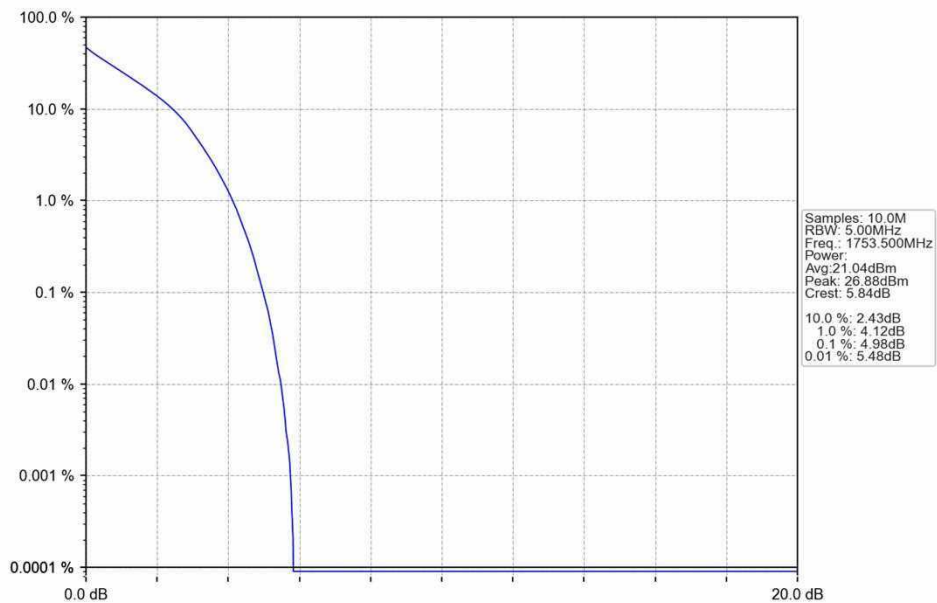


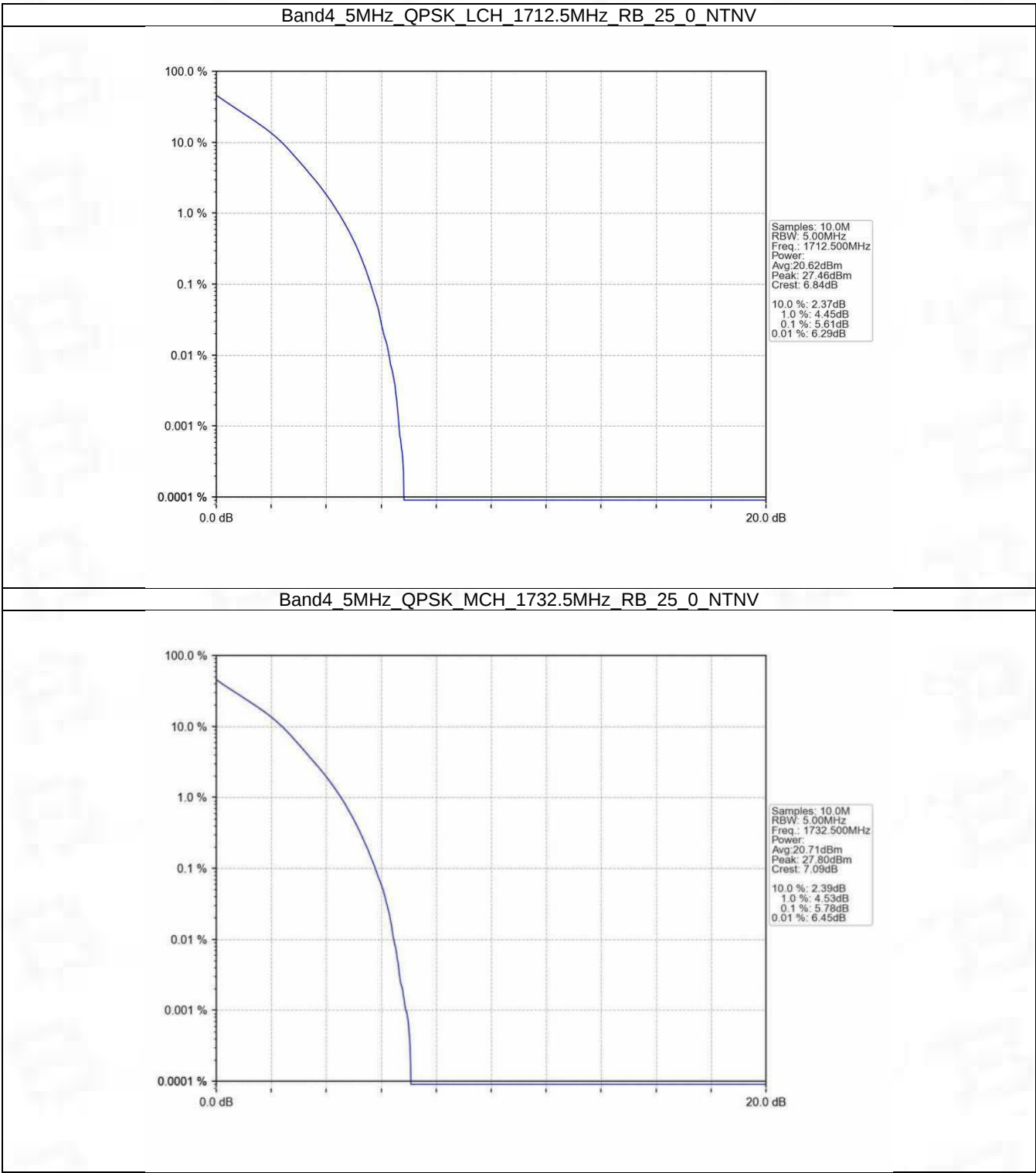
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTV



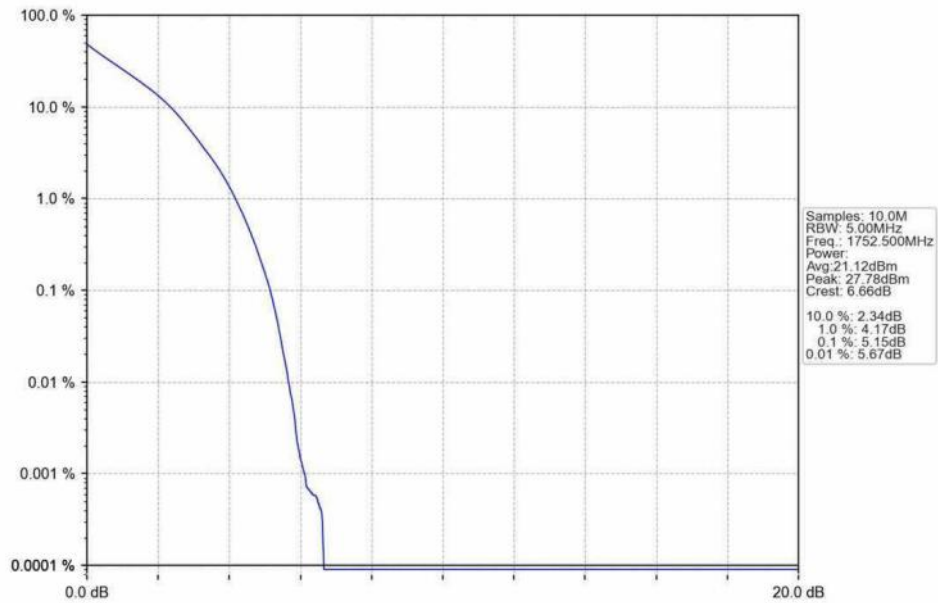
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTV



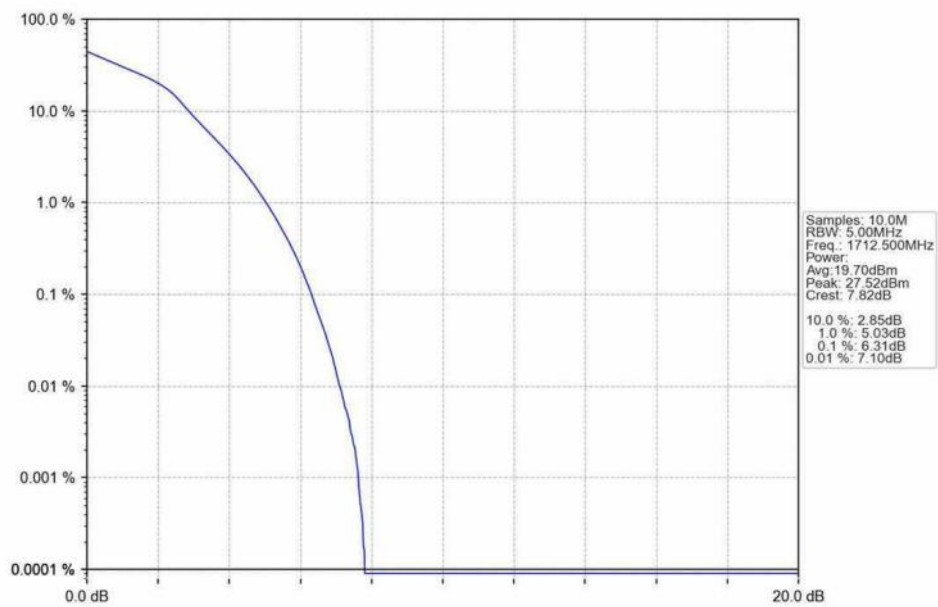
5.2.3 B4_5MHz



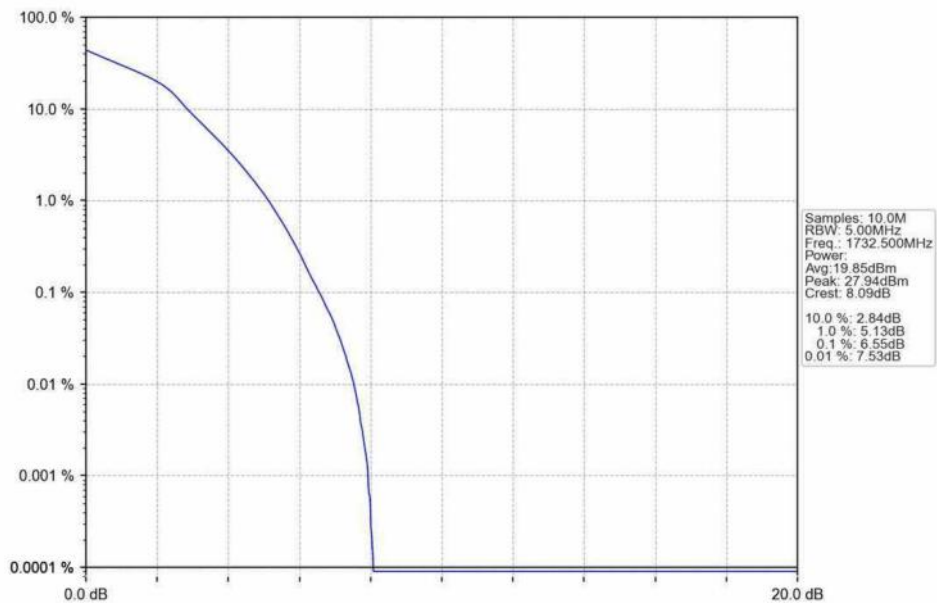
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV



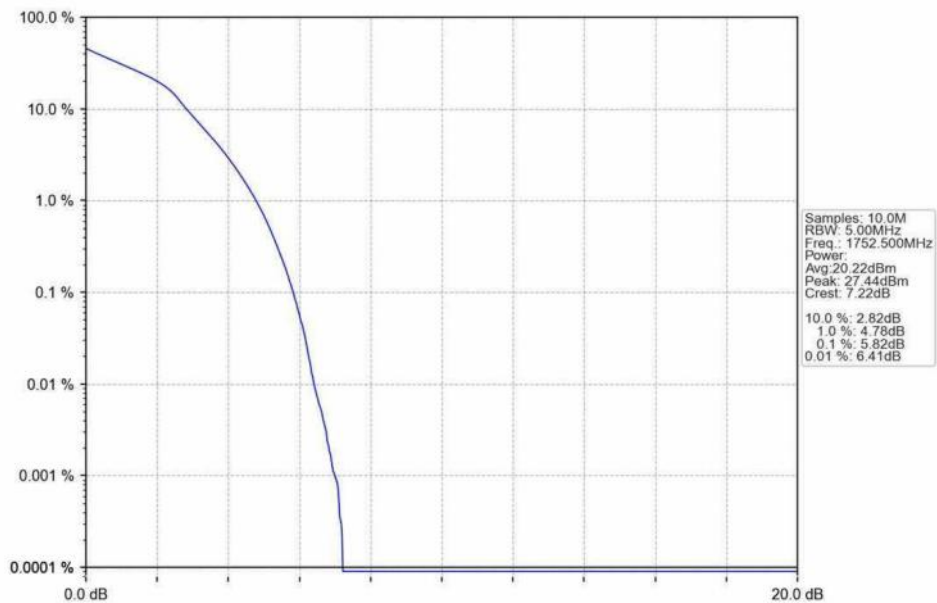
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



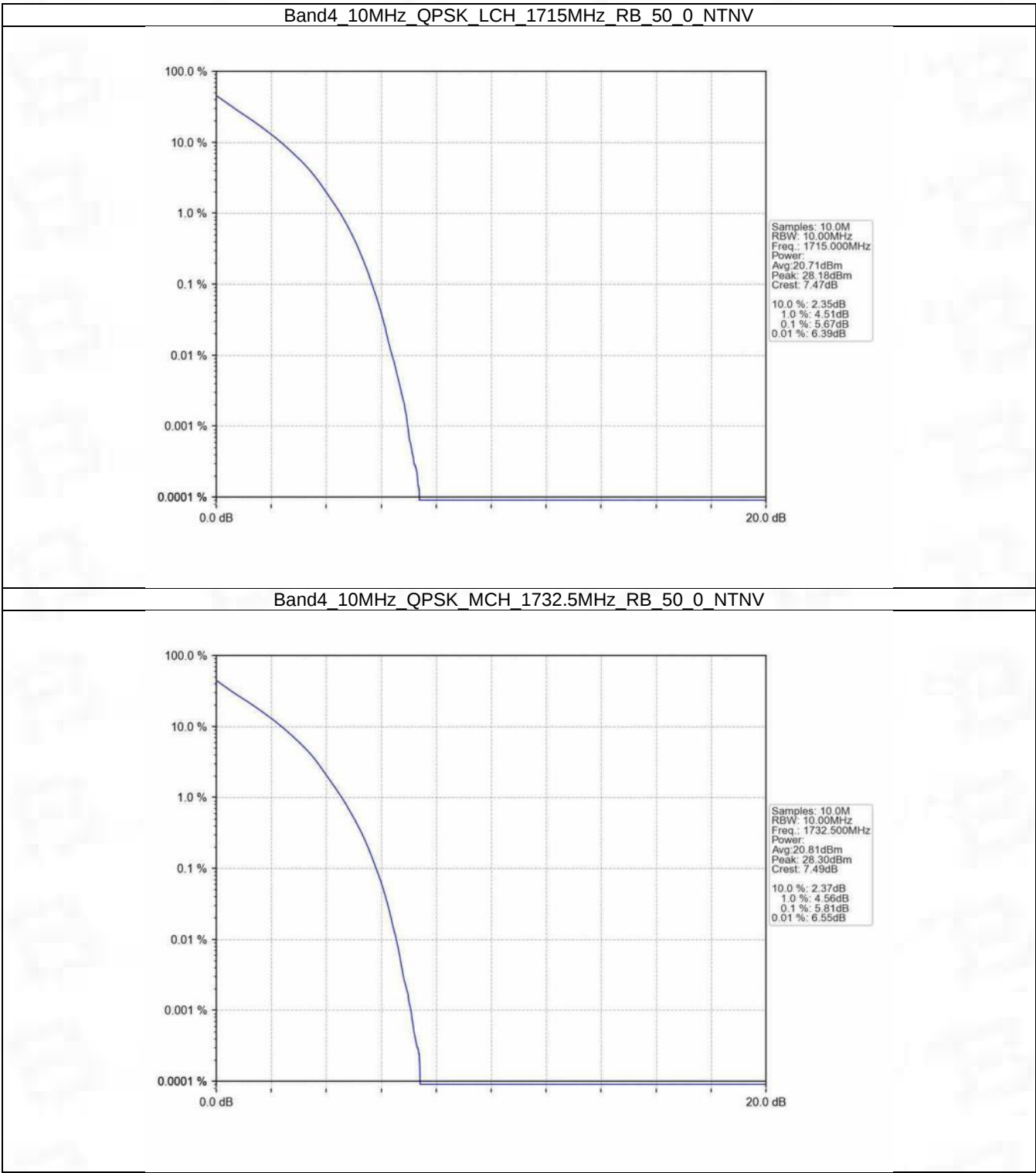
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTV



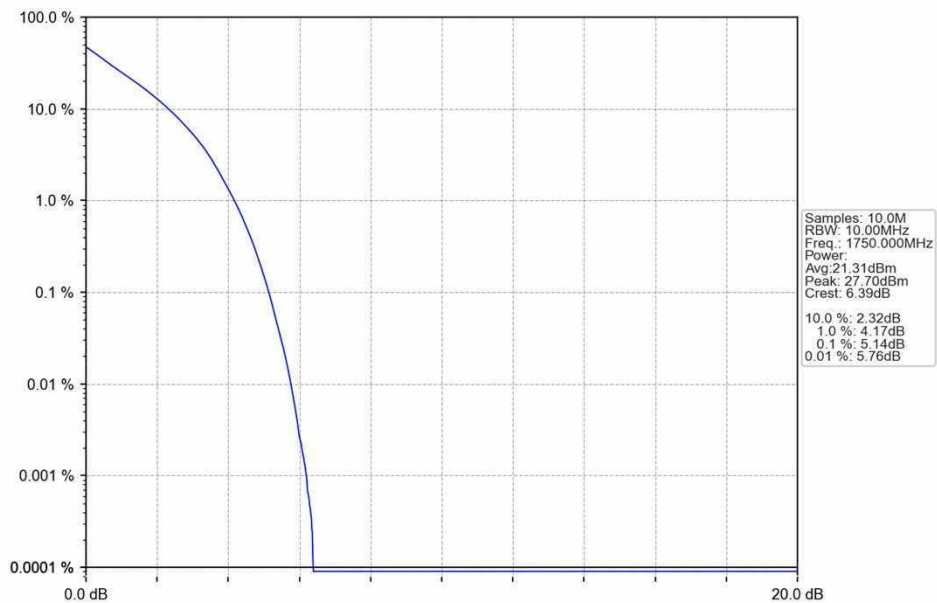
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTV



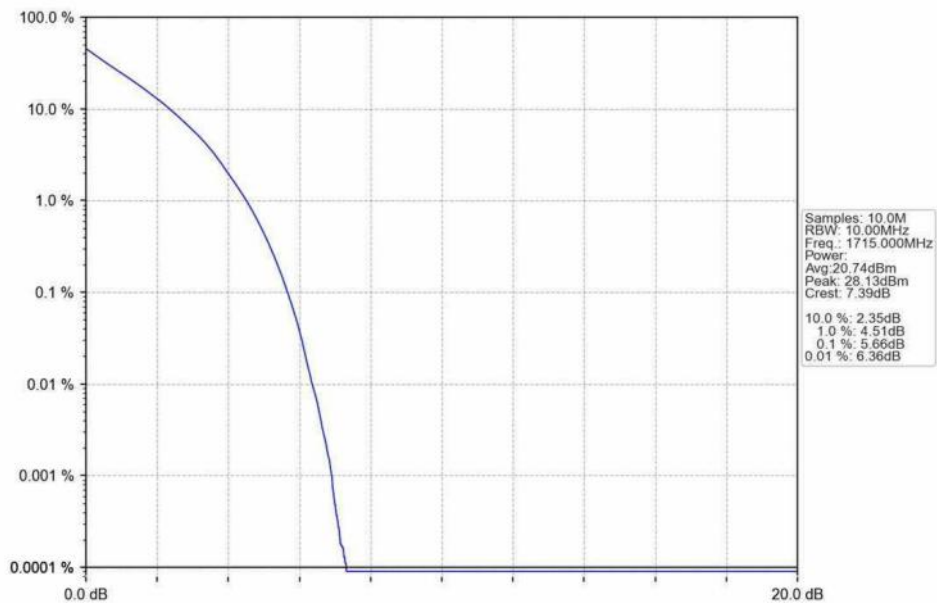
5.2.4 B4_10MHz



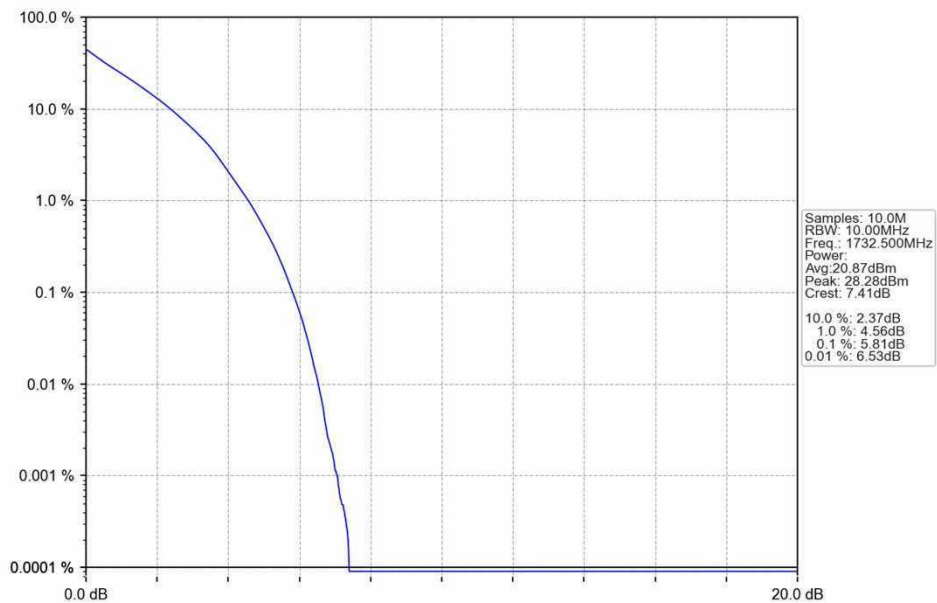
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



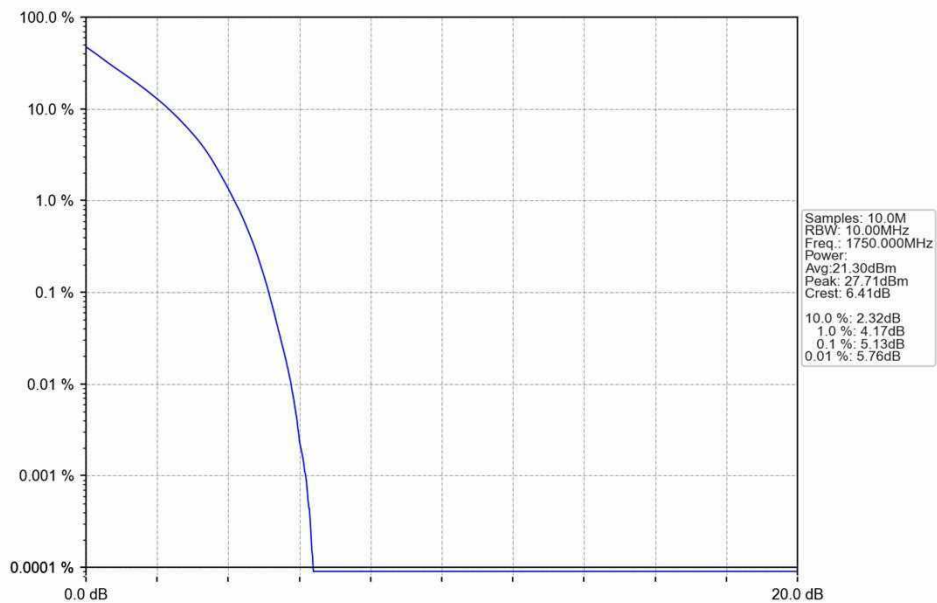
Band4 10MHz 16QAM LCH 1715MHz RB 27 0 NTN



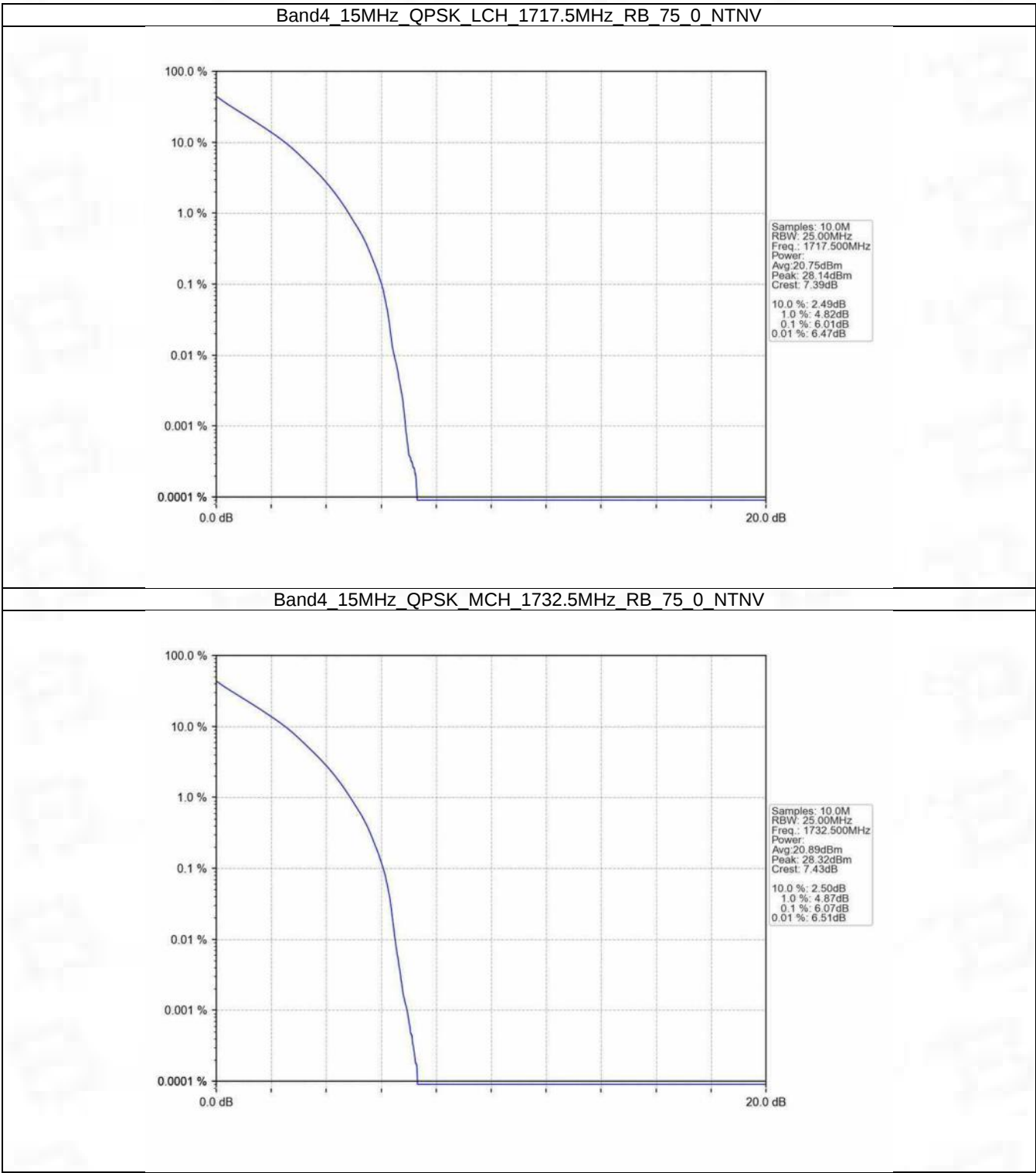
Band4 10MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



