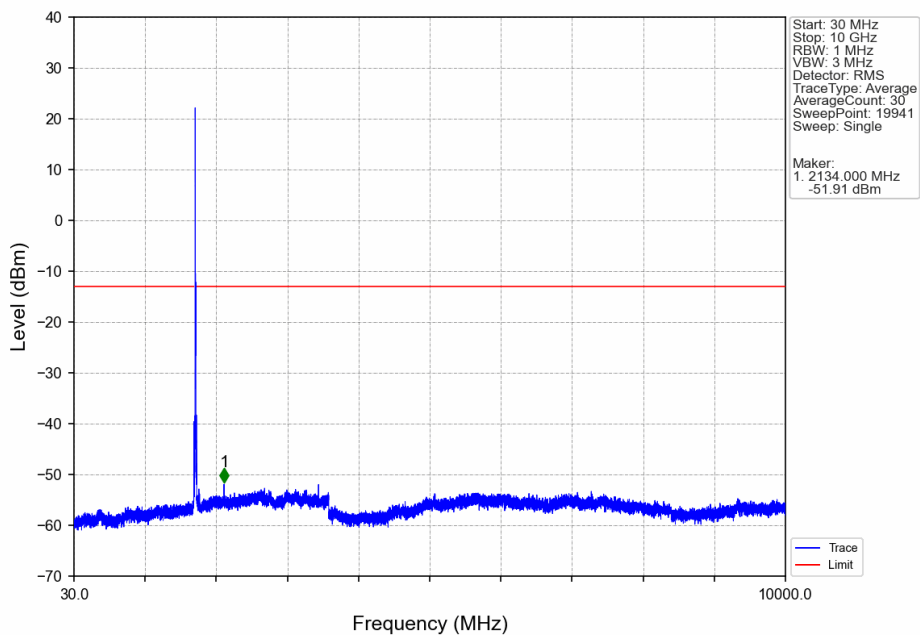
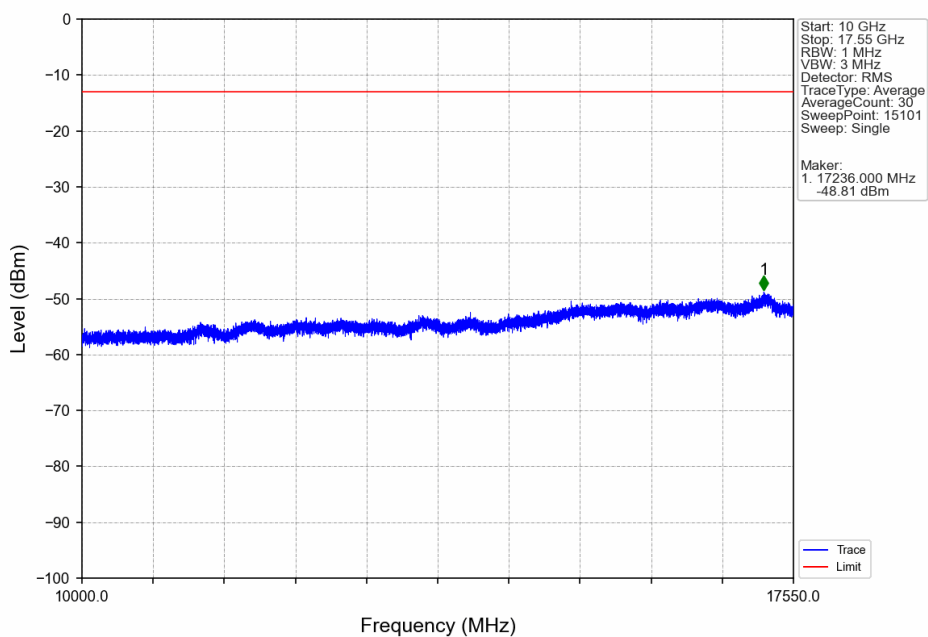


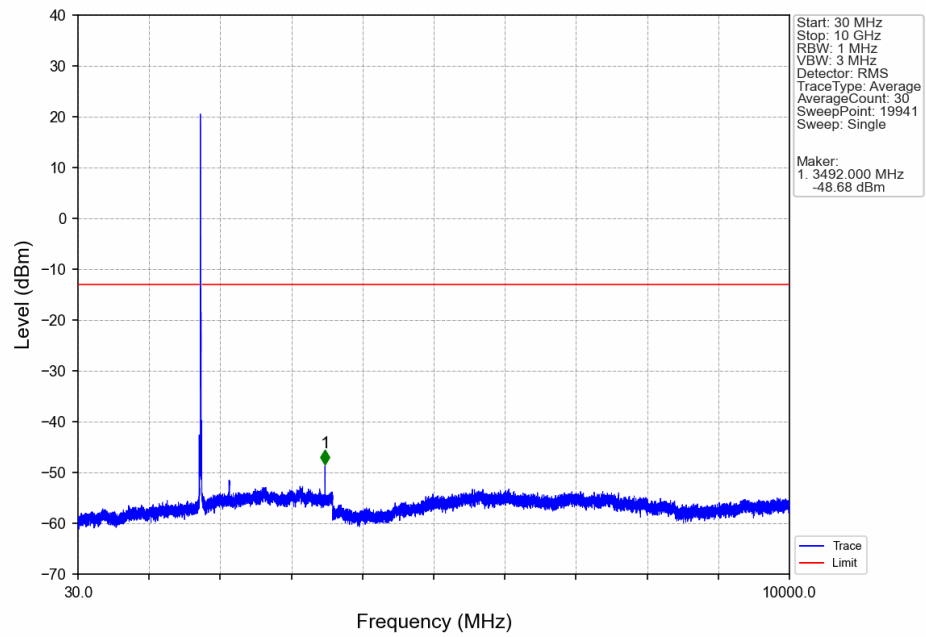
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



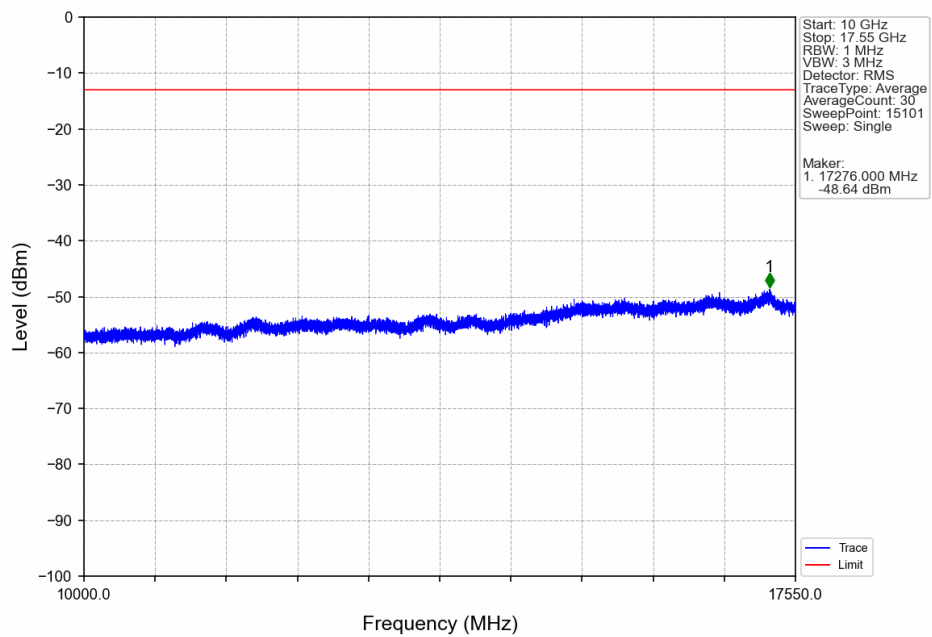
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



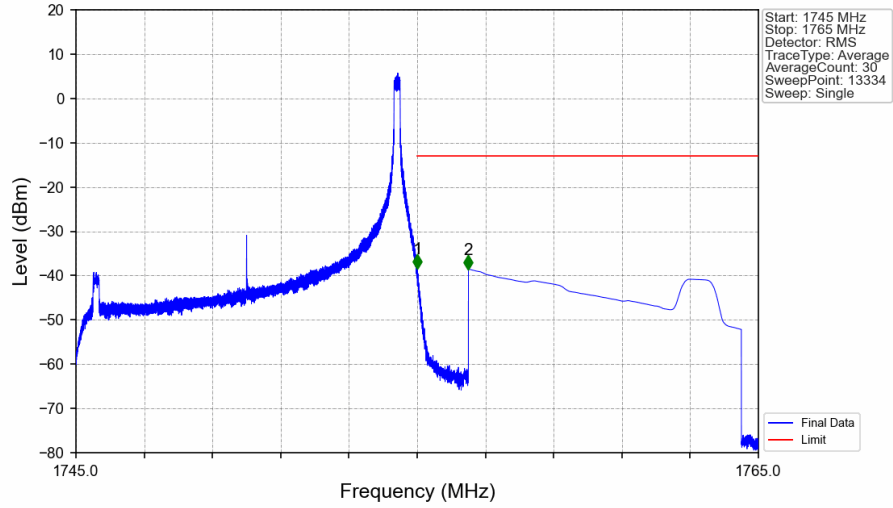
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



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

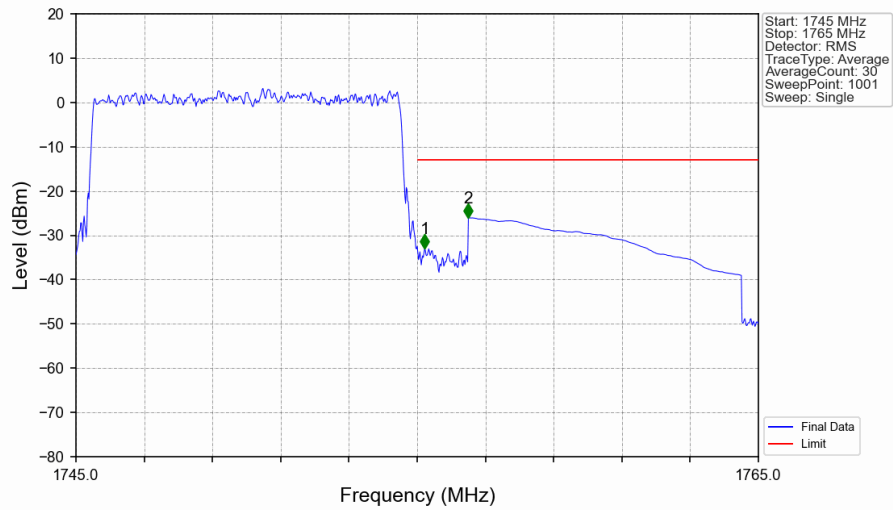


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



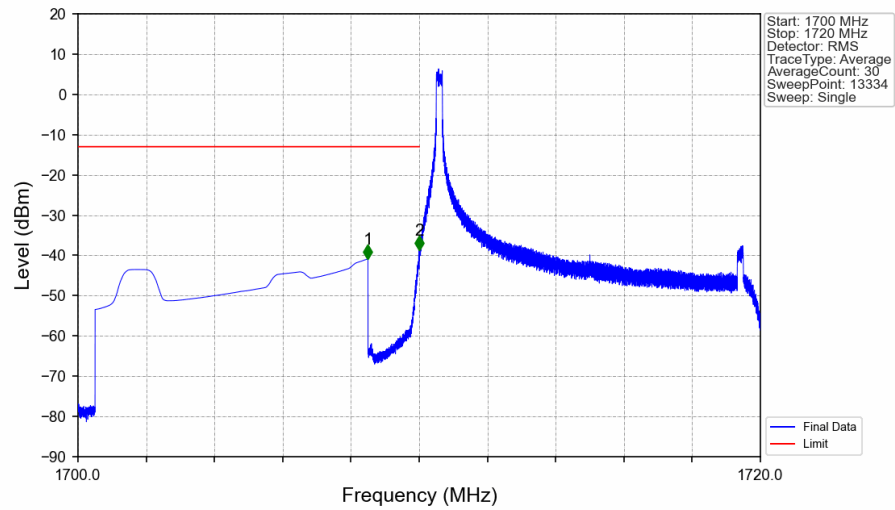
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.004	-38.33	-13	Pass
1756	1765	1	CHP	2	1756.501	-38.52	-13	Pass

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



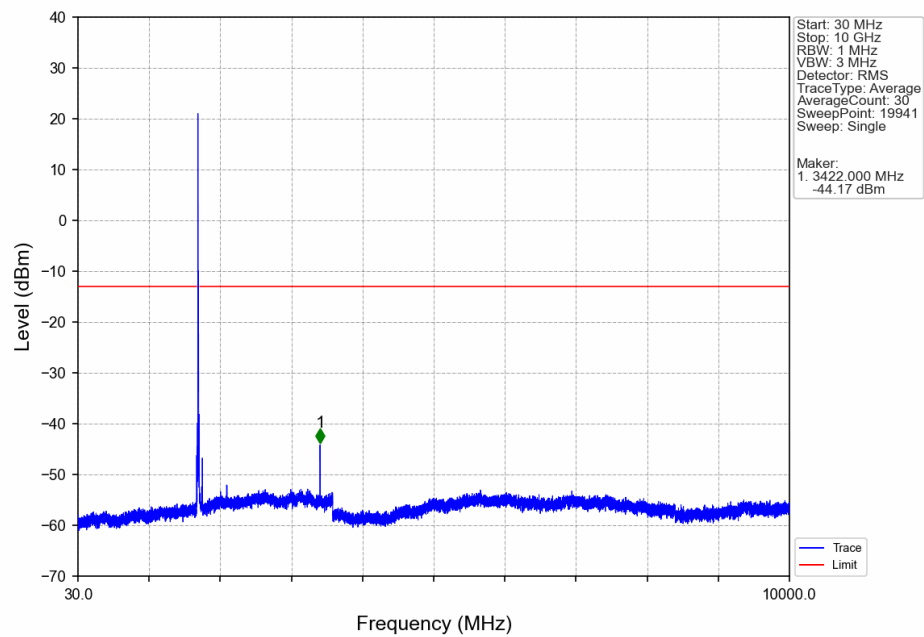
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.220	-33.01	-13	Pass
1756	1765	1	CHP	2	1756.500	-25.98	-13	Pass

Band4 10MHz 64QAM LCH 1715MHz RB 1 0 NTNV

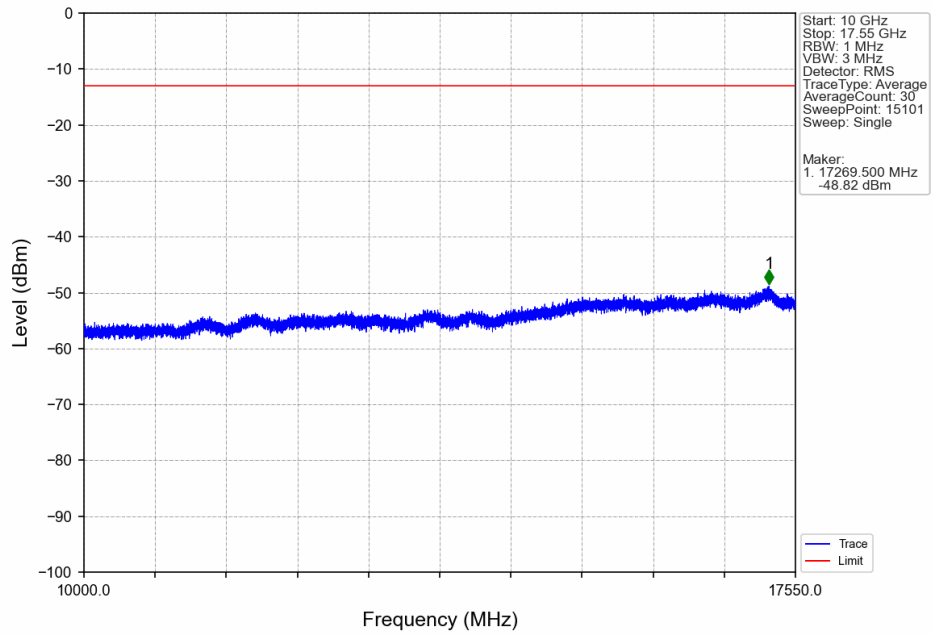


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.498	-40.86	-13	Pass
1709	1710	0.003	/	2	1709.999	-38.67	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

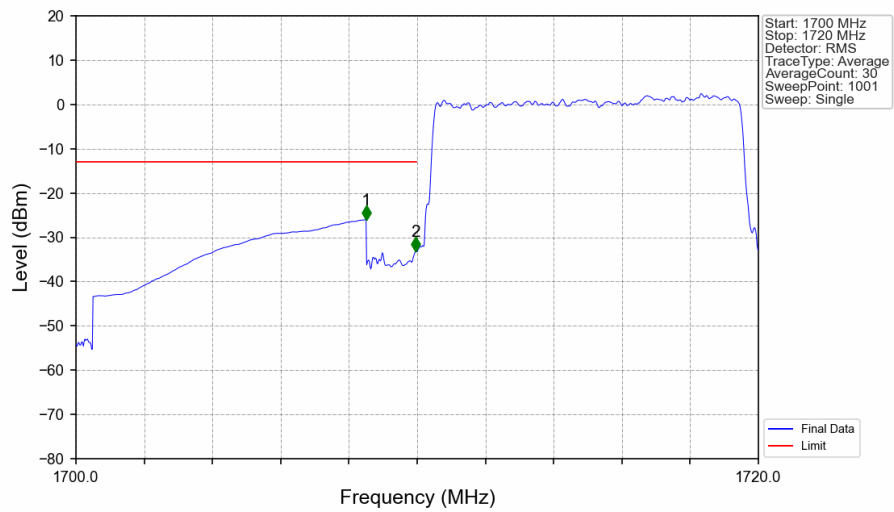
Band4 10MHz 64QAM LCH 1715MHz RB 1 0 NTNV



