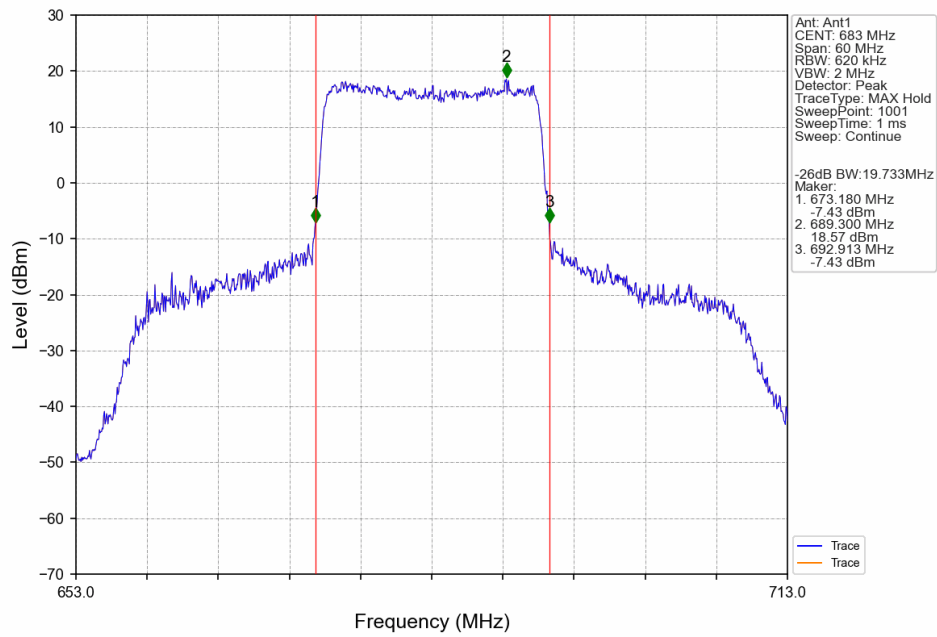
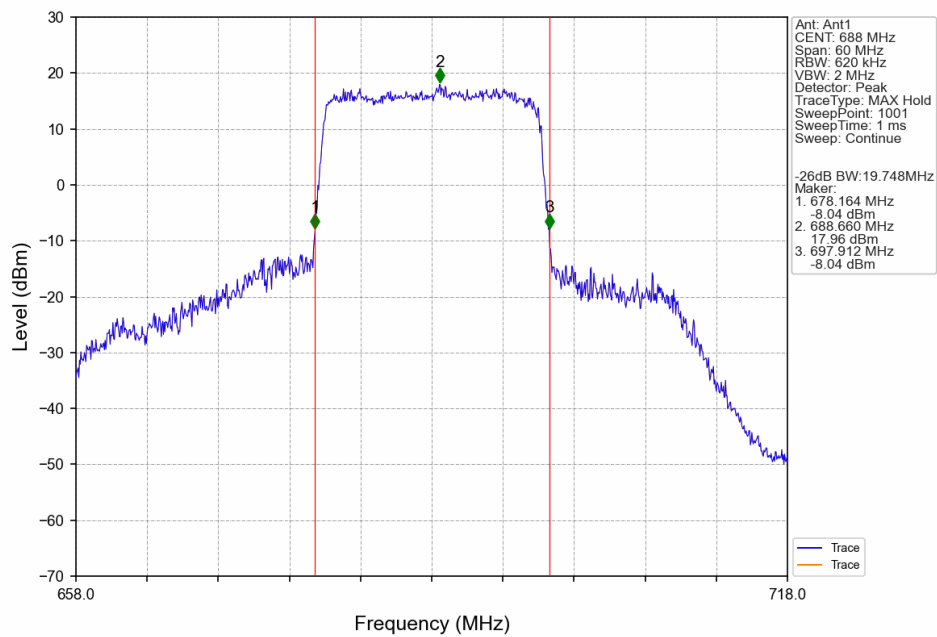


Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTNV



Band71 20MHz 16QAM HCH 688MHz RB 100 0 NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.35	<=13	Pass
	680.5	25	0	5.60	<=13	Pass
	695.5	25	0	5.34	<=13	Pass
16QAM	665.5	25	0	6.02	<=13	Pass
	680.5	25	0	6.27	<=13	Pass
	695.5	25	0	5.90	<=13	Pass

5.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.53	<=13	Pass
	680.5	50	0	5.62	<=13	Pass
	693	50	0	5.17	<=13	Pass
16QAM	668	50	0	6.28	<=13	Pass
	680.5	50	0	6.32	<=13	Pass
	693	50	0	5.85	<=13	Pass

5.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.69	<=13	Pass
	680.5	75	0	5.80	<=13	Pass
	690.5	75	0	5.41	<=13	Pass
16QAM	670.5	75	0	6.26	<=13	Pass
	680.5	75	0	6.33	<=13	Pass
	690.5	75	0	6.03	<=13	Pass

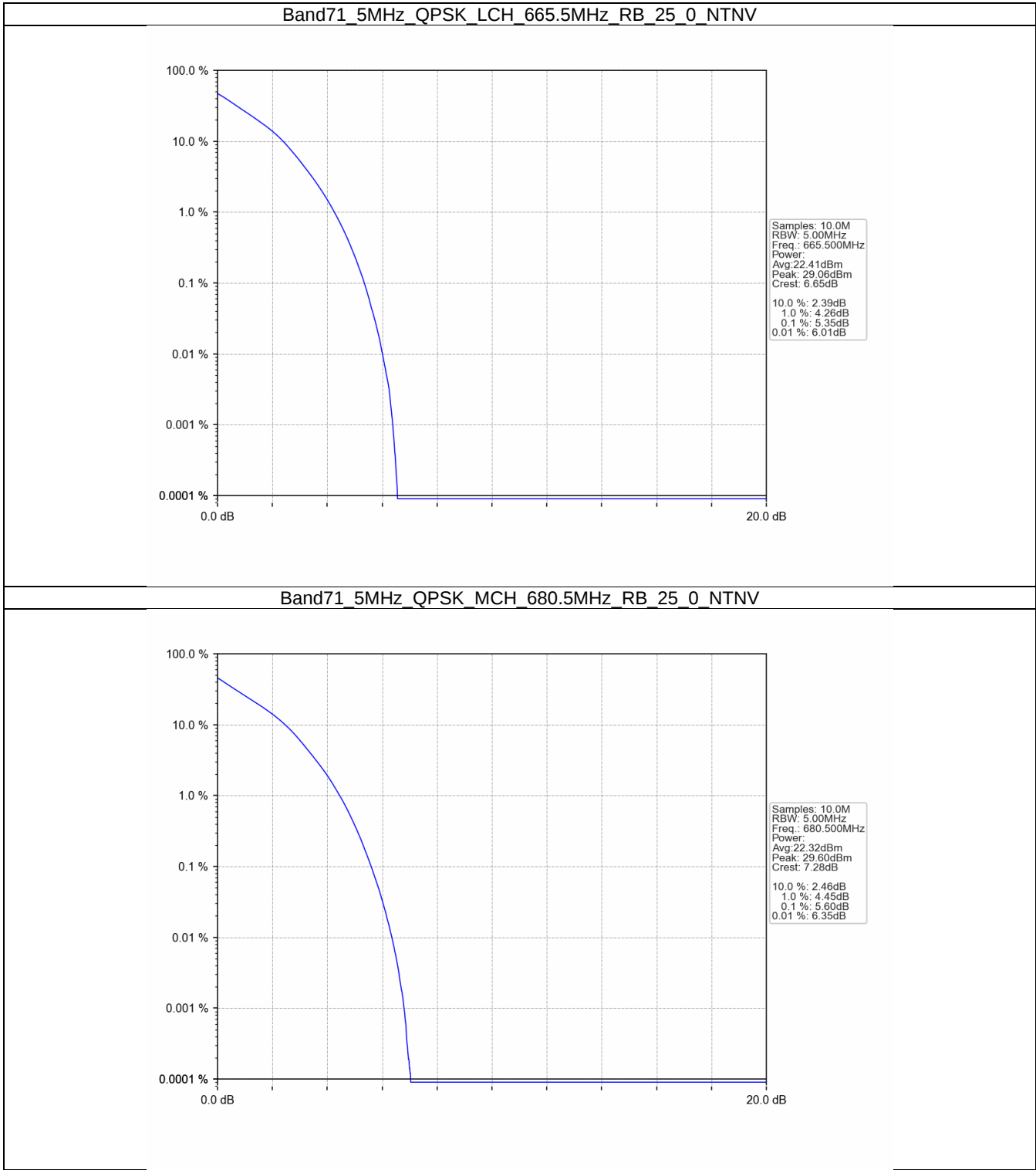
5.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.42	<=13	Pass
	683	100	0	5.49	<=13	Pass
	688	100	0	5.28	<=13	Pass
16QAM	673	100	0	6.19	<=13	Pass
	683	100	0	6.18	<=13	Pass