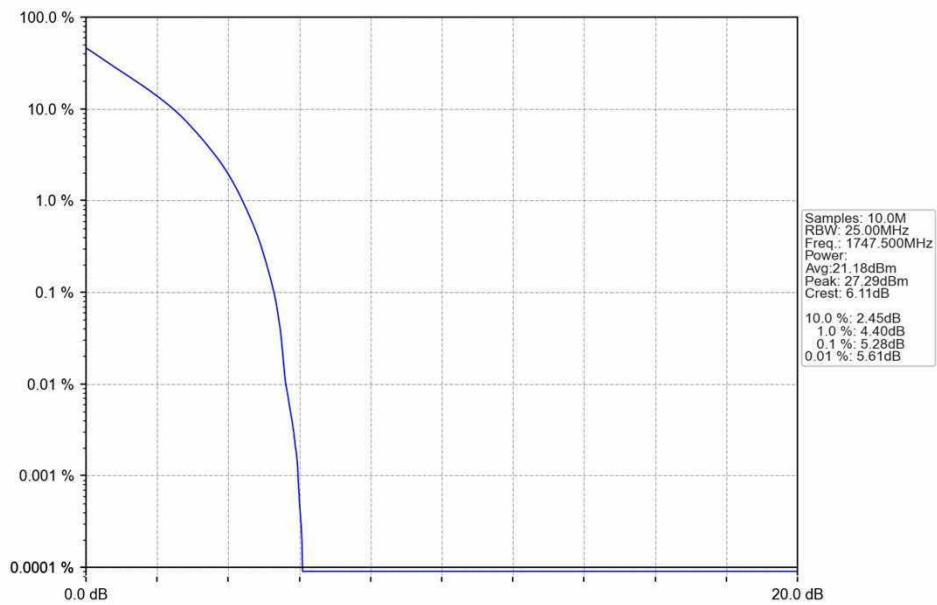
Band4 10MHz 16QAM HCH 1750MHz RB 27 23 NTNV



5.2.5 B4_15MHz



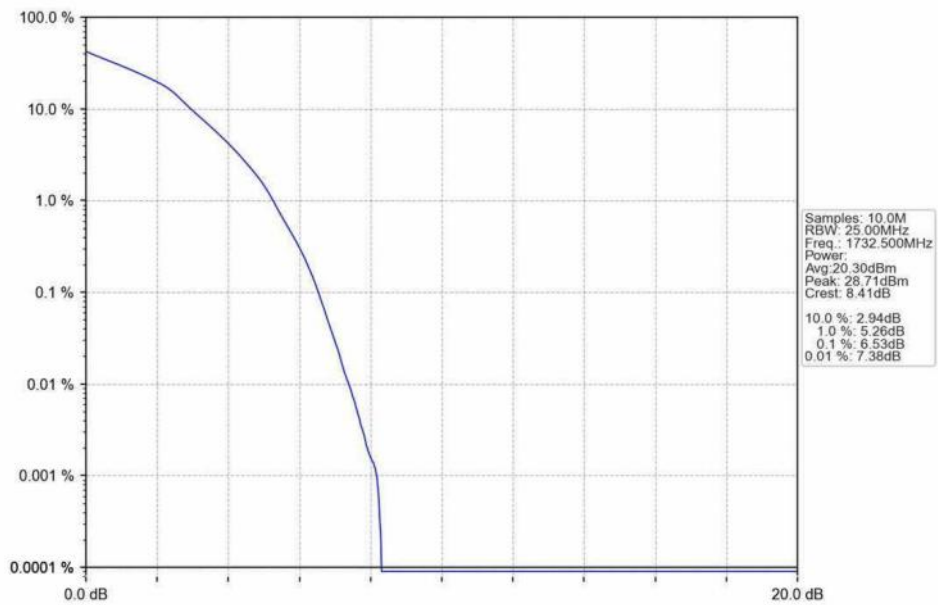
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTV



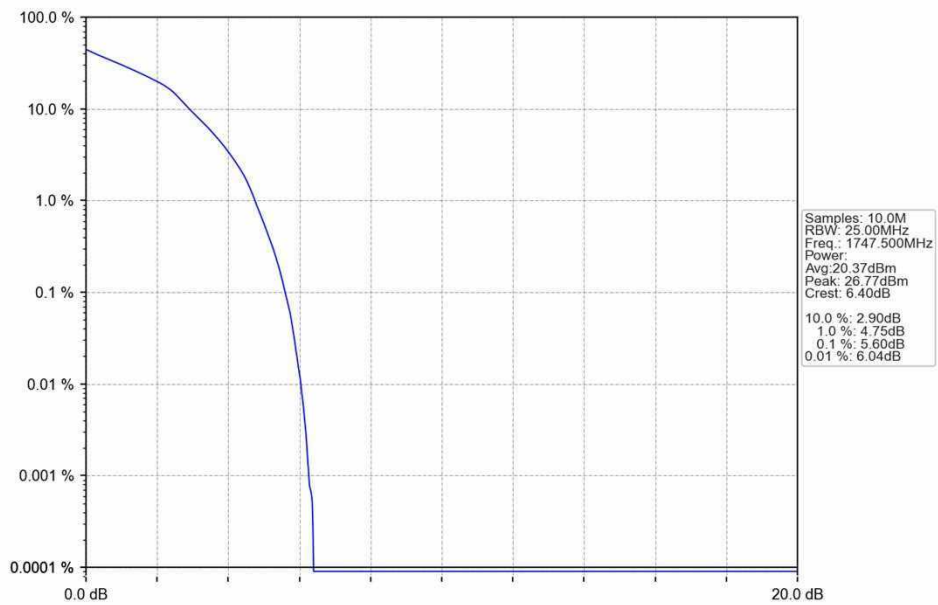
Band4 15MHz 16QAM LCH 1717.5MHz RB 27 0 NTV



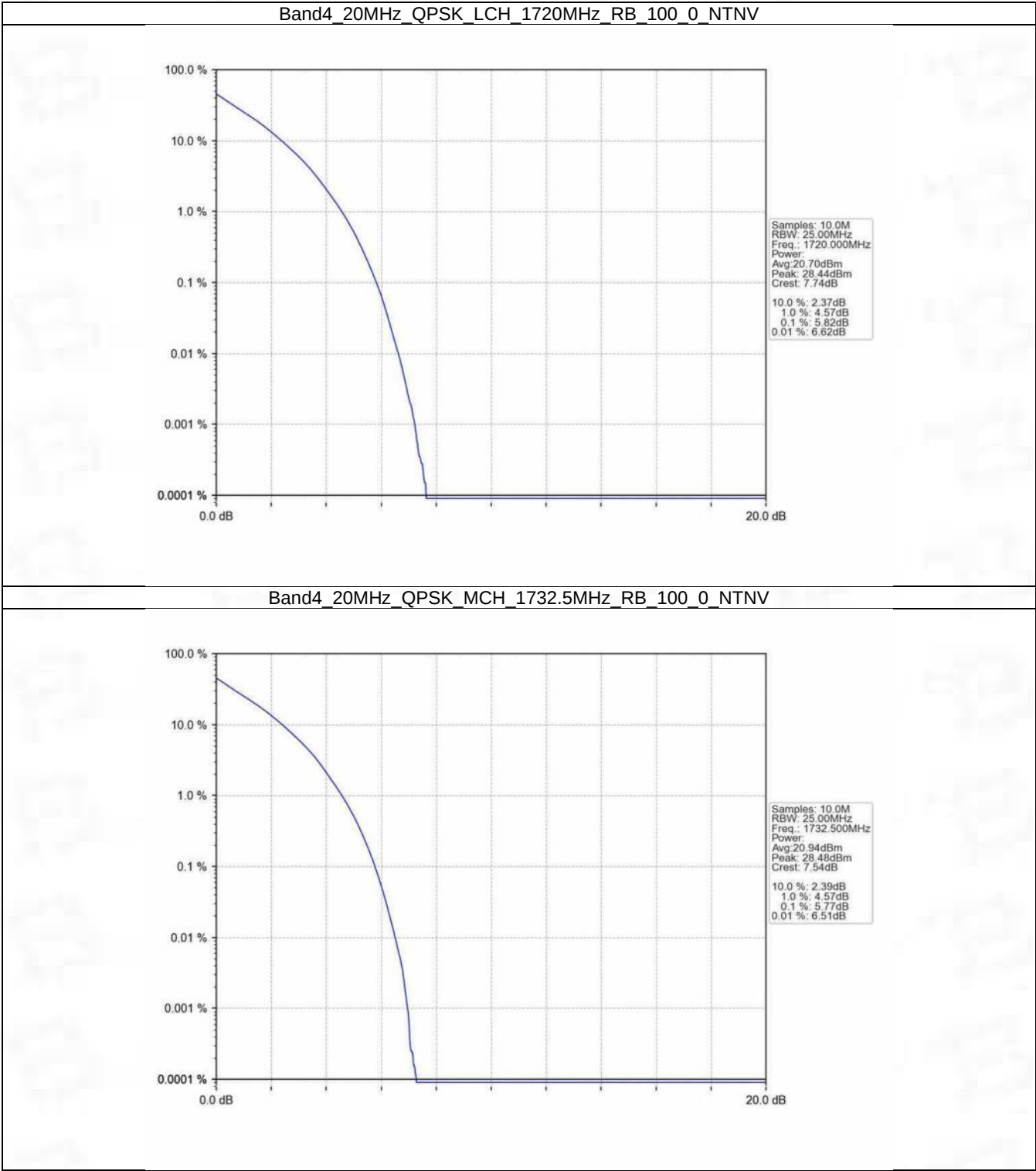
Band4 15MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



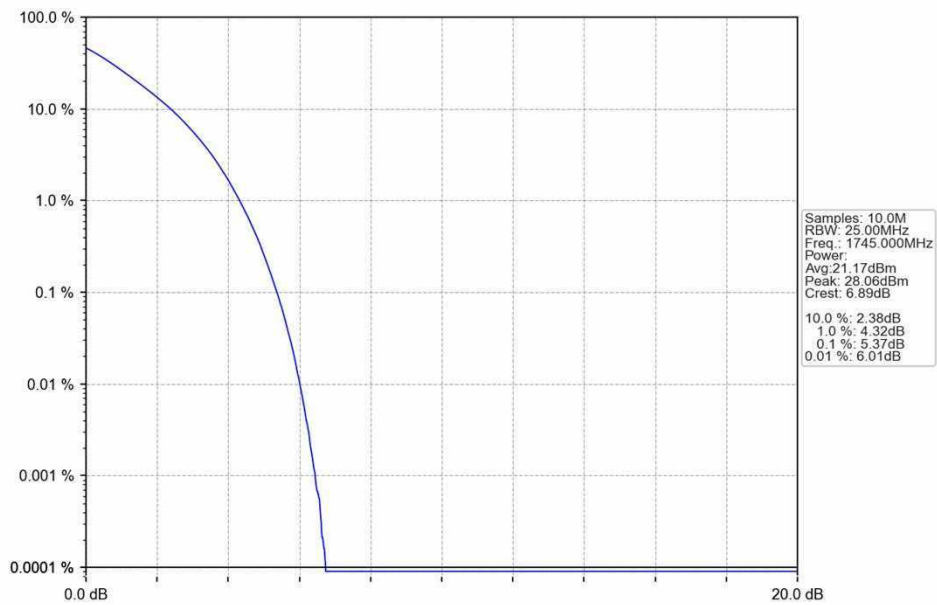
Band4 15MHz 16QAM HCH 1747.5MHz RB 27 48 NTNV



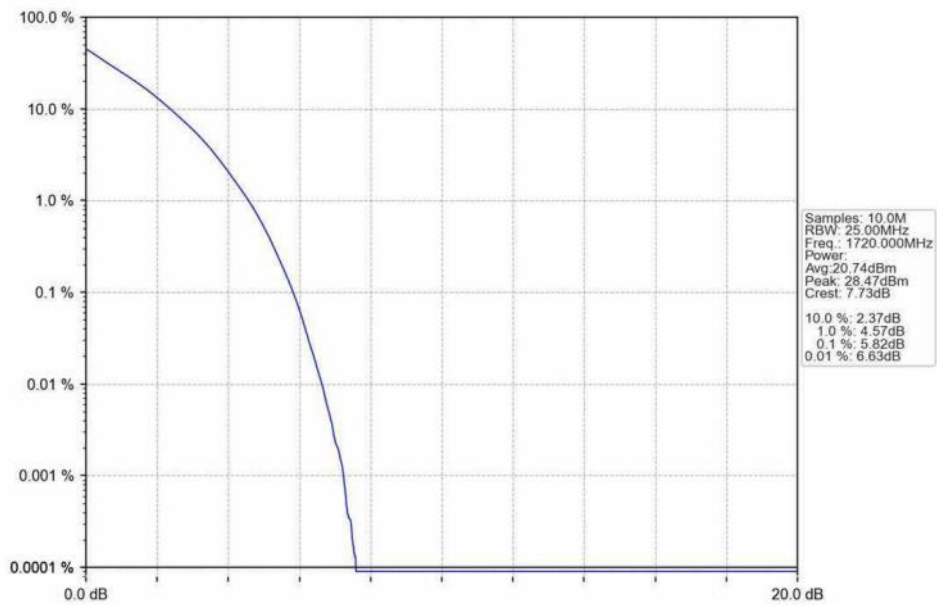
5.2.6 B4_20MHz



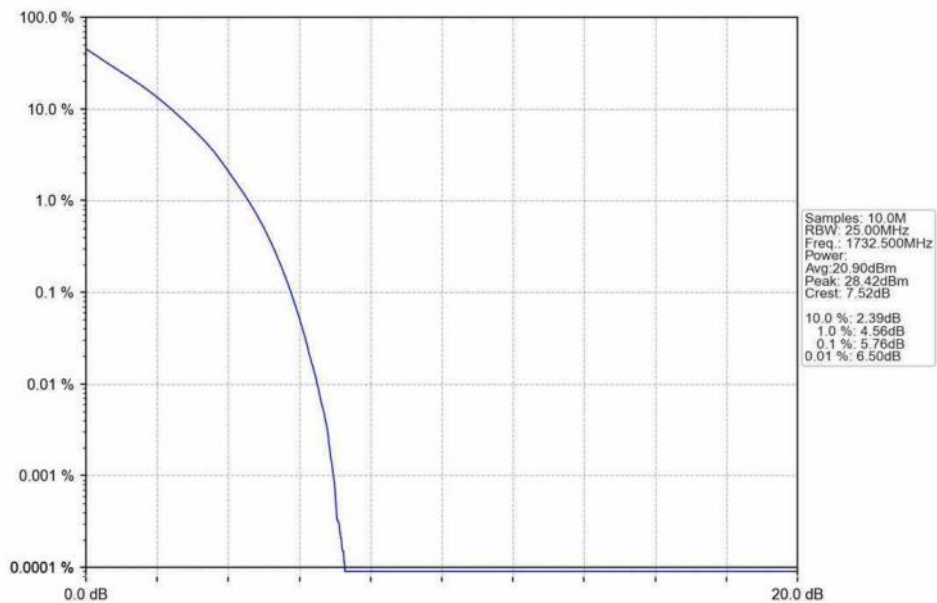
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



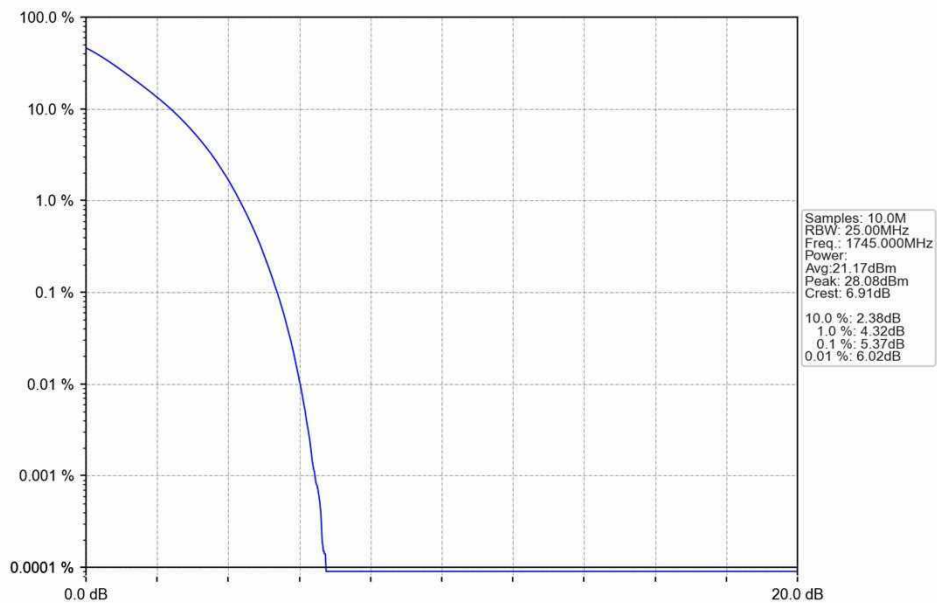
Band4 20MHz 16QAM LCH 1720MHz RB 27 0 NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 27 73 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		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
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			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

6.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTN/V						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		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
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass

6.1.5 B4_15MHz

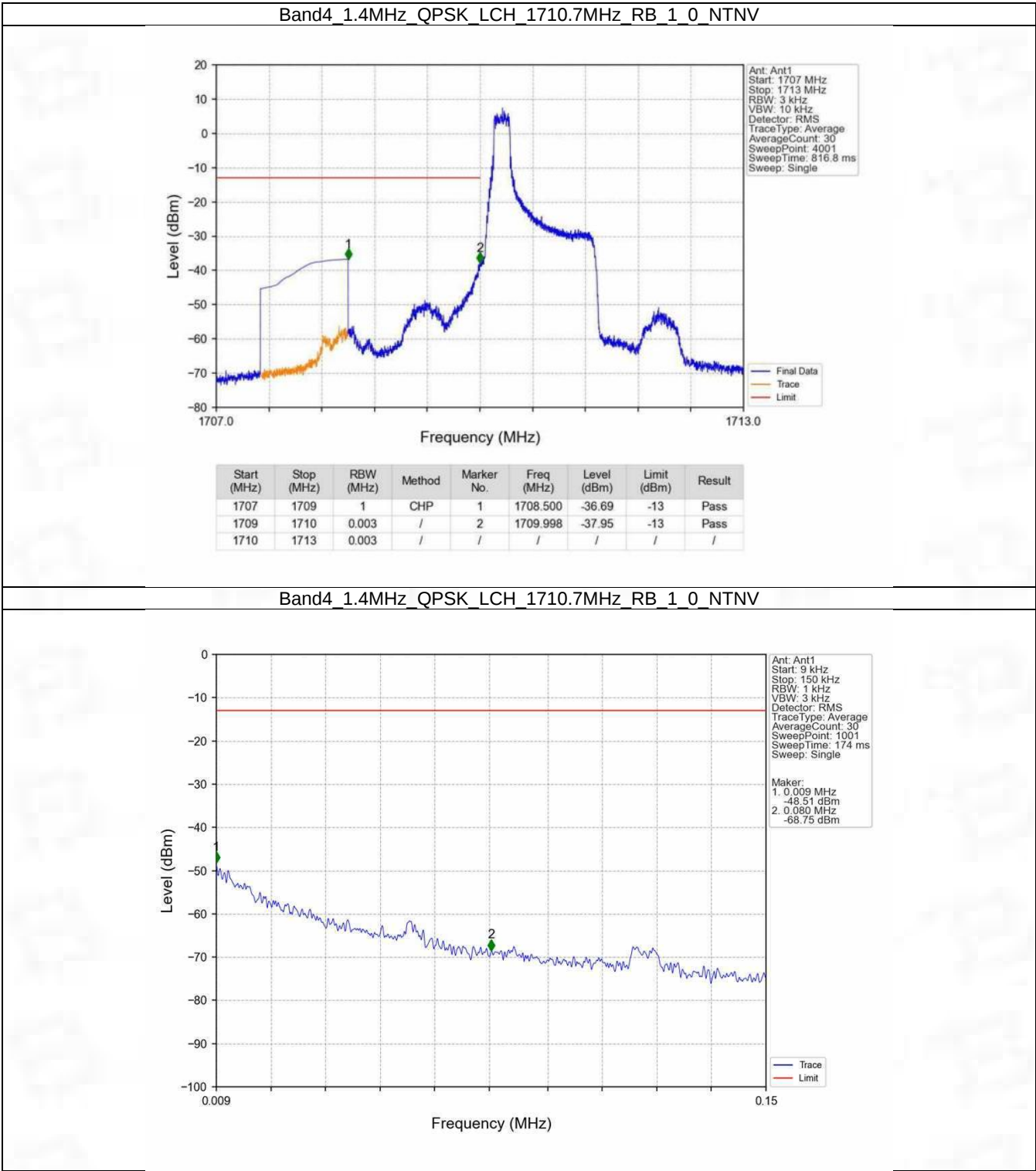
Band: 4 / Bandwidth: 15MHz / NTN/V						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer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

6.1.6 B4_20MHz

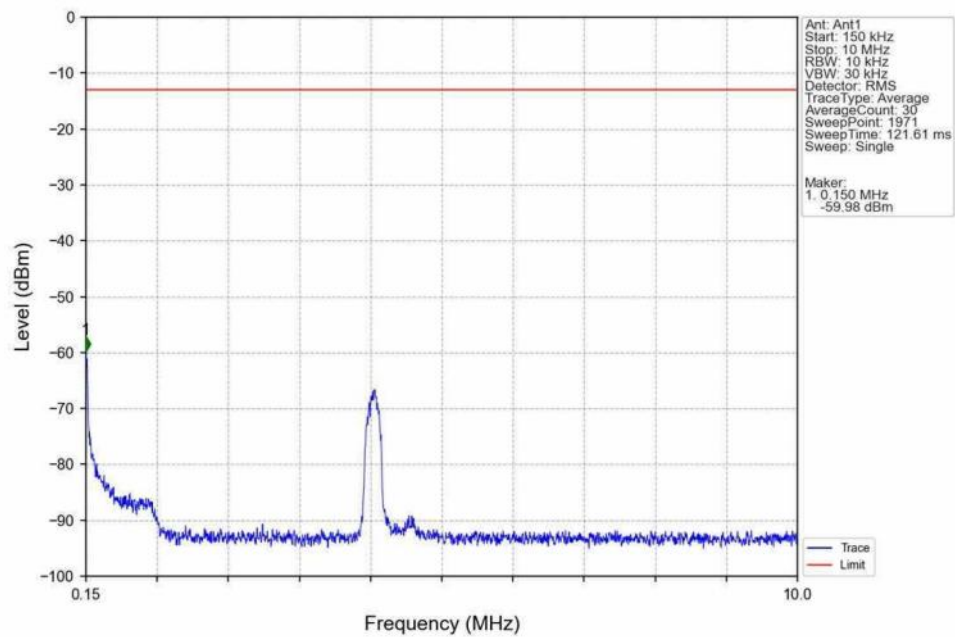
Band: 4 / Bandwidth: 20MHz / NTN/V						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To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

6.2 Test Graph

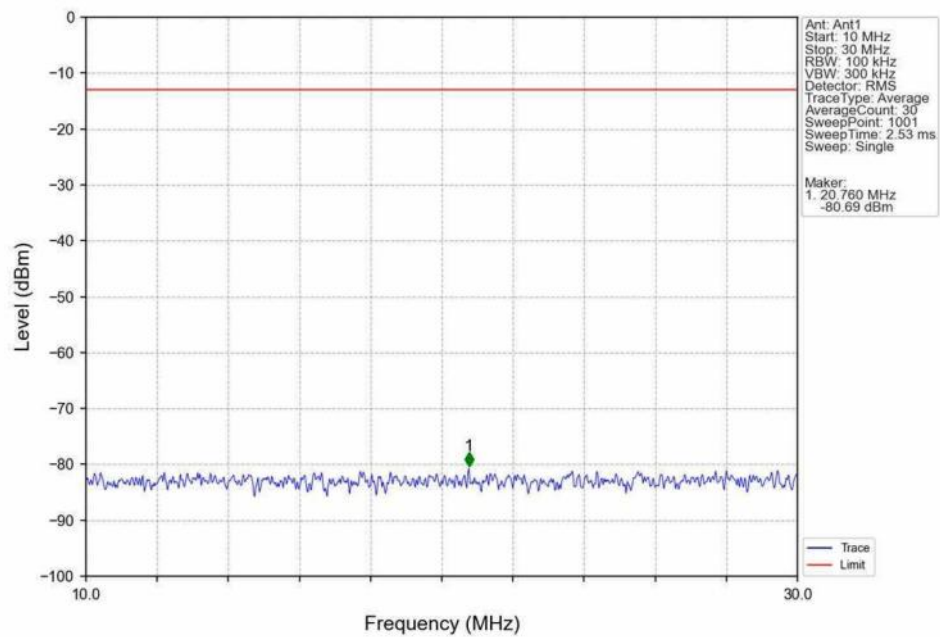
6.2.1 B4_1.4MHz



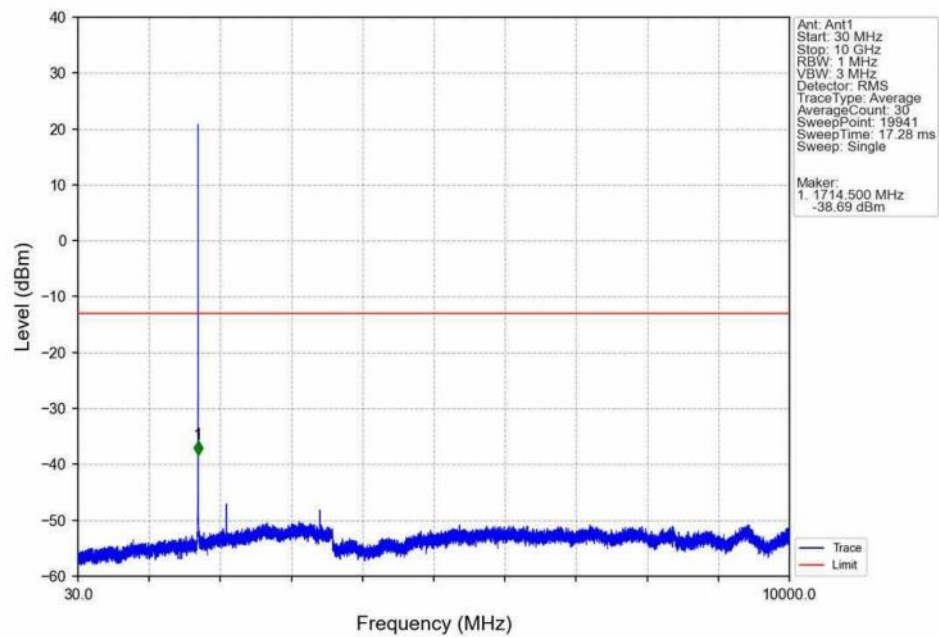
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTNV



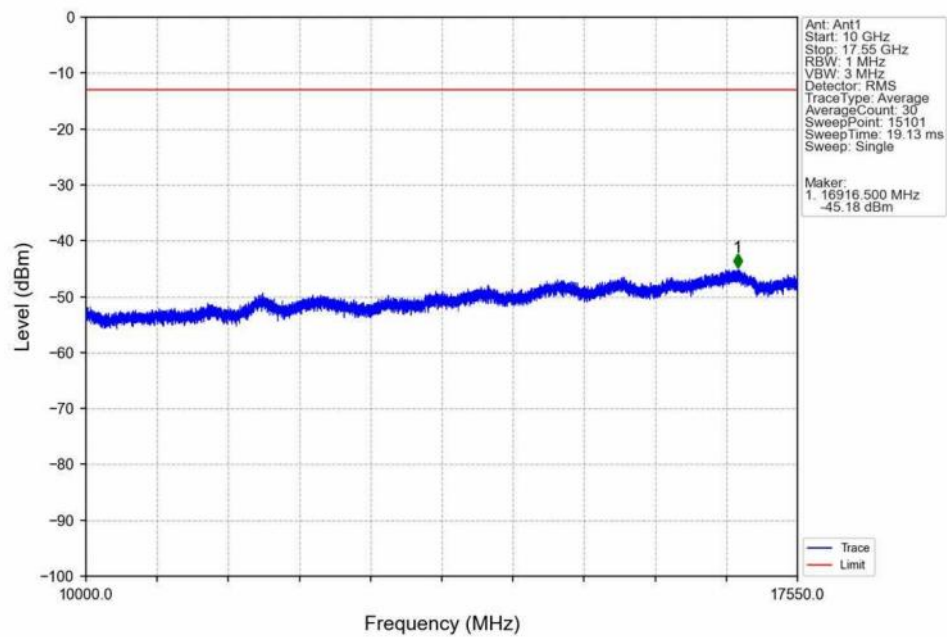
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTNV



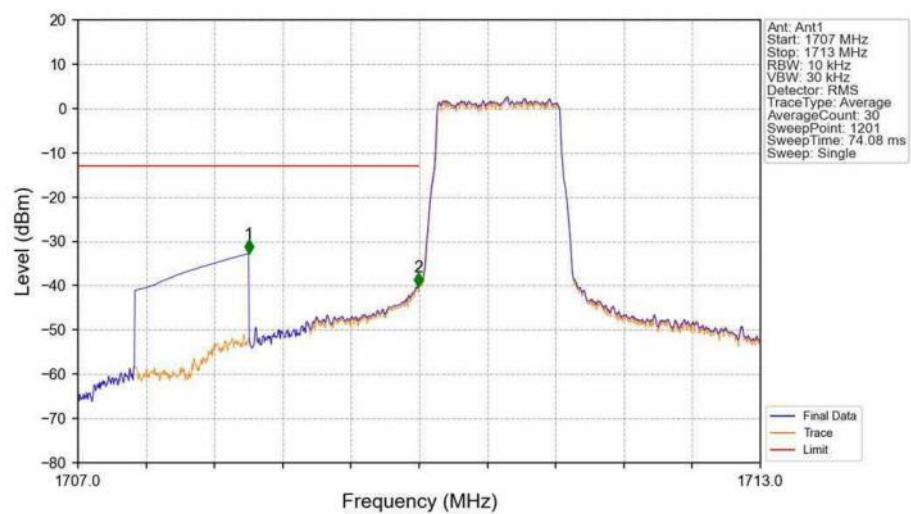
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTNV



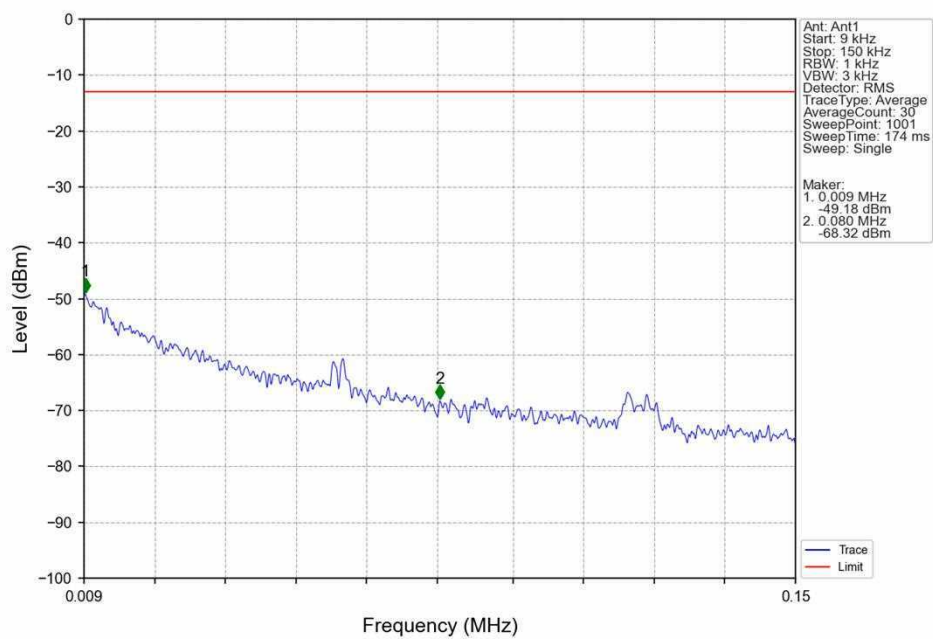
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTNV



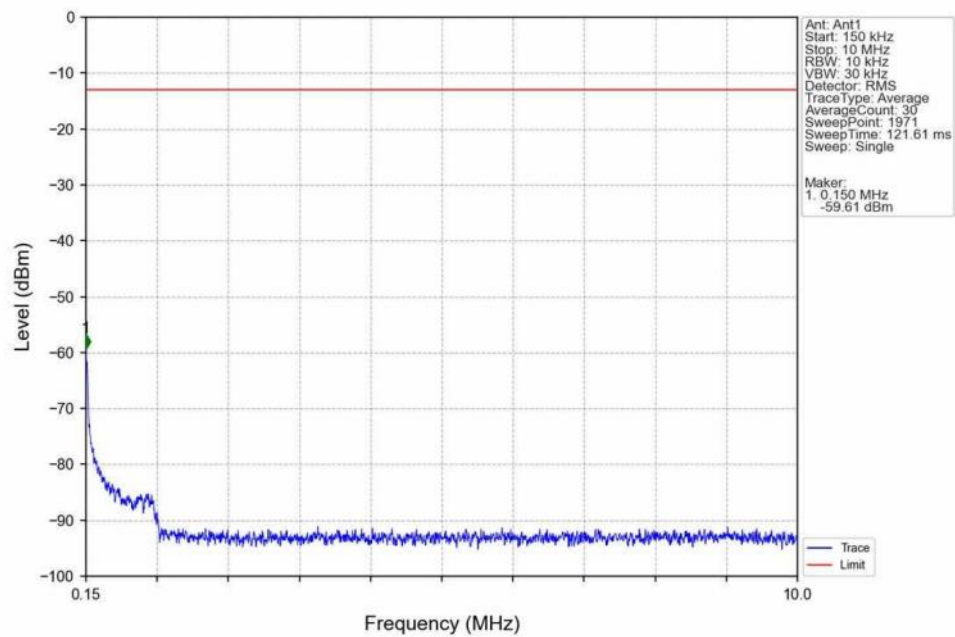
Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTNV



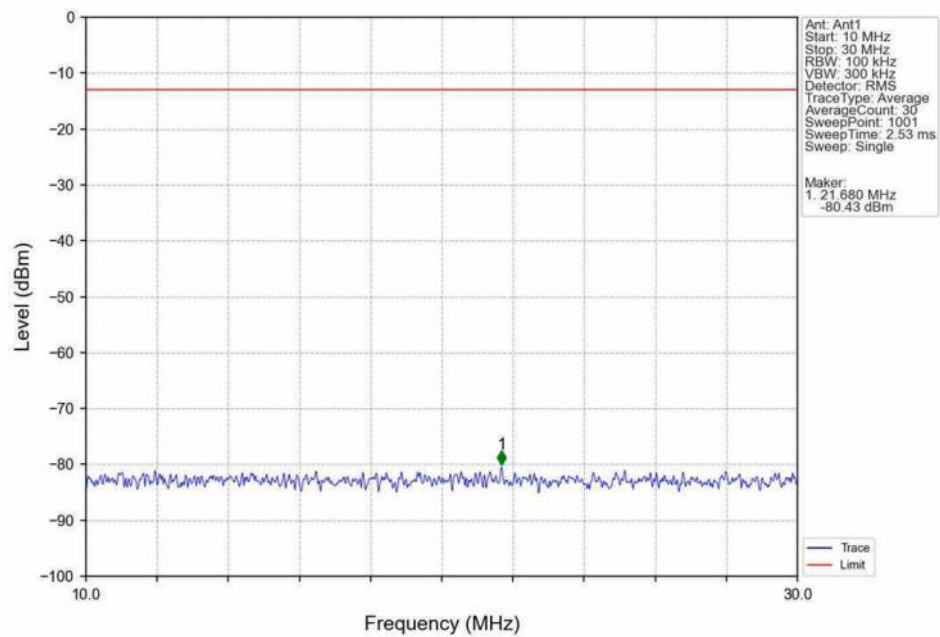
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



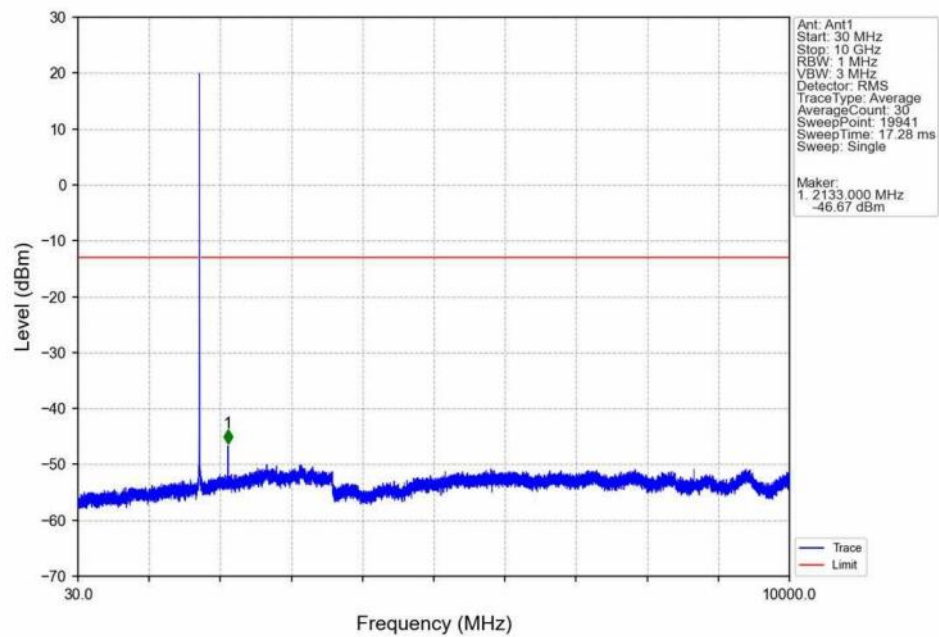
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



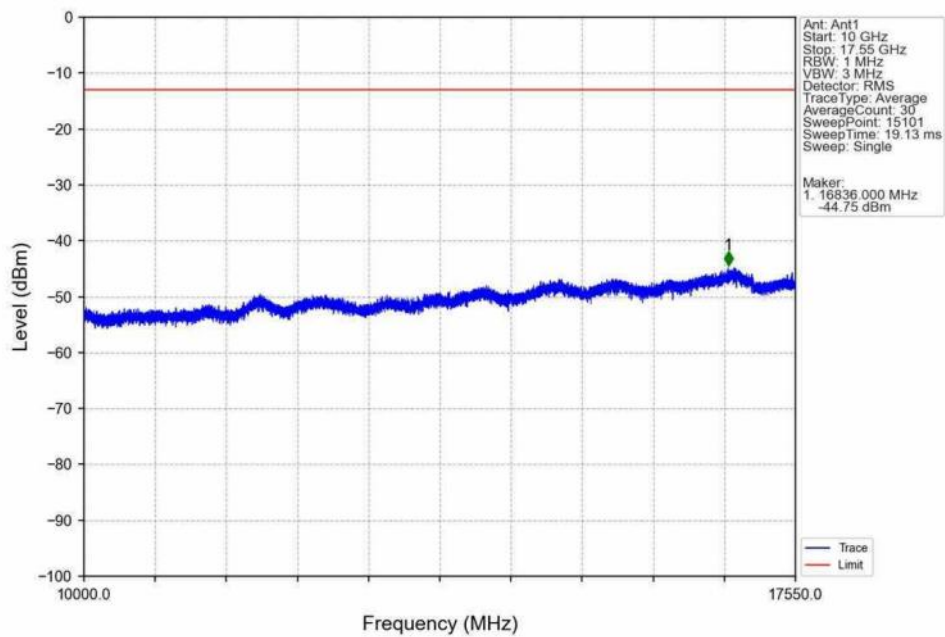
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



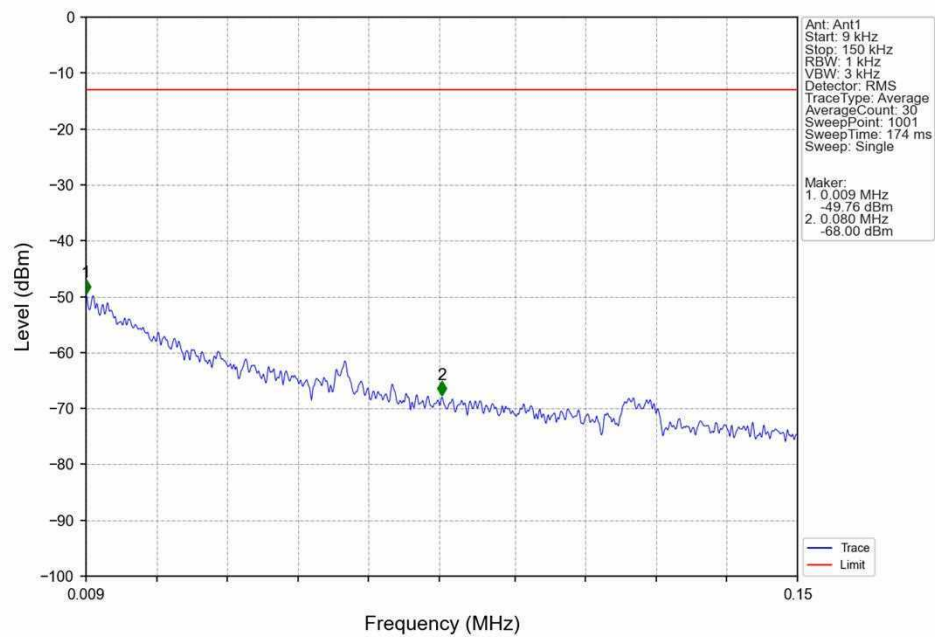
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



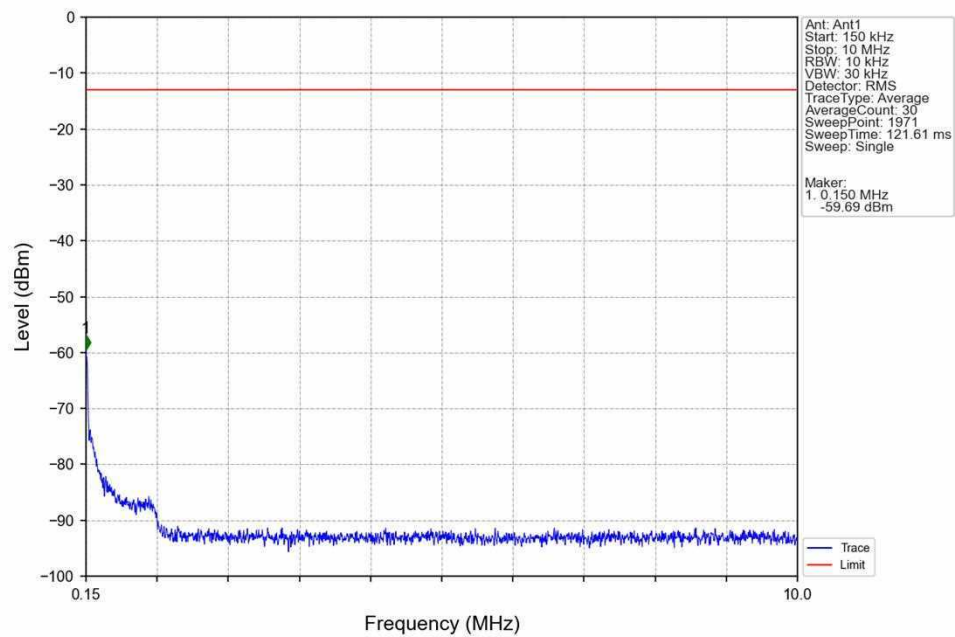
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



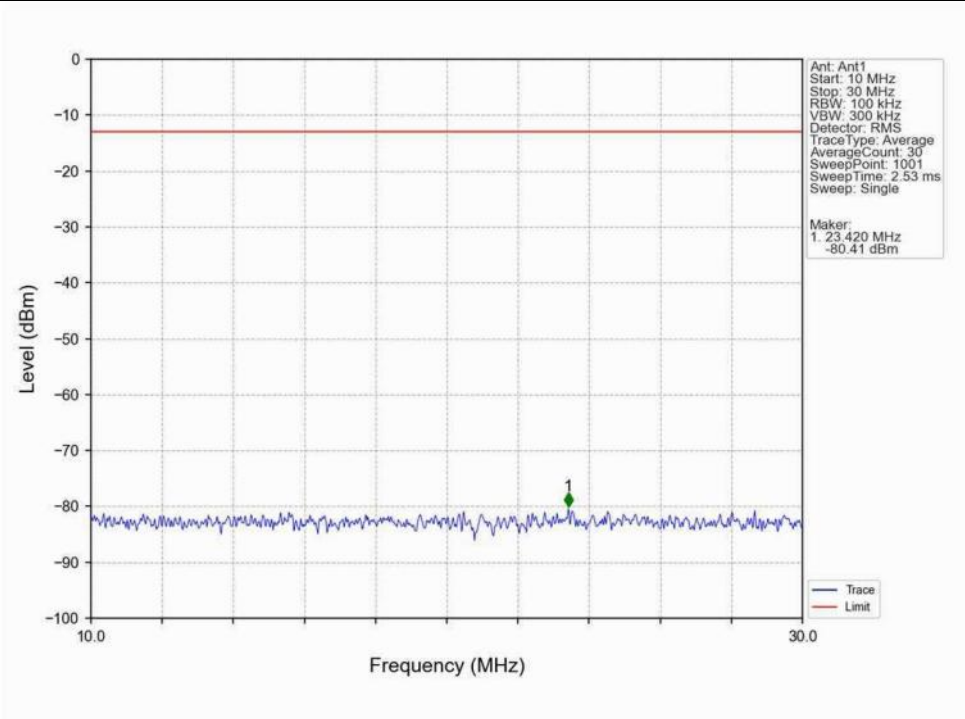
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTNV



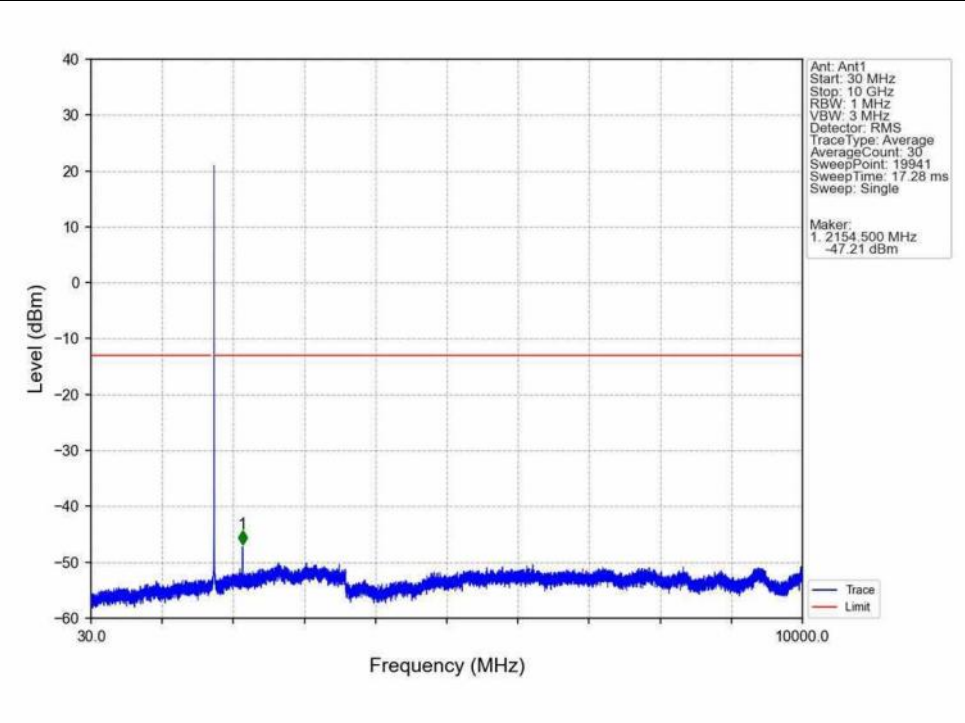
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTNV



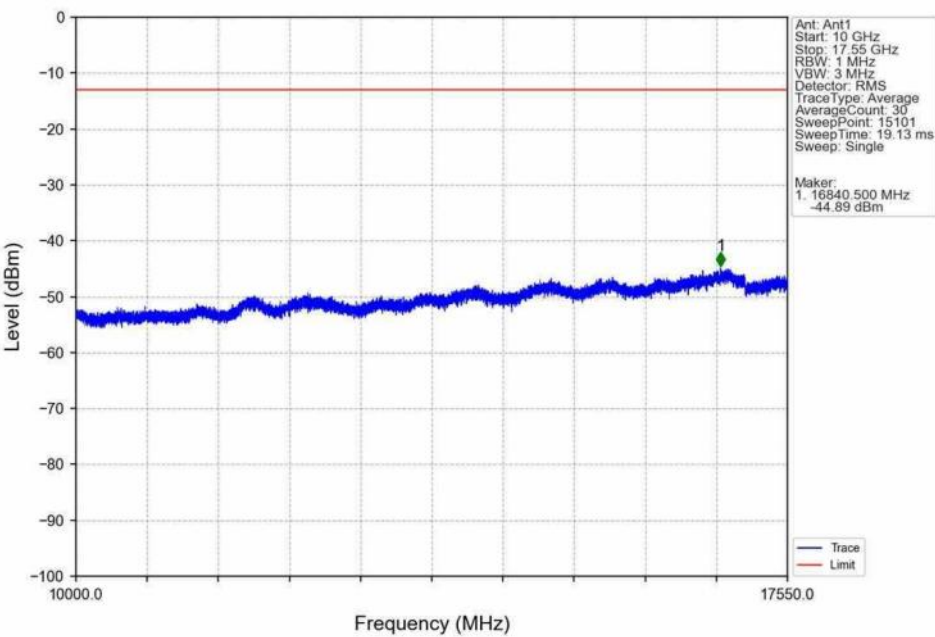
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTNV



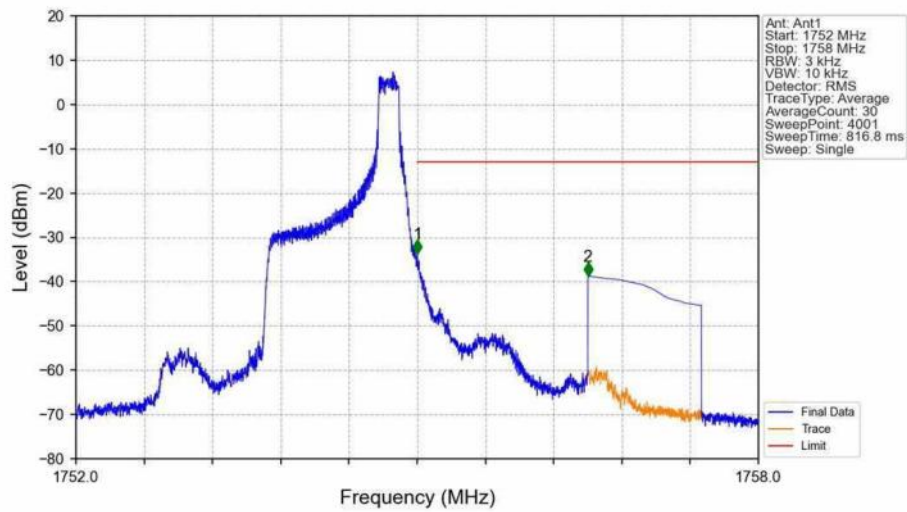
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTNV



Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV

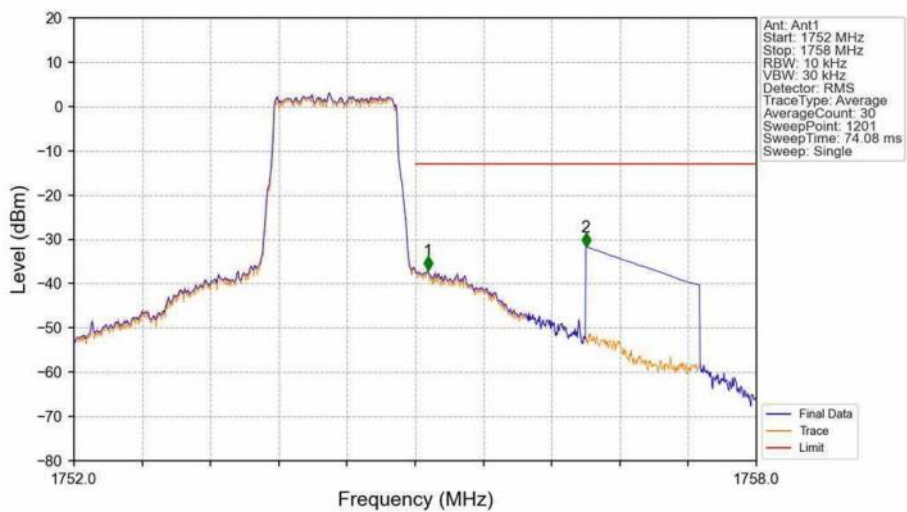


Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTV



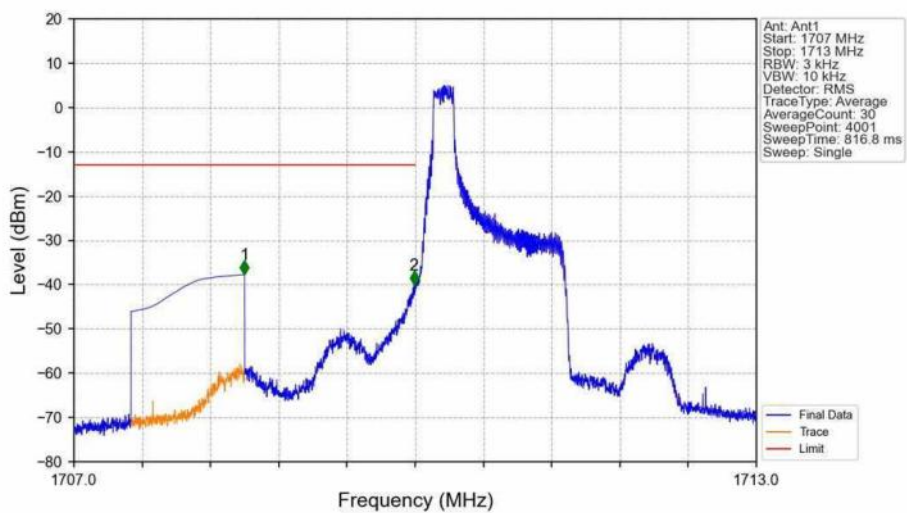
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-33.68	-13	Pass
1756	1758	1	CHP	2	1756.500	-38.71	-13	Pass

Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



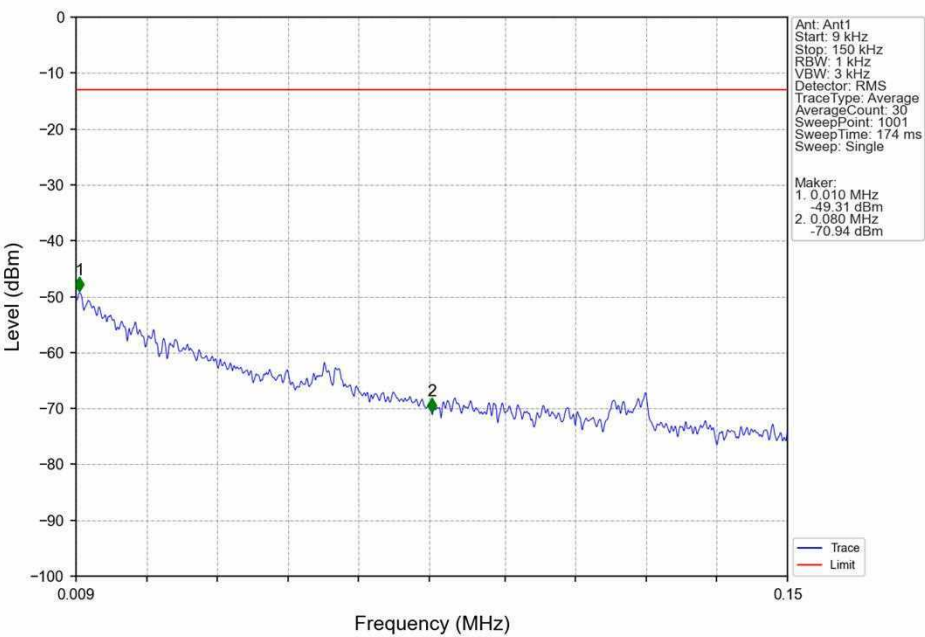
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.110	-37.02	-13	Pass
1756	1758	1	CHP	2	1756.500	-31.63	-13	Pass

Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTV

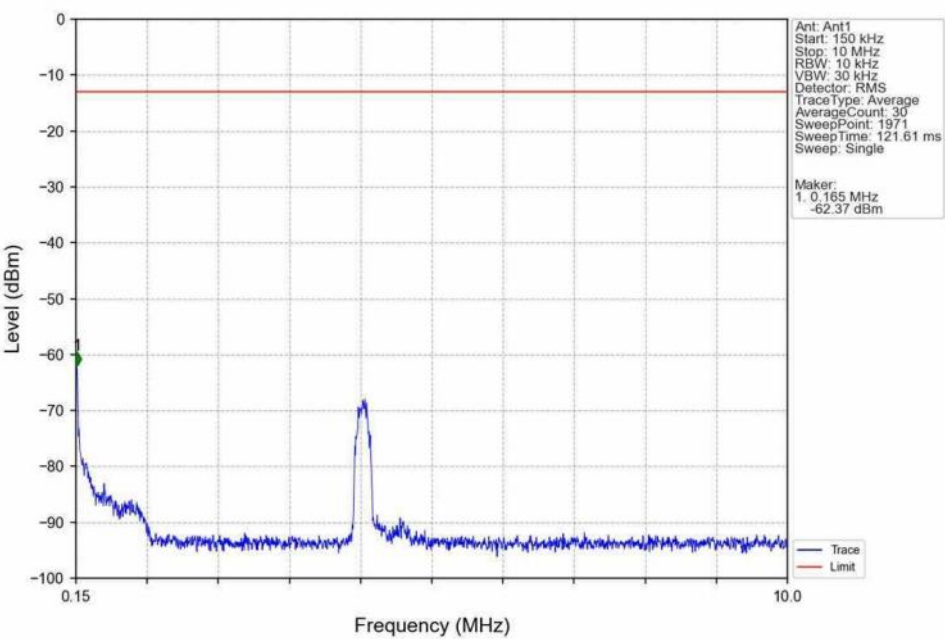


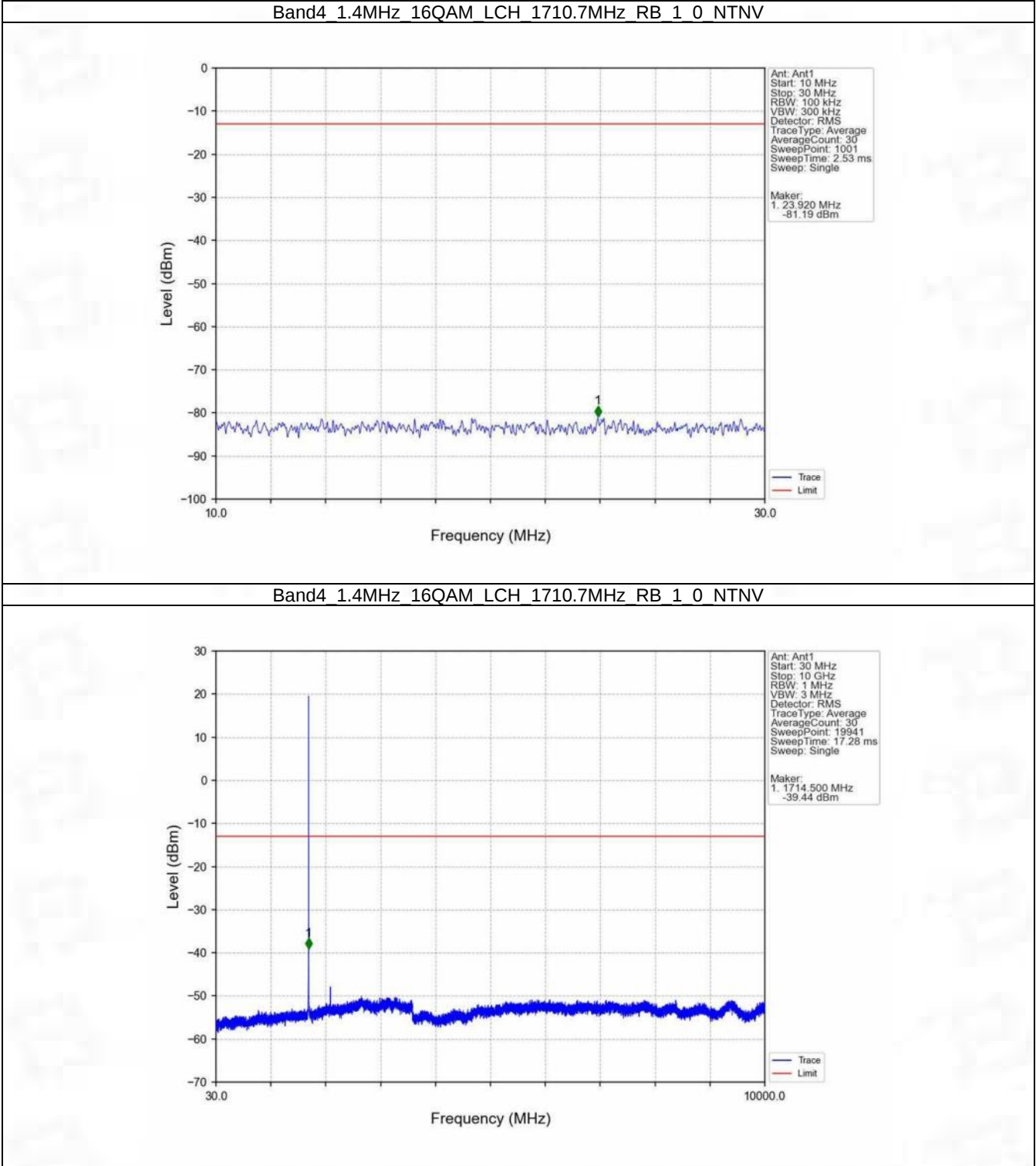
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-37.73	-13	Pass
1709	1710	0.003	/	2	1709.989	-39.99	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTV

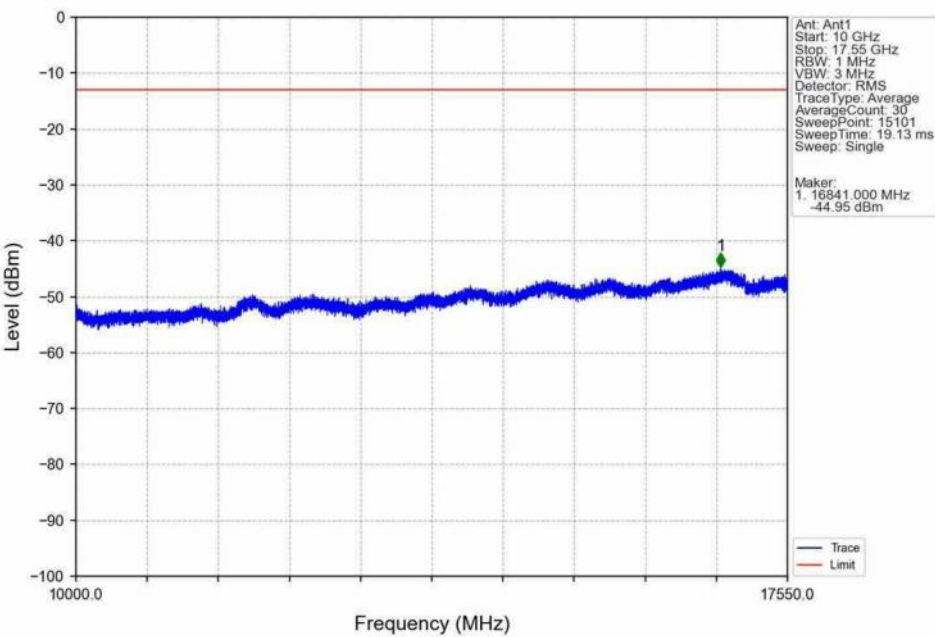


Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTV

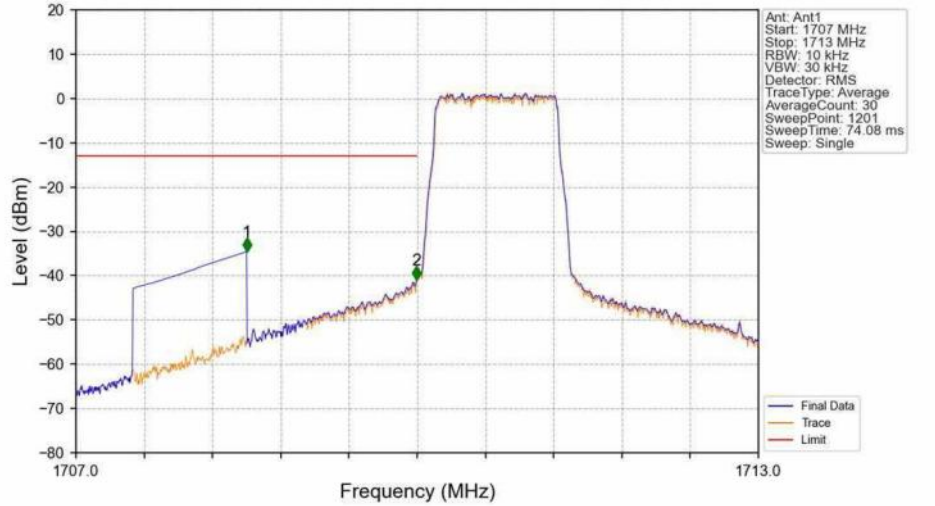




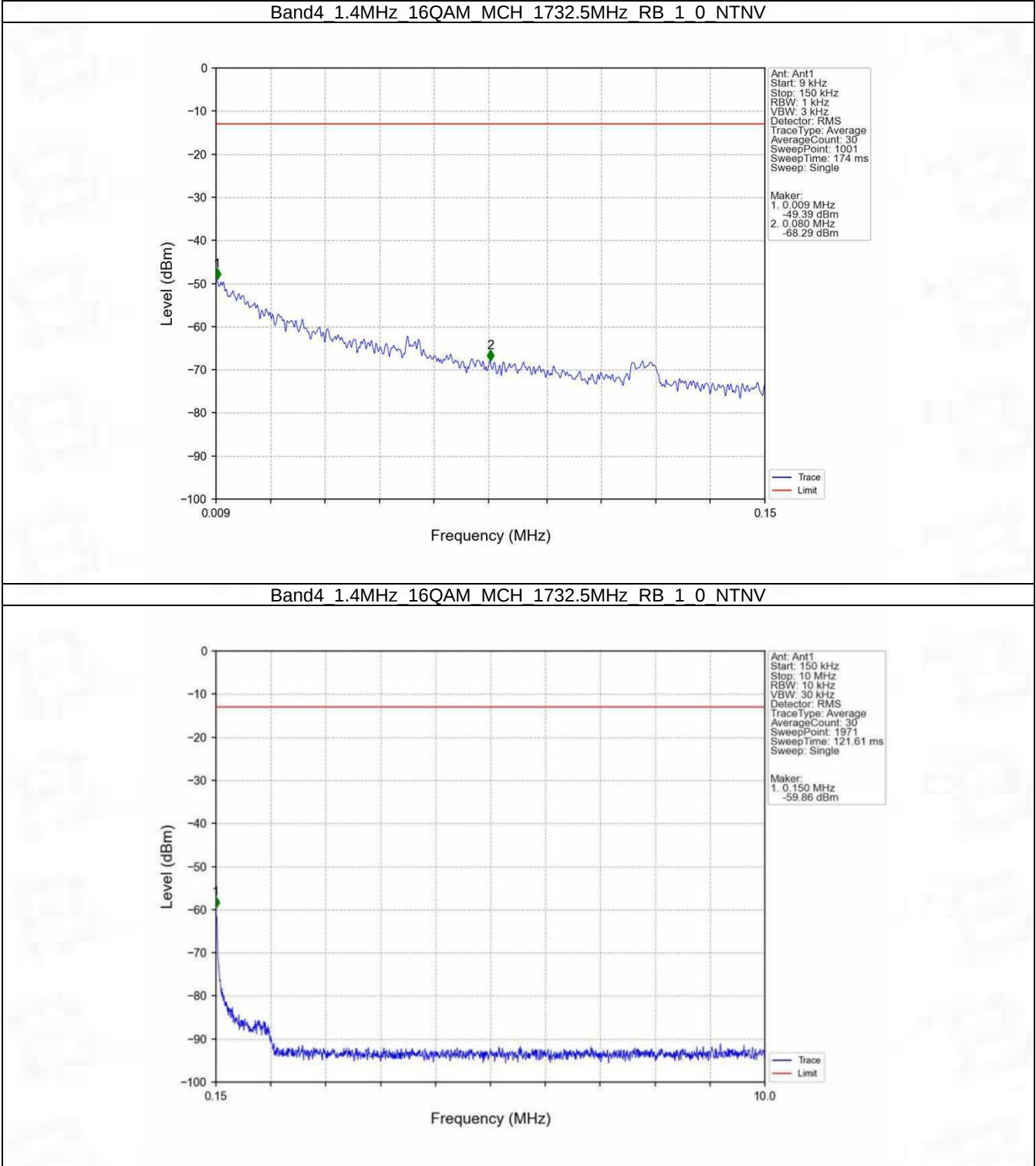
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTV

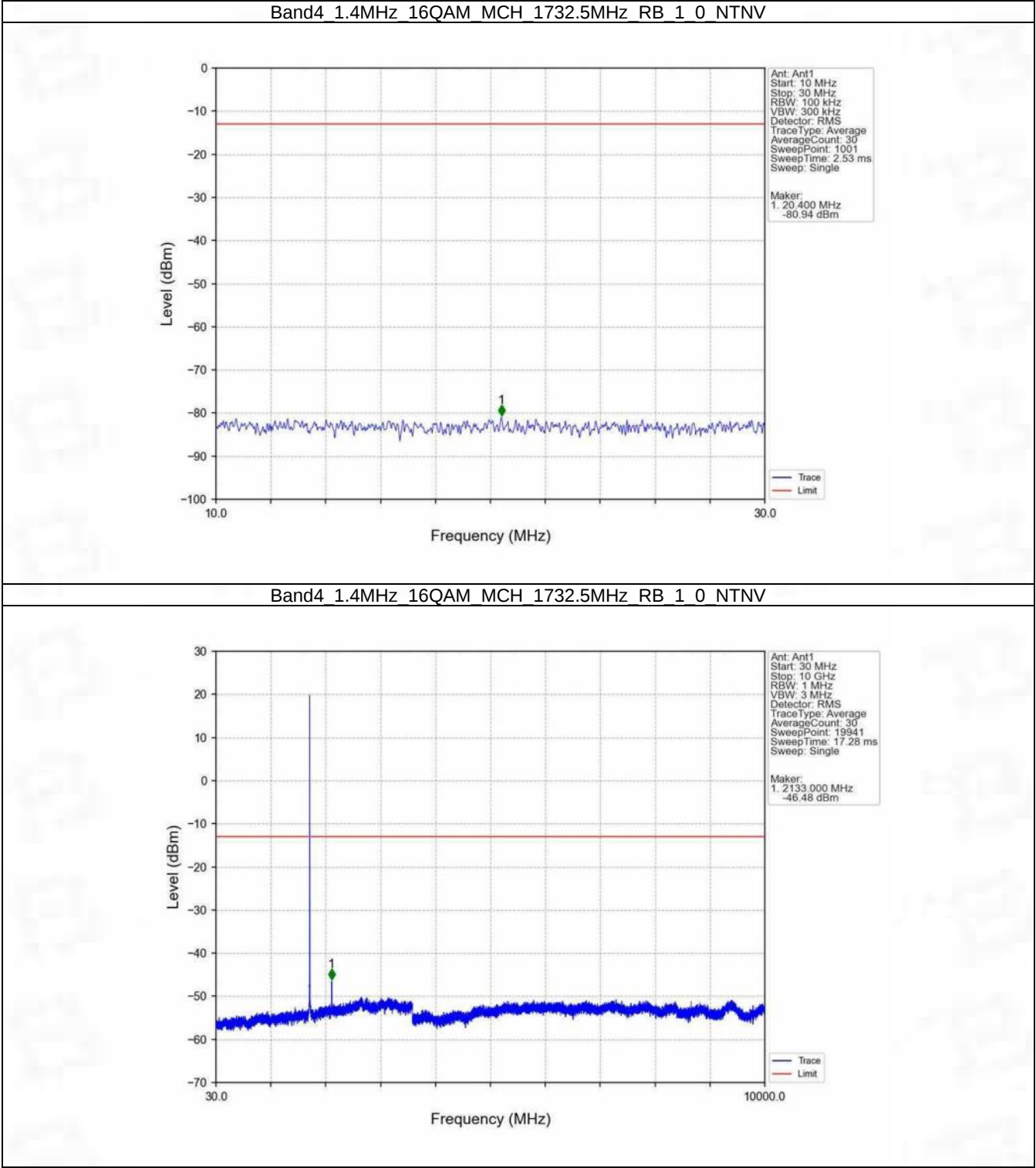


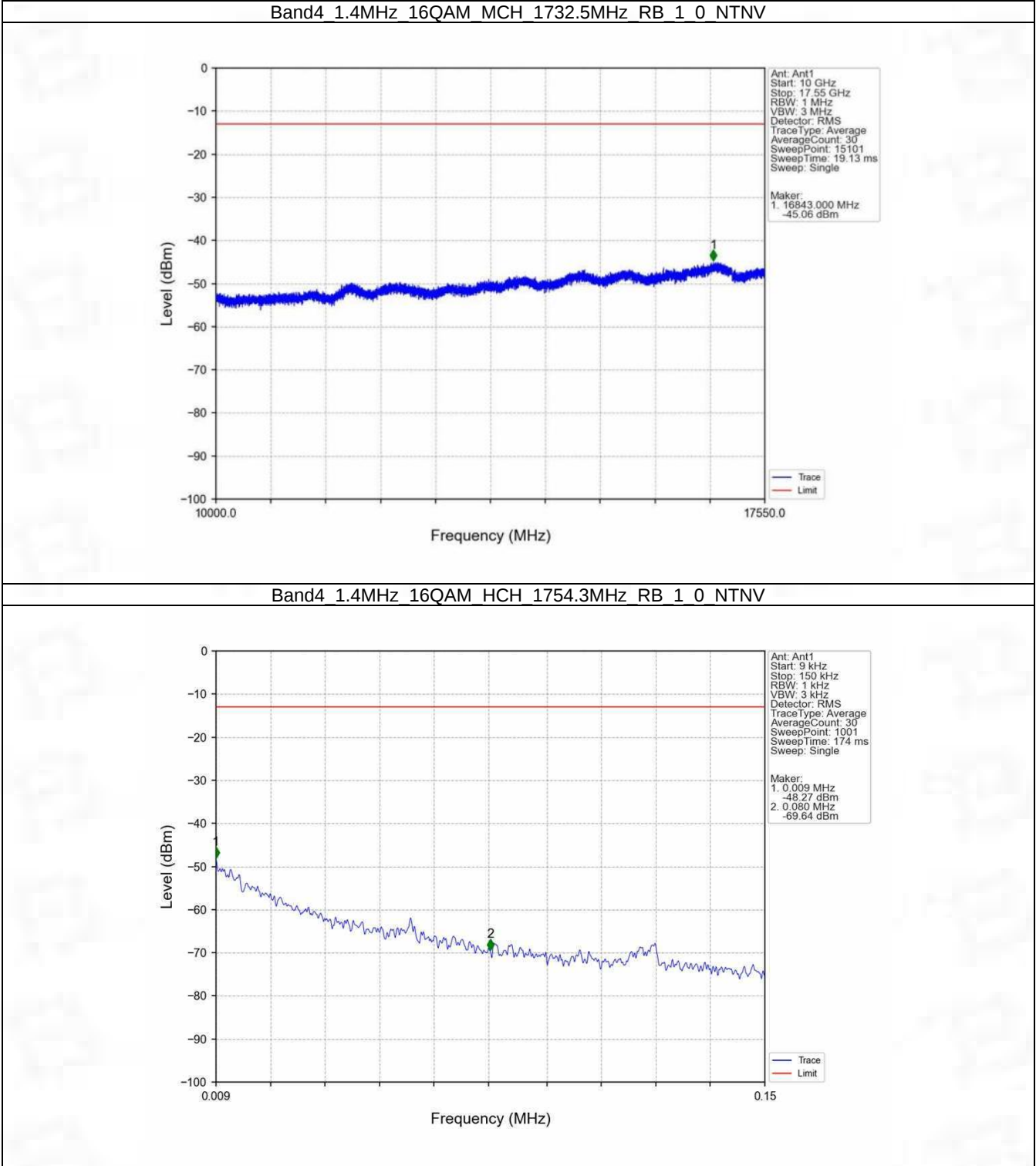
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



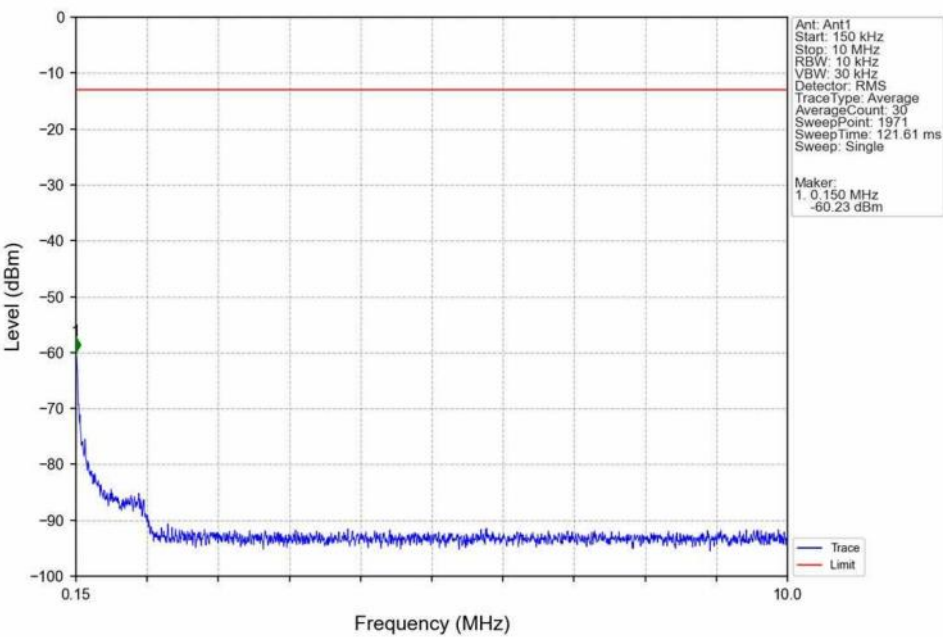
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-34.60	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-40.91	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/



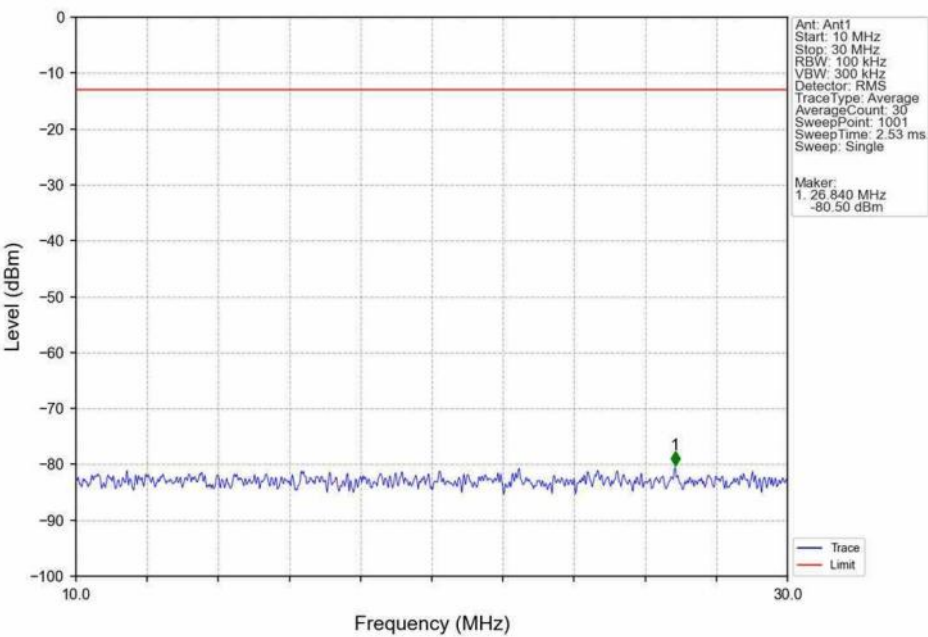




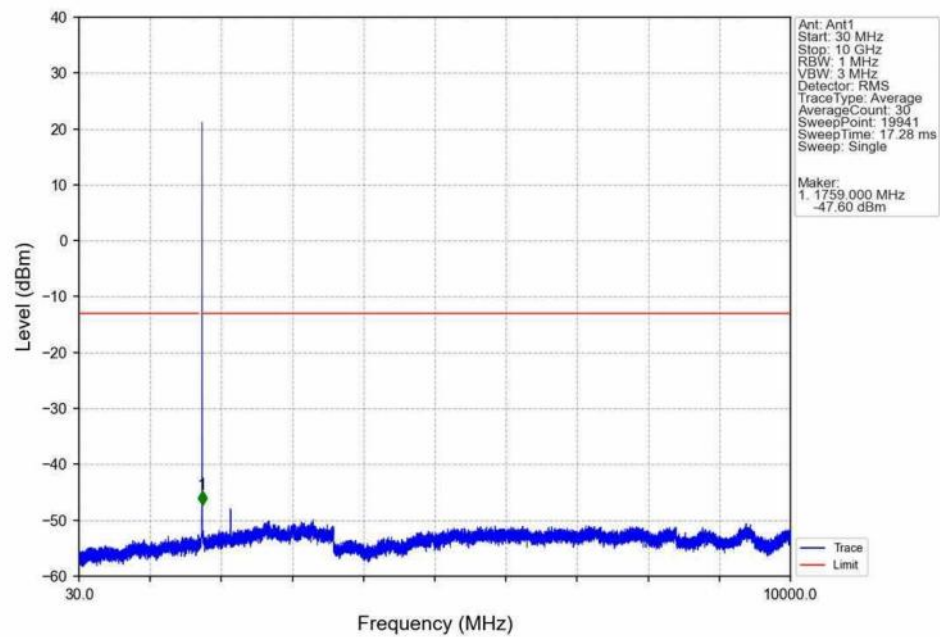
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



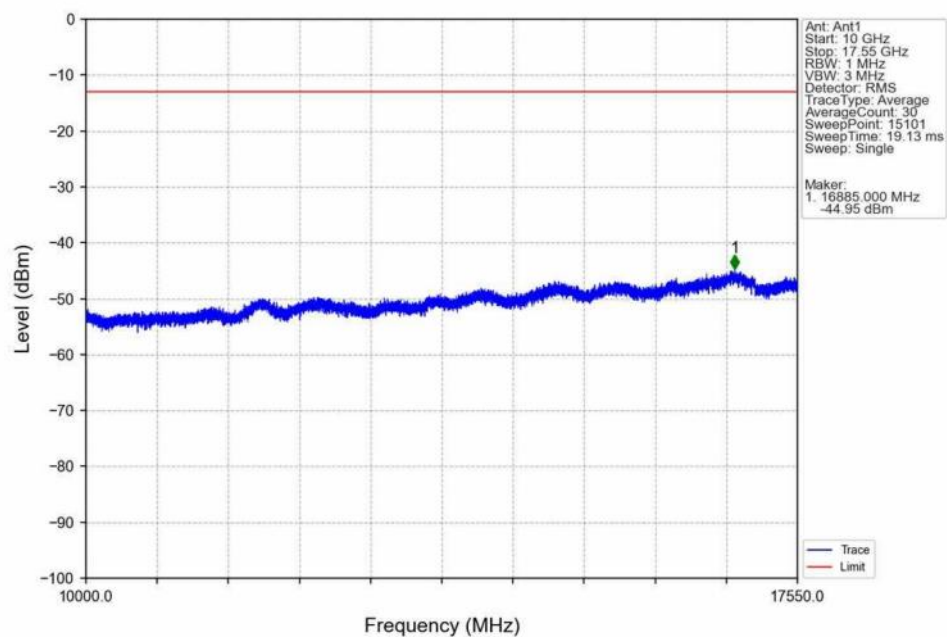
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