Band4 10MHz 64QAM LCH 1715MHz RB 1 0 NTNV

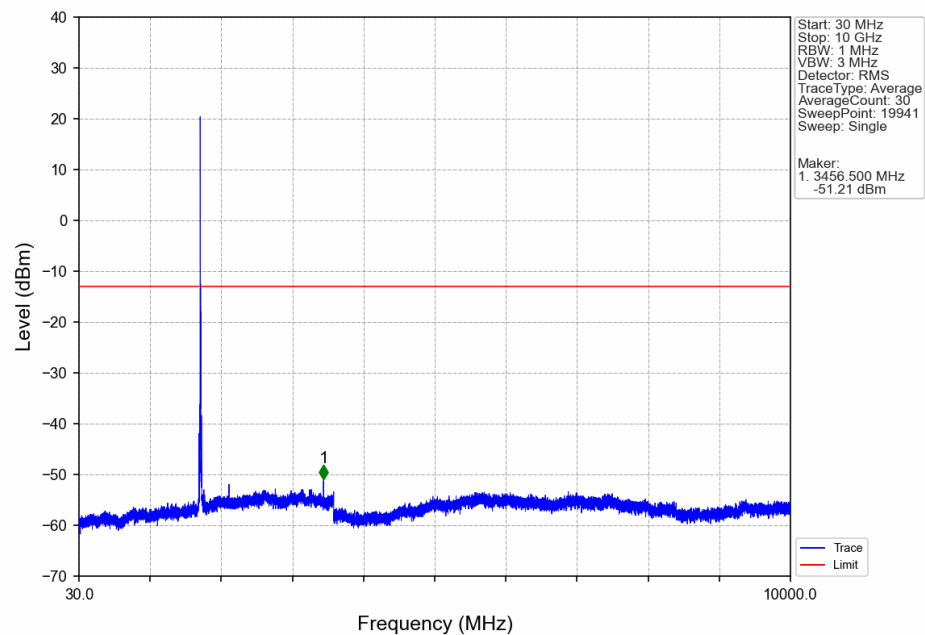


Band4 10MHz 64QAM LCH 1715MHz RB 50 0 NTNV

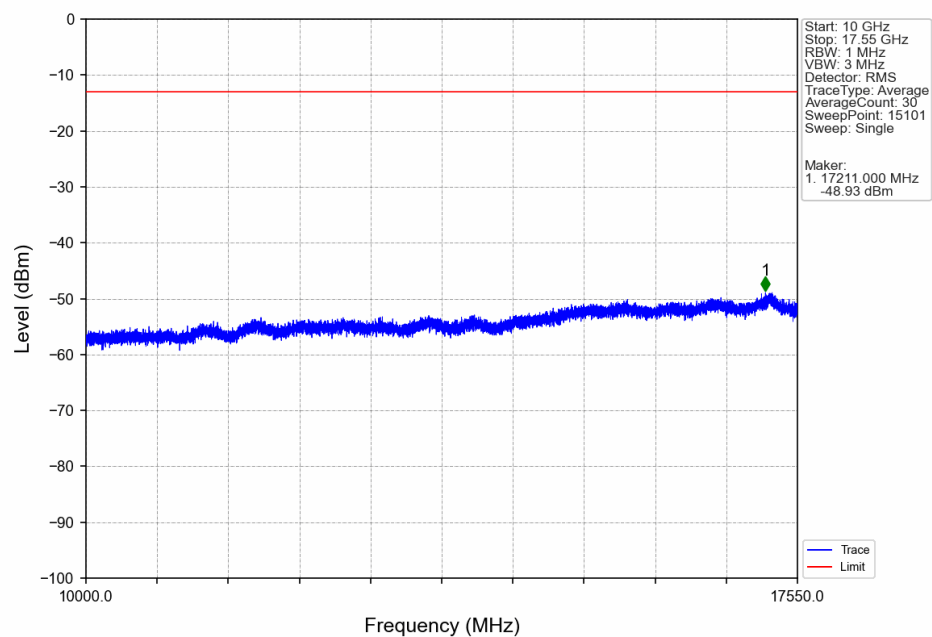


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.500	-25.98	-13	Pass
1709	1710	0.101	CHP	2	1709.960	-33.09	-13	Pass
1710	1720	0.101	CHP	/	/	/	/	/

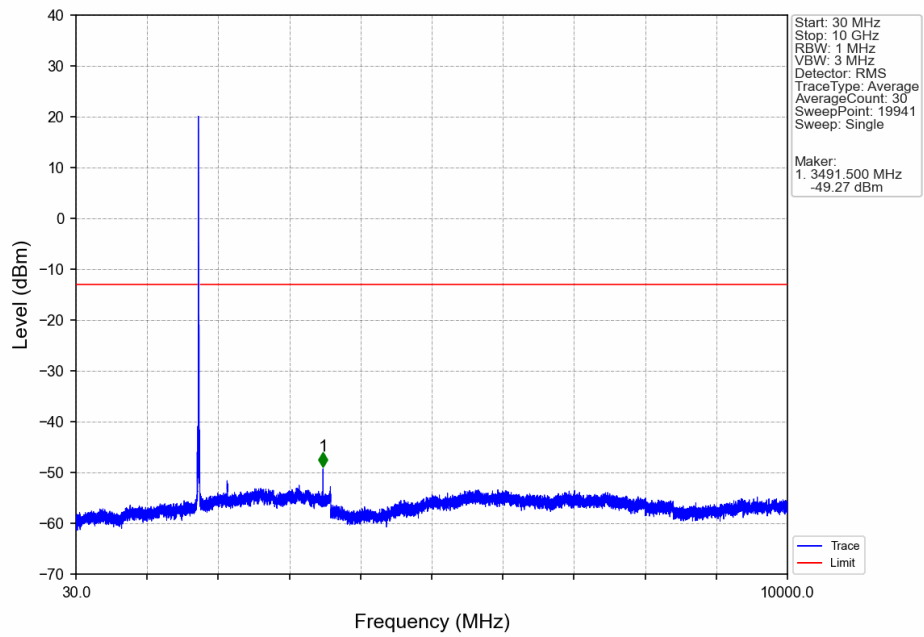
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



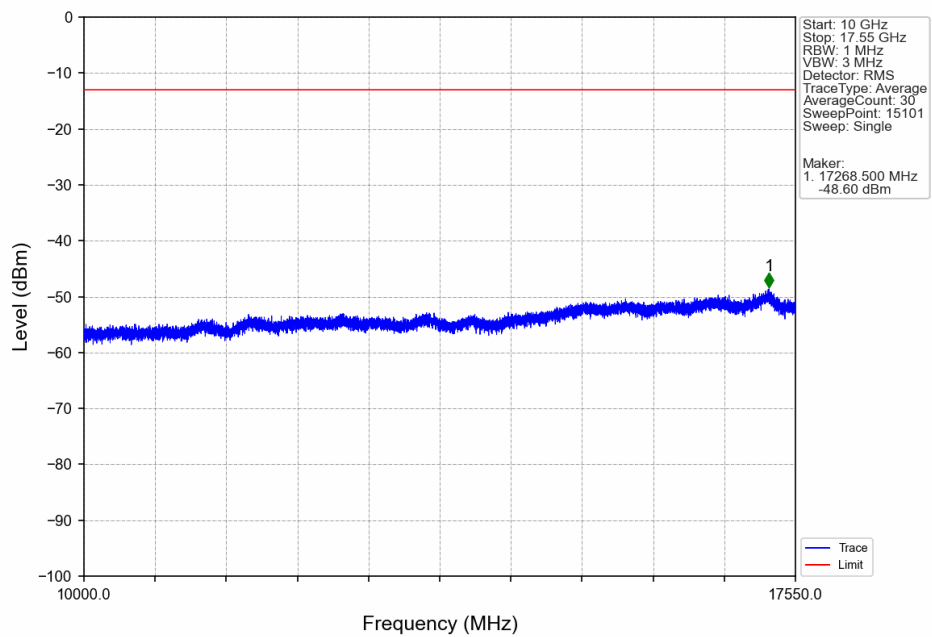
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



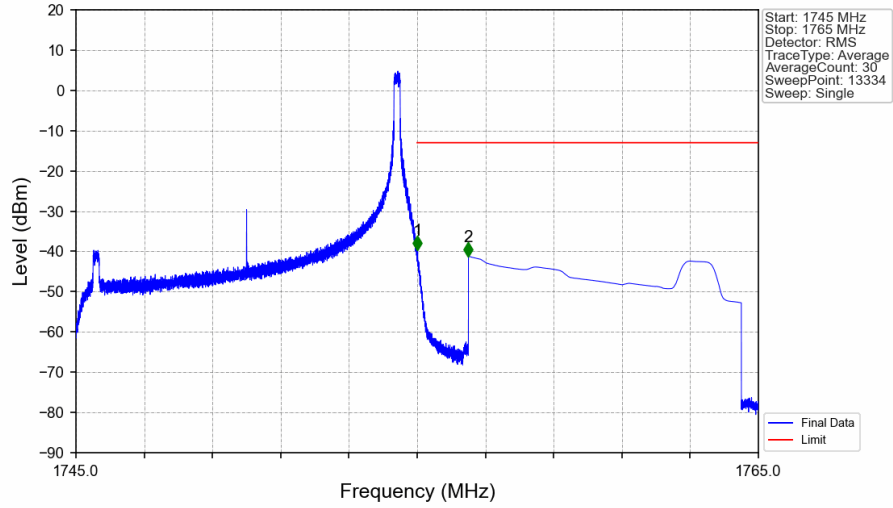
Band4 10MHz 64QAM HCH 1750MHz RB 1 0 NTNV



Band4 10MHz 64QAM HCH 1750MHz RB 1 0 NTNV

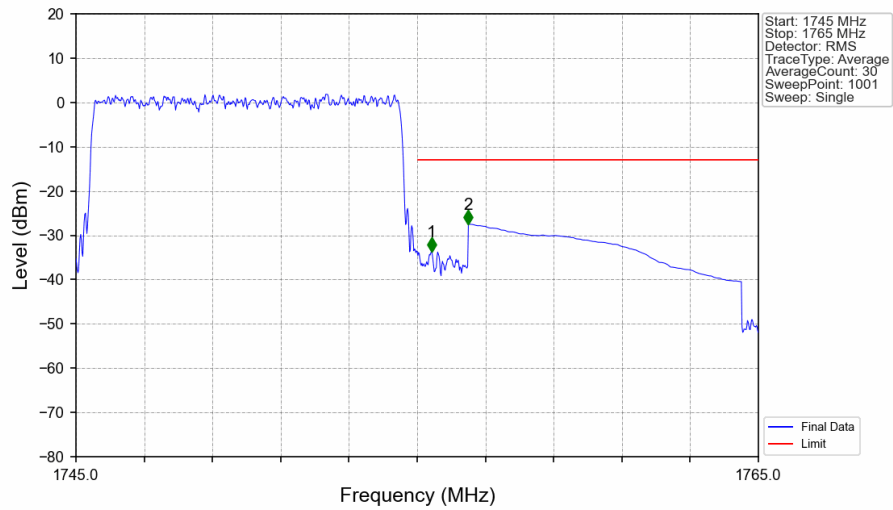


Band4_10MHz_64QAM_HCH_1750MHz_RB_1_49_NTNV



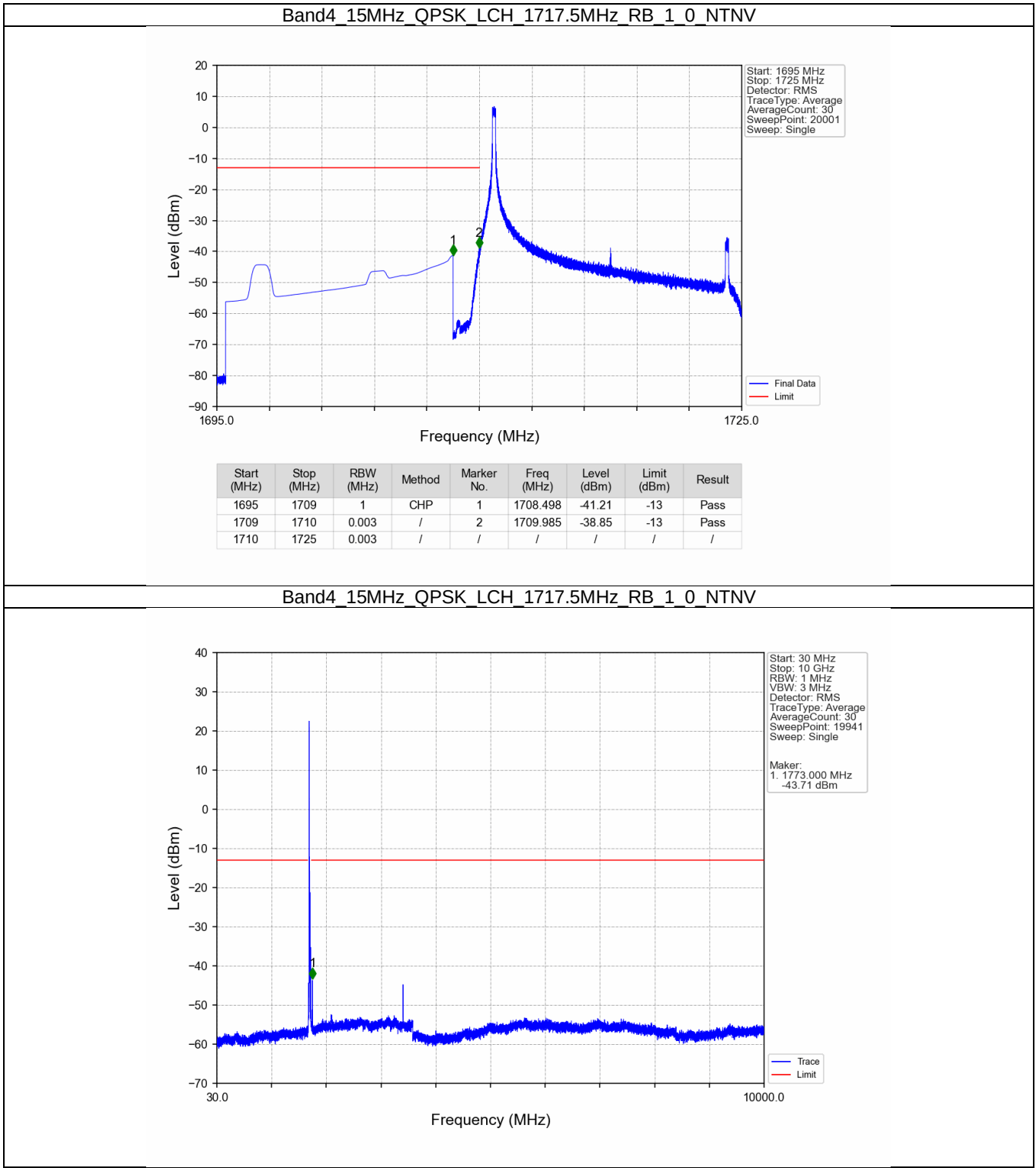
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-39.70	-13	Pass
1756	1765	1	CHP	2	1756.501	-41.21	-13	Pass

Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV

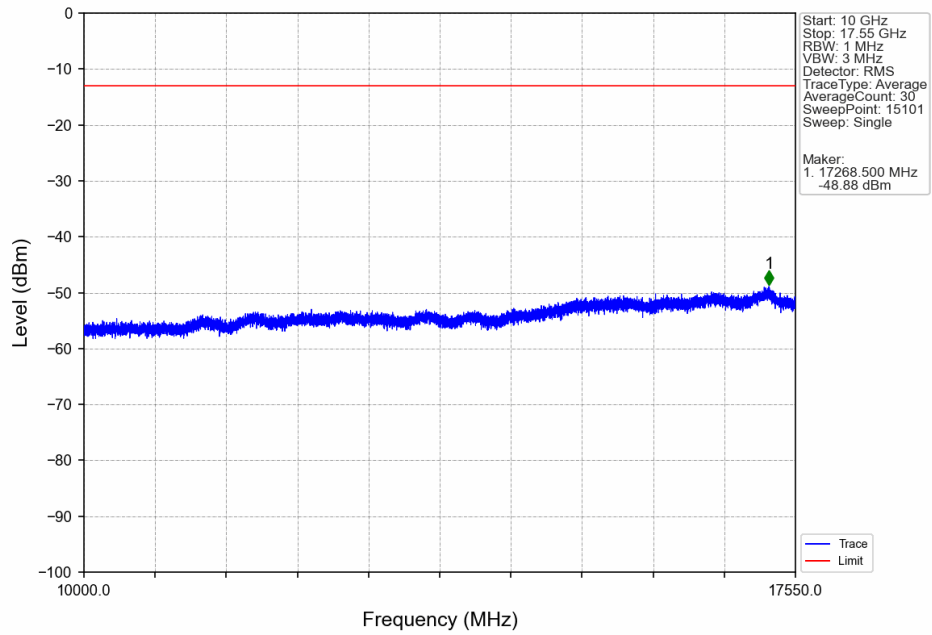


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.420	-33.62	-13	Pass
1756	1765	1	CHP	2	1756.500	-27.42	-13	Pass