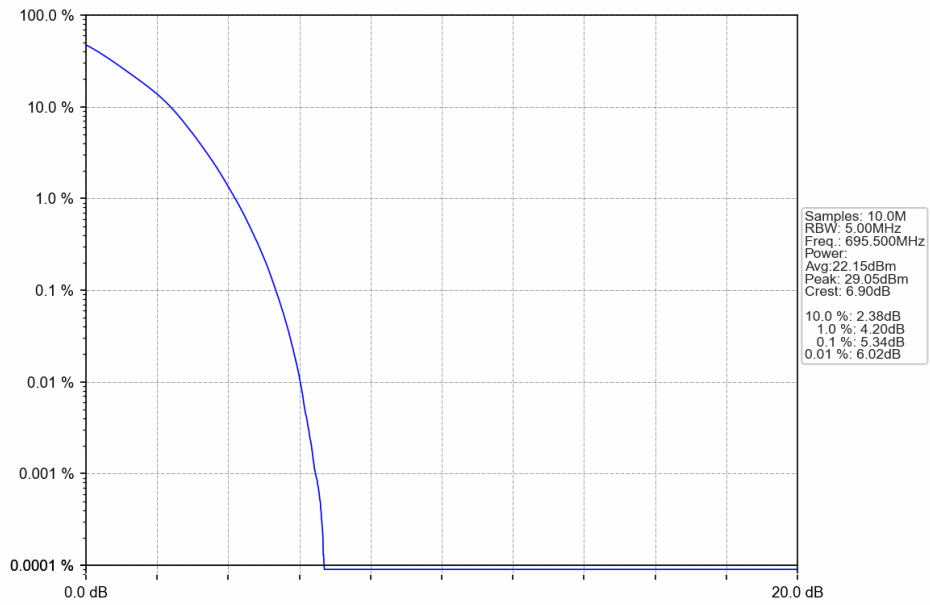
	688	100	0	6.09	<=13	Pass
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5.2 Test Graph

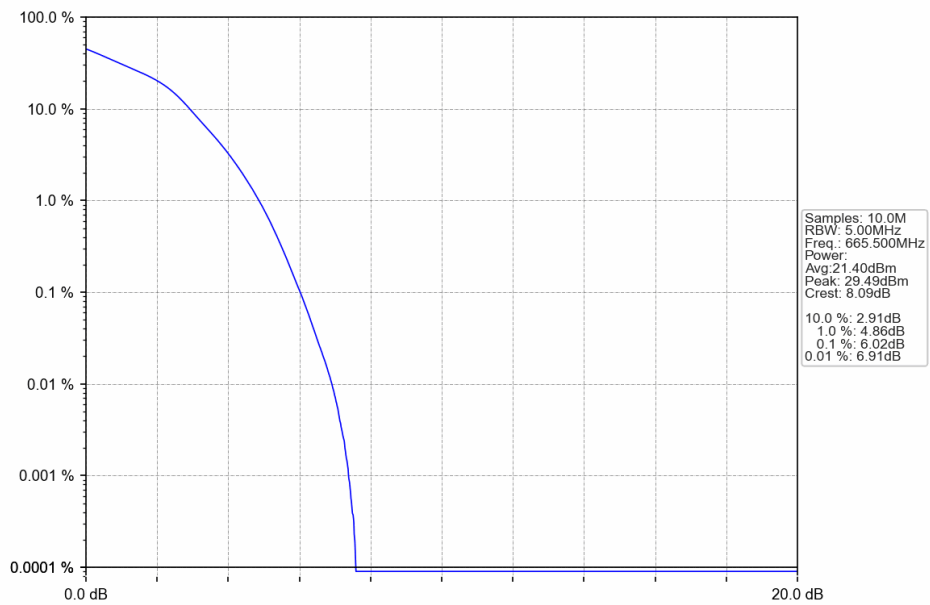
5.2.1 B71_5MHz



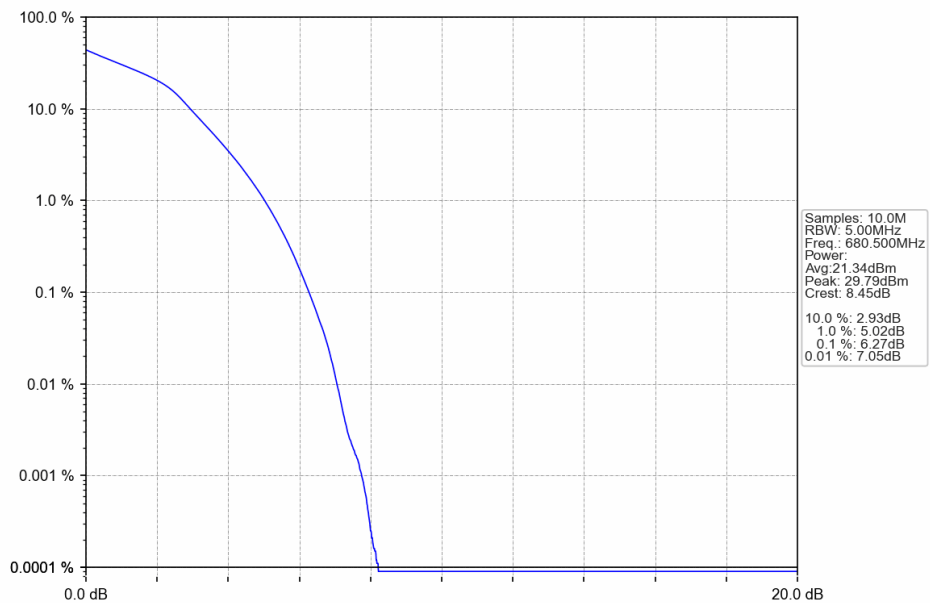
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



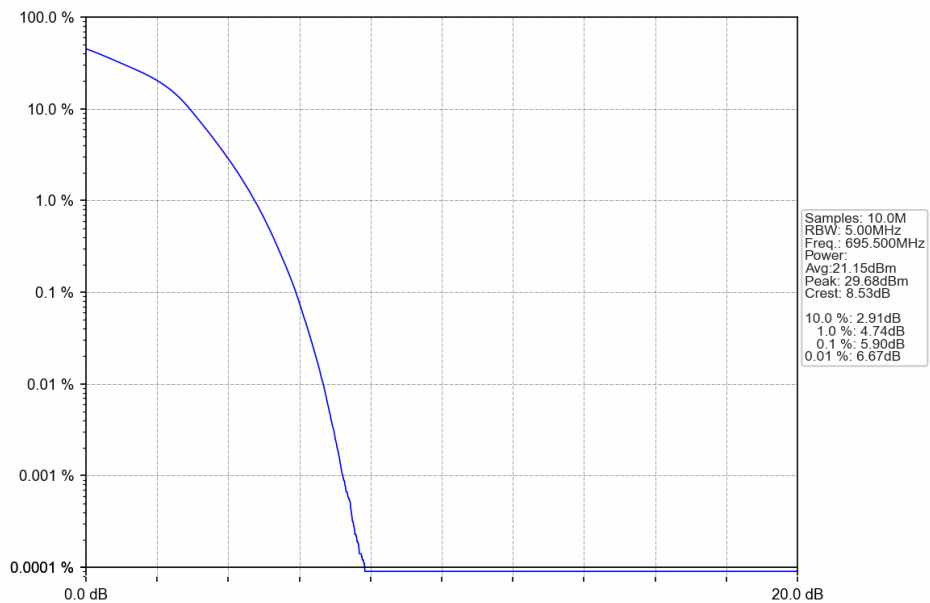
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



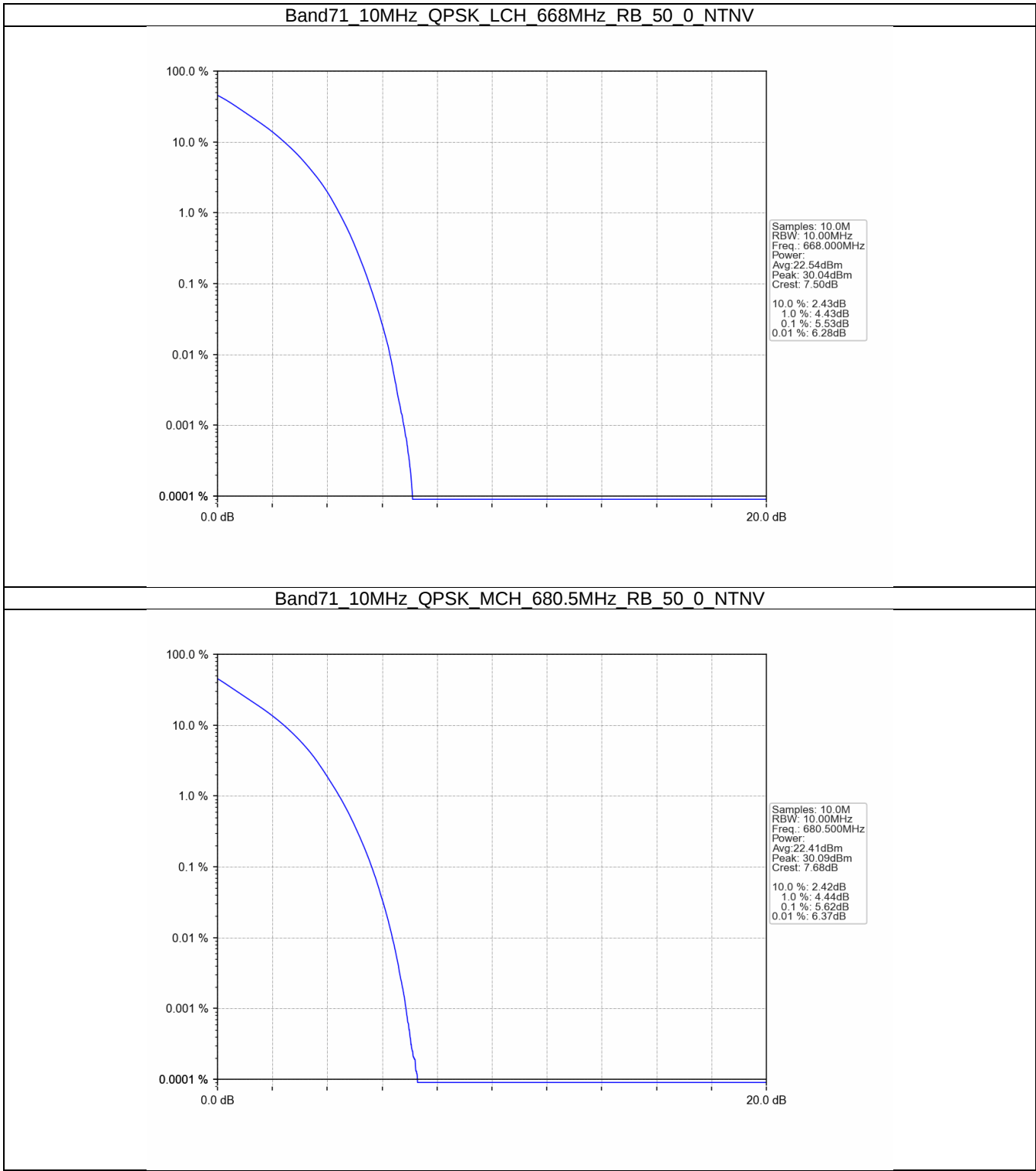
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTV



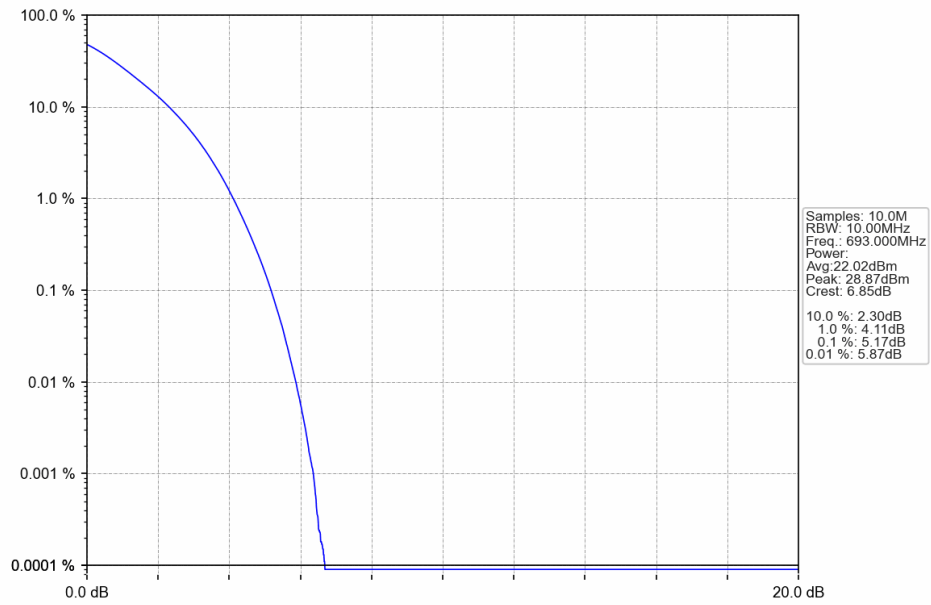
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTV



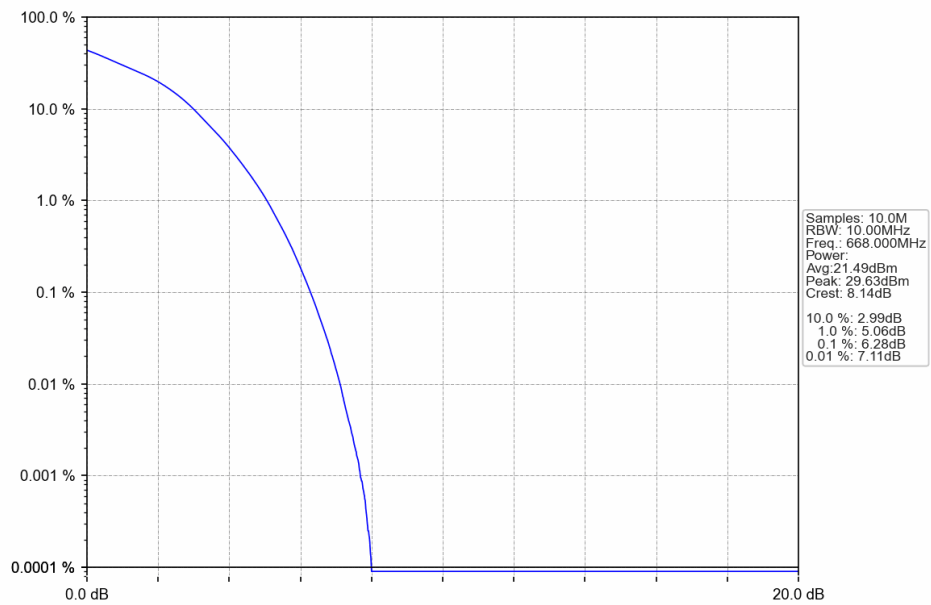
5.2.2 B71_10MHz



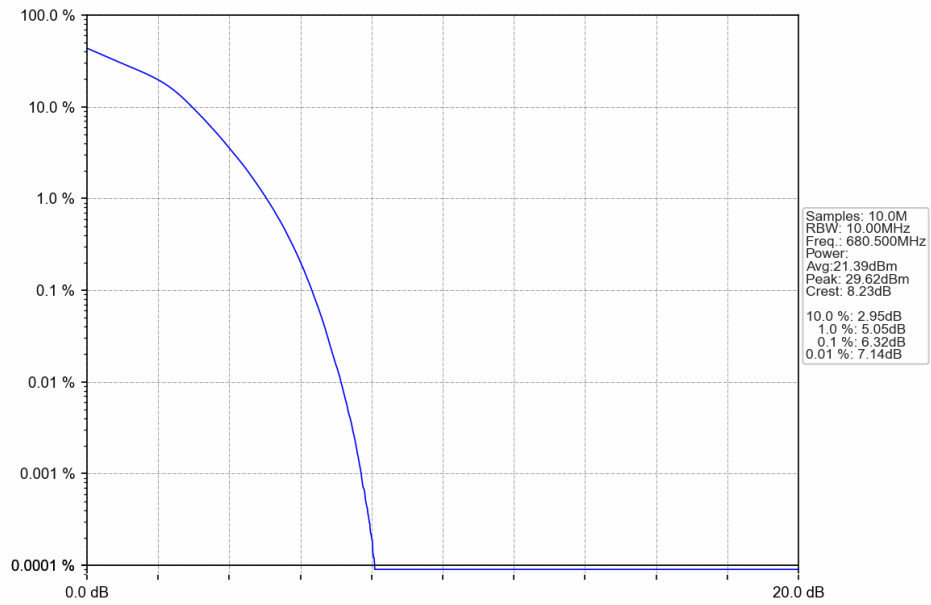
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



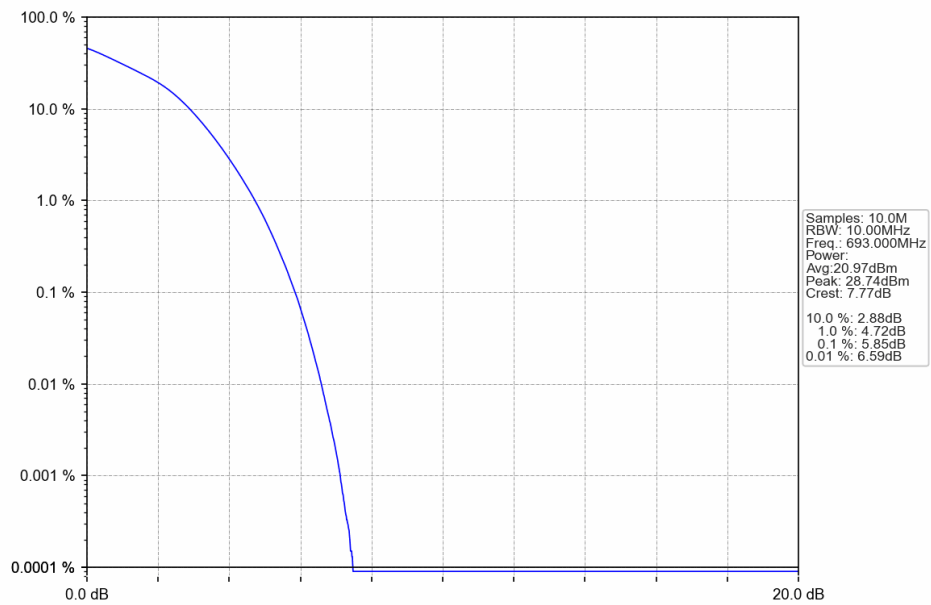
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTN