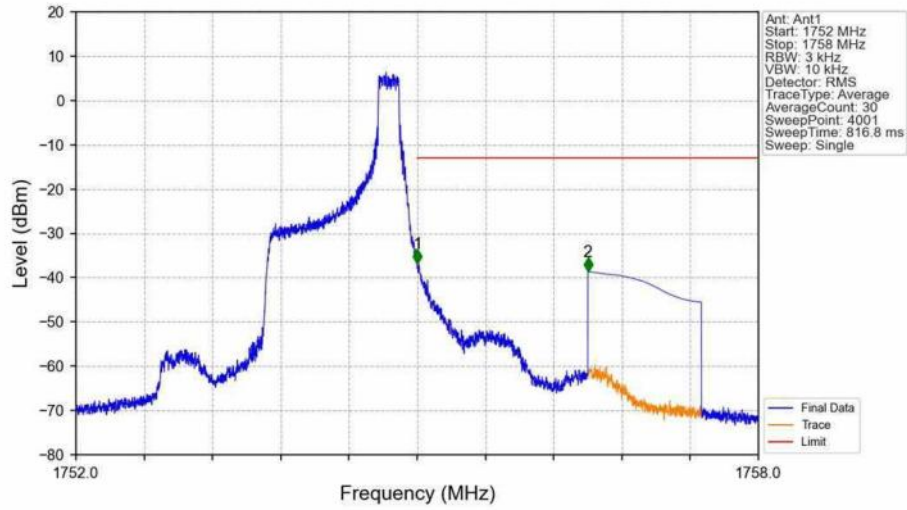
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



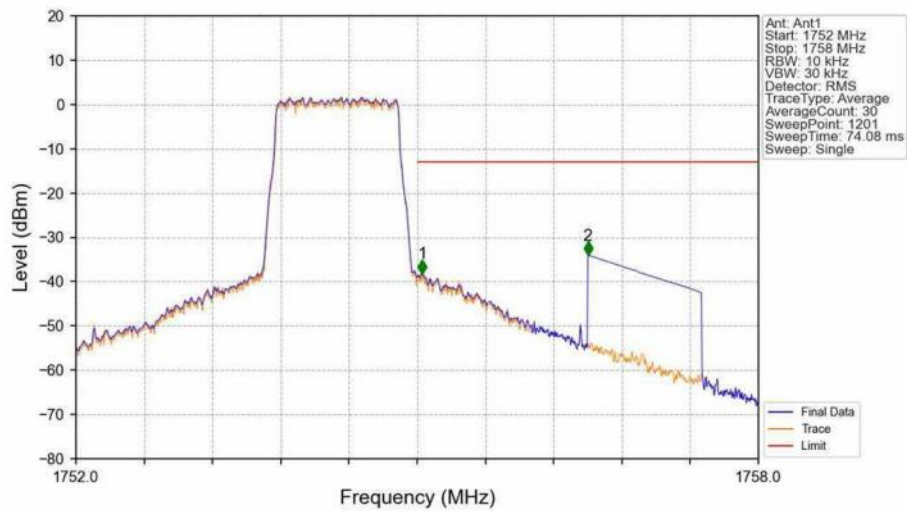
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



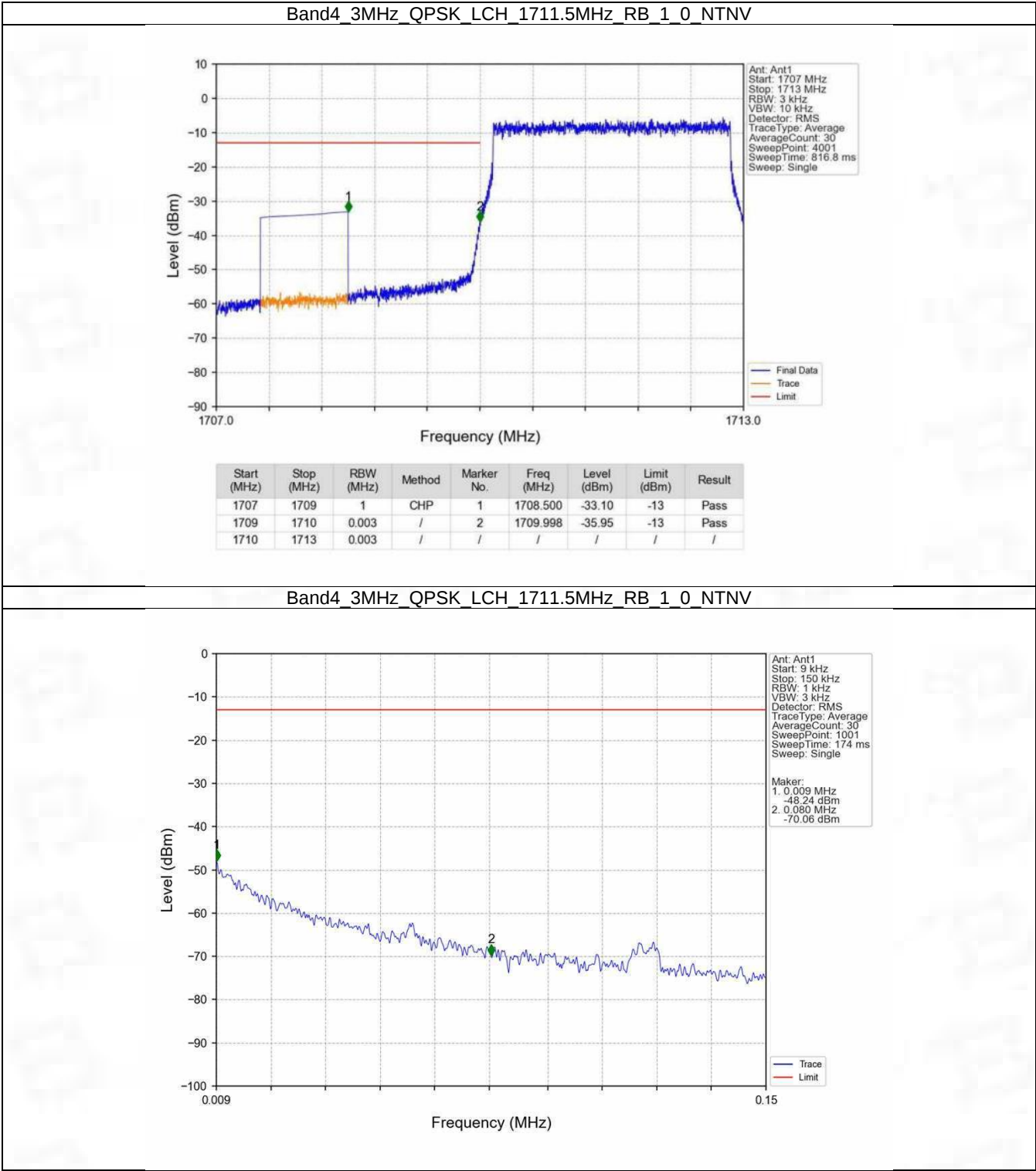
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 5 NTNV



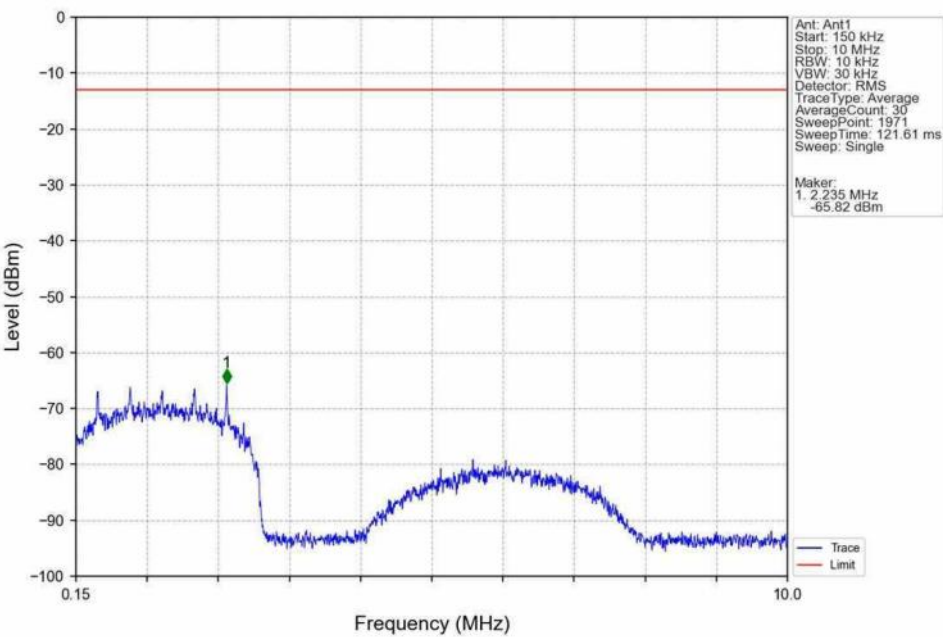
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



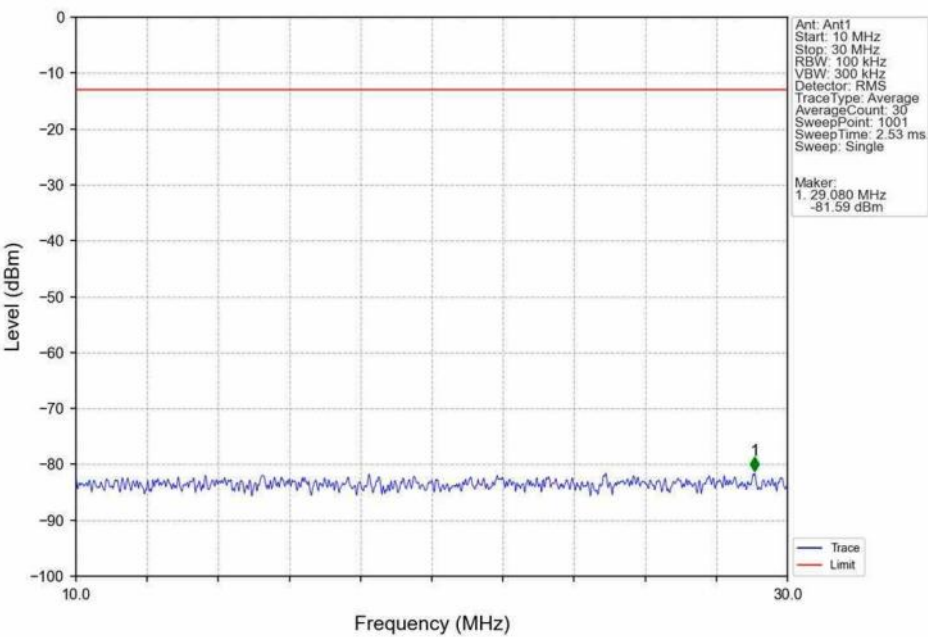
6.2.2 B4_3MHz



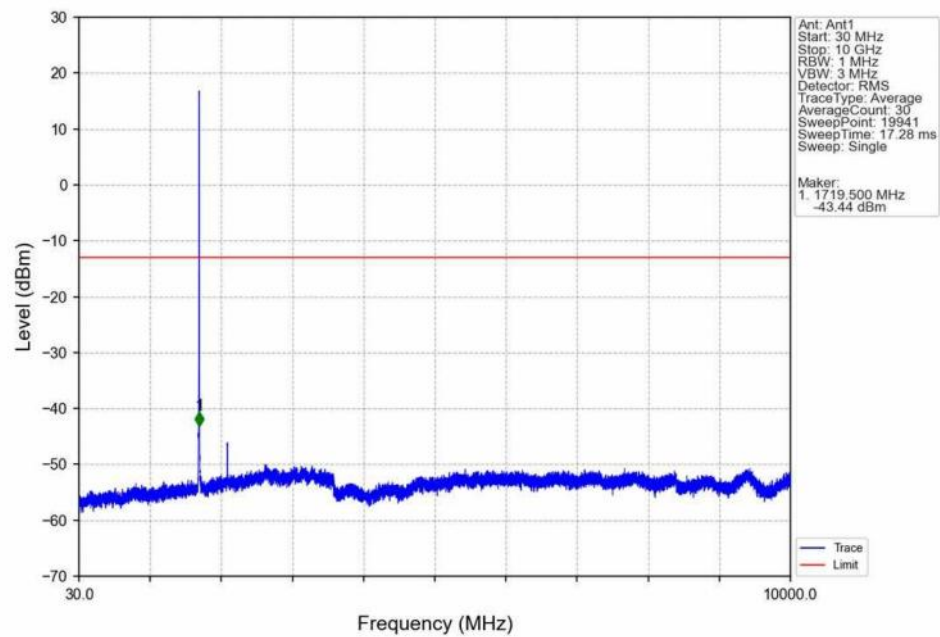
Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTN



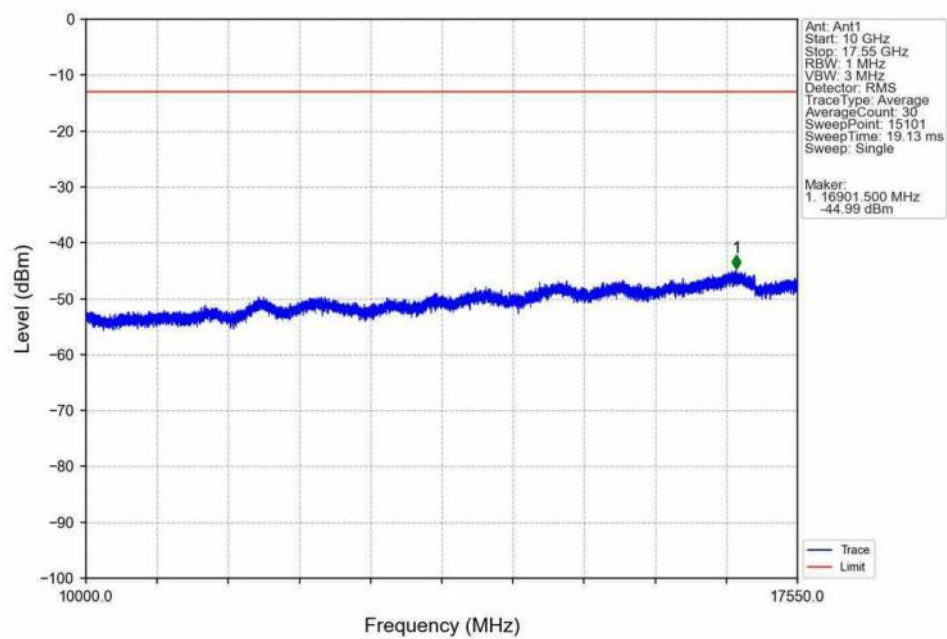
Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTN



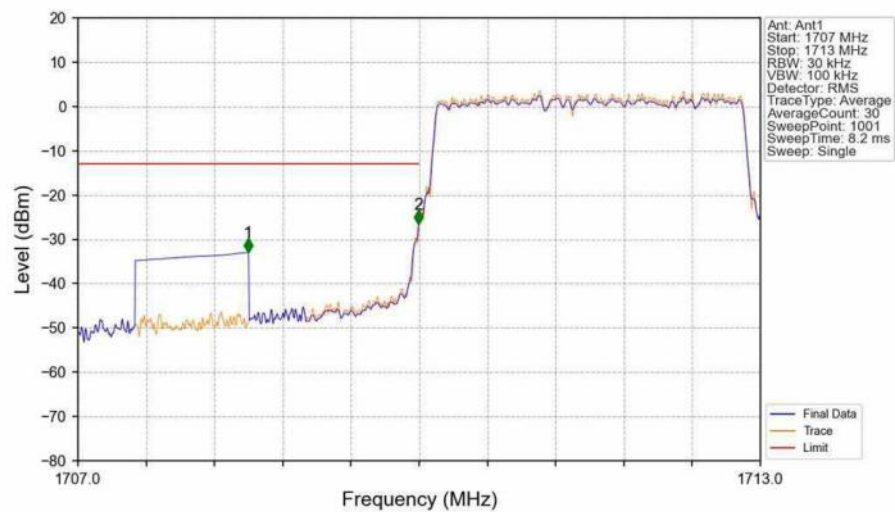
Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTN



Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTN

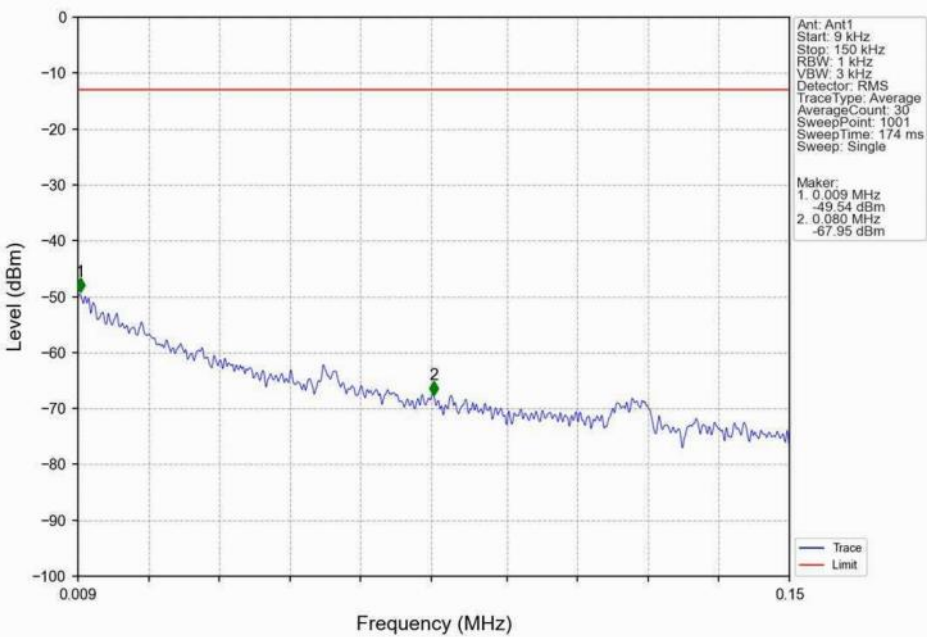


Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTN

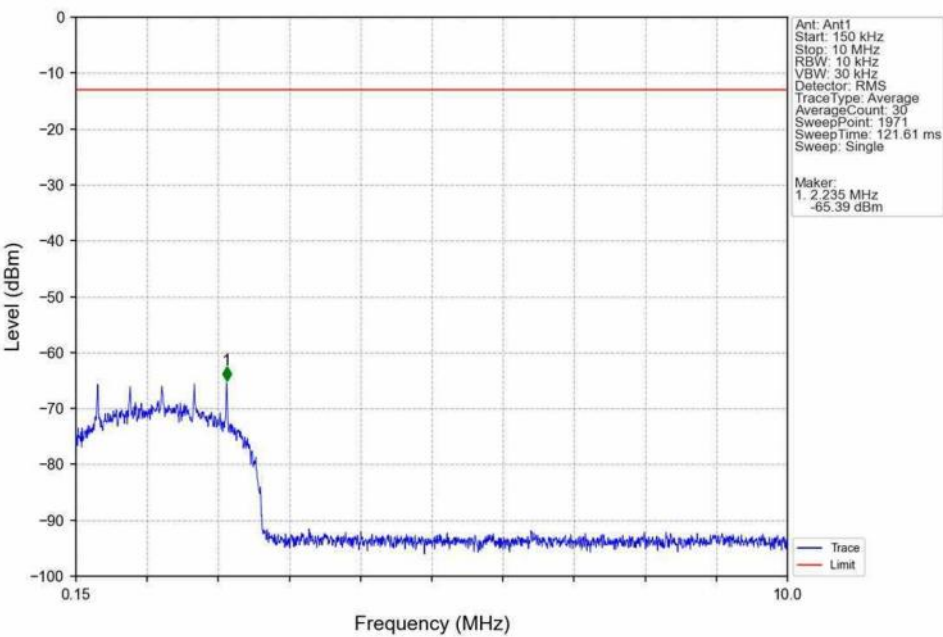


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-32.97	-13	Pass
1709	1710	0.031	CHP	2	1709.994	-26.62	-13	Pass
1710	1713	0.031	CHP	/	/	/	/	/

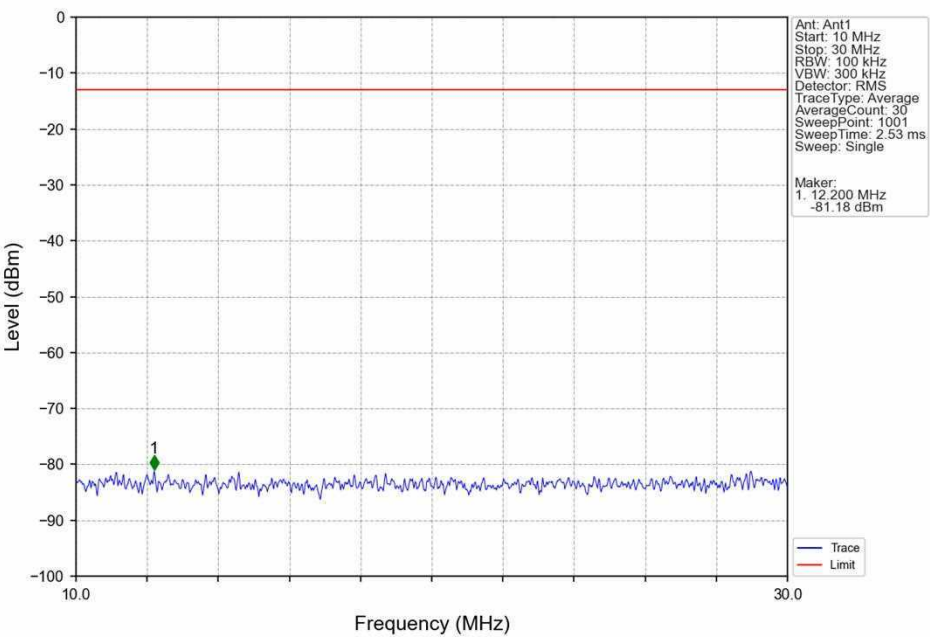
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



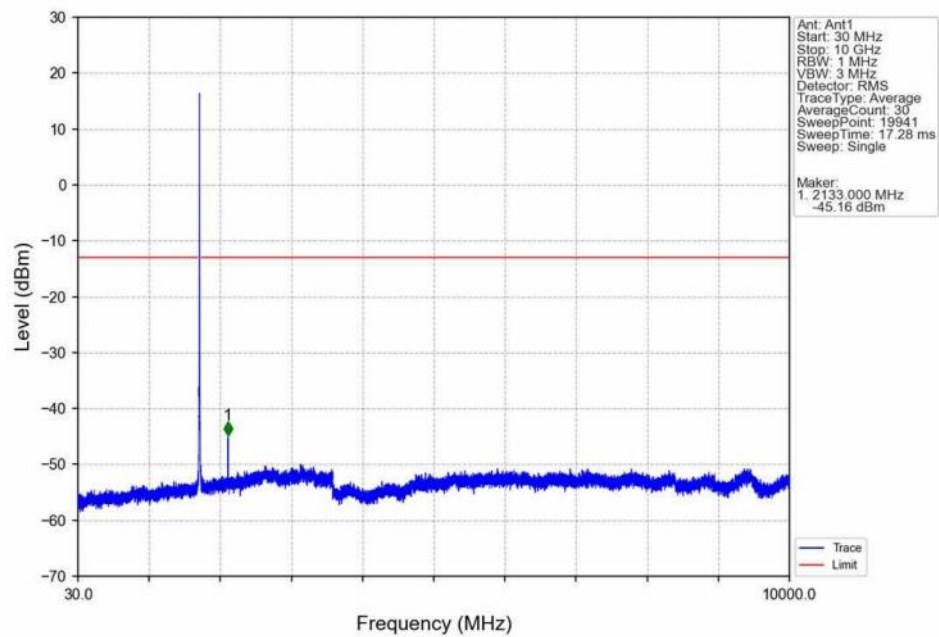
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



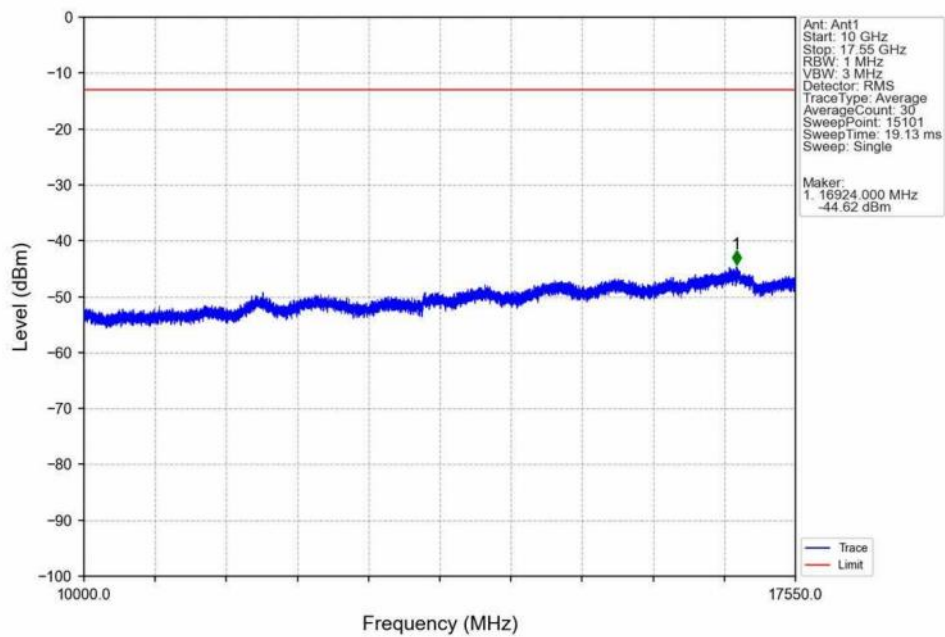
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



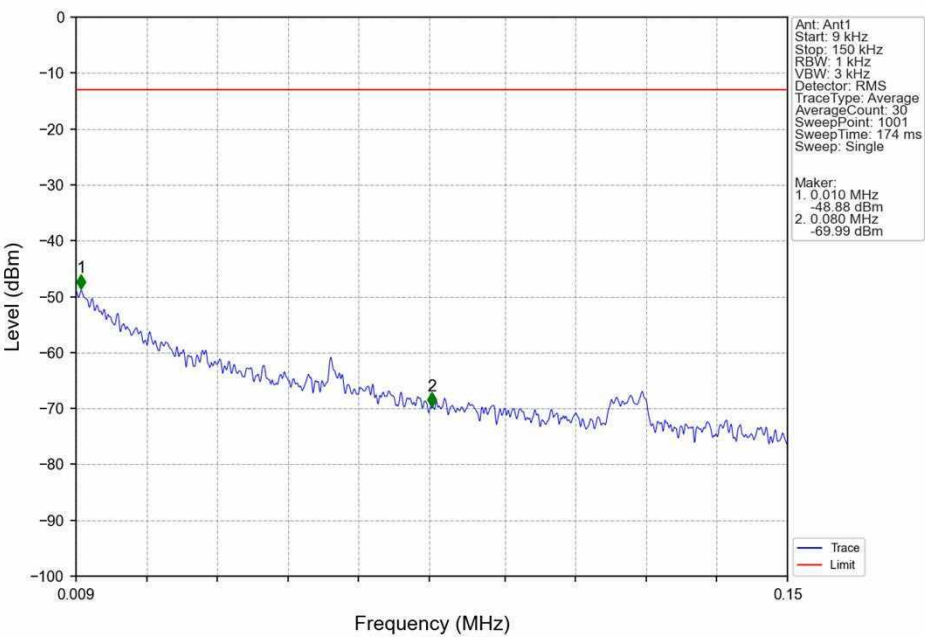
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



