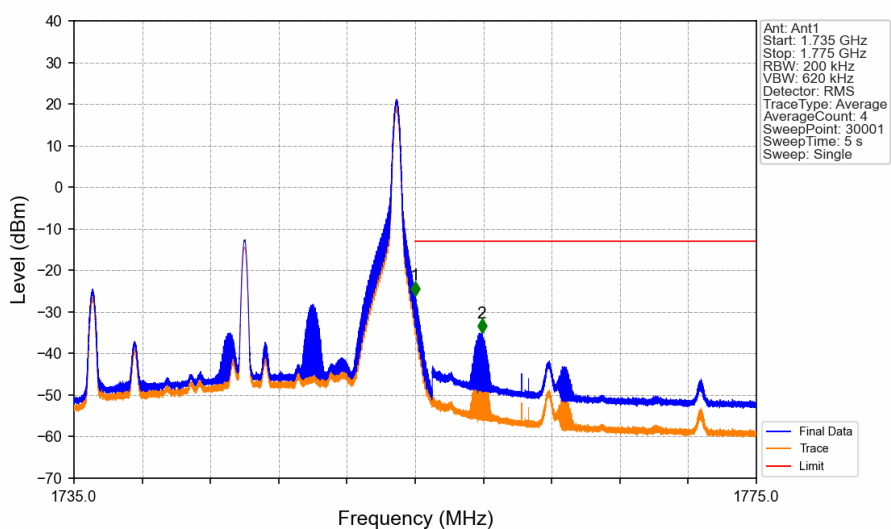
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV

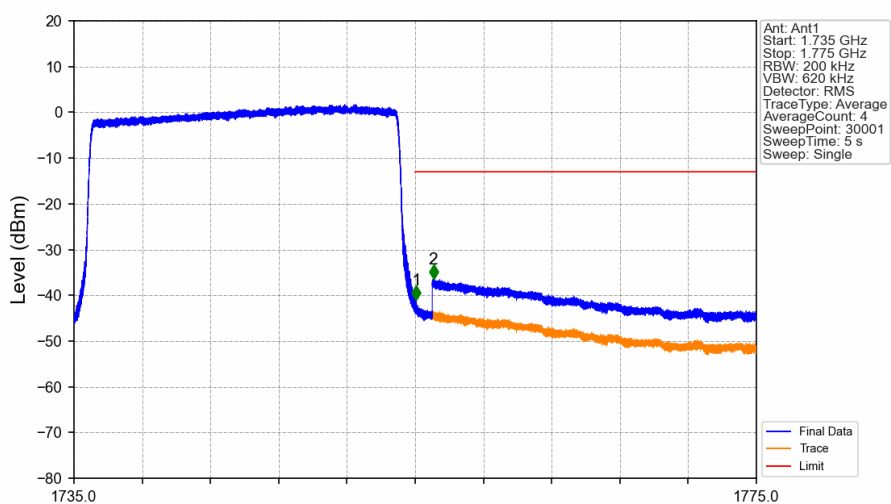


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.3	1.76	/	/	/	/	/
1755	1756	0.3	1.76	1	1755.003	-26.06	-13	Pass
1756	1775	1	6.99	2	1758.903	-35.12	-13	Pass

Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	0	/	/	/	/	/
1755	1756	0.2	0	1	1755.065	-41.05	-13	Pass
1756	1775	1	6.99	2	1756.064	-36.48	-13	Pass

7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.1291	0.0085	ppm	1M11G7D	24E	21.11
4	1.4	1710.7	1754.3	0.1062	0.0070	ppm	1M11W7D	24E	20.26
4	3	1711.5	1753.5	0.1318	0.0099	ppm	2M72G7D	24E	21.20
4	3	1711.5	1753.5	0.1219	0.0073	ppm	2M72W7D	24E	20.86
4	5	1712.5	1752.5	0.1271	0.0067	ppm	4M55G7D	24E	21.04
4	5	1712.5	1752.5	0.1094	0.0100	ppm	4M56W7D	24E	20.39
4	10	1715	1750	0.1309	0.0063	ppm	9M04G7D	24E	21.17
4	10	1715	1750	0.1197	0.0063	ppm	9M05W7D	24E	20.78
4	15	1717.5	1747.5	0.1265	0.0054	ppm	13M6G7D	24E	21.02
4	15	1717.5	1747.5	0.1161	0.0048	ppm	13M6W7D	24E	20.65
4	20	1720	1745	0.1318	0.0045	ppm	18M1G7D	24E	21.20
4	20	1720	1745	0.1199	0.0048	ppm	18M1W7D	24E	20.79

7.2 Form731_EIRP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.2576	0.0085	ppm	1M11G7D	24E	24.11
4	1.4	1710.7	1754.3	0.2118	0.0070	ppm	1M11W7D	24E	23.26
4	3	1711.5	1753.5	0.2630	0.0099	ppm	2M72G7D	24E	24.20
4	3	1711.5	1753.5	0.2432	0.0073	ppm	2M72W7D	24E	23.86
4	5	1712.5	1752.5	0.2535	0.0067	ppm	4M55G7D	24E	24.04
4	5	1712.5	1752.5	0.2183	0.0100	ppm	4M56W7D	24E	23.39
4	10	1715	1750	0.2612	0.0063	ppm	9M04G7D	24E	24.17
4	10	1715	1750	0.2388	0.0063	ppm	9M05W7D	24E	23.78
4	15	1717.5	1747.5	0.2523	0.0054	ppm	13M6G7D	24E	24.02
4	15	1717.5	1747.5	0.2317	0.0048	ppm	13M6W7D	24E	23.65
4	20	1720	1745	0.2630	0.0045	ppm	18M1G7D	24E	24.20
4	20	1720	1745	0.2393	0.0048	ppm	18M1W7D	24E	23.79