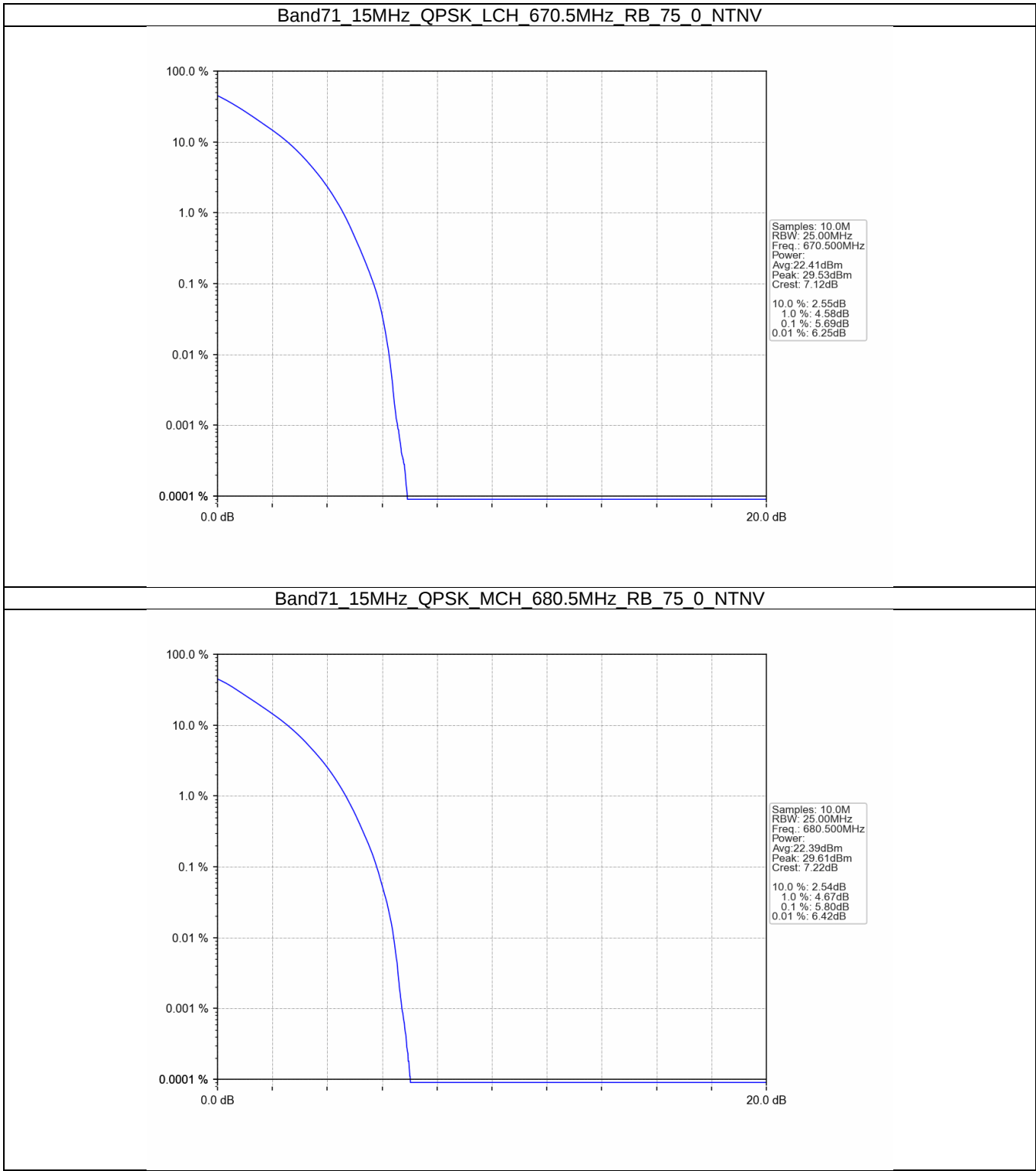
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTNV



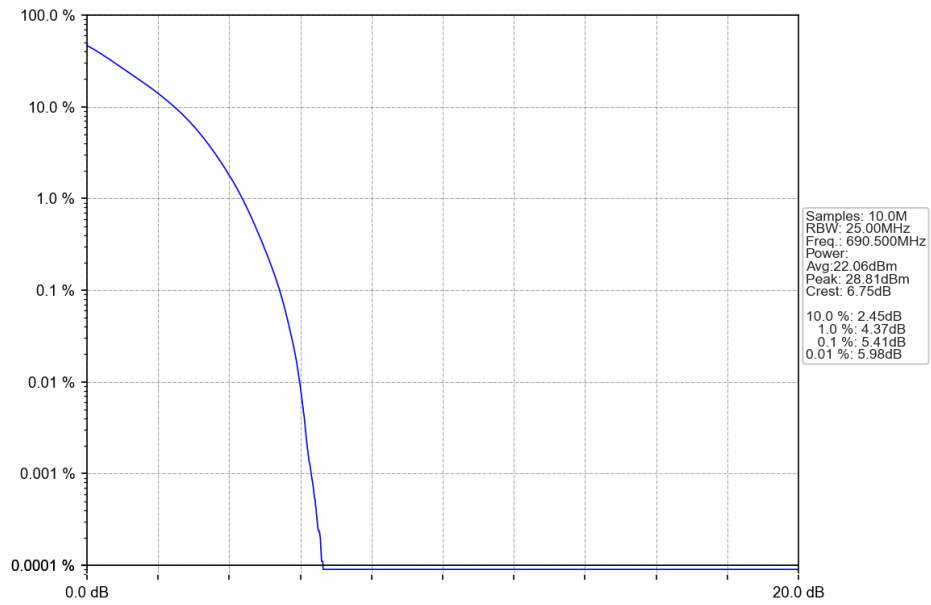
Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTNV



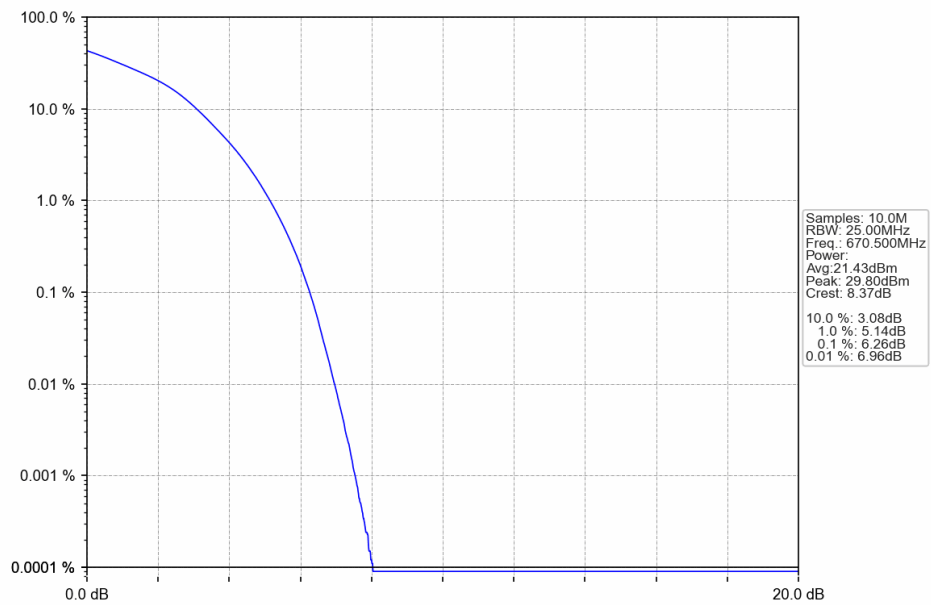
5.2.3 B71_15MHz



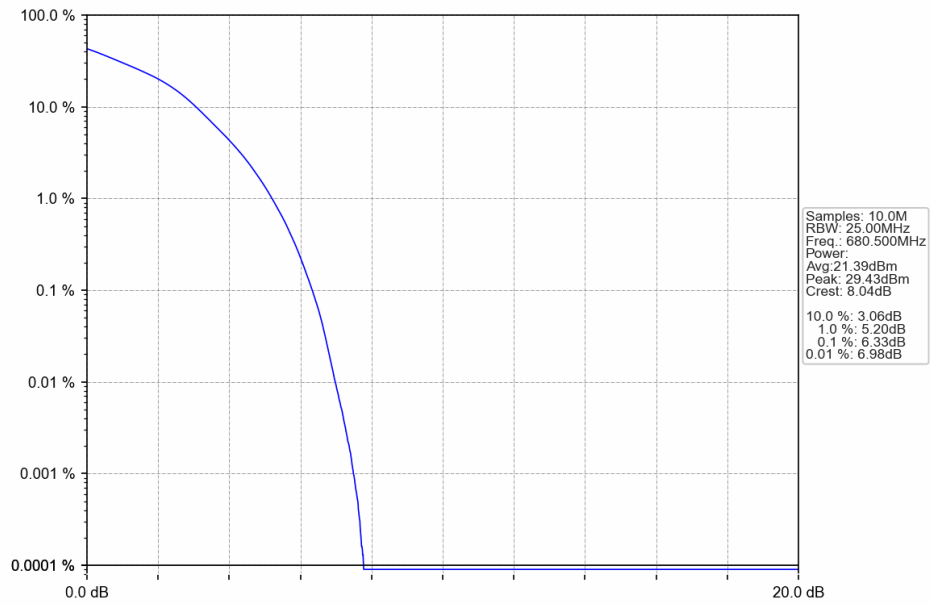
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