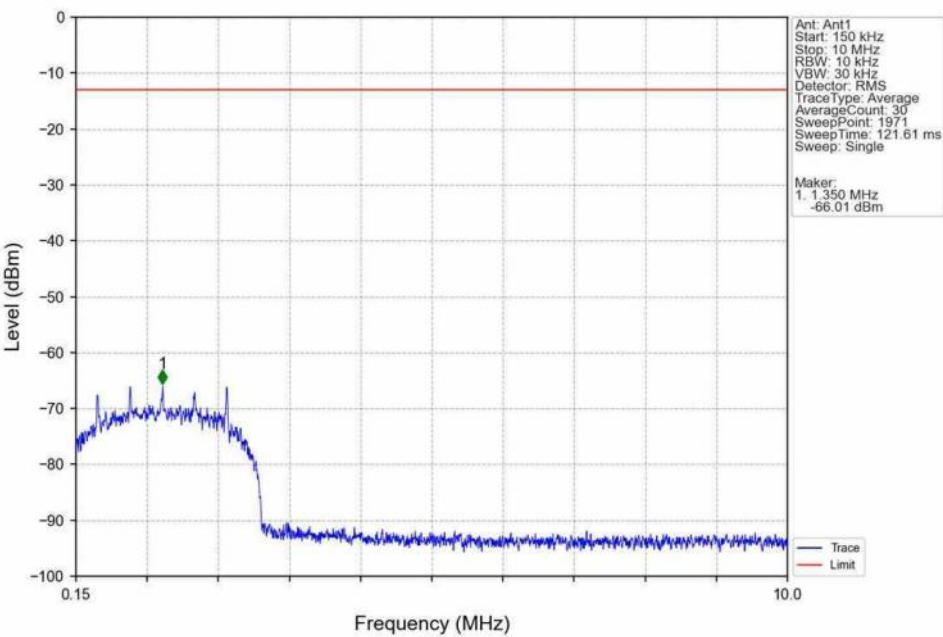
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



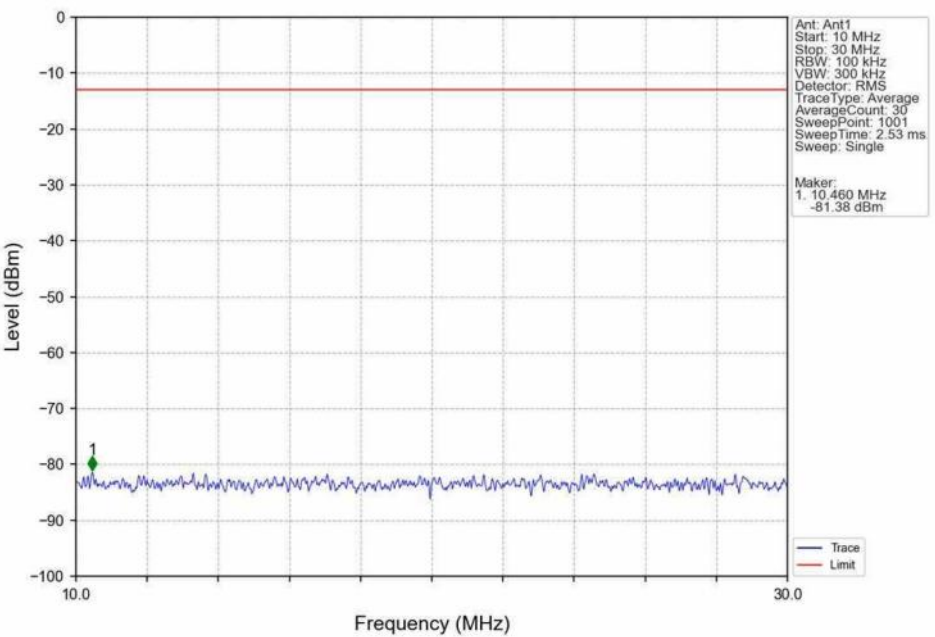
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



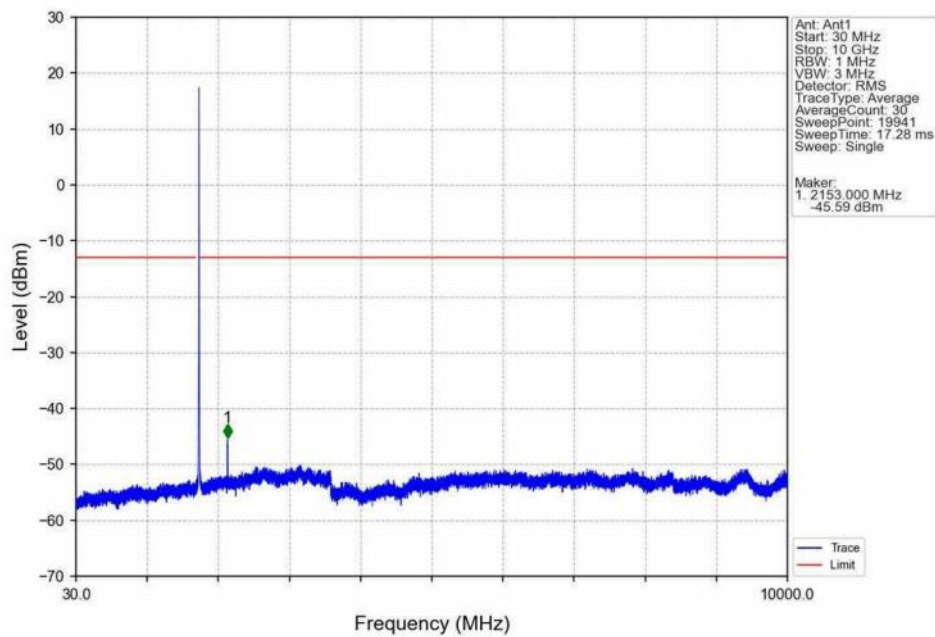
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



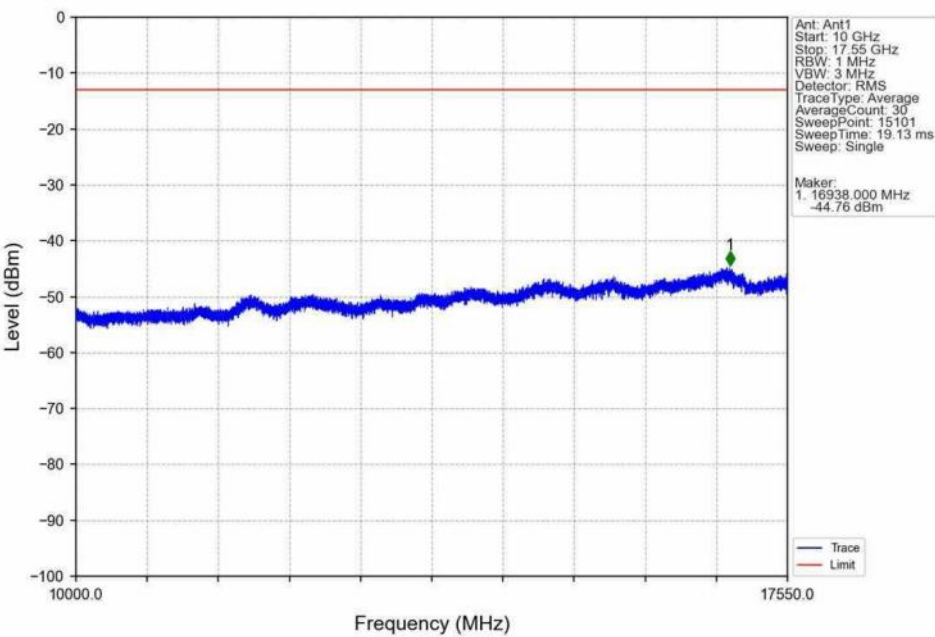
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



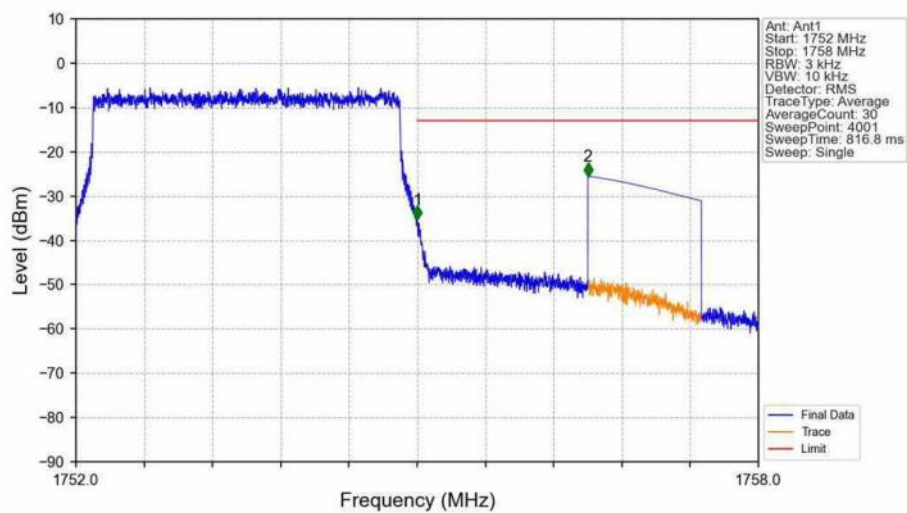
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTNV

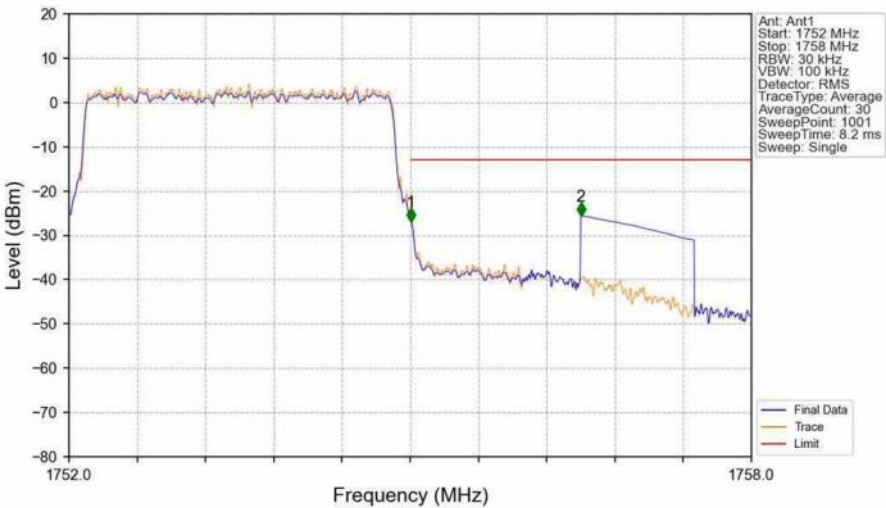


Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTNV



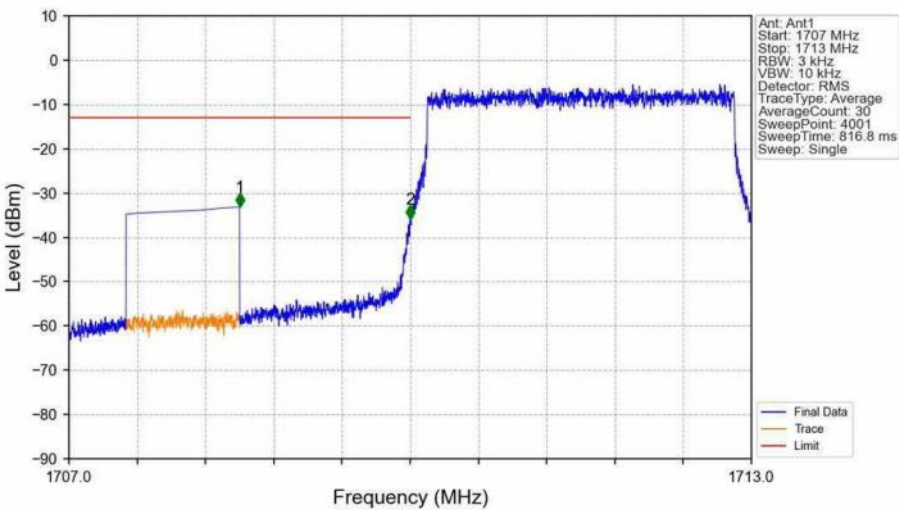
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-35.27	-13	Pass
1756	1758	1	CHP	2	1756.500	-25.56	-13	Pass

Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



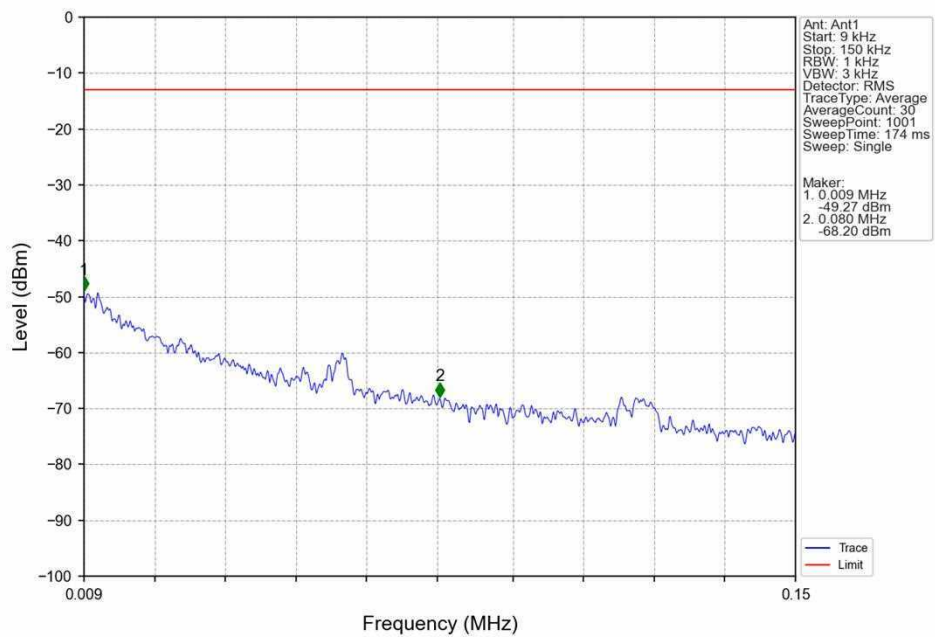
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.031	CHP	/	/	/	/	/
1755	1756	0.031	CHP	1	1755.006	-26.89	-13	Pass
1756	1758	1	CHP	2	1756.500	-25.64	-13	Pass

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

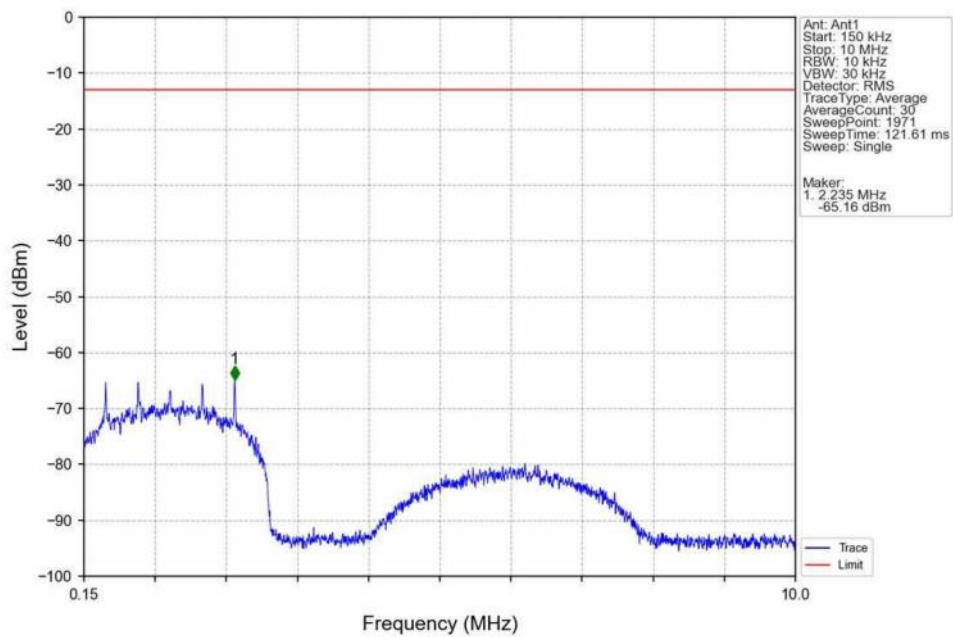


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-33.13	-13	Pass
1709	1710	0.003	/	2	1709.998	-35.81	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

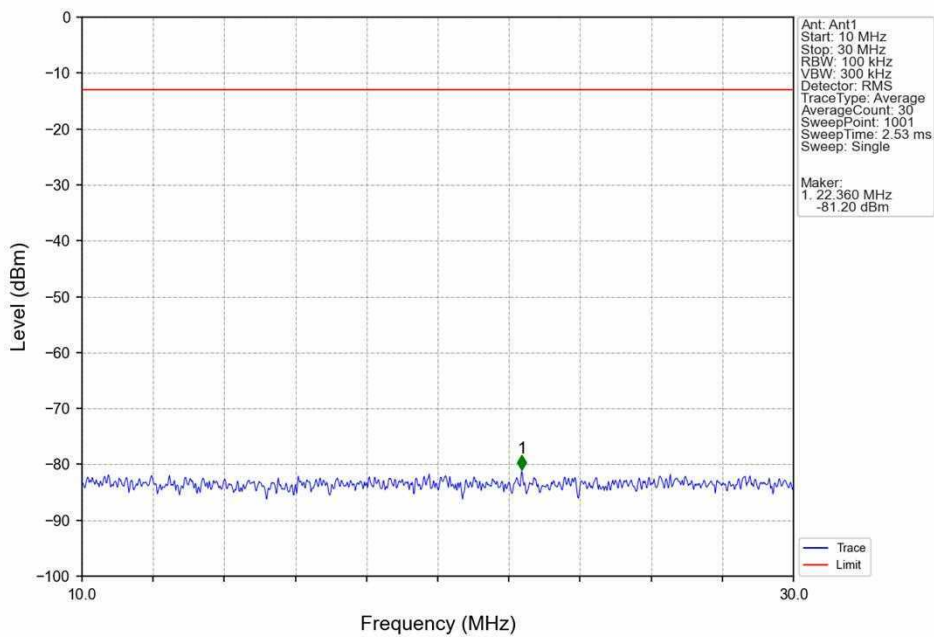
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



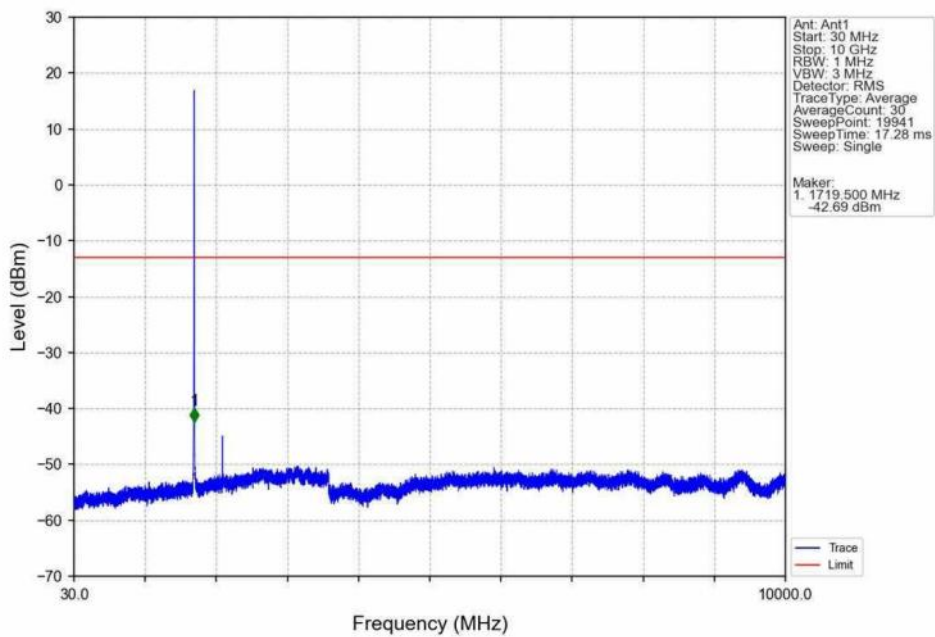
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



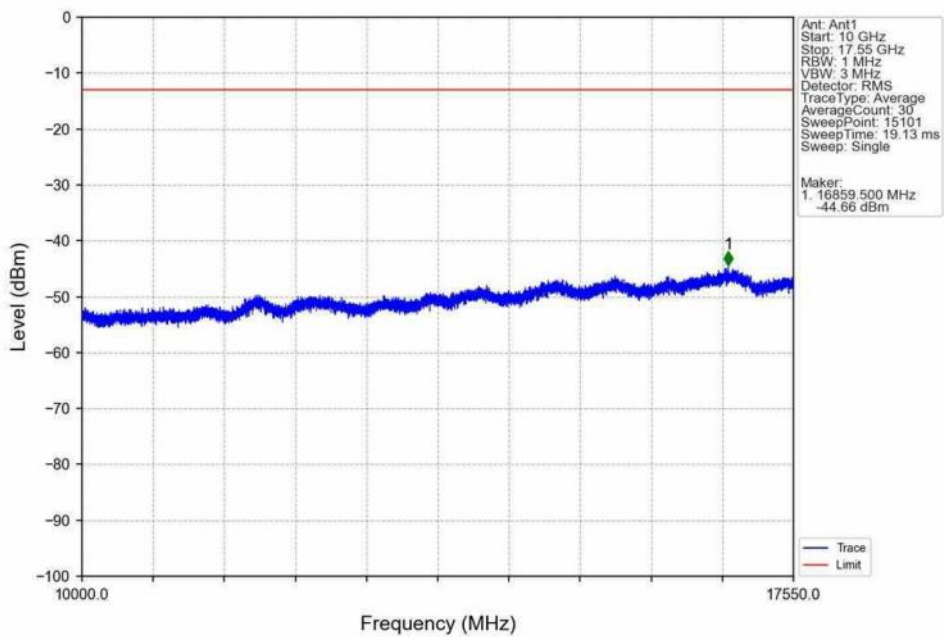
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



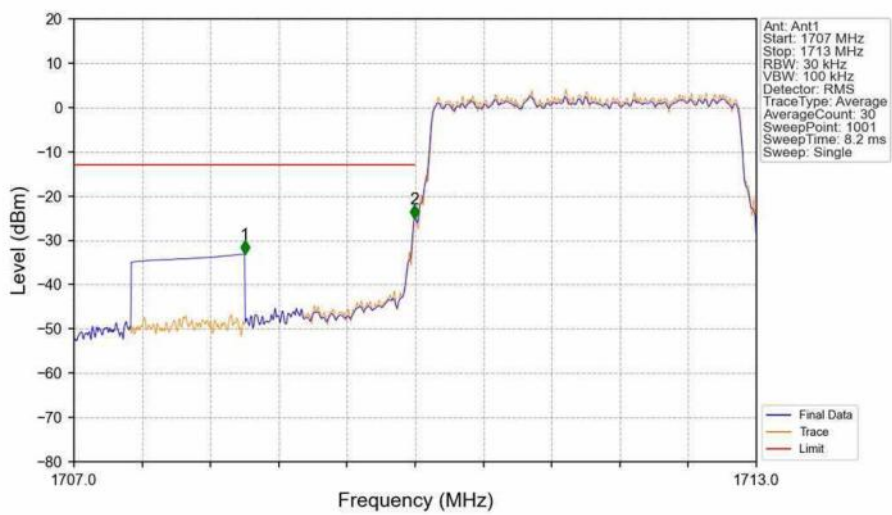
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



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

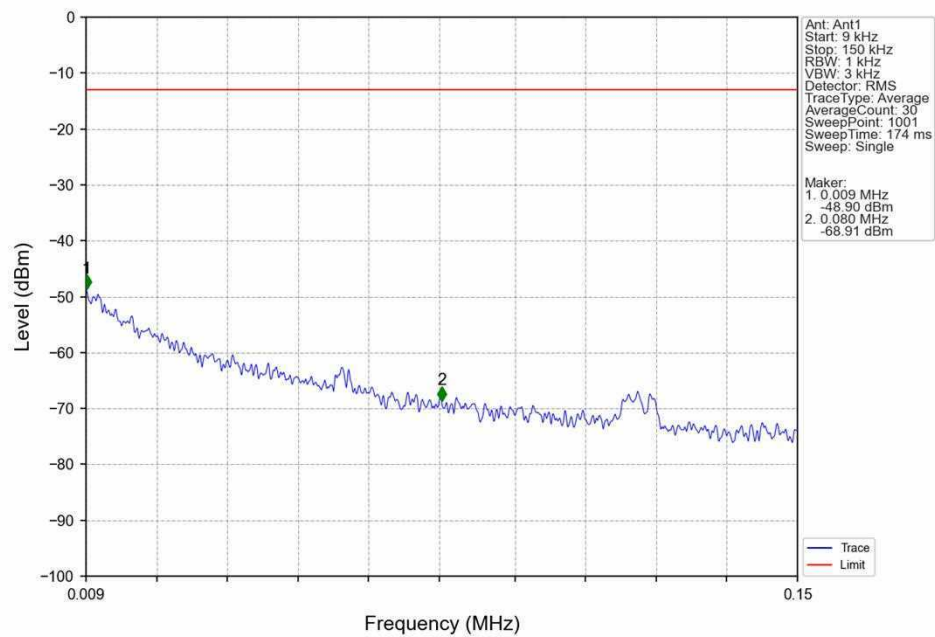


Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV

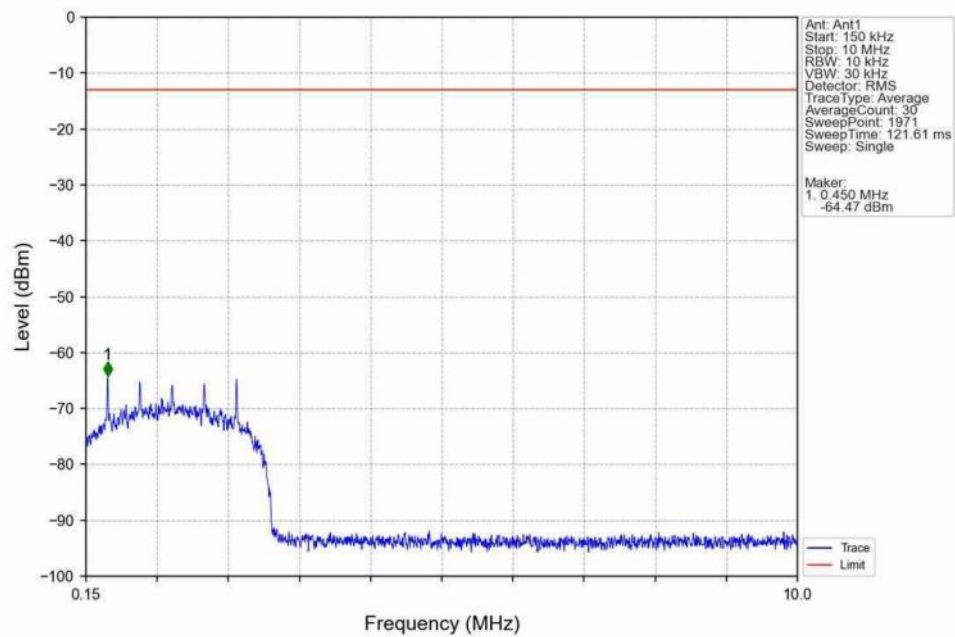


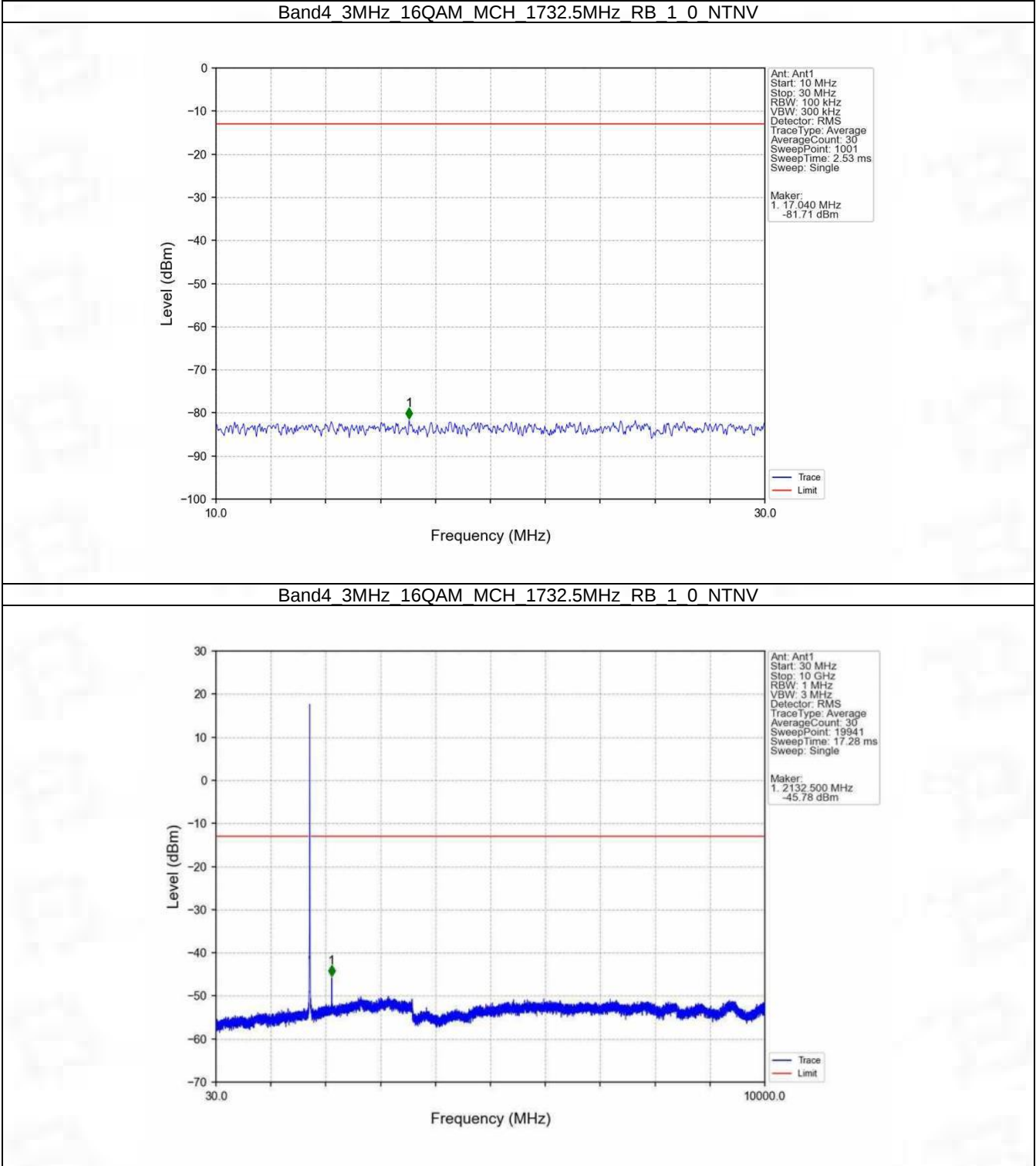
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-33.13	-13	Pass
1709	1710	0.031	CHP	2	1709.994	-25.05	-13	Pass
1710	1713	0.031	CHP	/	/	/	/	/