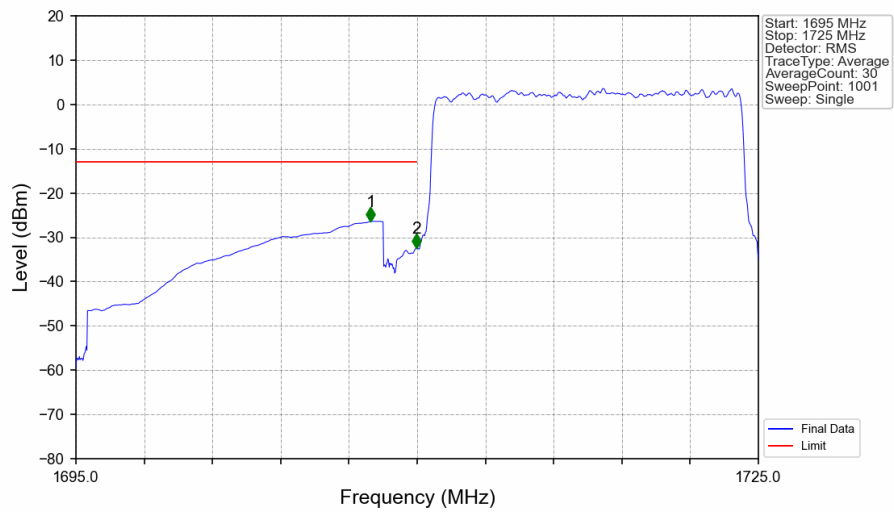
5.2.5 B4_15MHz



Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTV

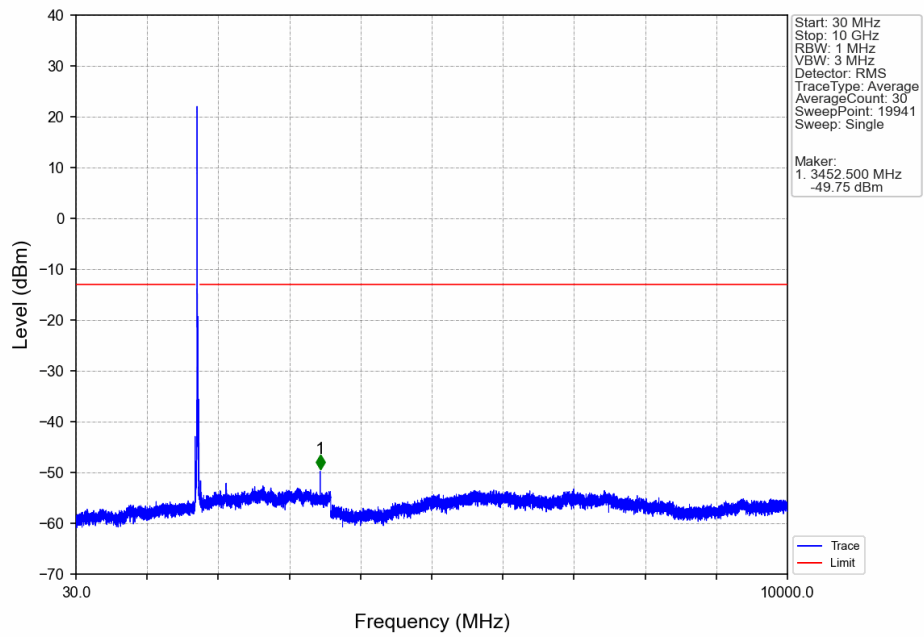


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTV

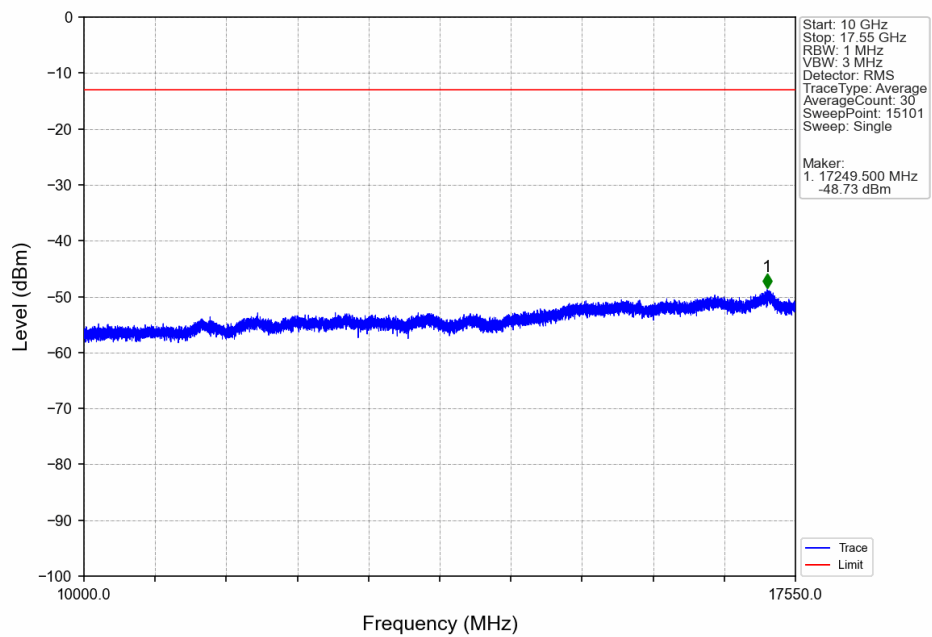


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.960	-26.37	-13	Pass
1709	1710	0.152	CHP	2	1709.970	-32.40	-13	Pass
1710	1725	0.152	CHP	/	/	/	/	/

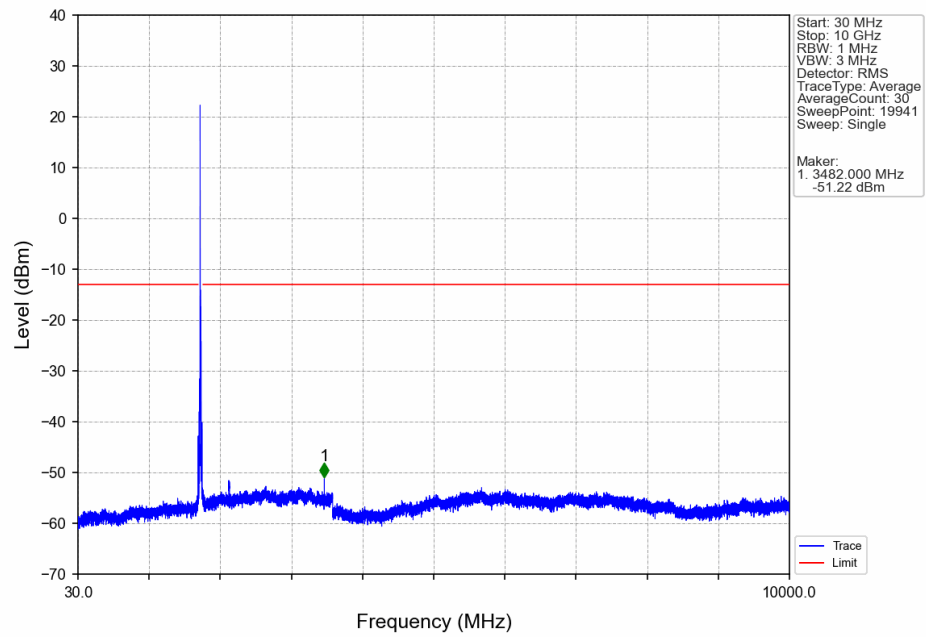
Band4 15MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



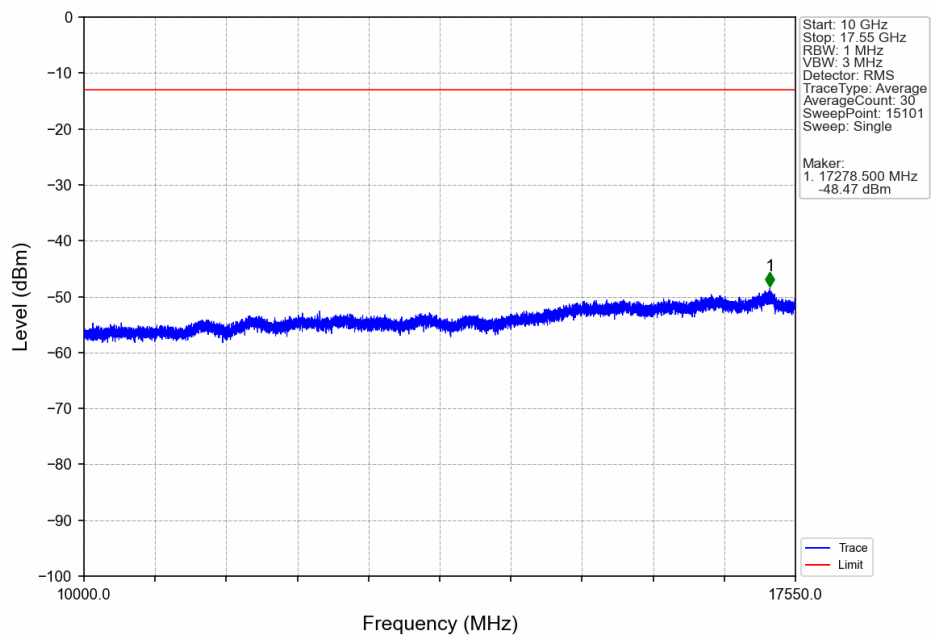
Band4 15MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



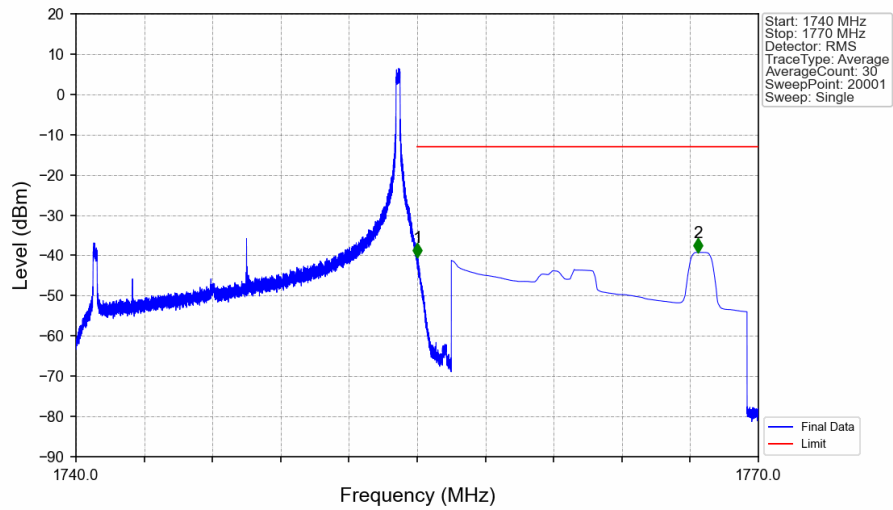
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTNV



Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTNV

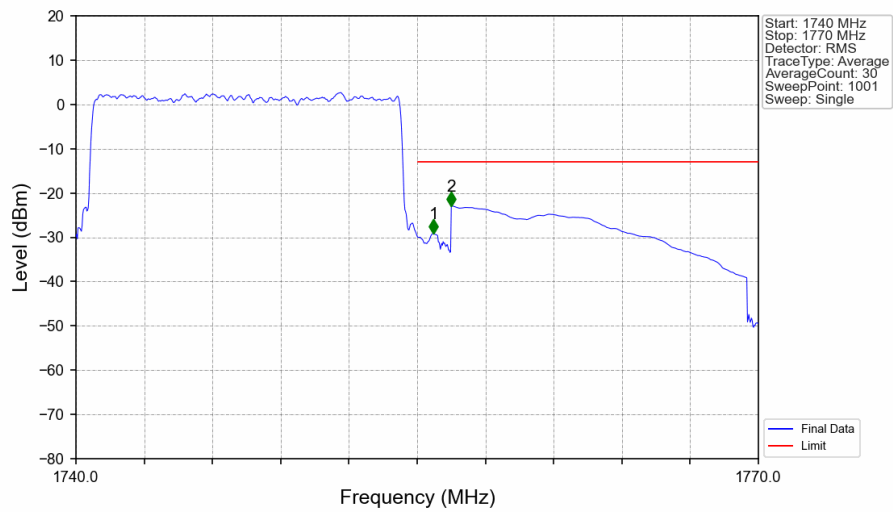


Band4 15MHz QPSK HCH 1747.5MHz RB 1 74 NTNV



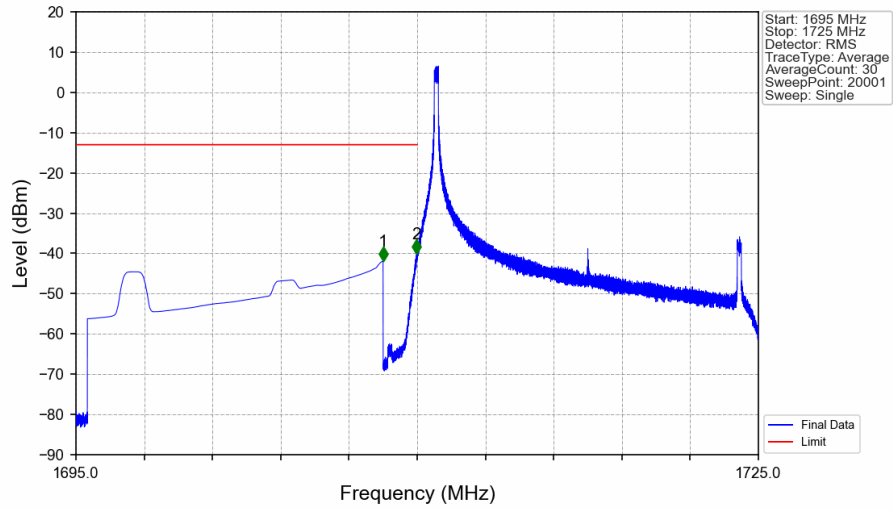
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.016	-40.39	-13	Pass
1756	1770	1	CHP	2	1767.348	-39.24	-13	Pass

Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



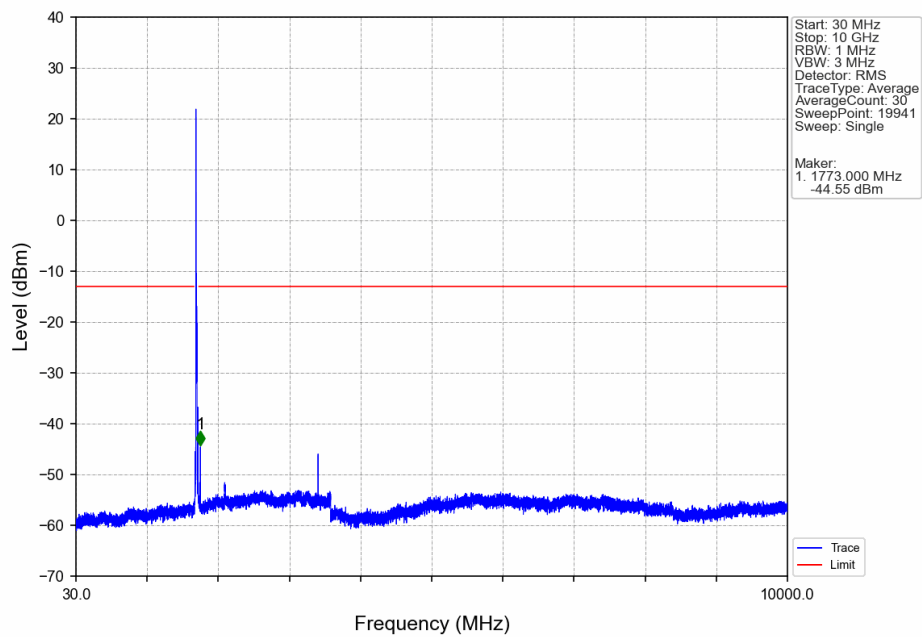
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.153	CHP	/	/	/	/	/
1755	1756	0.153	CHP	1	1755.720	-29.14	-13	Pass
1756	1770	1	CHP	2	1756.500	-22.87	-13	Pass

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

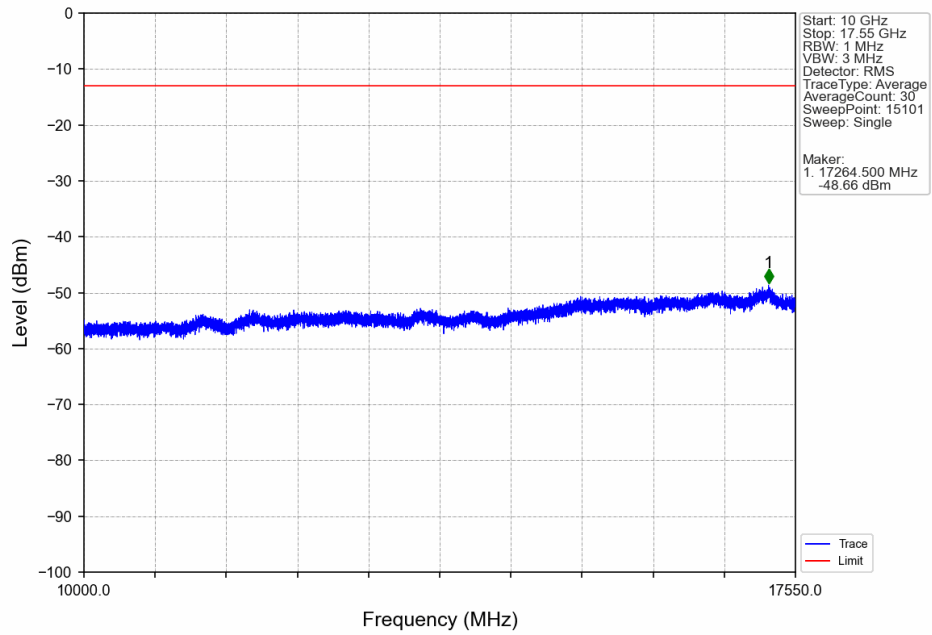


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.500	-41.89	-13	Pass
1709	1710	0.003	/	2	1709.973	-40.04	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