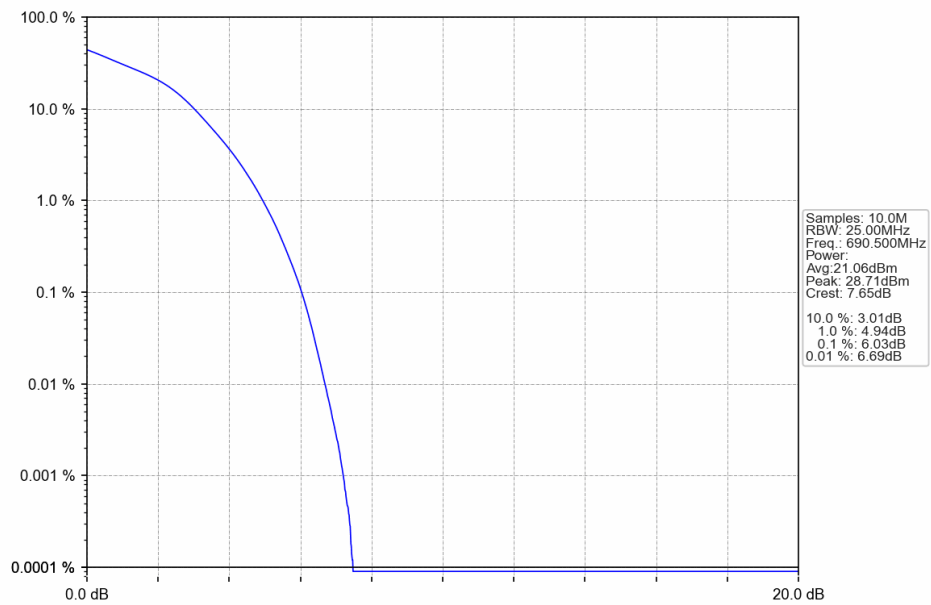
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



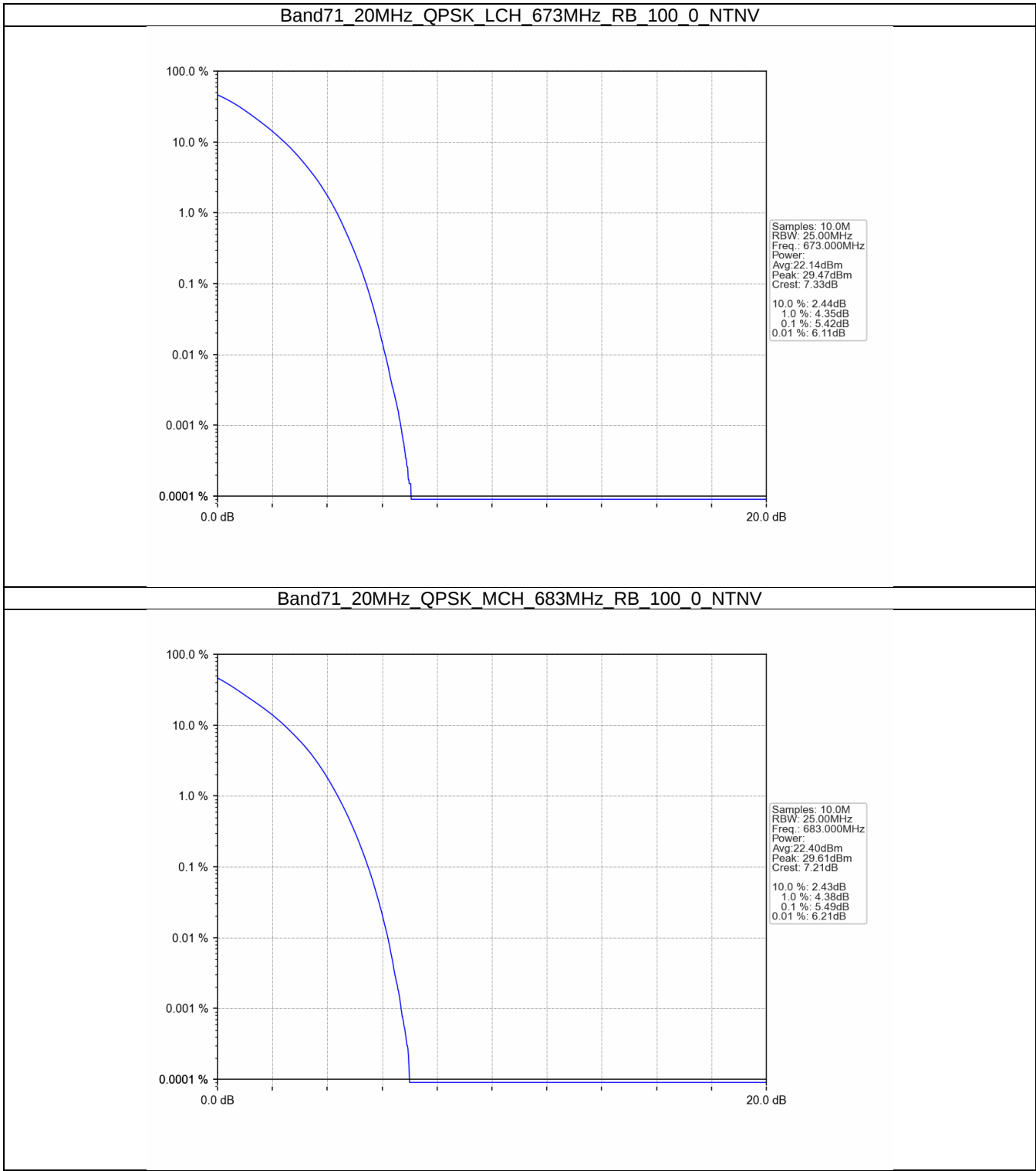
Band71 15MHz 16QAM MCH 680.5MHz RB 75 0 NTNV



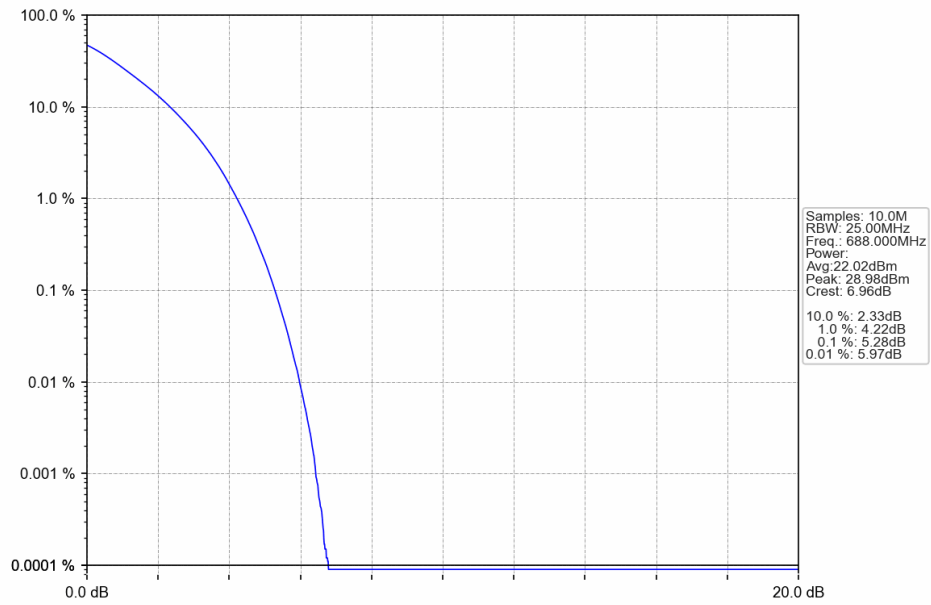
Band71 15MHz 16QAM HCH 690.5MHz RB 75 0 NTNV