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

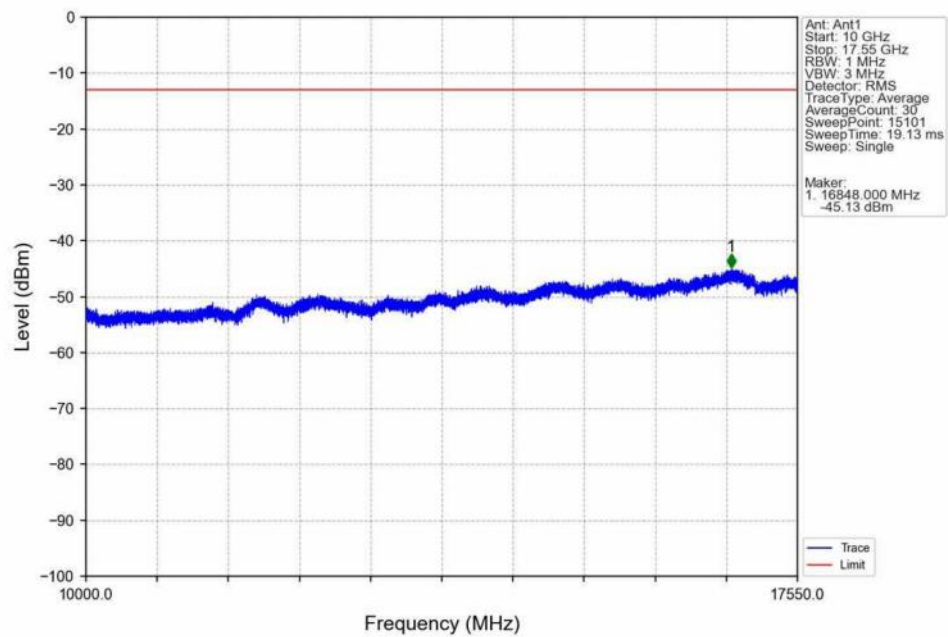


Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV

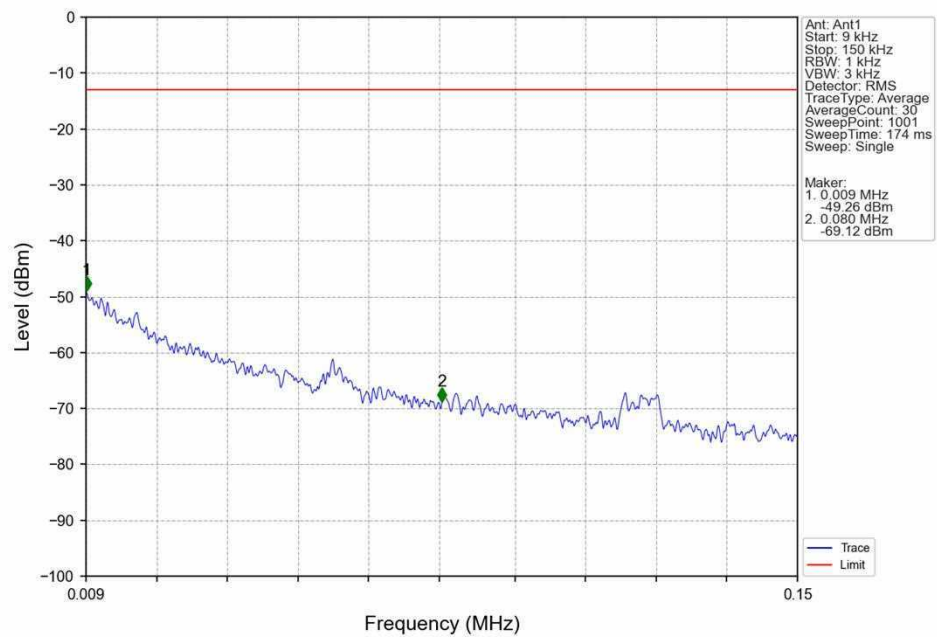




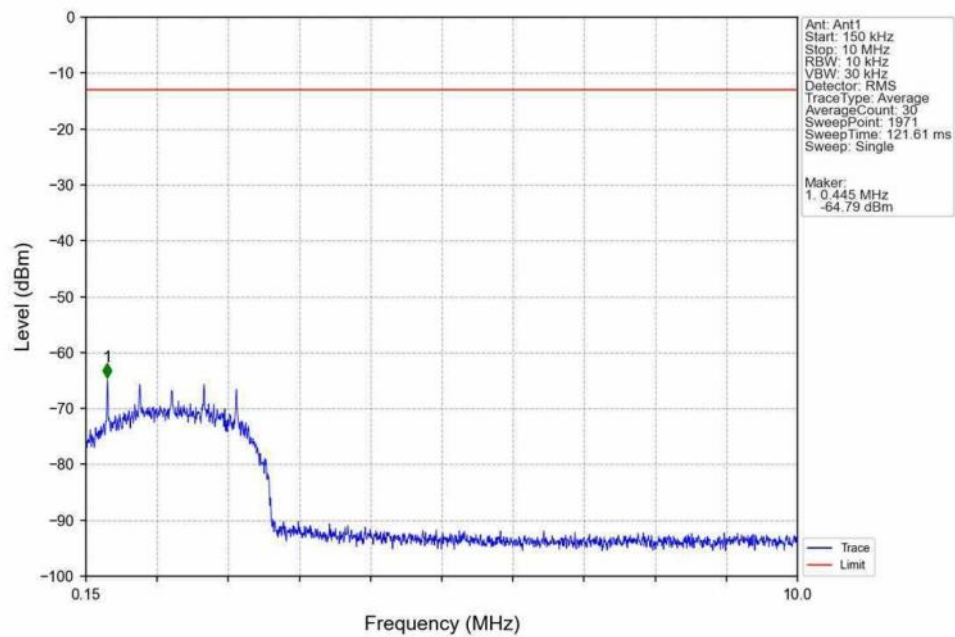
Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTV



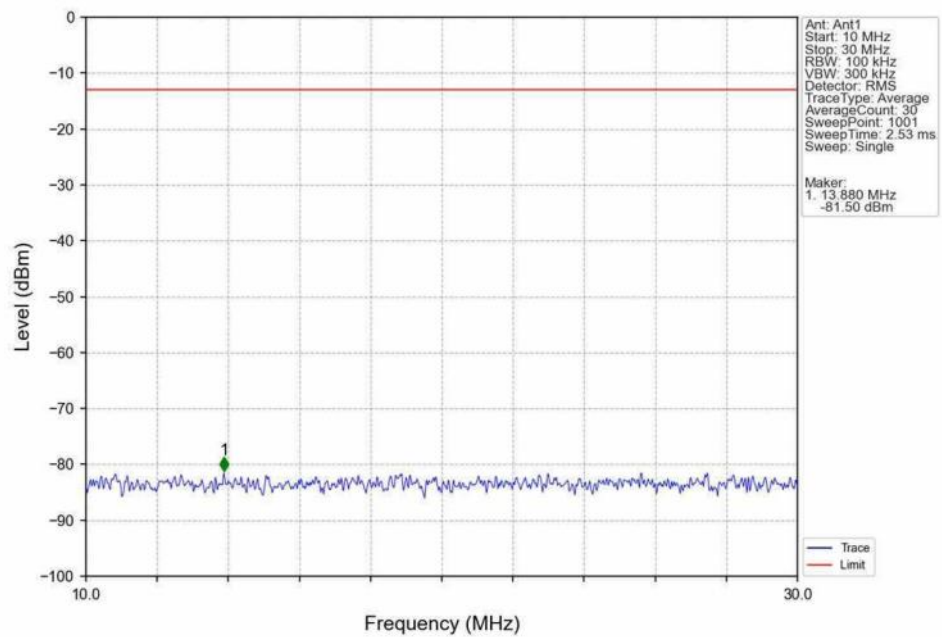
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTV



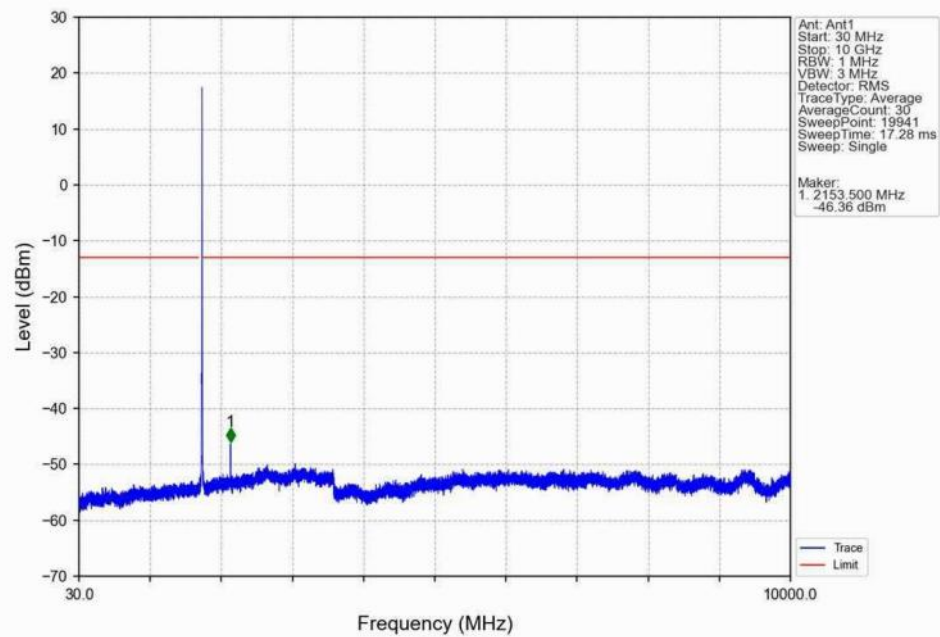
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTNV



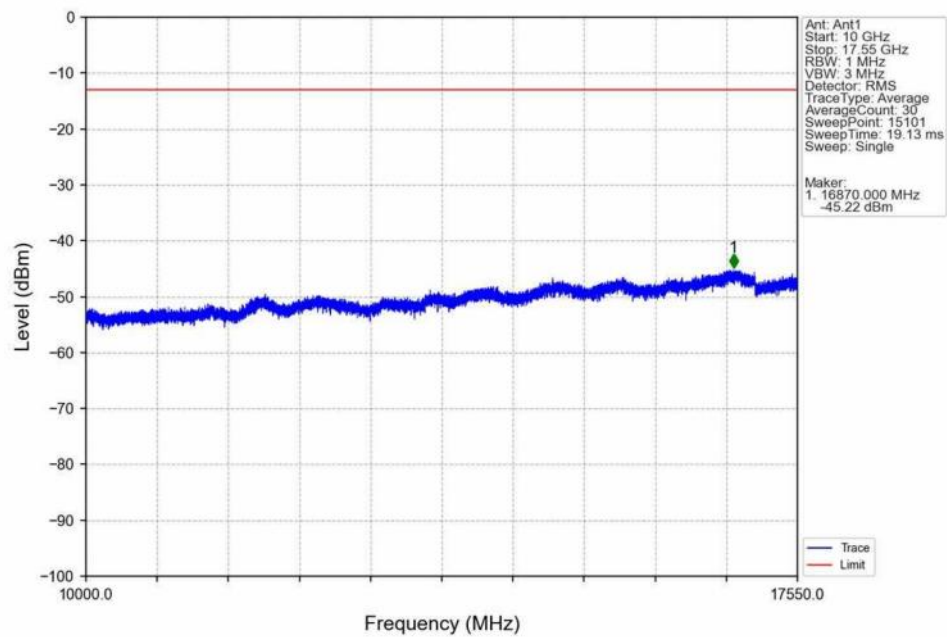
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTNV



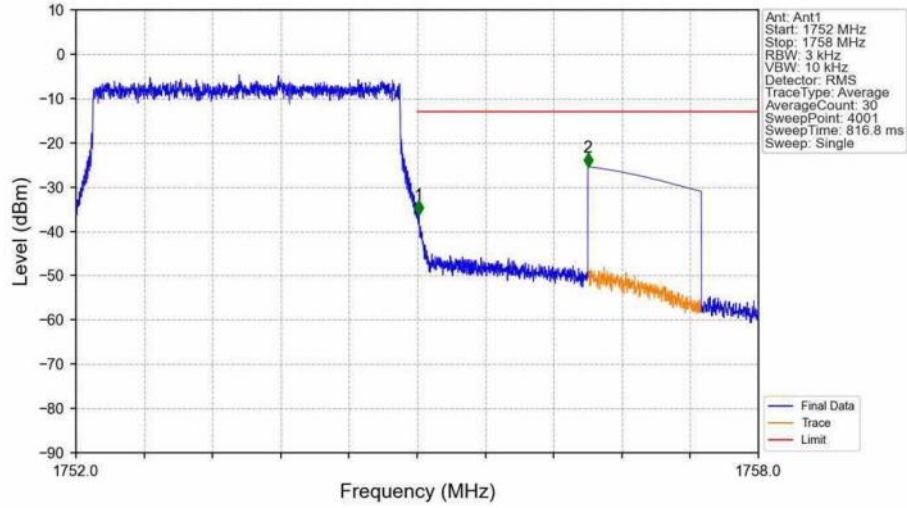
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTV



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

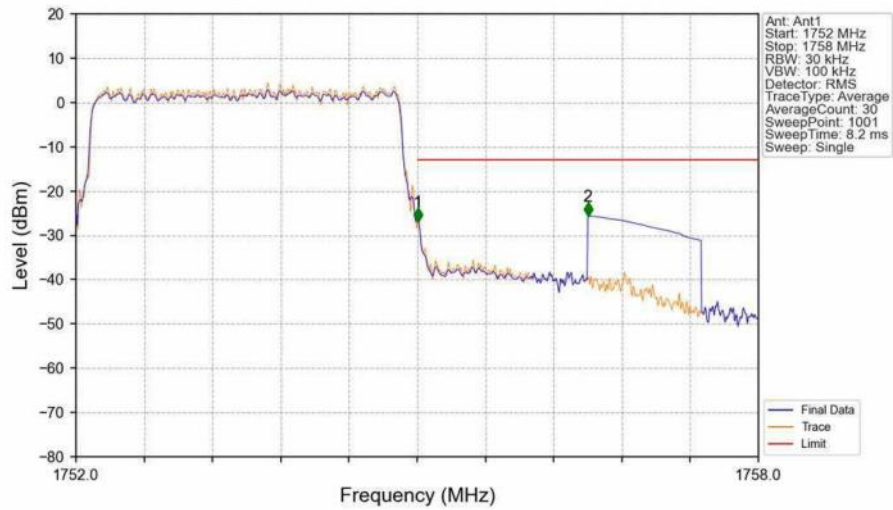


Band4 3MHz 16QAM HCH 1753.5MHz RB 1 14 NTV



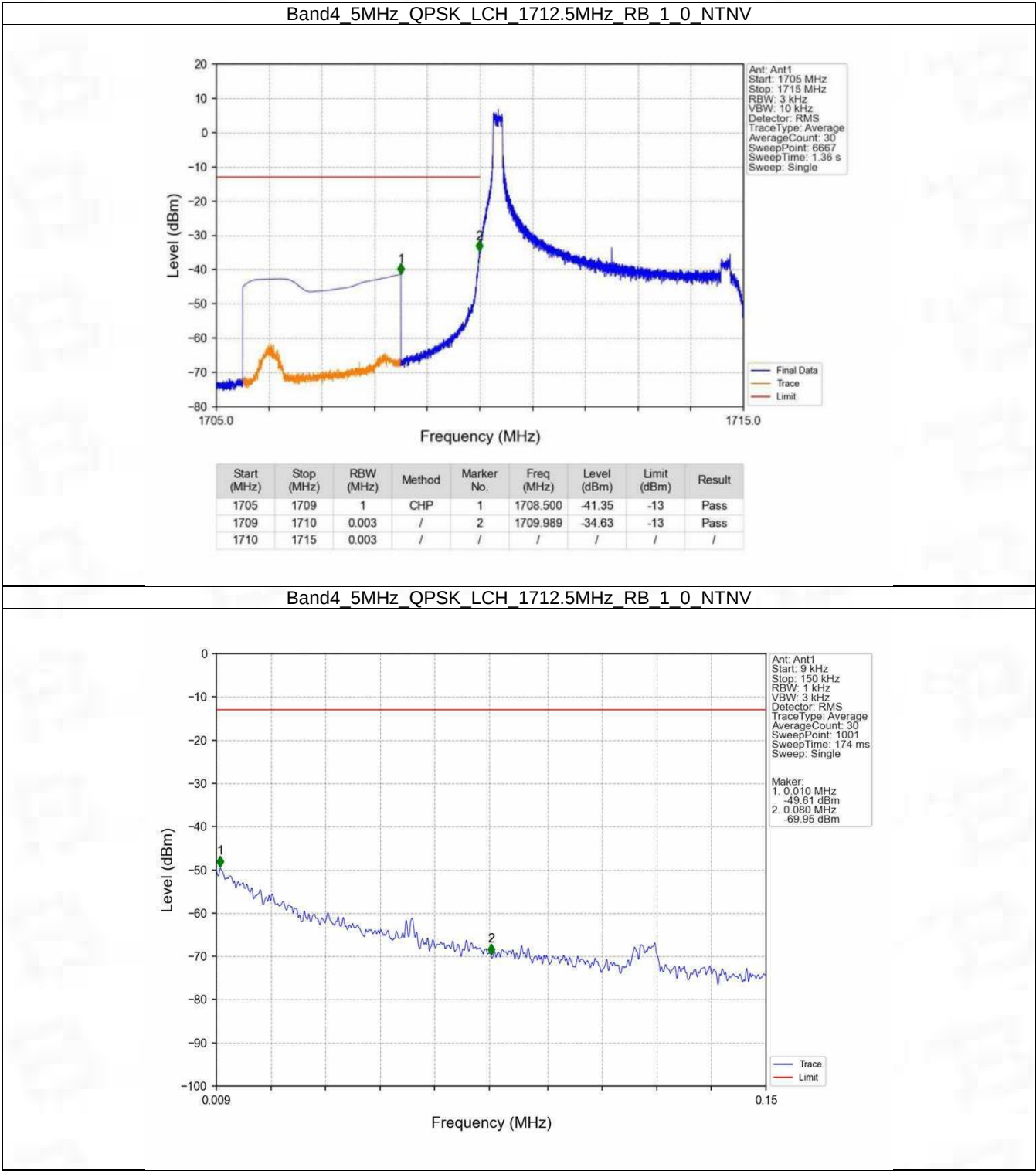
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.014	-36.13	-13	Pass
1756	1758	1	CHP	2	1756.500	-25.42	-13	Pass

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

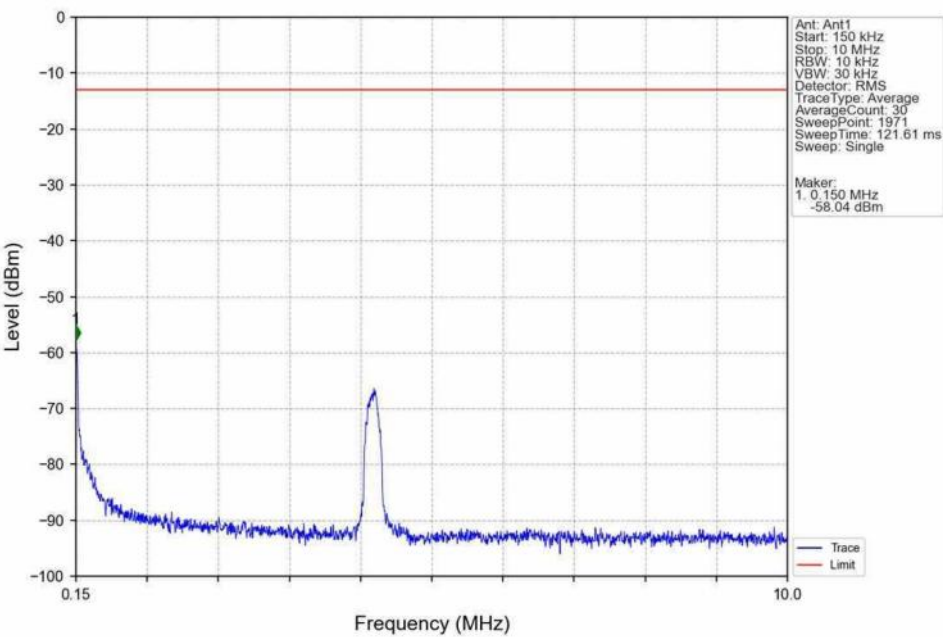


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.031	CHP	/	/	/	/	/
1755	1756	0.031	CHP	1	1755.006	-26.89	-13	Pass
1756	1758	1	CHP	2	1756.500	-25.59	-13	Pass

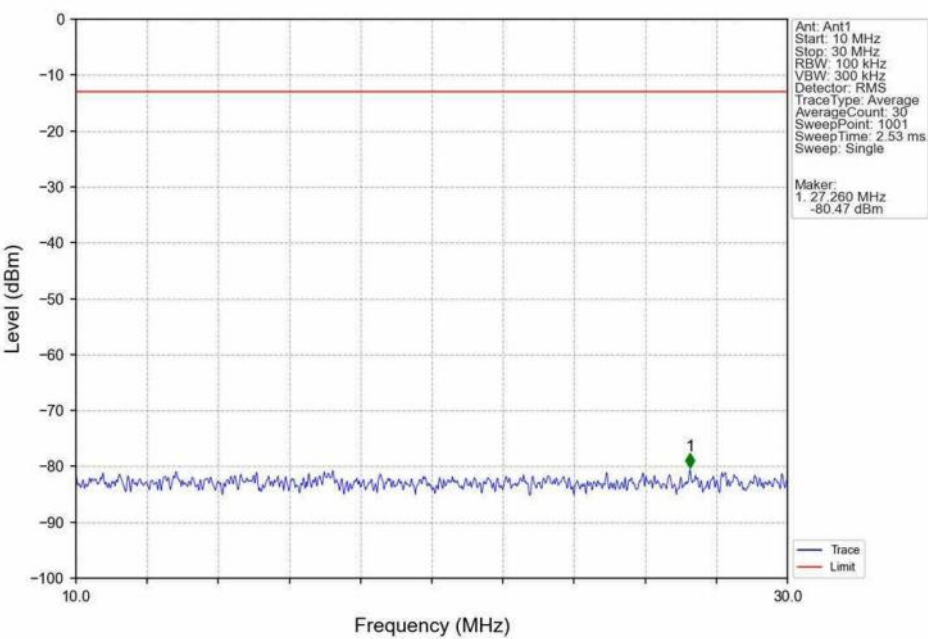
6.2.3 B4_5MHz



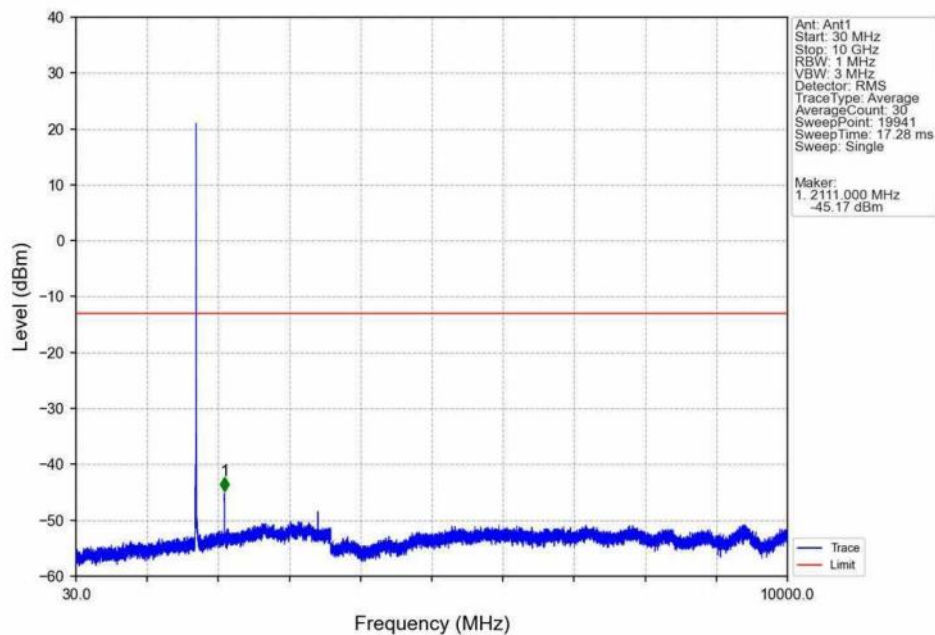
Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTN



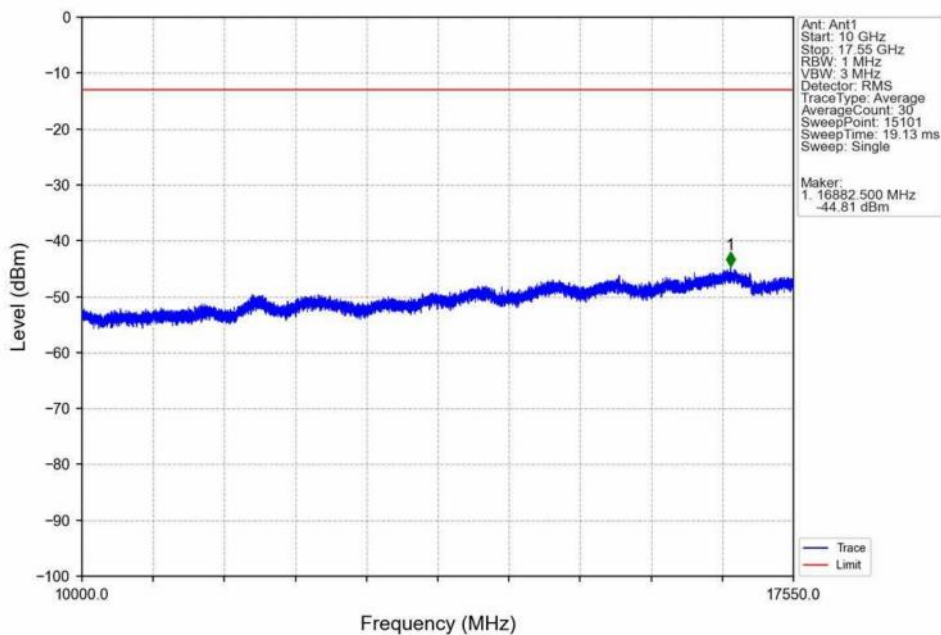
Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTN



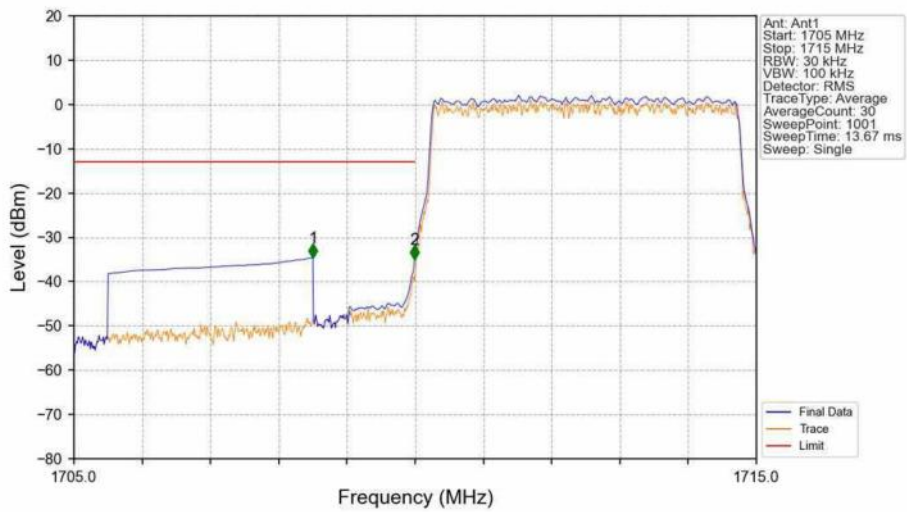
Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTN



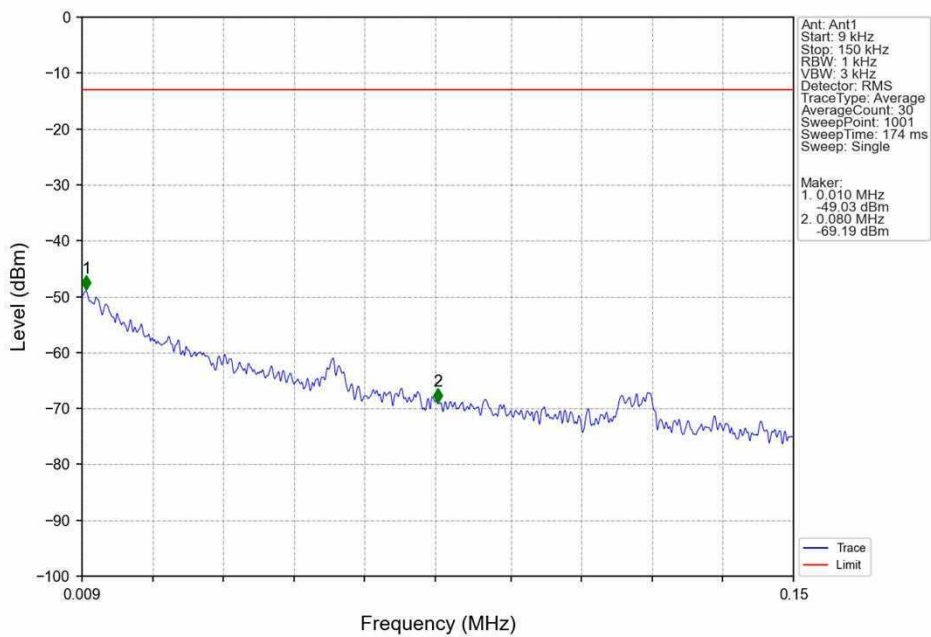
Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTN



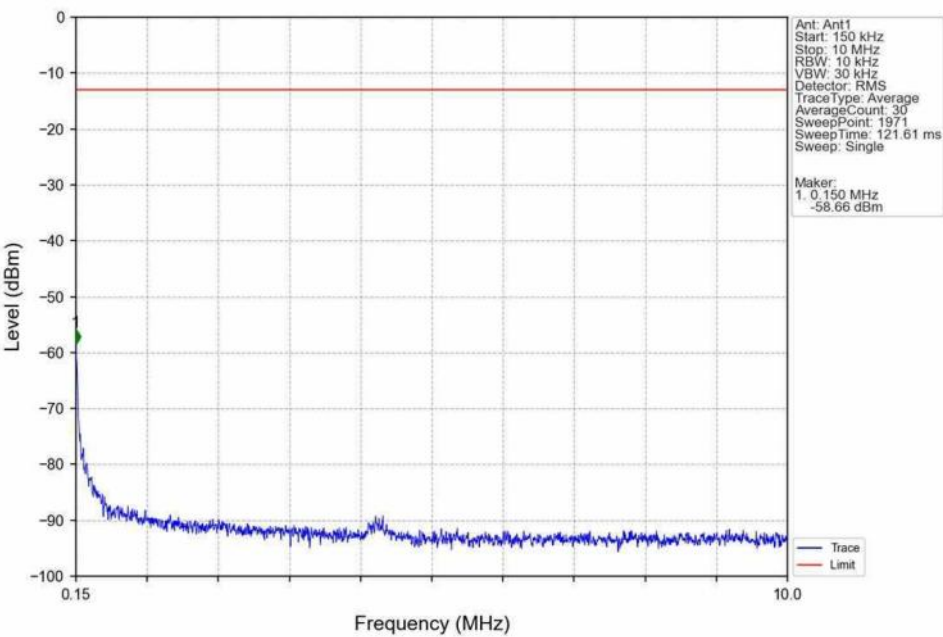
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



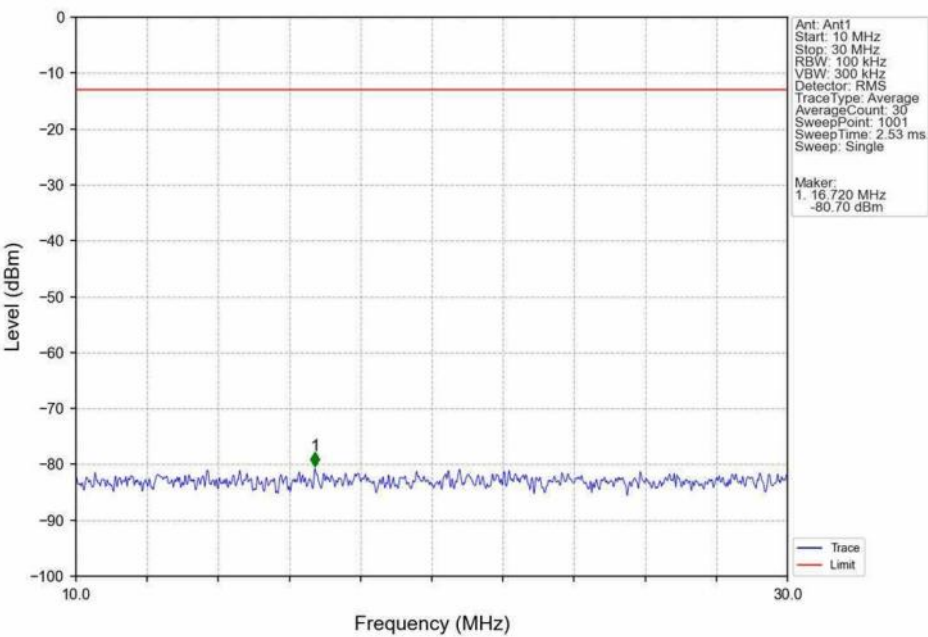
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



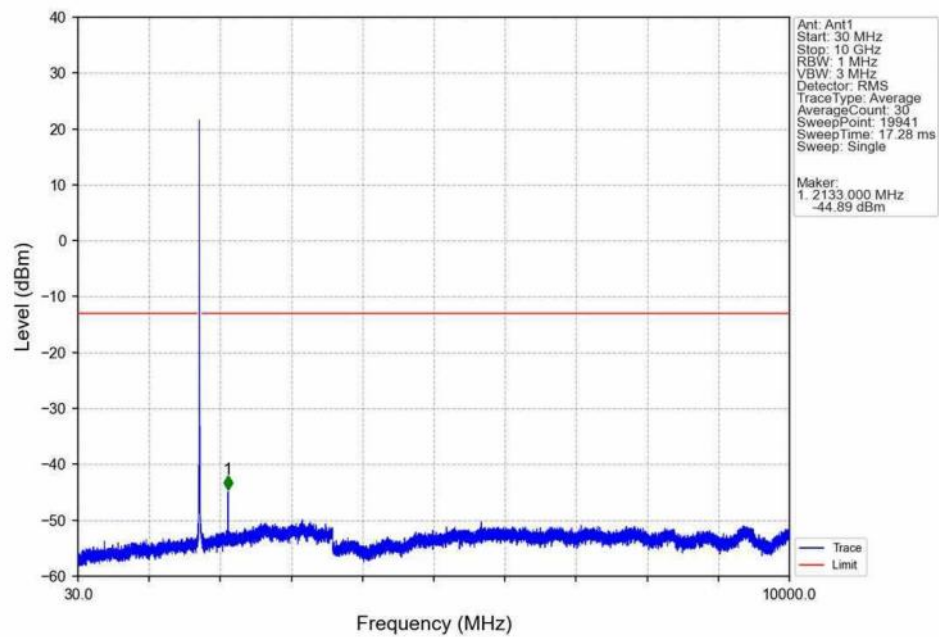
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



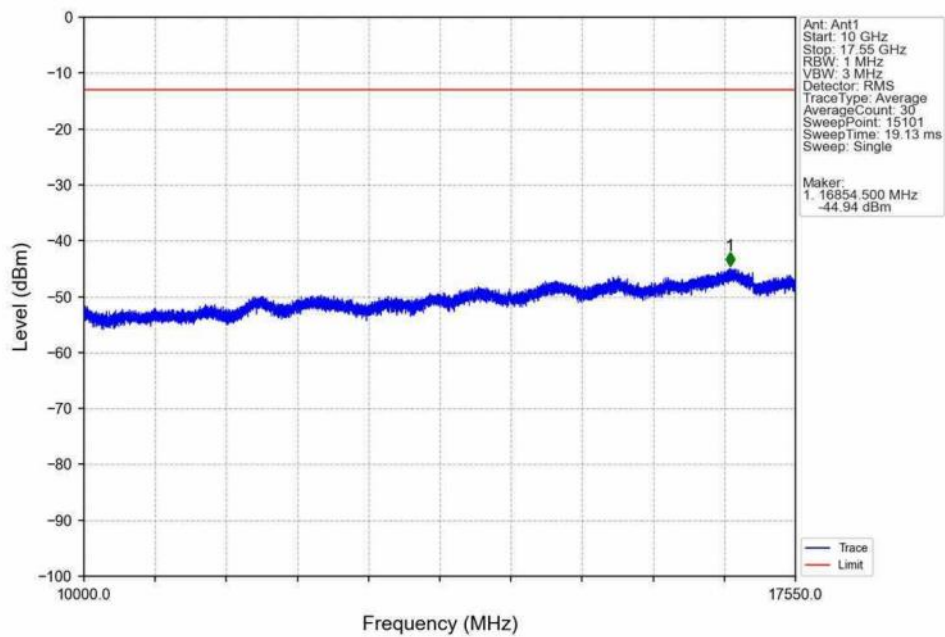
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



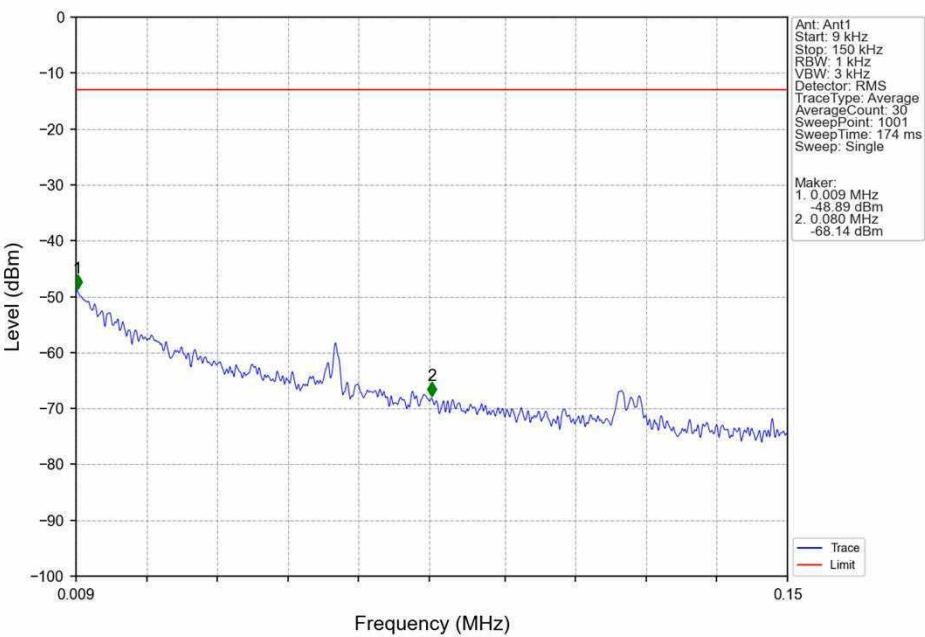
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



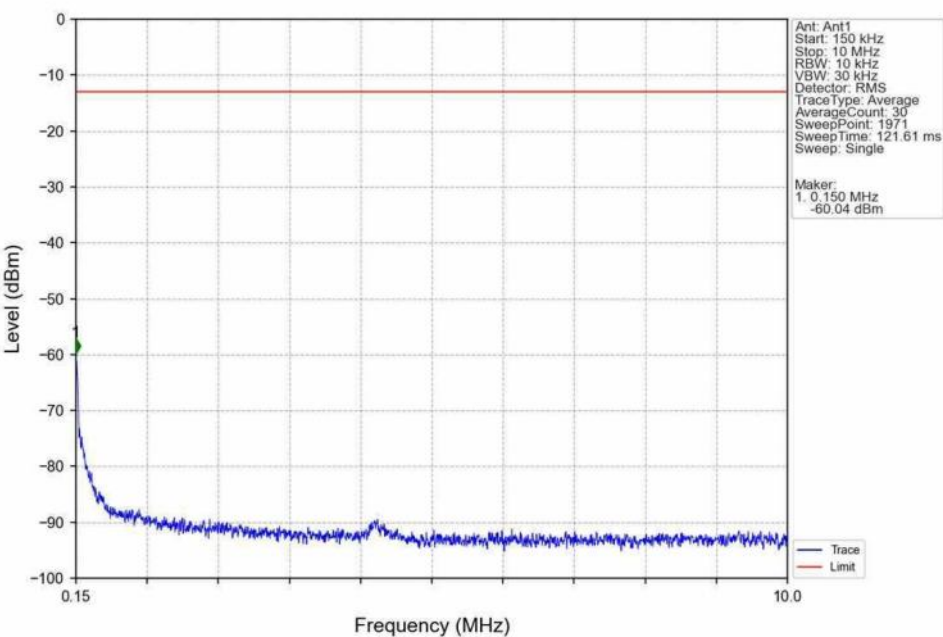
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



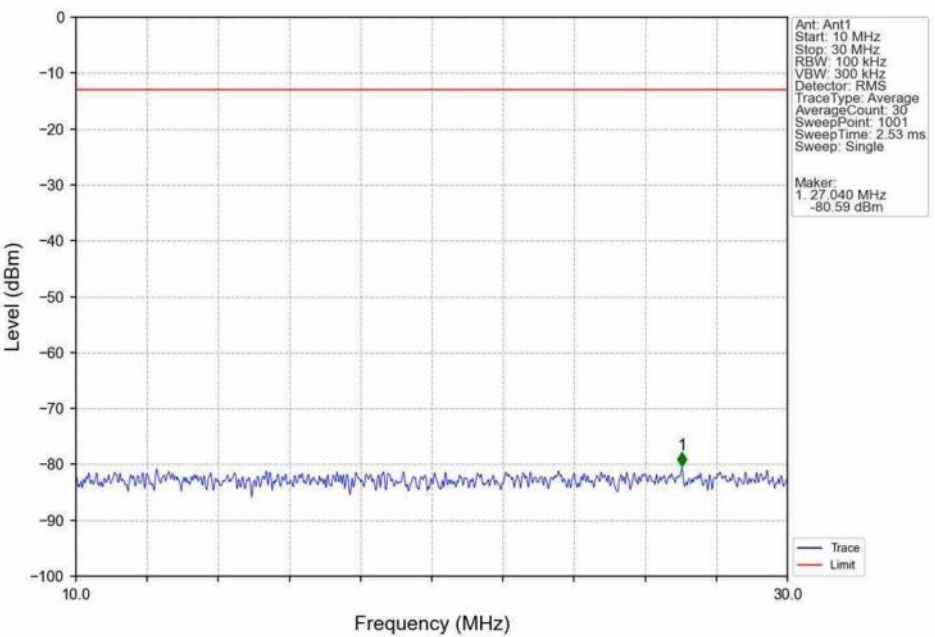
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



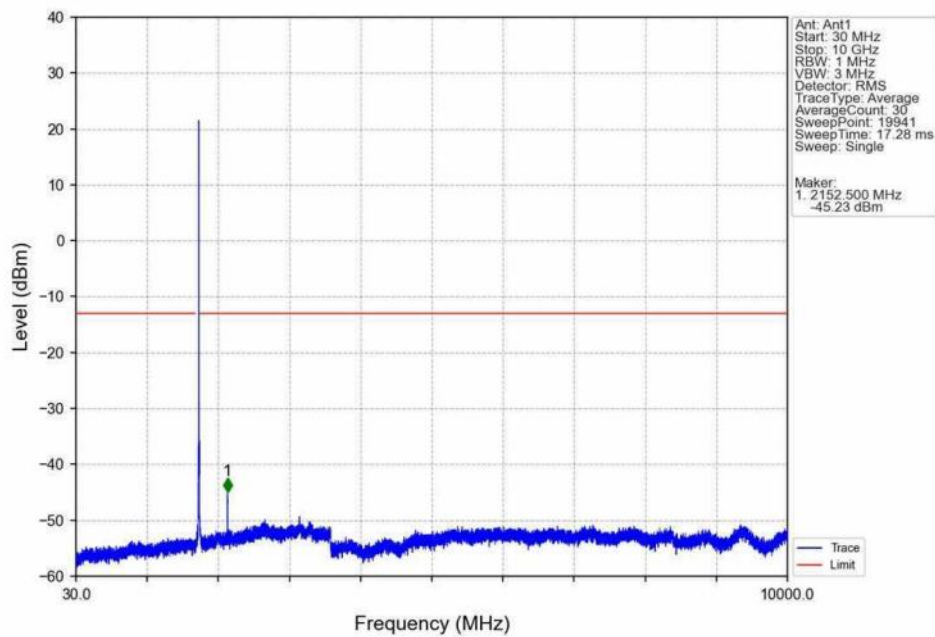
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



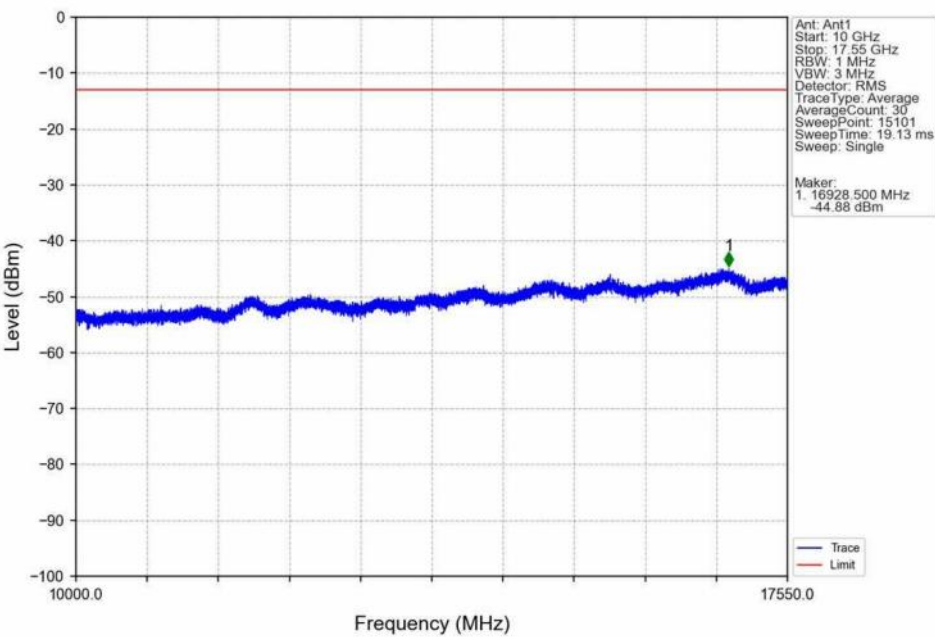
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



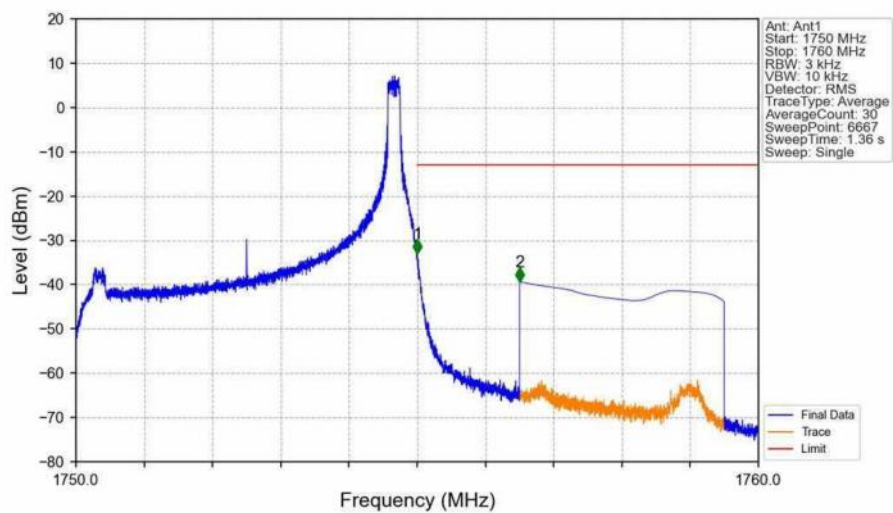
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTNV

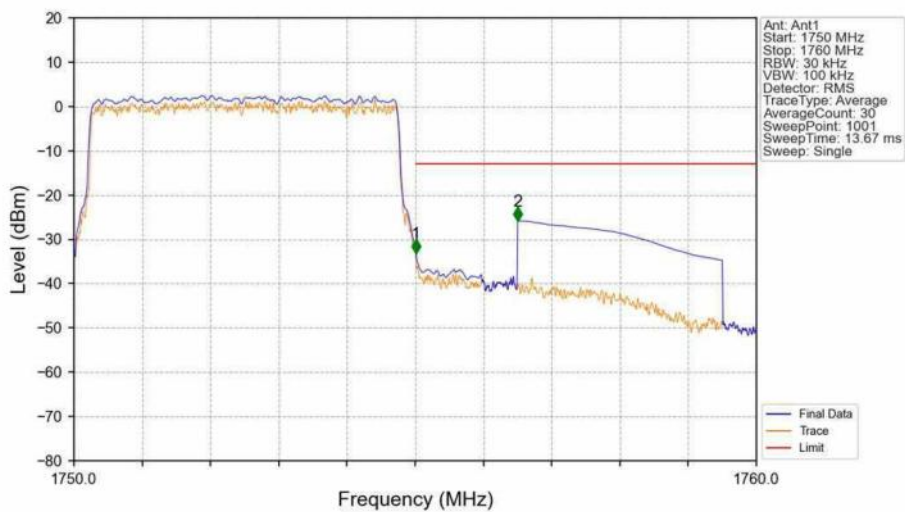


Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTNV



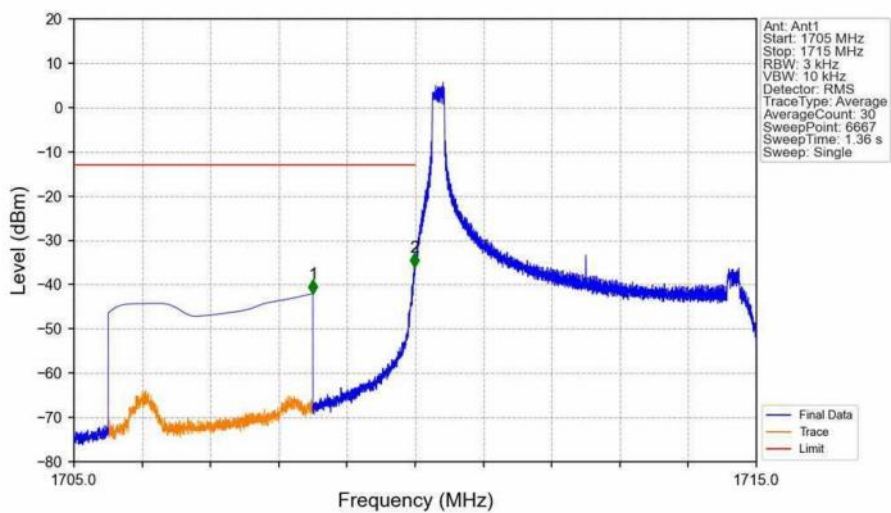
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-32.98	-13	Pass
1756	1760	1	CHP	2	1756.500	-39.38	-13	Pass

Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV



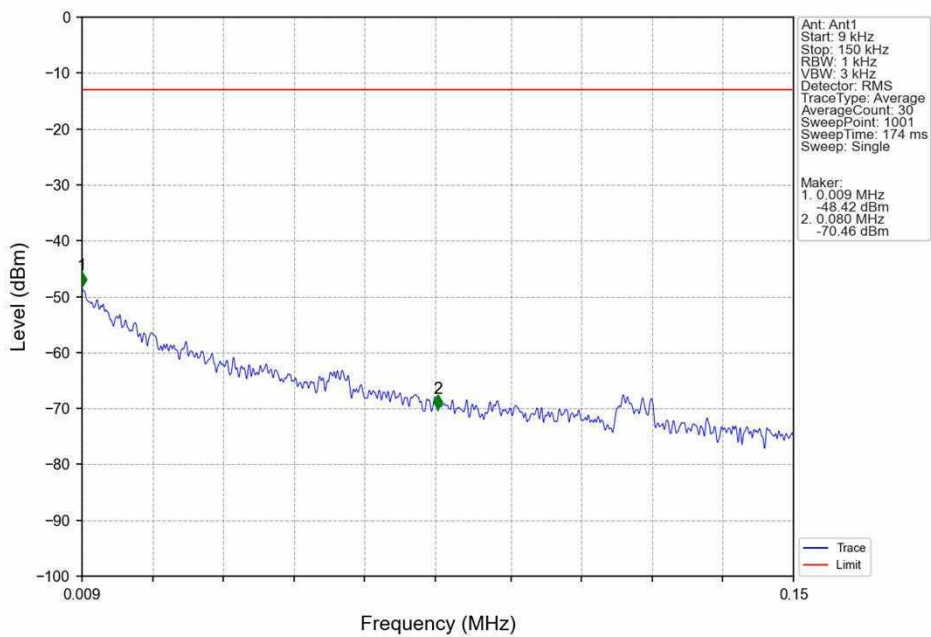
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	CHP	/	/	/	/	/
1755	1756	0.051	CHP	1	1755.010	-33.15	-13	Pass
1756	1760	1	CHP	2	1756.500	-25.85	-13	Pass

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



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-42.01	-13	Pass
1709	1710	0.003	/	2	1709.988	-36.03	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

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



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