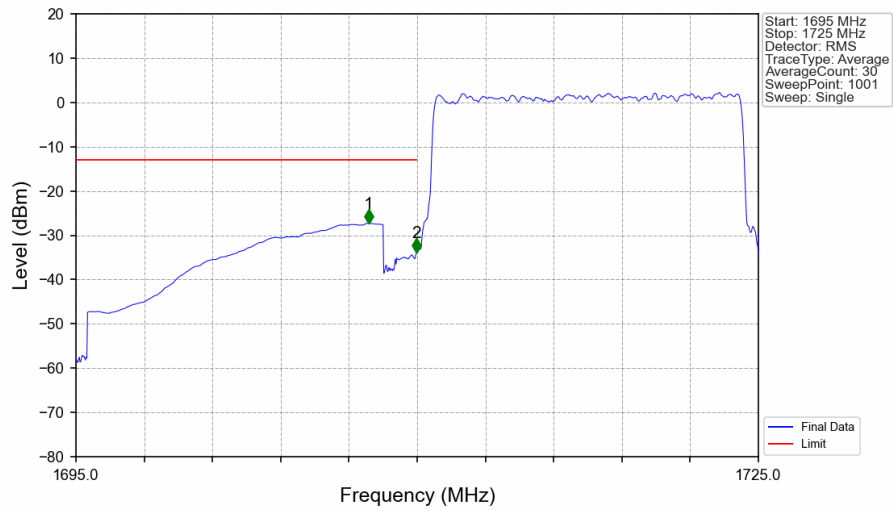
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



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

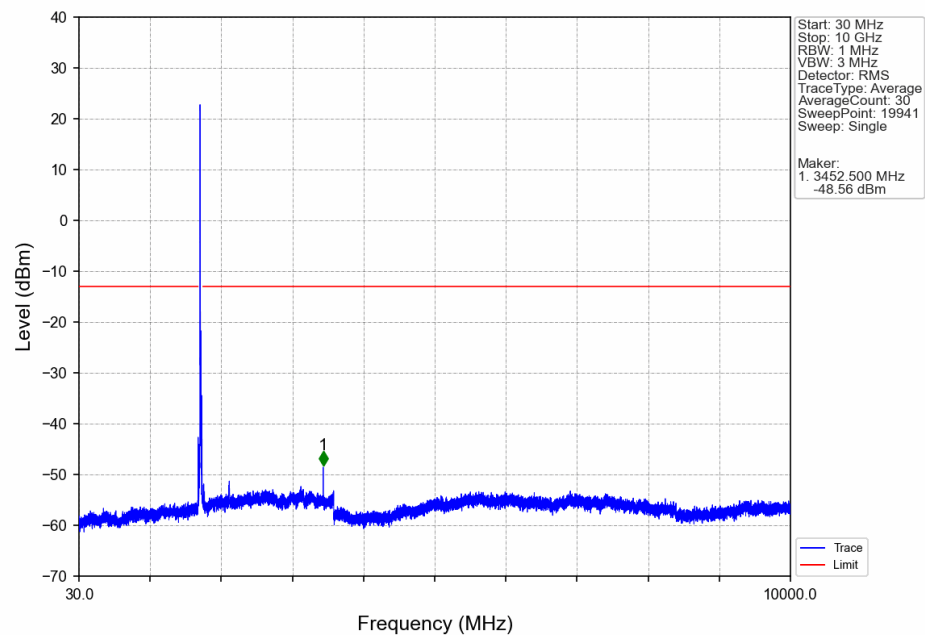


Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV

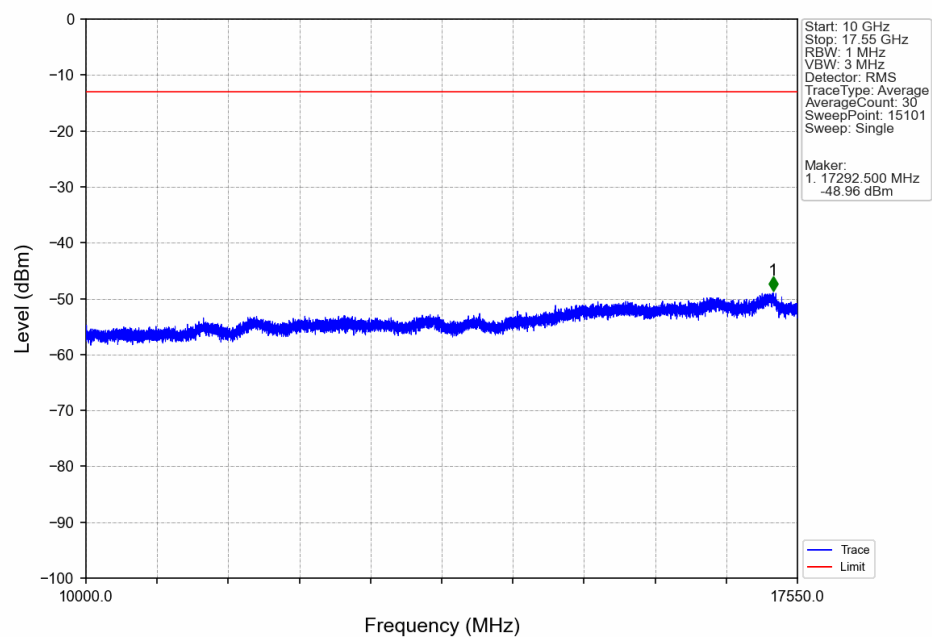


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.870	-27.27	-13	Pass
1709	1710	0.152	CHP	2	1709.970	-33.94	-13	Pass
1710	1725	0.152	CHP	/	/	/	/	/

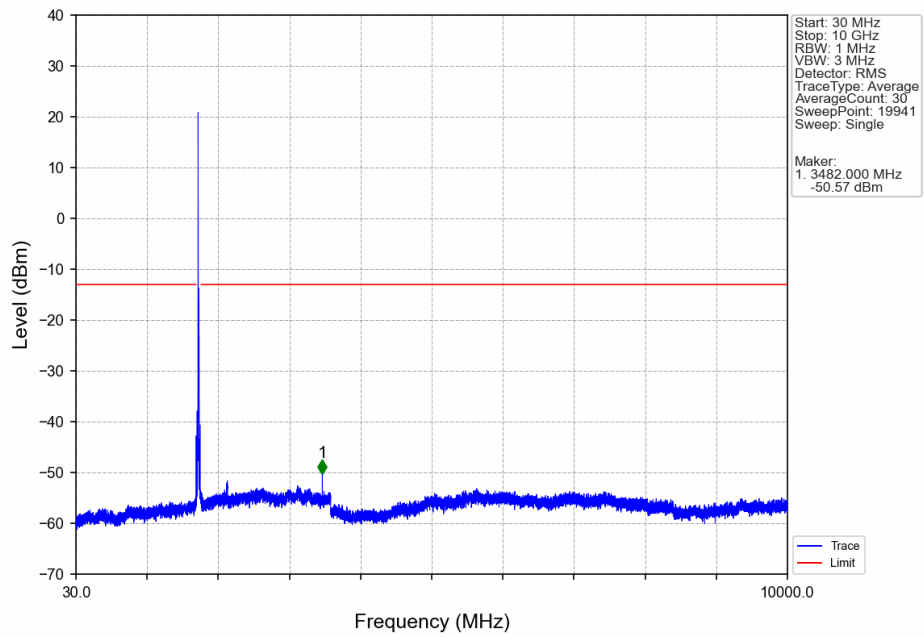
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



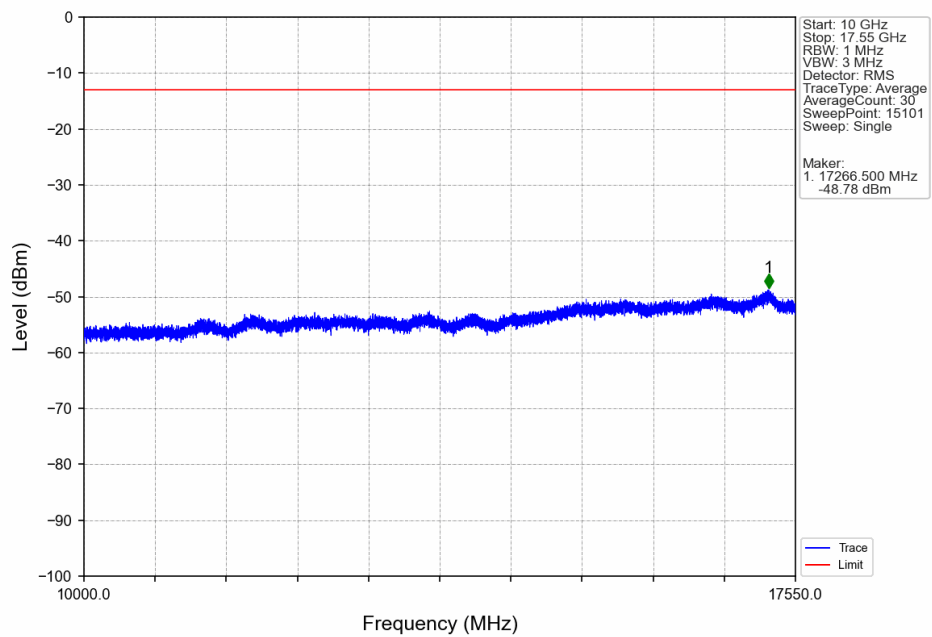
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



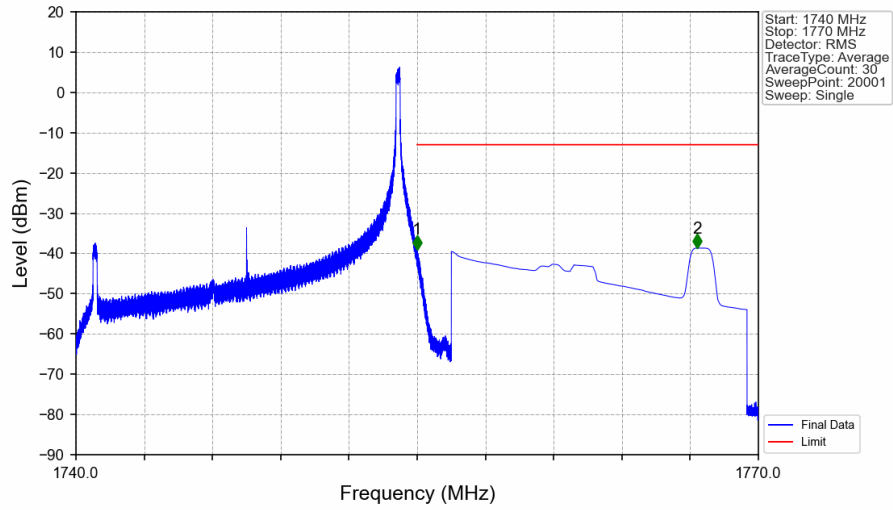
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTNV



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

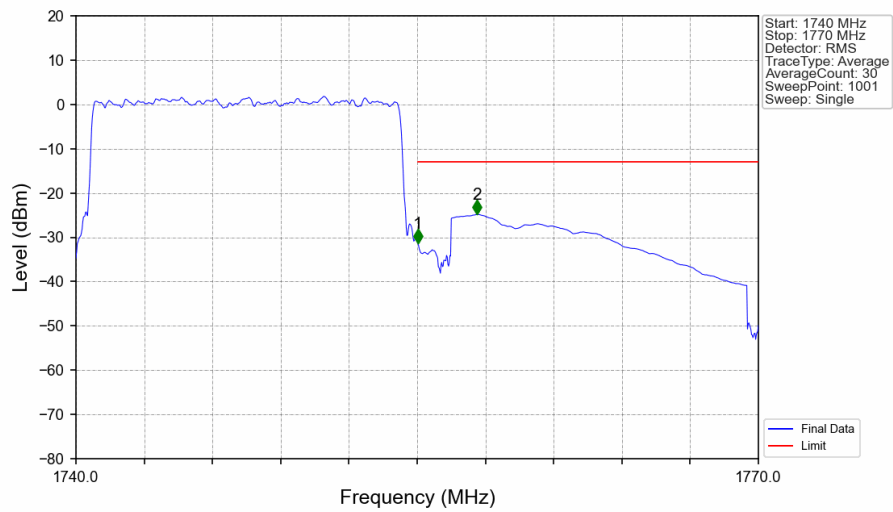


Band4 15MHz 16QAM HCH 1747.5MHz RB 1 74 NTNV



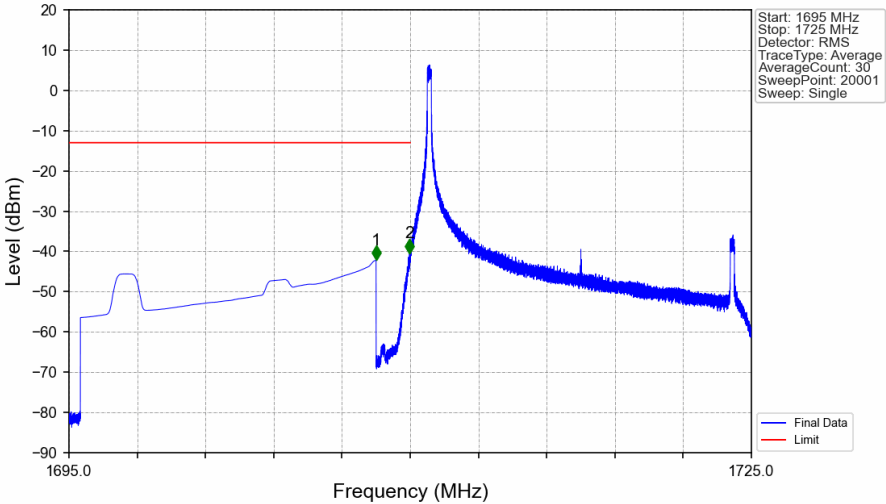
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-38.95	-13	Pass
1756	1770	1	CHP	2	1767.307	-38.68	-13	Pass

Band4 15MHz 16QAM HCH 1747.5MHz RB 75_0 NTNV



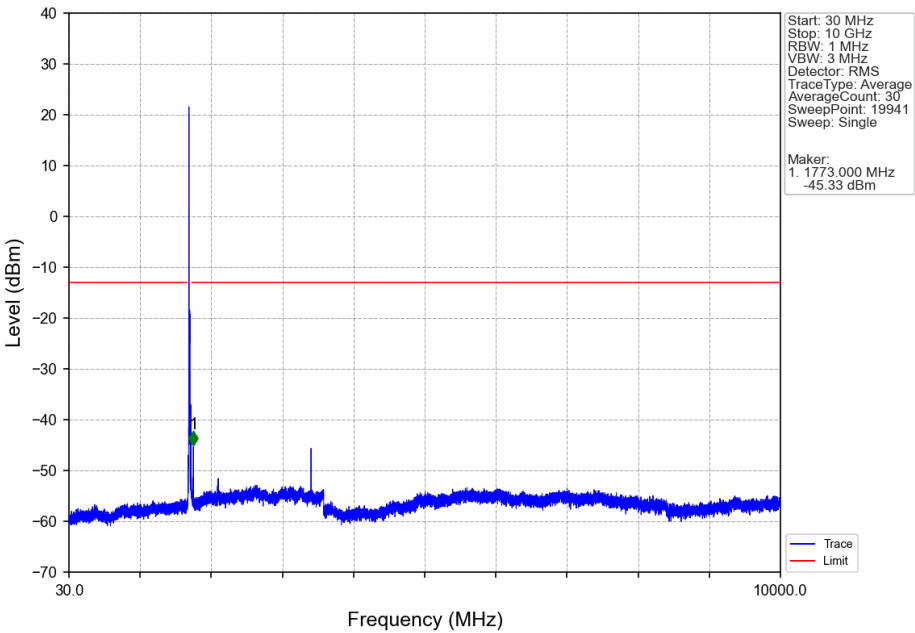
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.153	CHP	/	/	/	/	/
1755	1756	0.153	CHP	1	1755.030	-31.34	-13	Pass
1756	1770	1	CHP	2	1757.640	-24.83	-13	Pass

Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV

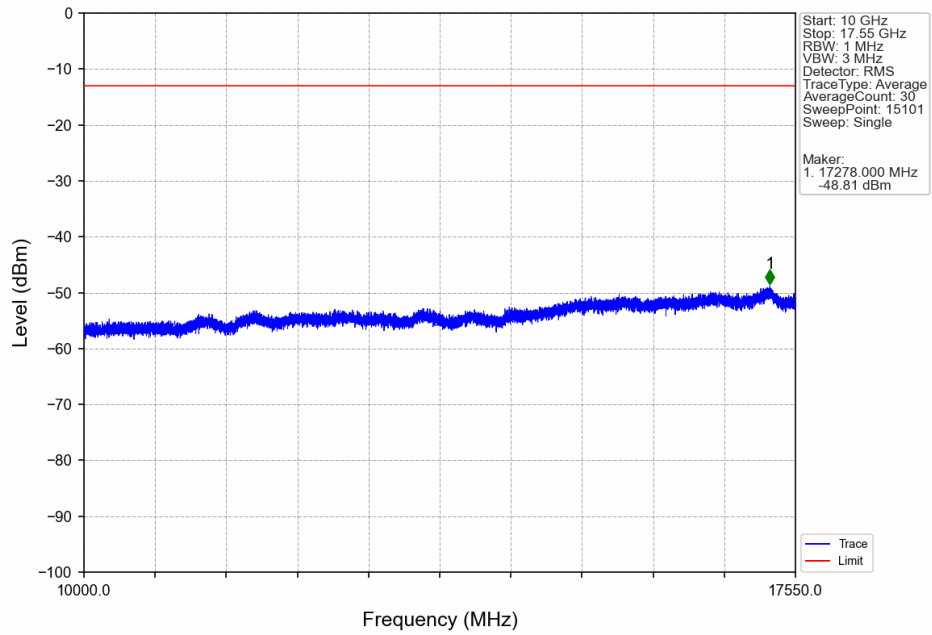


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.497	-42.14	-13	Pass
1709	1710	0.003	/	2	1709.970	-40.35	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