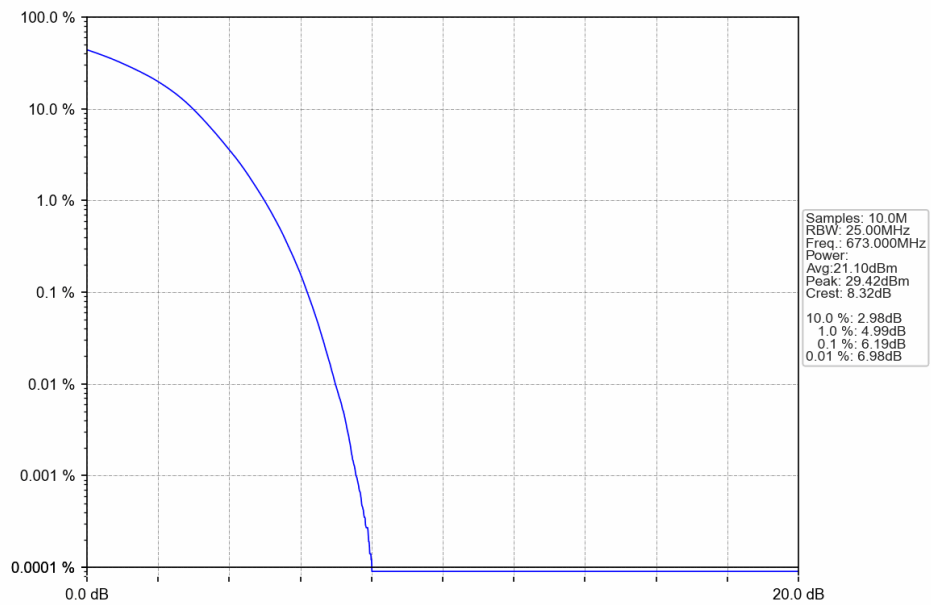
5.2.4 B71_20MHz



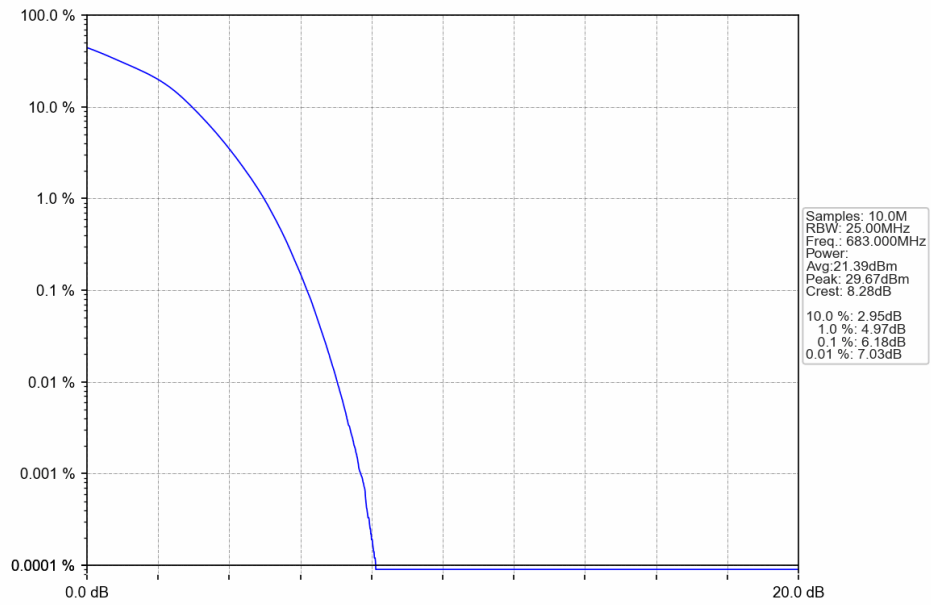
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



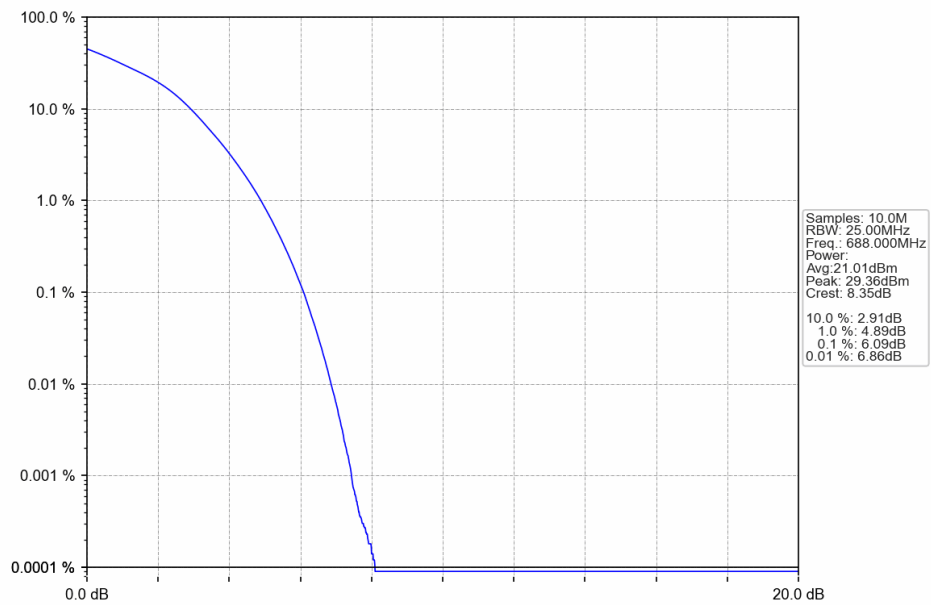
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTNV



Band71 20MHz 16QAM HCH 688MHz RB 100 0 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
16QAM	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	695.5	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

6.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	690.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	670.5	1	0	Refer To Test Graph		Pass

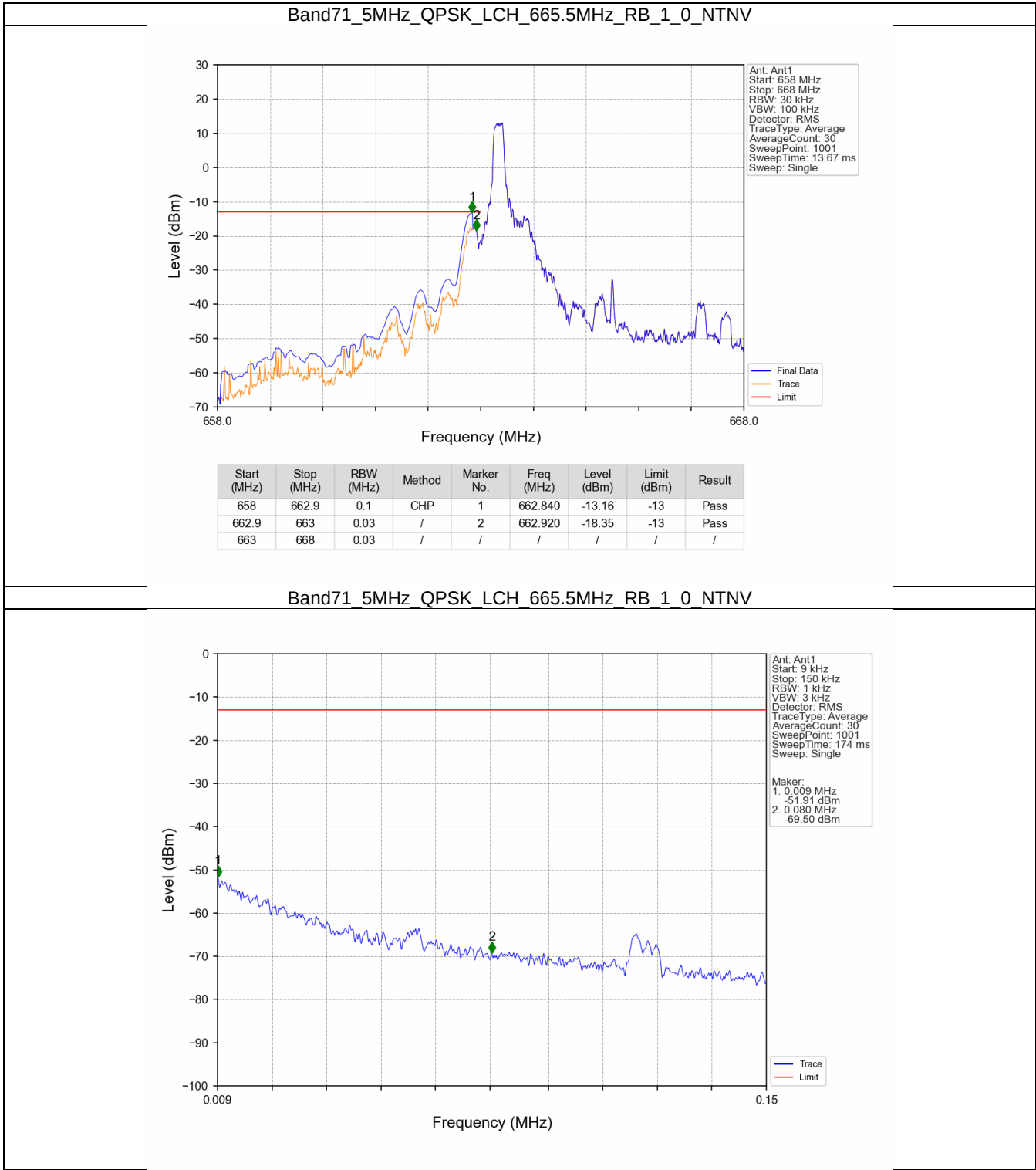
		75	0	Refer To Test Graph	Pass
	680.5	1	0	Refer To Test Graph	Pass
	690.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