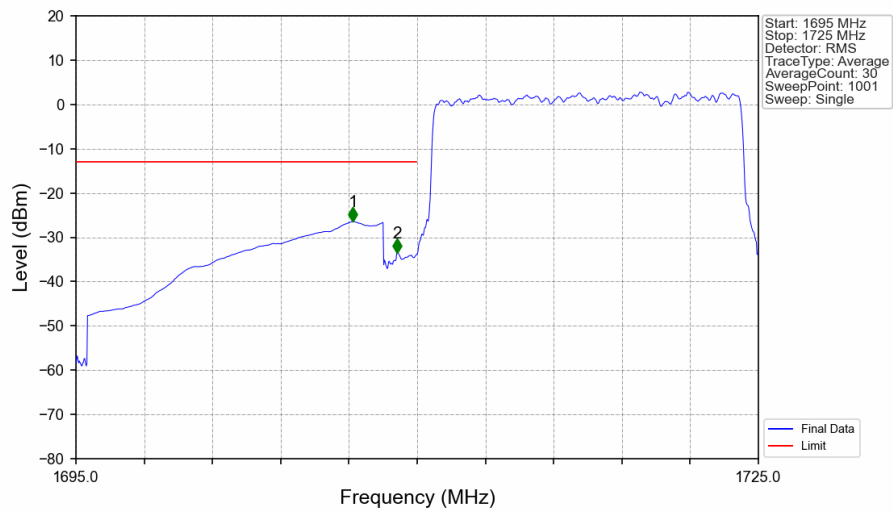
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band4 15MHz 64QAM LCH 1717.5MHz RB 1 0 NTNV

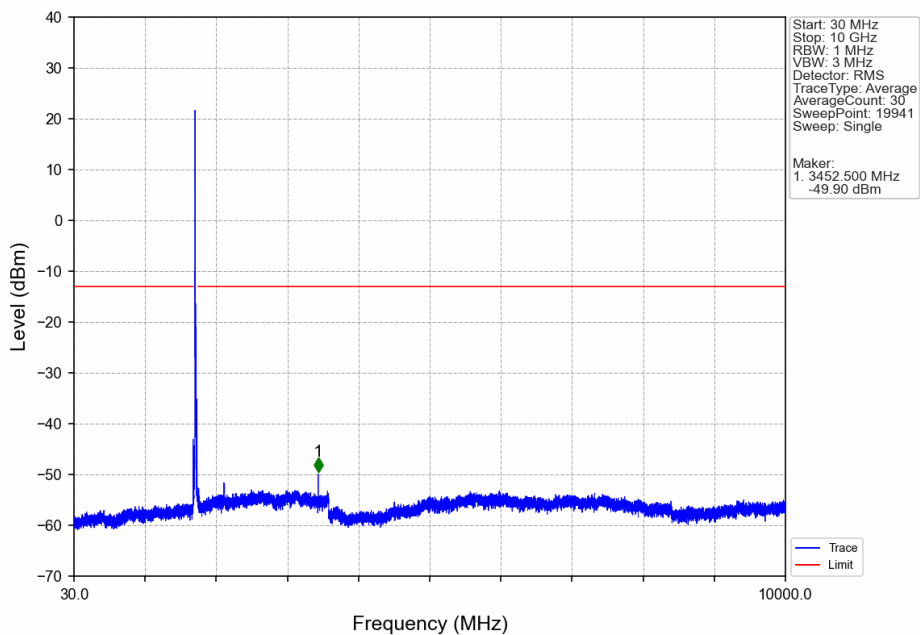


Band4 15MHz 64QAM LCH 1717.5MHz RB 75 0 NTNV

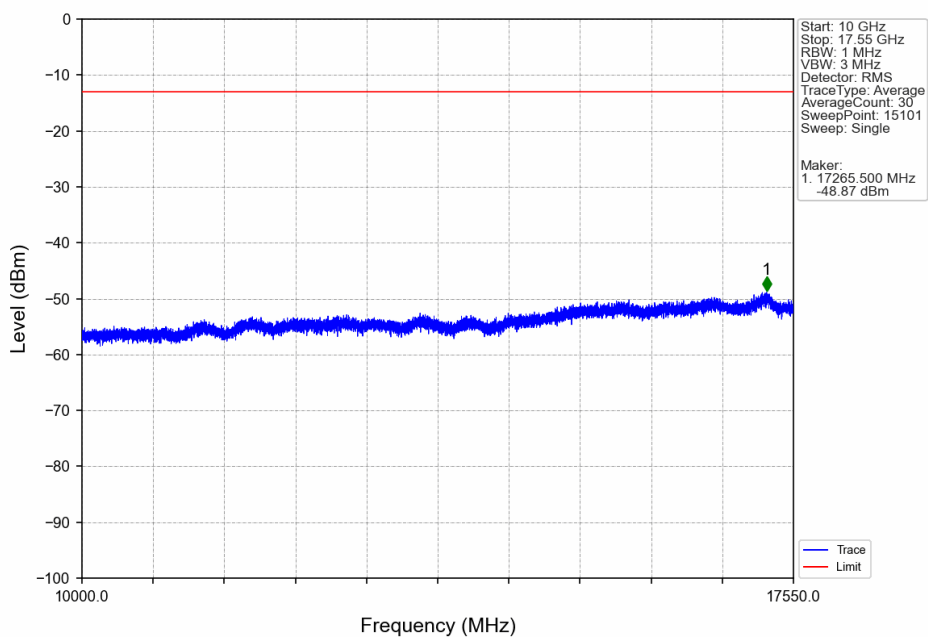


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.180	-26.44	-13	Pass
1709	1710	0.152	CHP	2	1709.130	-33.48	-13	Pass
1710	1725	0.152	CHP	/	/	/	/	/

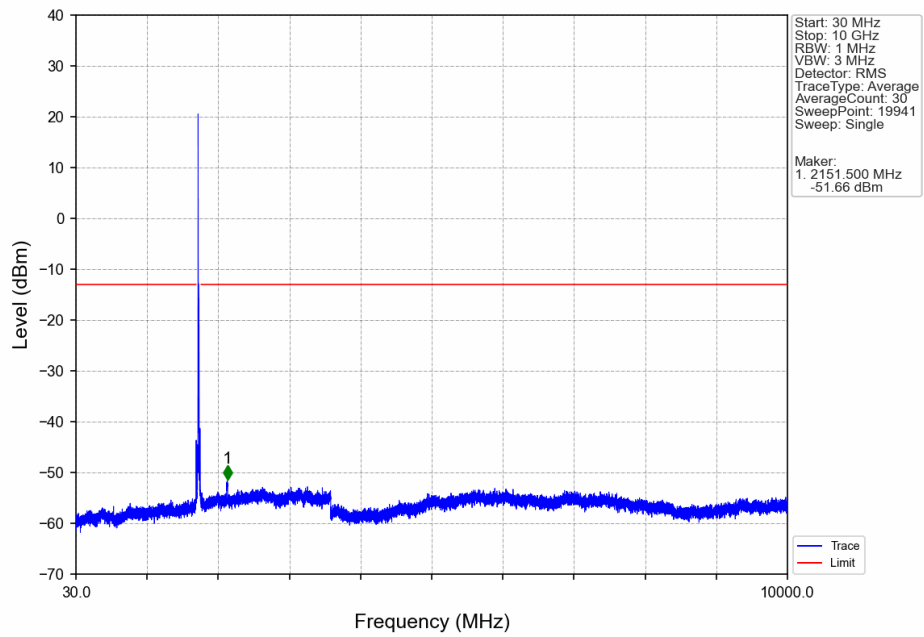
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



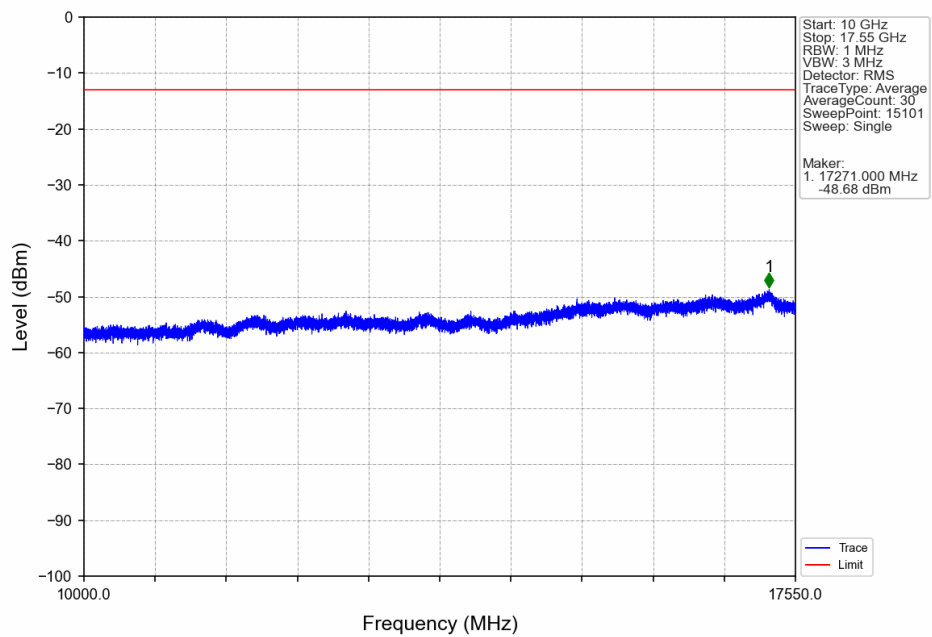
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



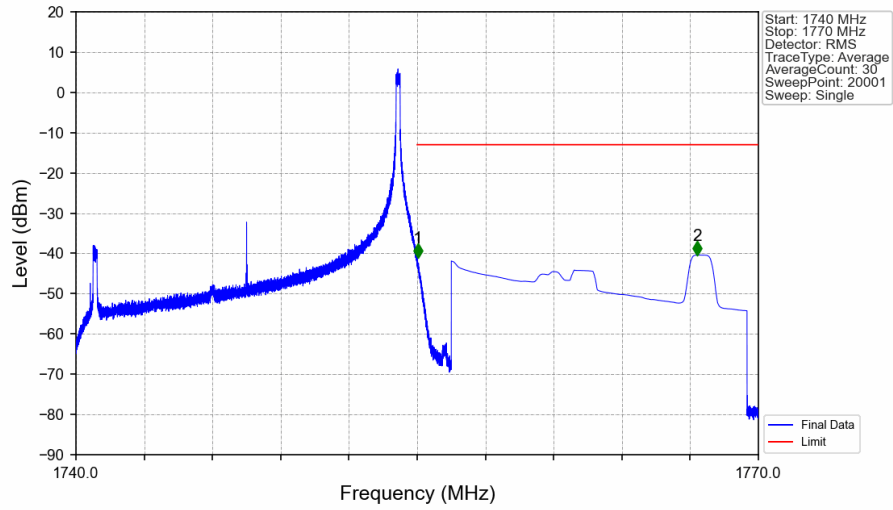
Band4 15MHz 64QAM HCH 1747.5MHz RB 1 0 NTNV



Band4 15MHz 64QAM HCH 1747.5MHz RB 1 0 NTNV

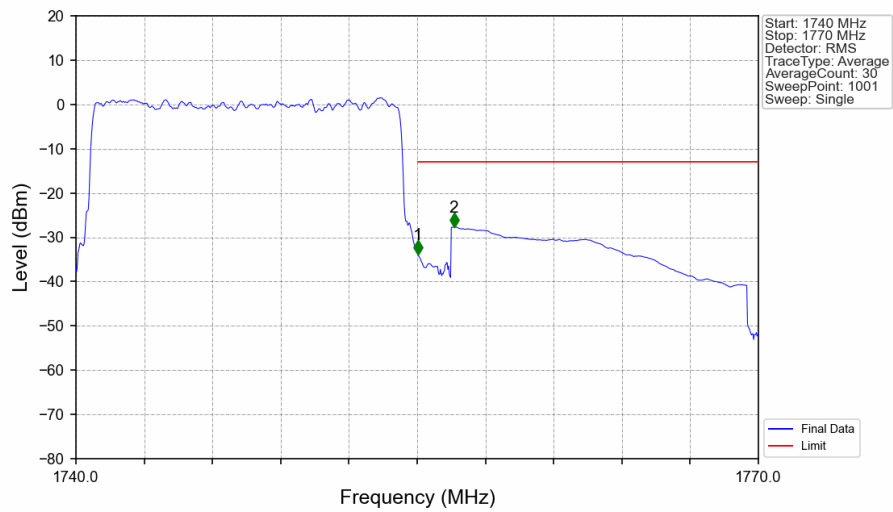


Band4 15MHz 64QAM HCH 1747.5MHz RB 1 74 NTNV



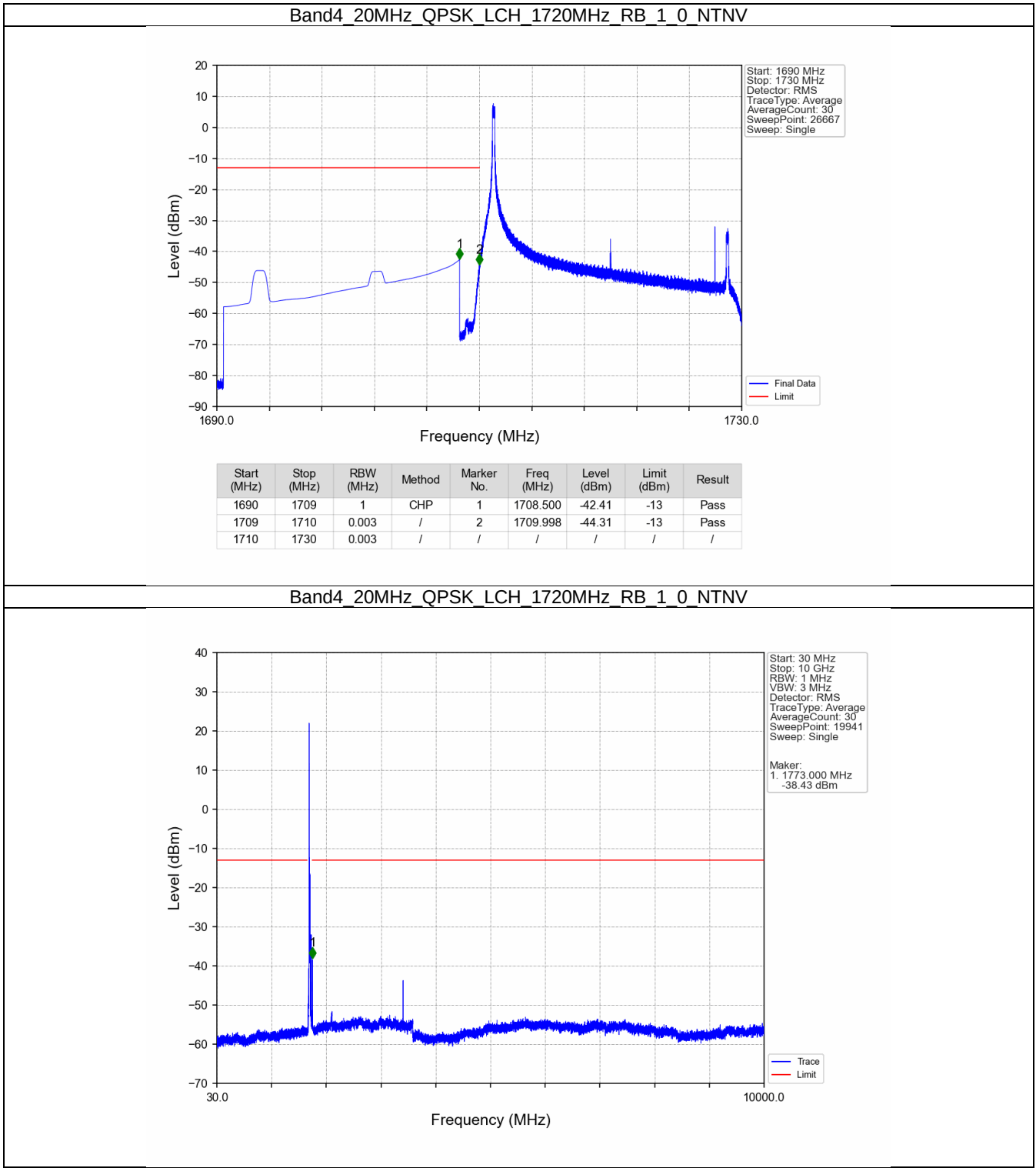
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.018	-41.03	-13	Pass
1756	1770	1	CHP	2	1767.303	-40.42	-13	Pass

Band4 15MHz 64QAM HCH 1747.5MHz RB 75_0 NTNV

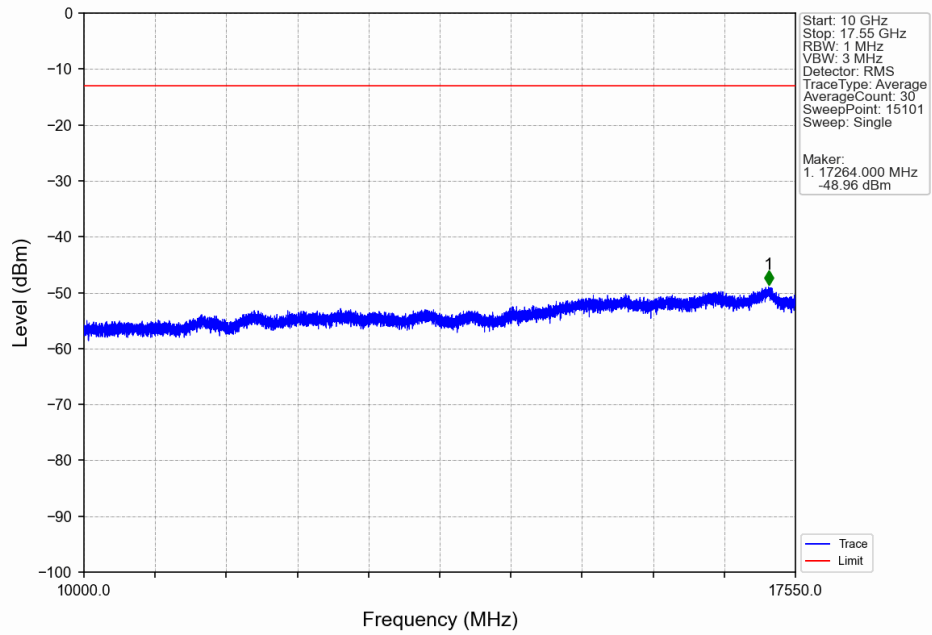


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.152	CHP	/	/	/	/	/
1755	1756	0.152	CHP	1	1755.030	-33.94	-13	Pass
1756	1770	1	CHP	2	1756.620	-27.65	-13	Pass

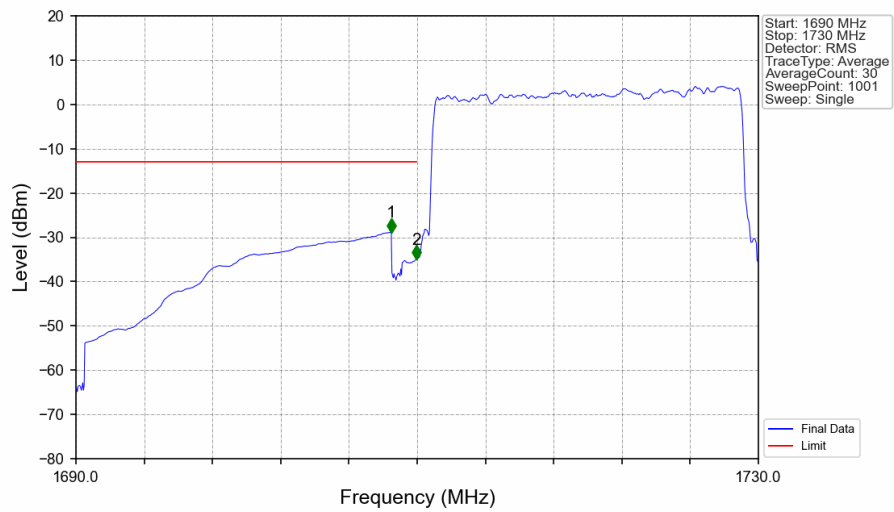
5.2.6 B4_20MHz



Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTN

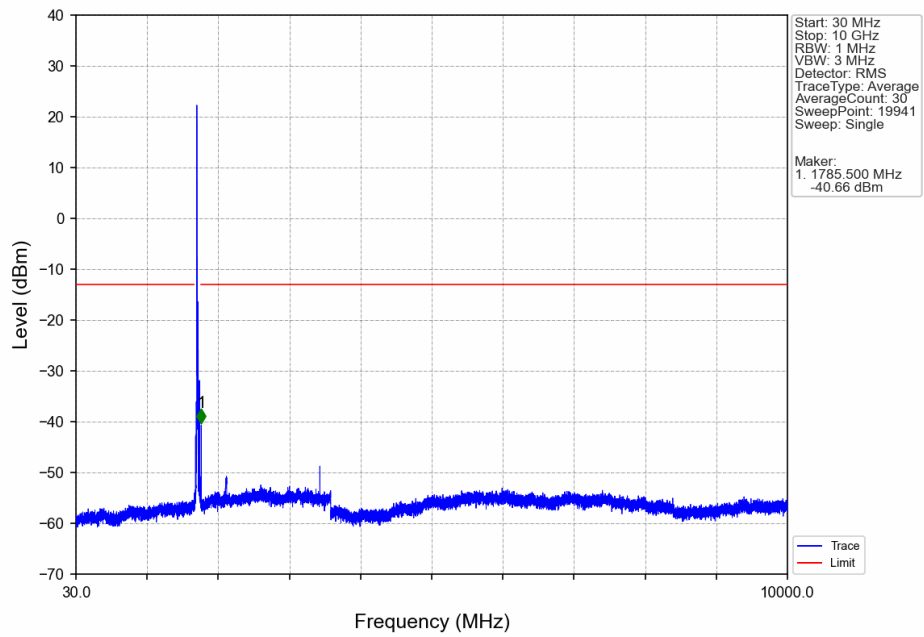


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTN

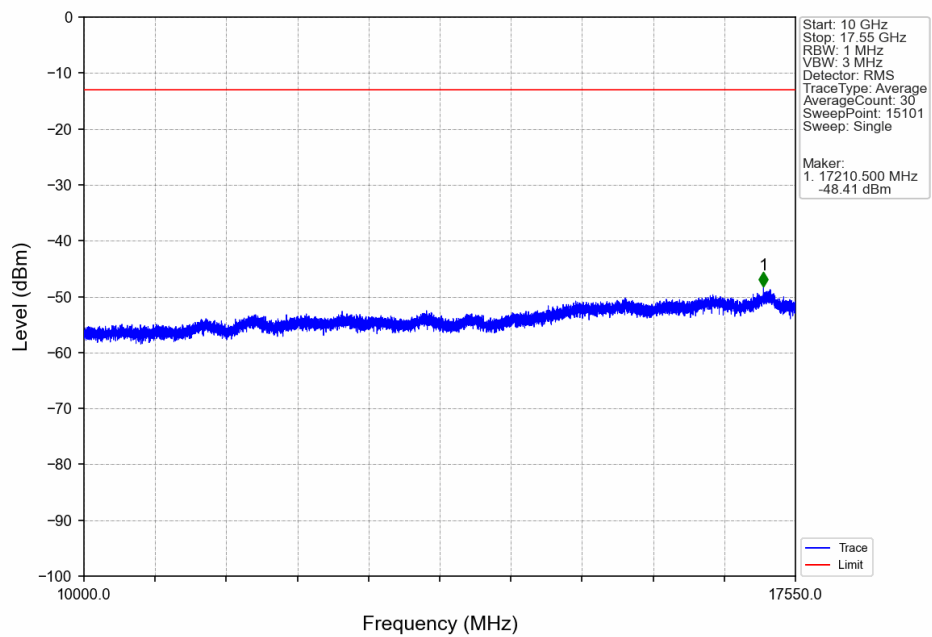


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-28.85	-13	Pass
1709	1710	0.2	CHP	2	1709.960	-34.99	-13	Pass
1710	1730	0.2	CHP	/	/	/	/	/

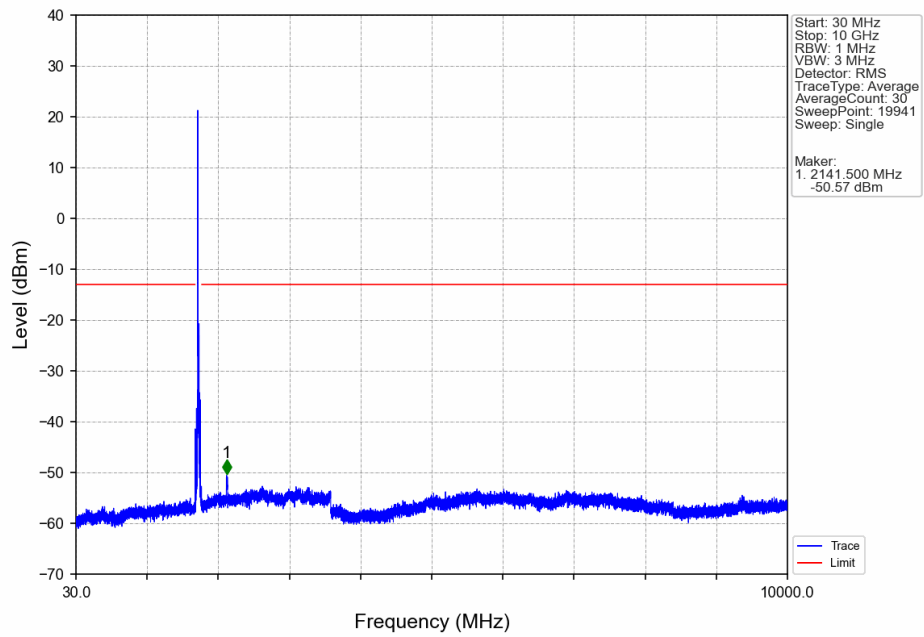
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTV



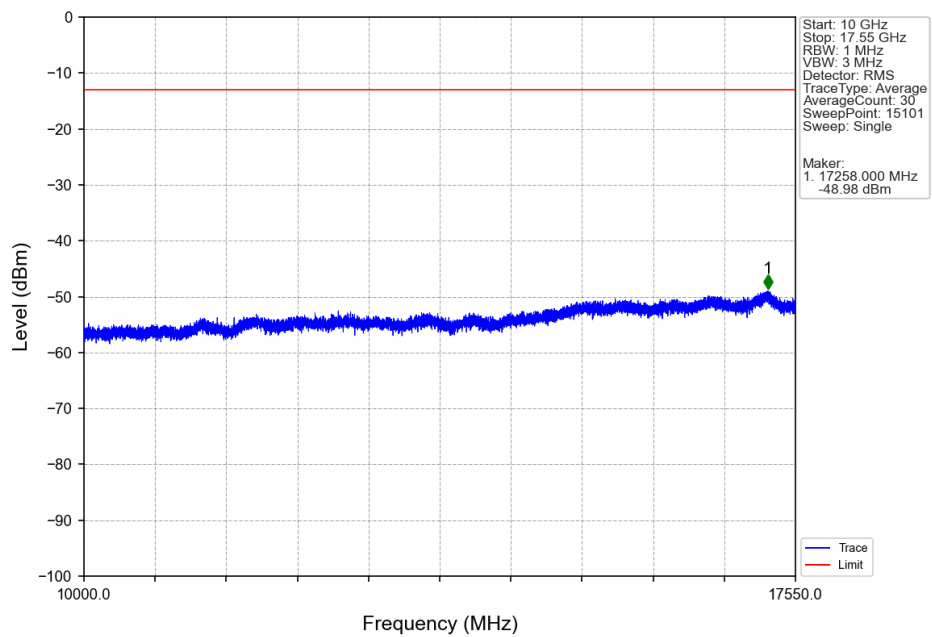
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTV



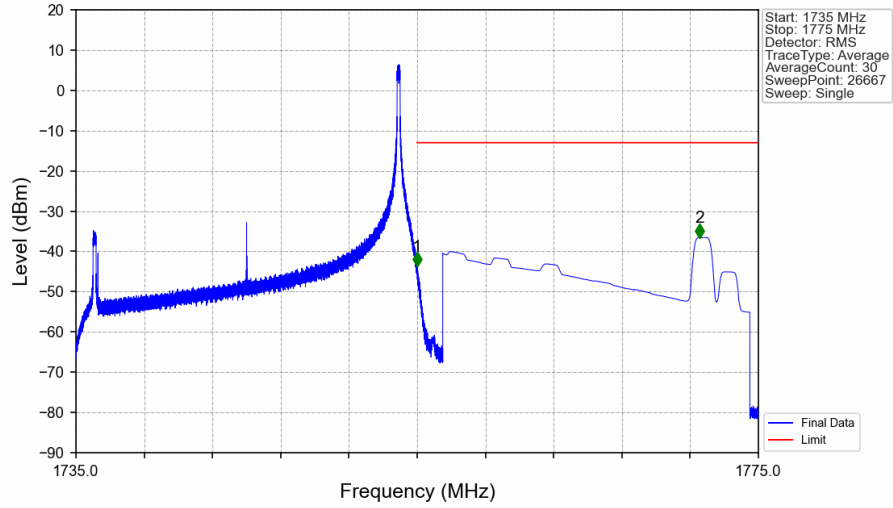
Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTN



Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTN

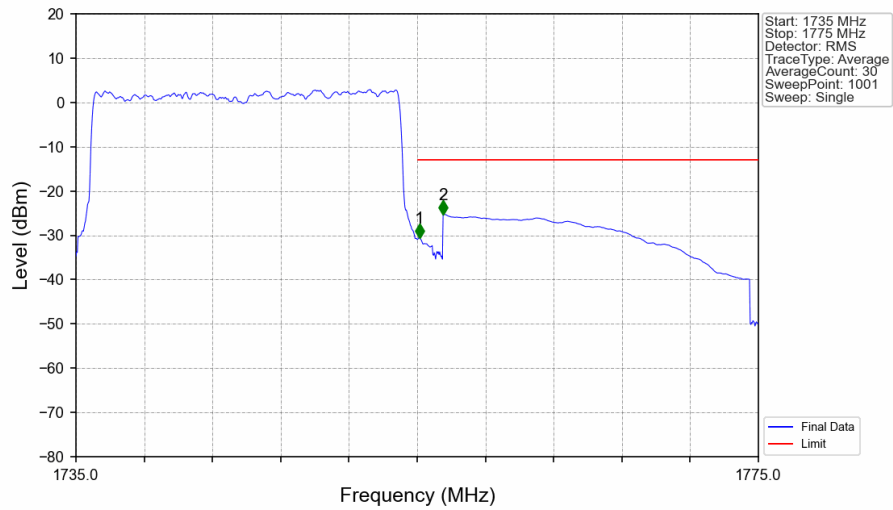


Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



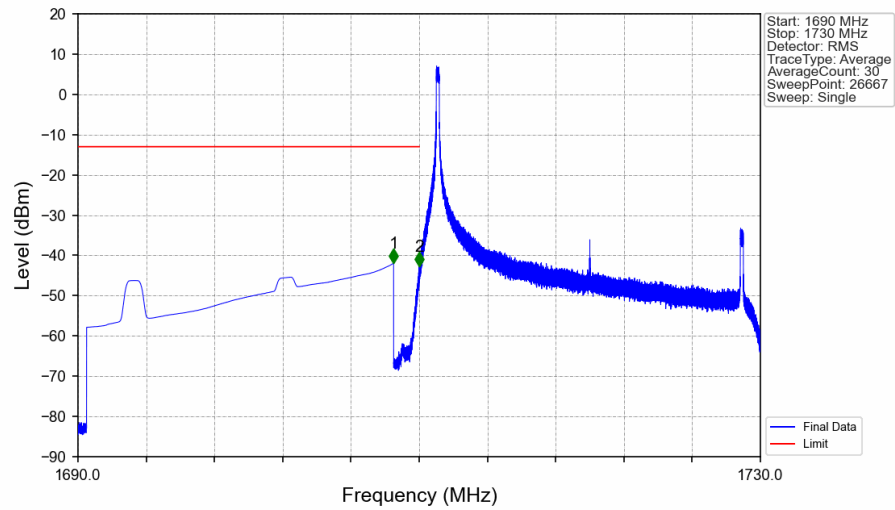
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-43.64	-13	Pass
1756	1775	1	CHP	2	1771.565	-36.54	-13	Pass

Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



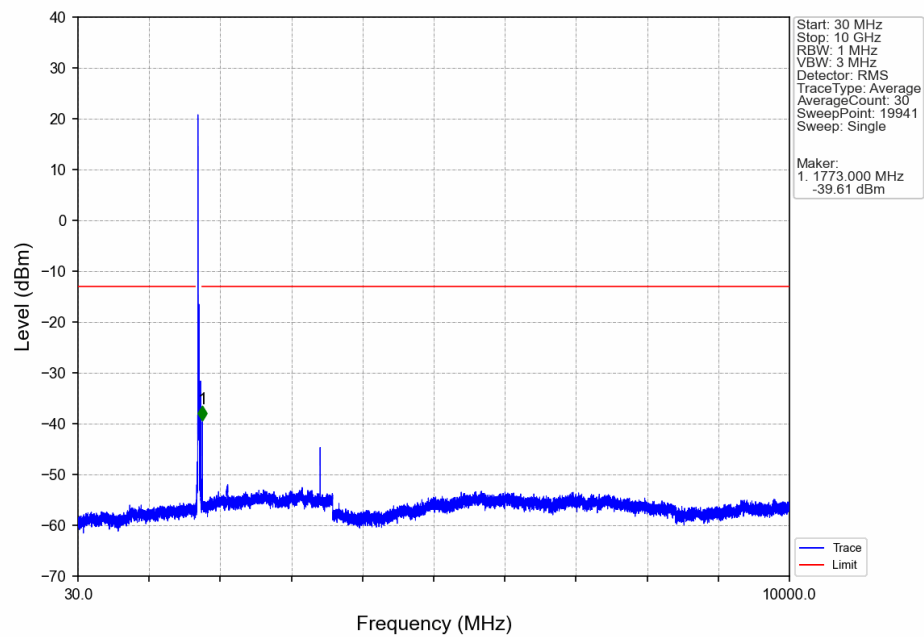
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.201	CHP	/	/	/	/	/
1755	1756	0.201	CHP	1	1755.120	-30.53	-13	Pass
1756	1775	1	CHP	2	1756.520	-25.26	-13	Pass

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

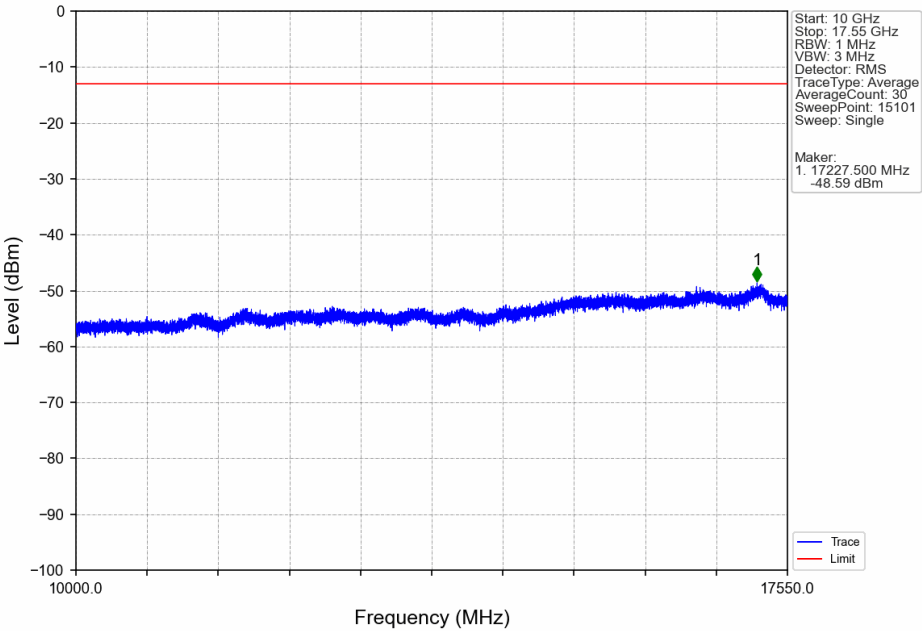


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.498	-41.83	-13	Pass
1709	1710	0.003	/	2	1709.995	-42.73	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

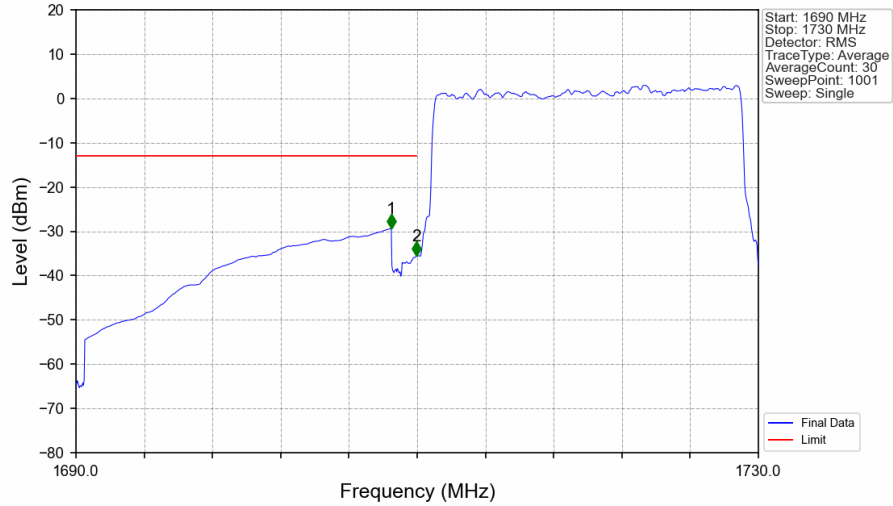
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



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

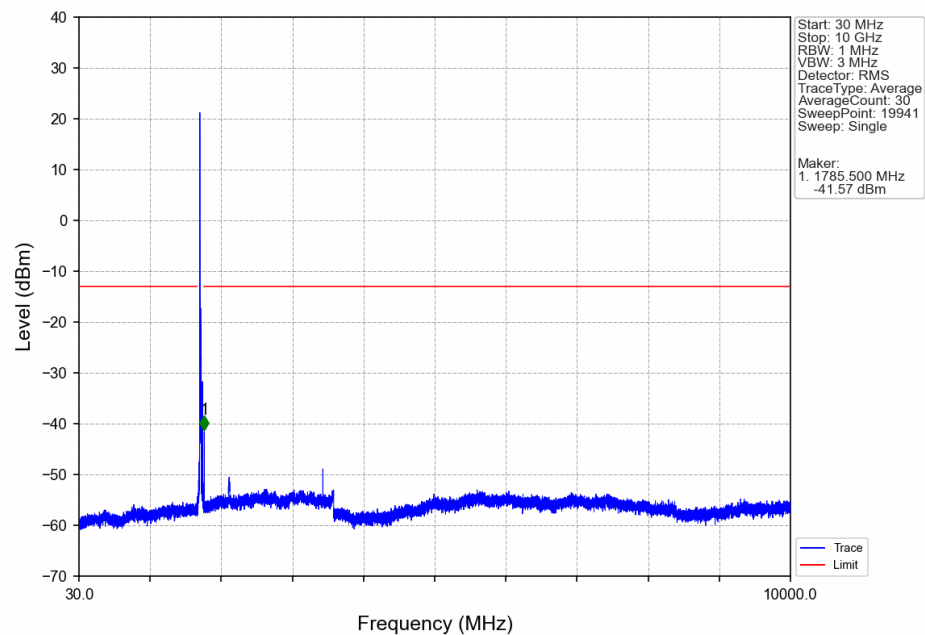


Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV

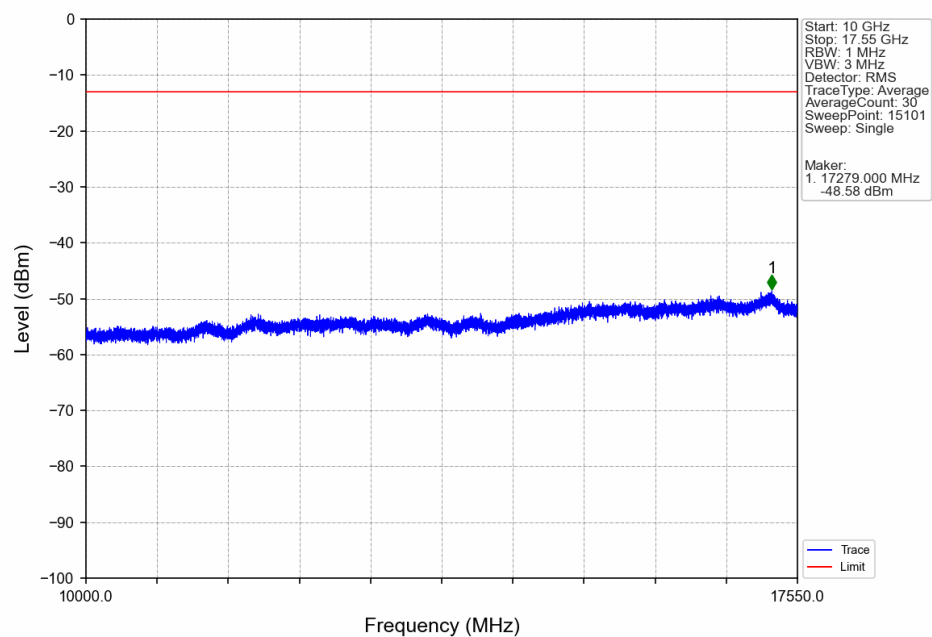


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-29.38	-13	Pass
1709	1710	0.2	CHP	2	1709.960	-35.56	-13	Pass
1710	1730	0.2	CHP	/	/	/	/	/

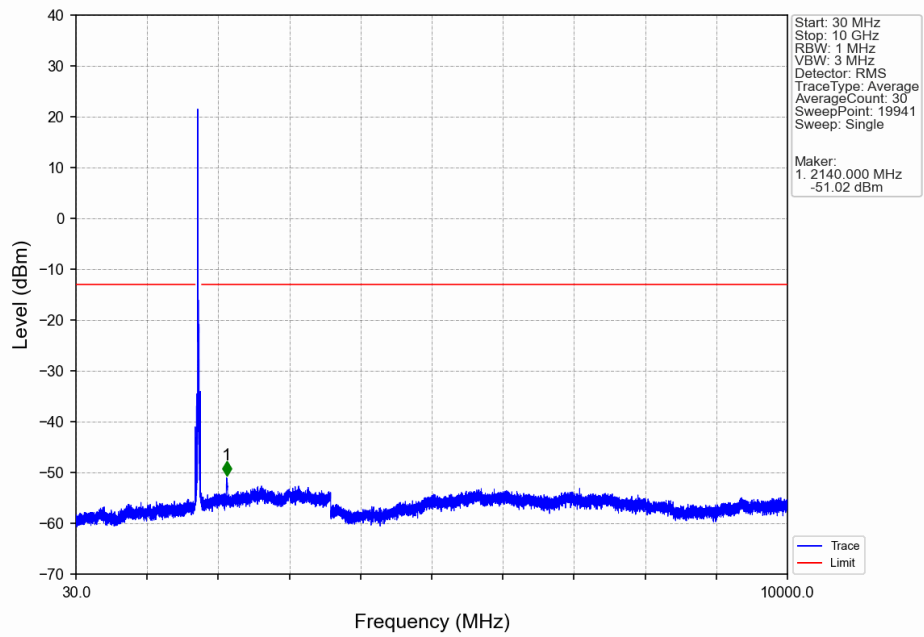
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



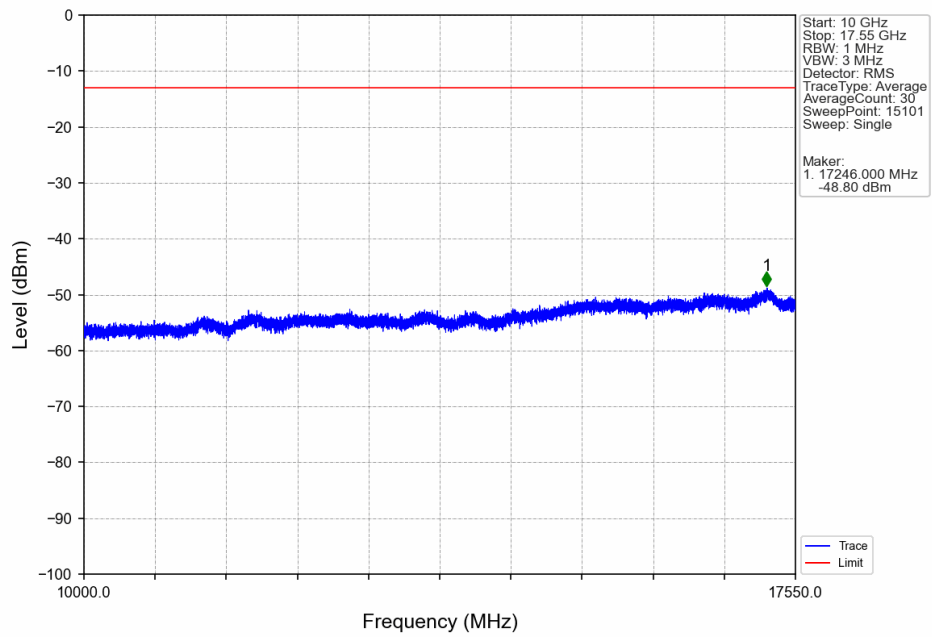
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



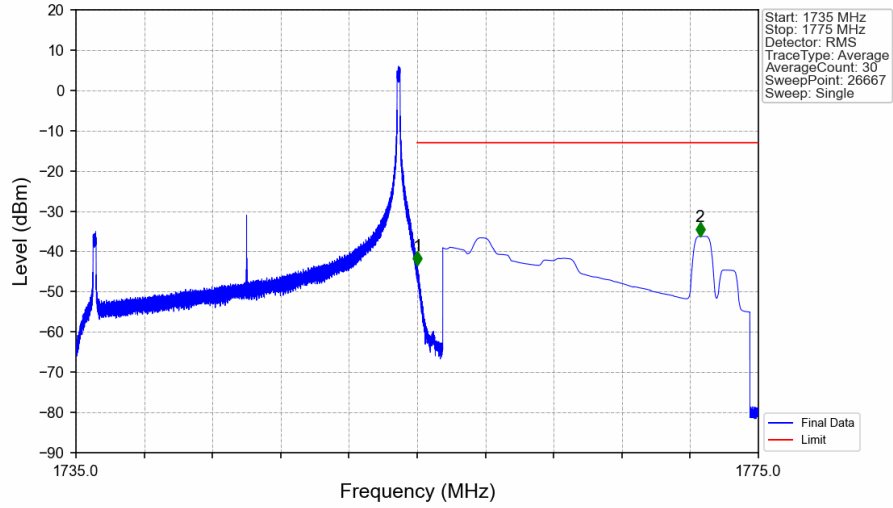
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTV



Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTV

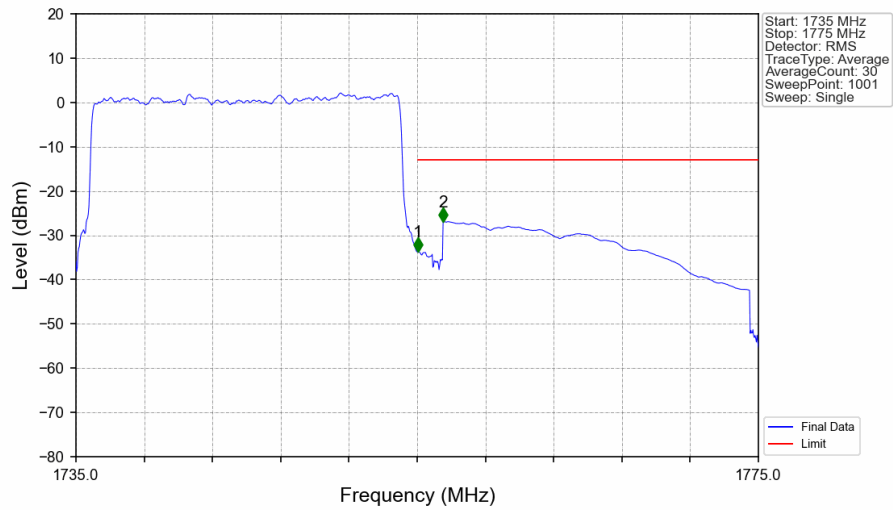


Band4 20MHz 16QAM HCH 1745MHz RB 1 99 NTNV



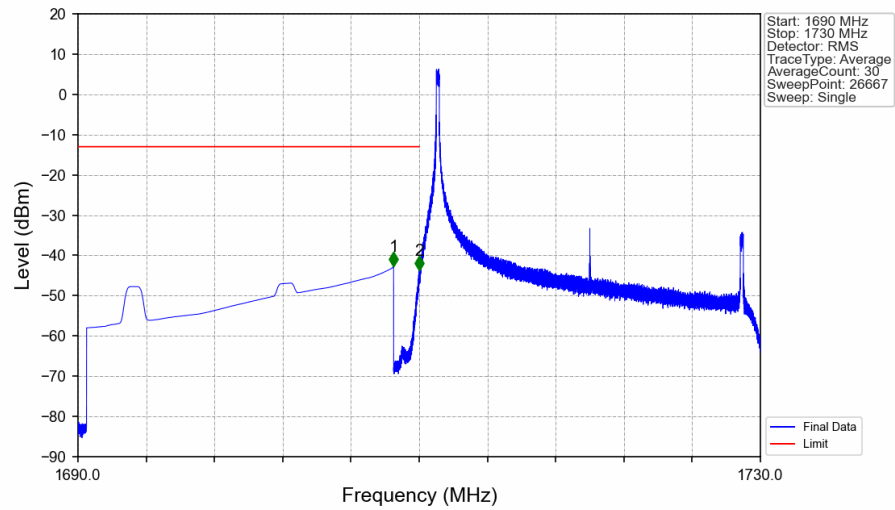
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-43.48	-13	Pass
1756	1775	1	CHP	2	1771.577	-36.27	-13	Pass

Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV



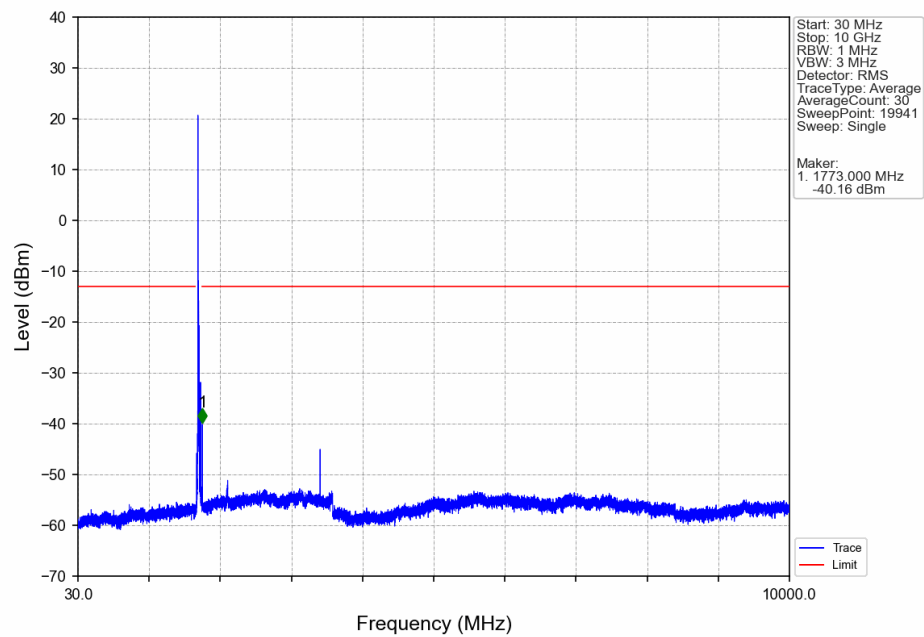
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.202	CHP	/	/	/	/	/
1755	1756	0.202	CHP	1	1755.040	-33.62	-13	Pass
1756	1775	1	CHP	2	1756.520	-26.87	-13	Pass

Band4 20MHz 64QAM LCH 1720MHz RB 1 0 NTNV

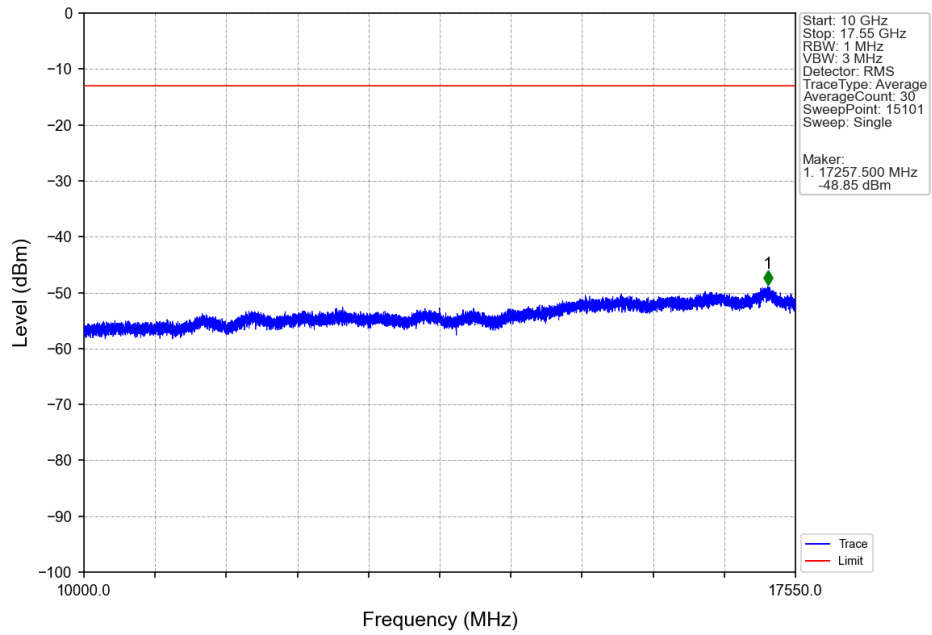


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-42.73	-13	Pass
1709	1710	0.003	/	2	1709.993	-43.57	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

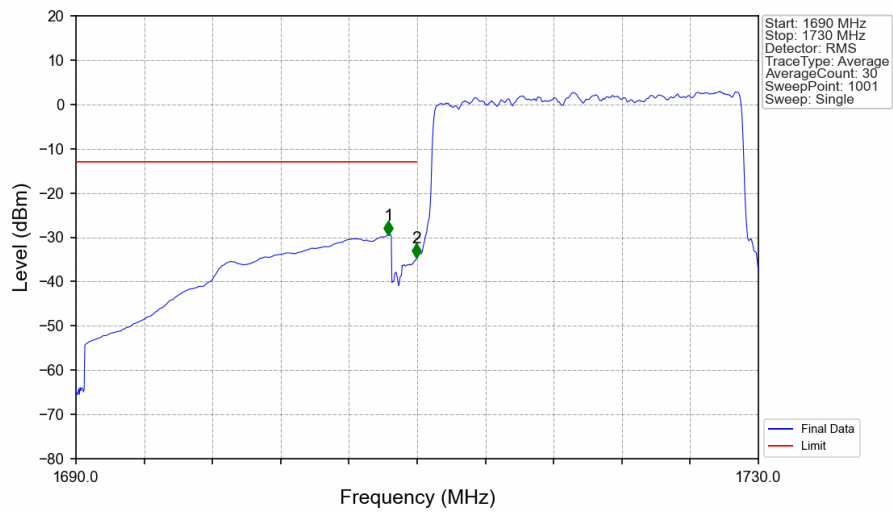
Band4 20MHz 64QAM LCH 1720MHz RB 1 0 NTNV



Band4 20MHz 64QAM LCH 1720MHz RB 1 0 NTNV

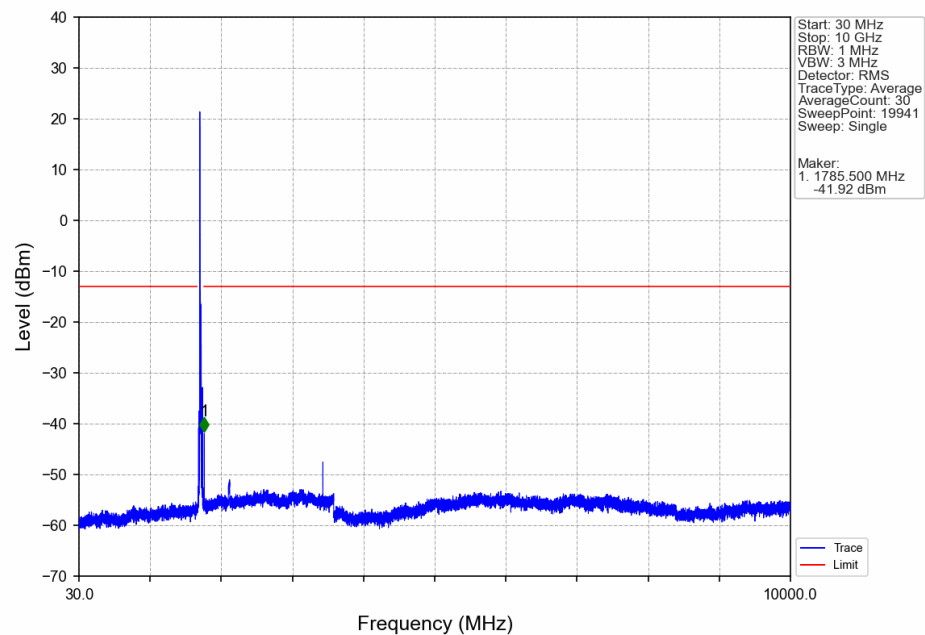


Band4 20MHz 64QAM LCH 1720MHz RB 100 0 NTNV

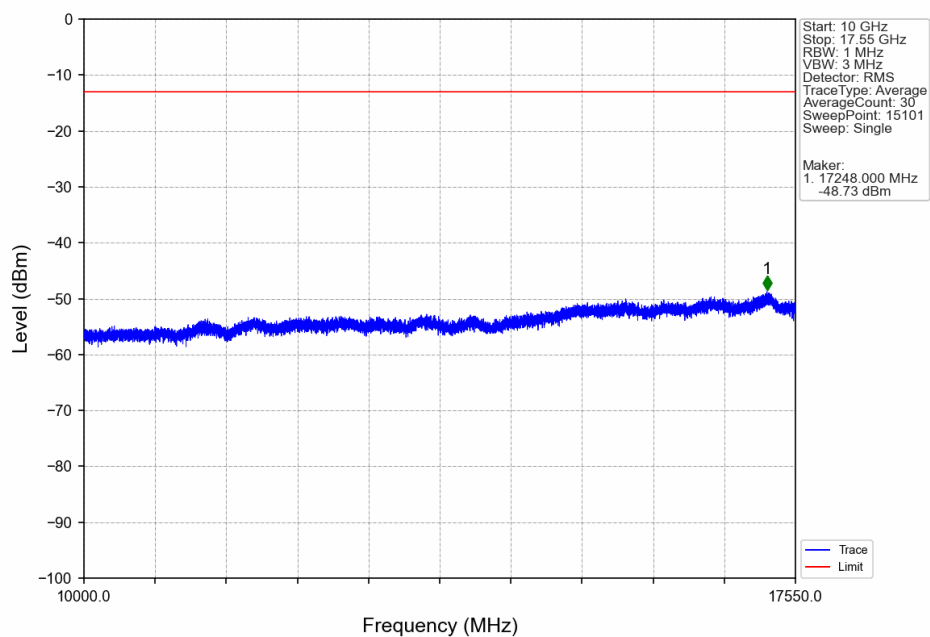


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.320	-29.47	-13	Pass
1709	1710	0.2	CHP	2	1709.960	-34.61	-13	Pass
1710	1730	0.2	CHP	/	/	/	/	/

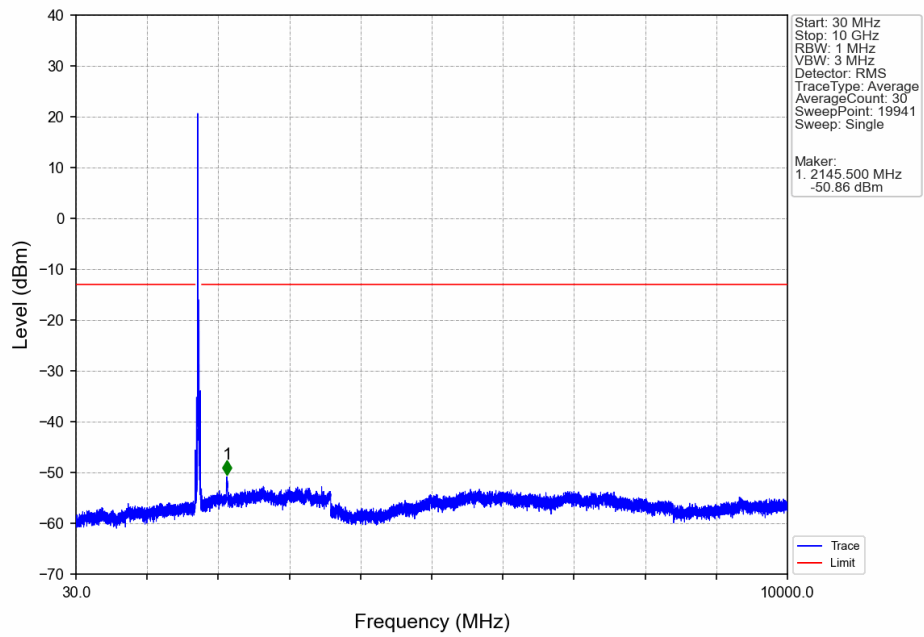
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



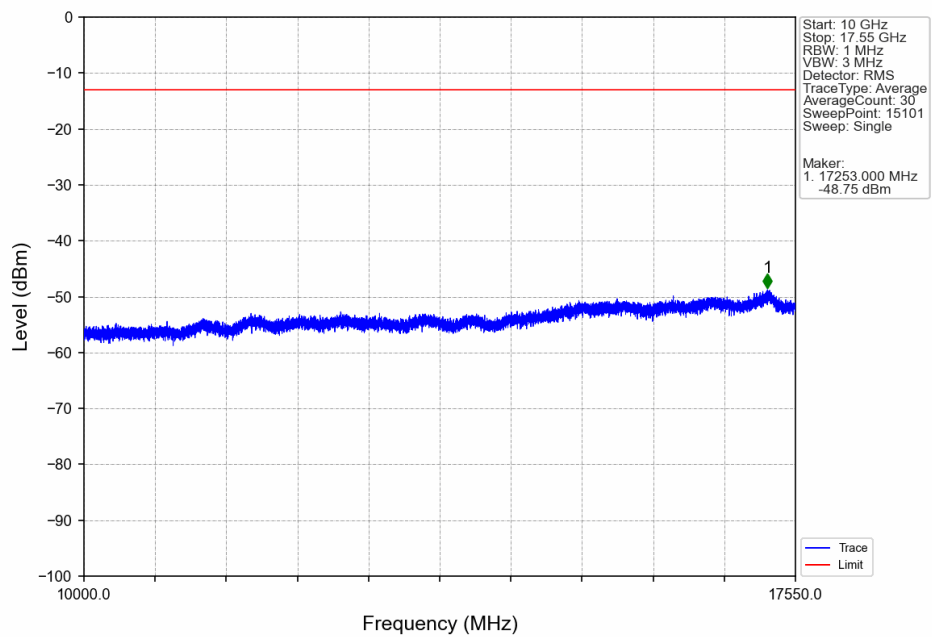
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



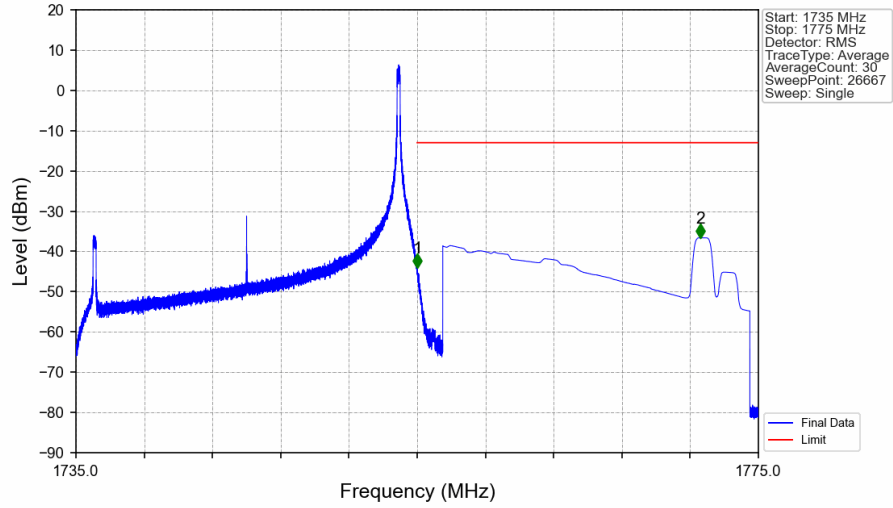
Band4 20MHz 64QAM HCH 1745MHz RB 1 0 NTNV



Band4 20MHz 64QAM HCH 1745MHz RB 1 0 NTNV

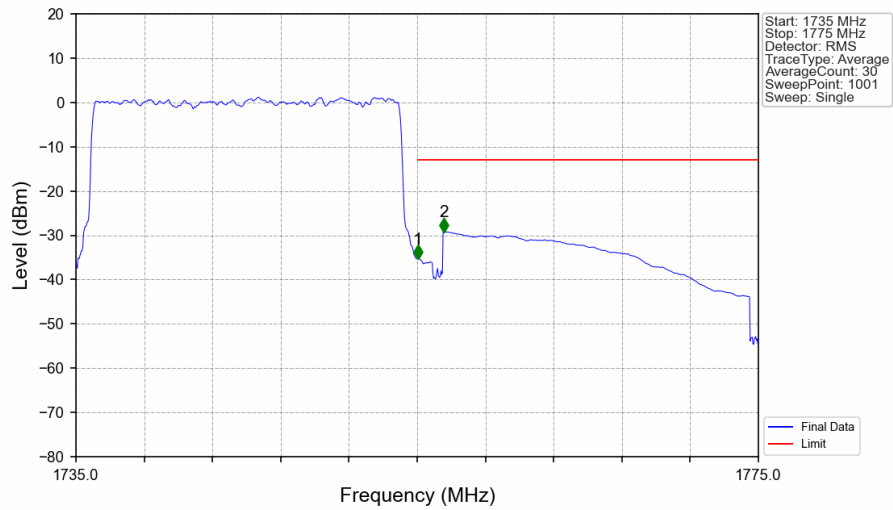


Band4 20MHz 64QAM HCH 1745MHz RB 1 99 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.015	-44.09	-13	Pass
1756	1775	1	CHP	2	1771.586	-36.62	-13	Pass

Band4 20MHz 64QAM HCH 1745MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.201	CHP	/	/	/	/	/
1755	1756	0.201	CHP	1	1755.040	-35.26	-13	Pass
1756	1775	1	CHP	2	1756.560	-29.22	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 4-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-53.7	-13	-40.7	-58.32	3.36	7.98	Horizontal	Pass
5133.0	-57.78	-13	-44.78	-63.39	4.61	10.22	Horizontal	Pass
6844.0	-52.35	-13	-39.35	-58.38	4.9	10.93	Horizontal	Pass
3422.0	-56.82	-13	-43.82	-61.44	3.36	7.98	Vertical	Pass
5133.0	-56.57	-13	-43.57	-62.18	4.61	10.22	Vertical	Pass
6844.0	-51.18	-13	-38.18	-57.21	4.9	10.93	Vertical	Pass

LTE Band 4-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-53.33	-13	-40.33	-58.0	3.37	8.04	Horizontal	Pass
5170.5	-57.59	-13	-44.59	-63.22	4.62	10.25	Horizontal	Pass
6894.0	-50.26	-13	-37.26	-56.35	4.9	10.99	Horizontal	Pass
3447.0	-55.5	-13	-42.5	-60.17	3.37	8.04	Vertical	Pass
5170.5	-55.99	-13	-42.99	-61.62	4.62	10.25	Vertical	Pass
6894.0	-49.18	-13	-36.18	-55.27	4.9	10.99	Vertical	Pass

LTE Band 4-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-57.2	-13	-44.2	-61.91	3.39	8.1	Horizontal	Pass
5208.0	-56.88	-13	-43.88	-62.51	4.64	10.27	Horizontal	Pass
6944.0	-50.98	-13	-37.98	-57.13	4.91	11.06	Horizontal	Pass
3472.0	-59.82	-13	-46.82	-64.53	3.39	8.1	Vertical	Pass
5208.0	-53.86	-13	-40.86	-59.49	4.64	10.27	Vertical	Pass
6944.0	-53.14	-13	-40.14	-59.29	4.91	11.06	Vertical	Pass