6.1.4 B71_20MHz

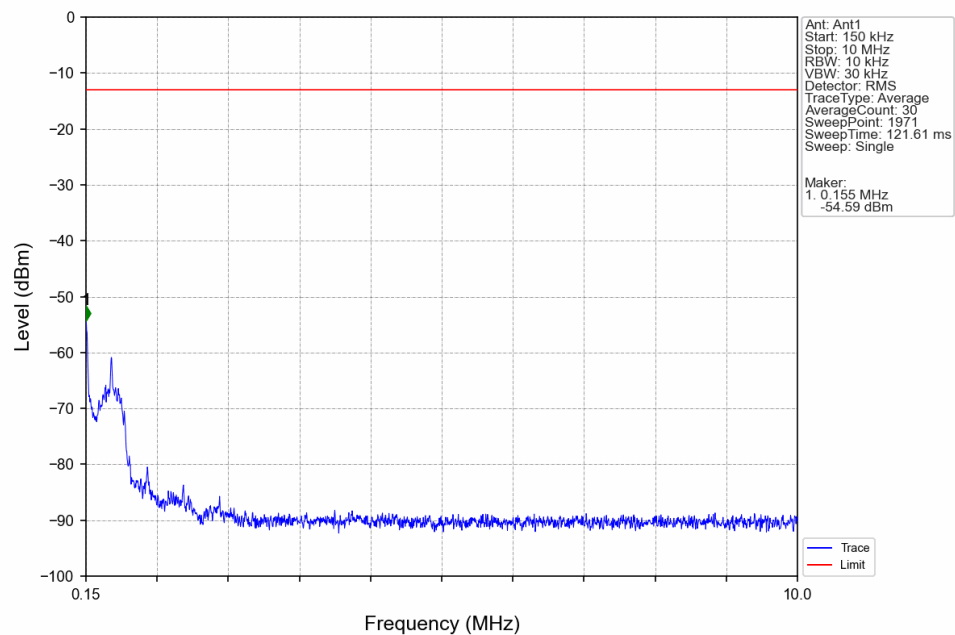
Band: 71 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	673	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	683	1	0	Refer To Test Graph	Pass
	688	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
16QAM	673	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	683	1	0	Refer To Test Graph	Pass
	688	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

6.2 Test Graph

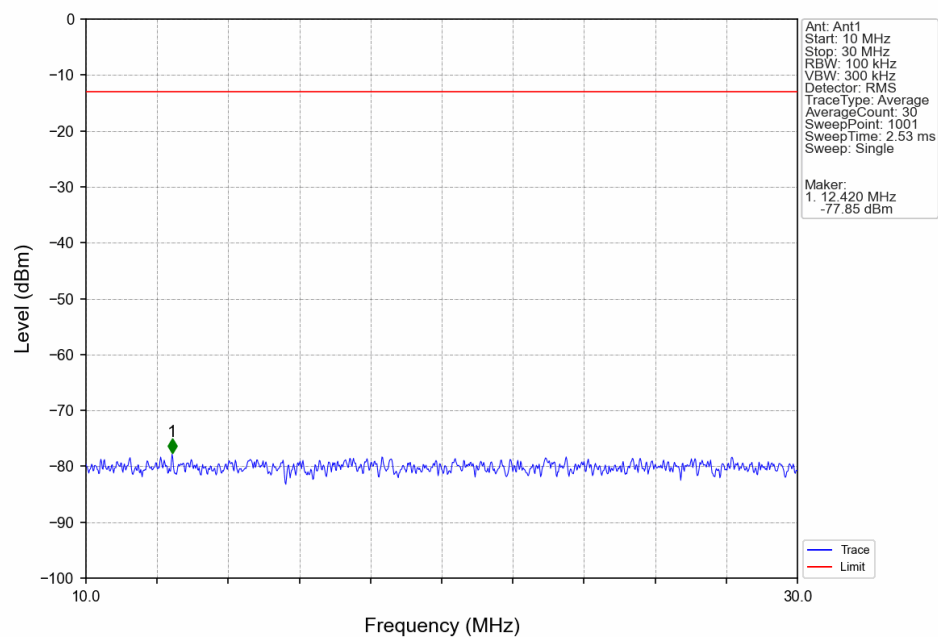
6.2.1 B71_5MHz



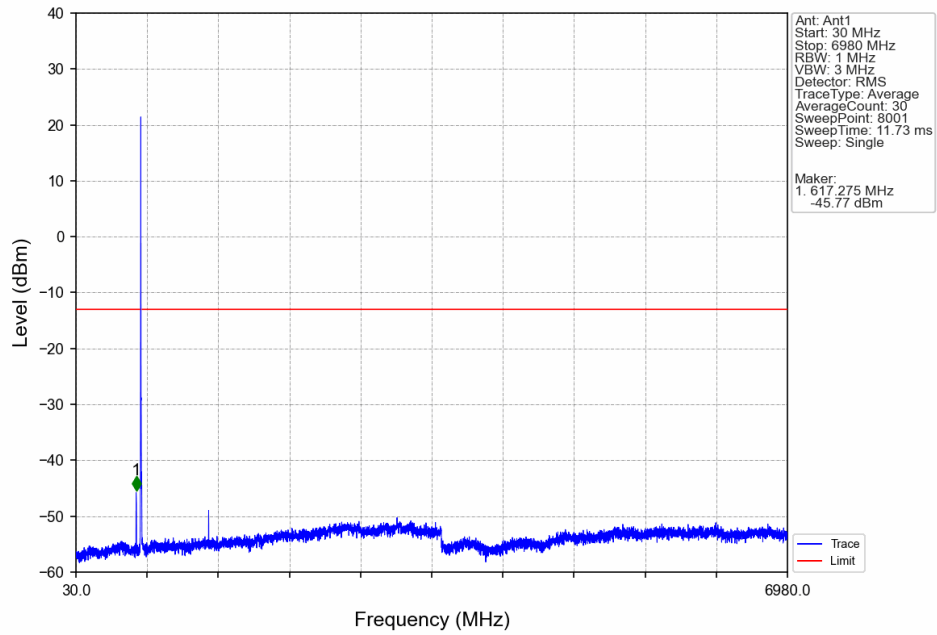
Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTNV



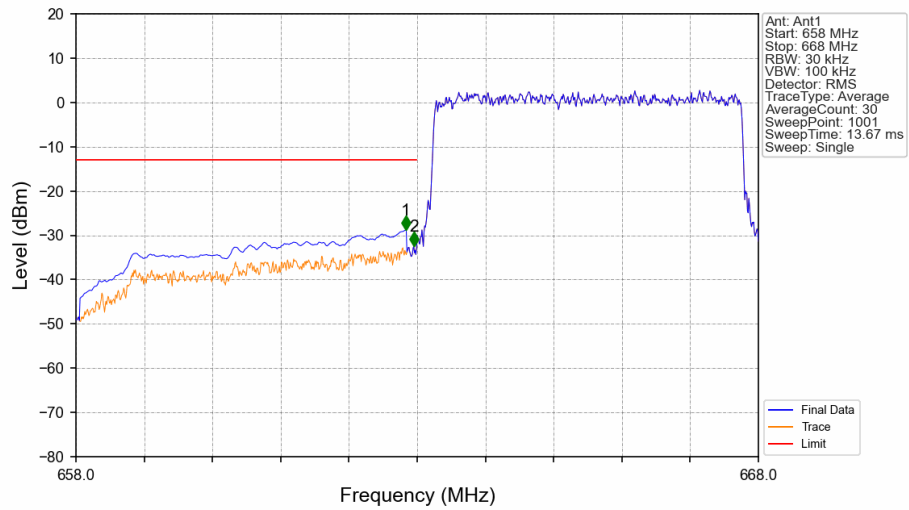
Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTNV



Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTNV

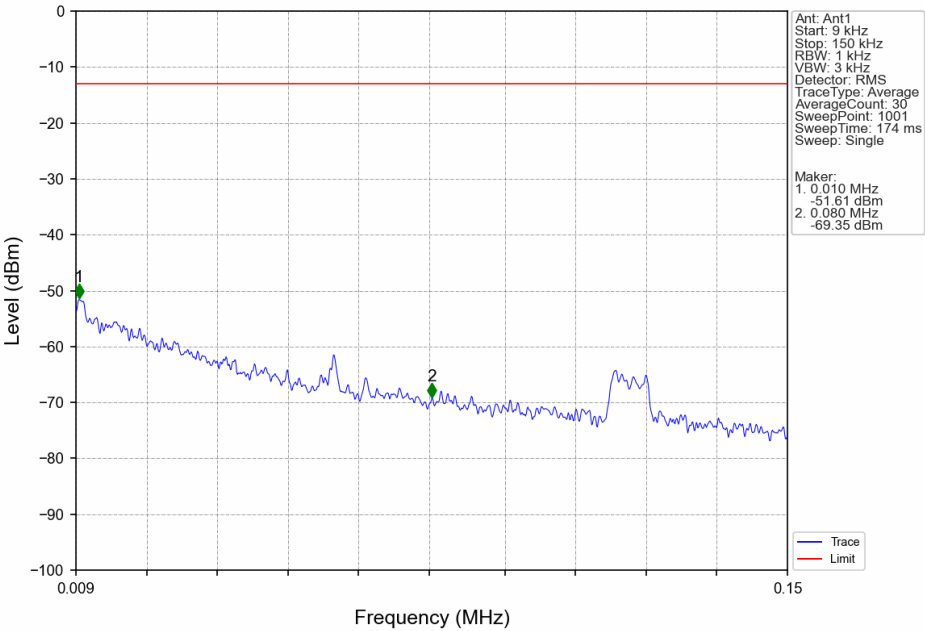


Band71 5MHz QPSK LCH 665.5MHz RB 25 0 NTNV

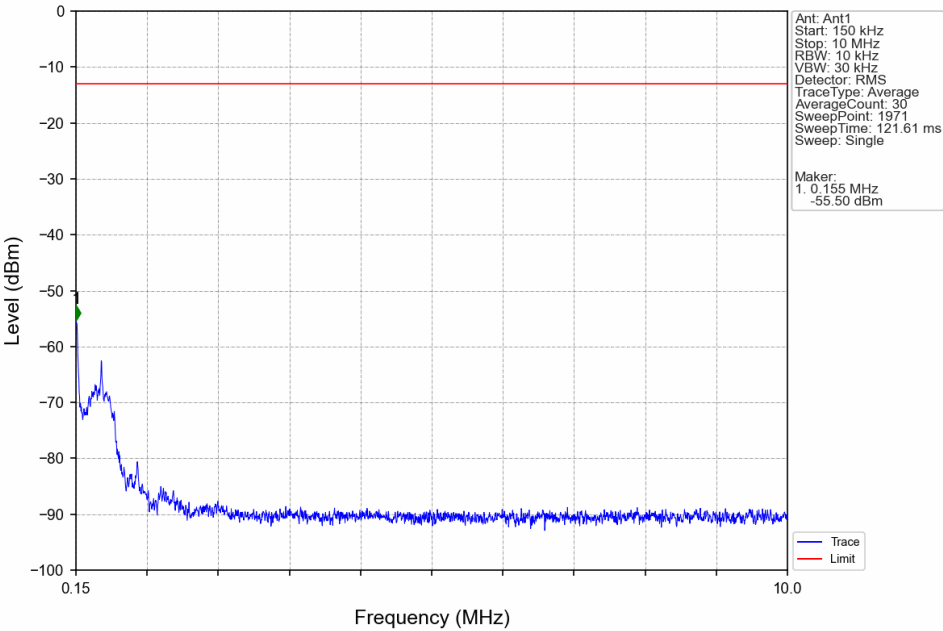


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.830	-28.82	-13	Pass
662.9	663	0.03	/	2	662.950	-32.39	-13	Pass
663	668	0.03	/	/	/	/	/	/

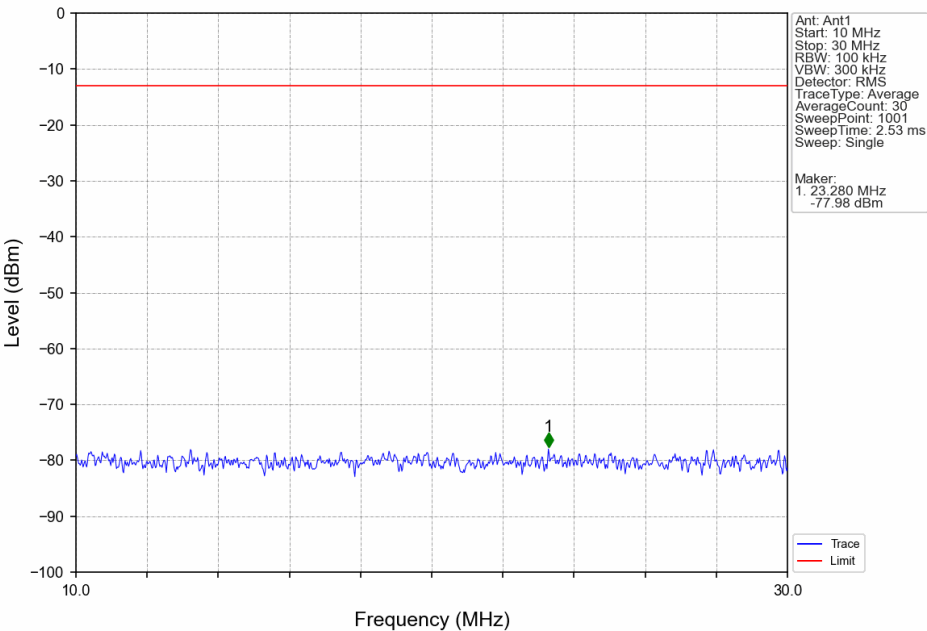
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



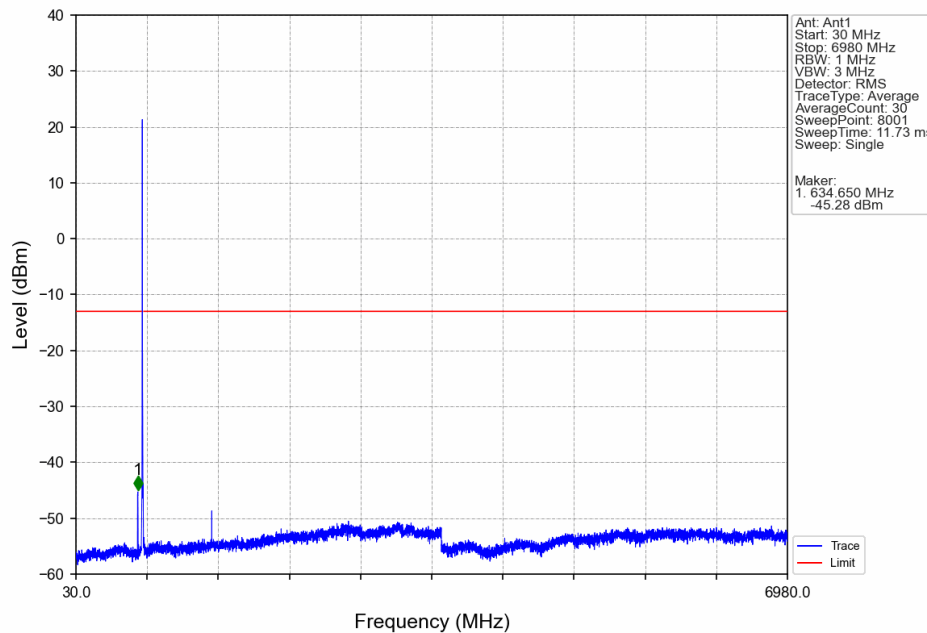
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



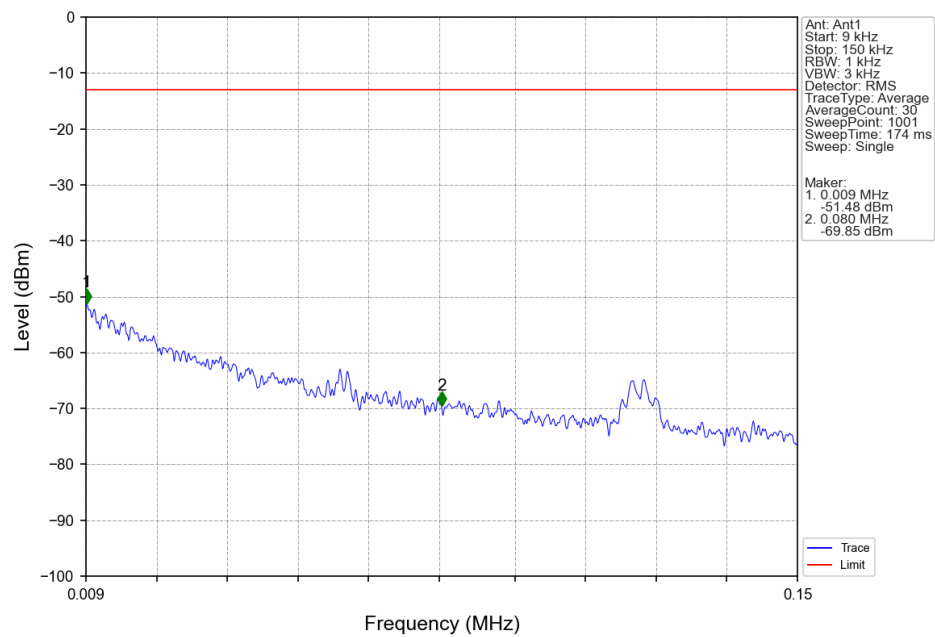
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



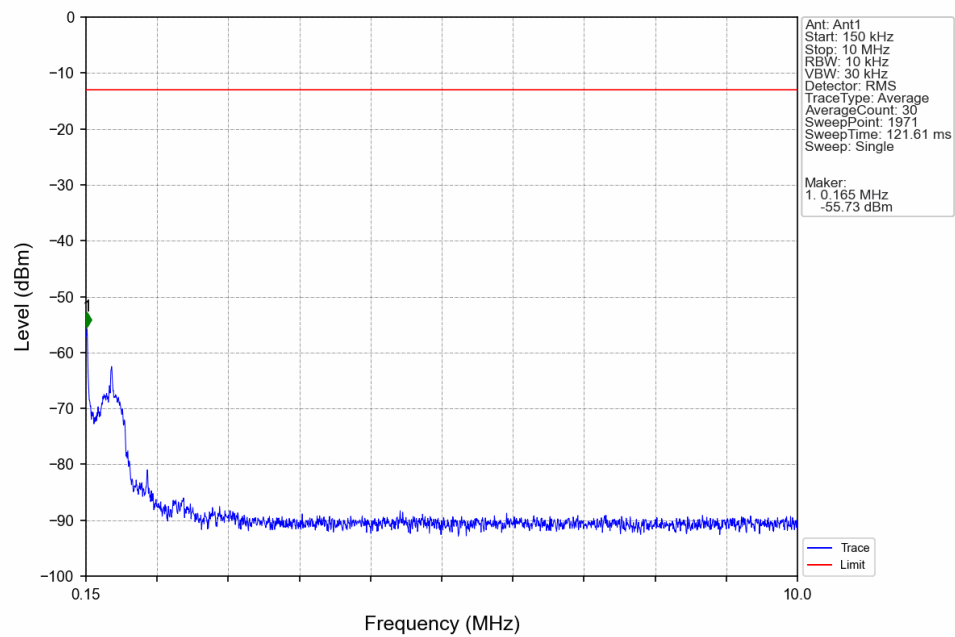
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



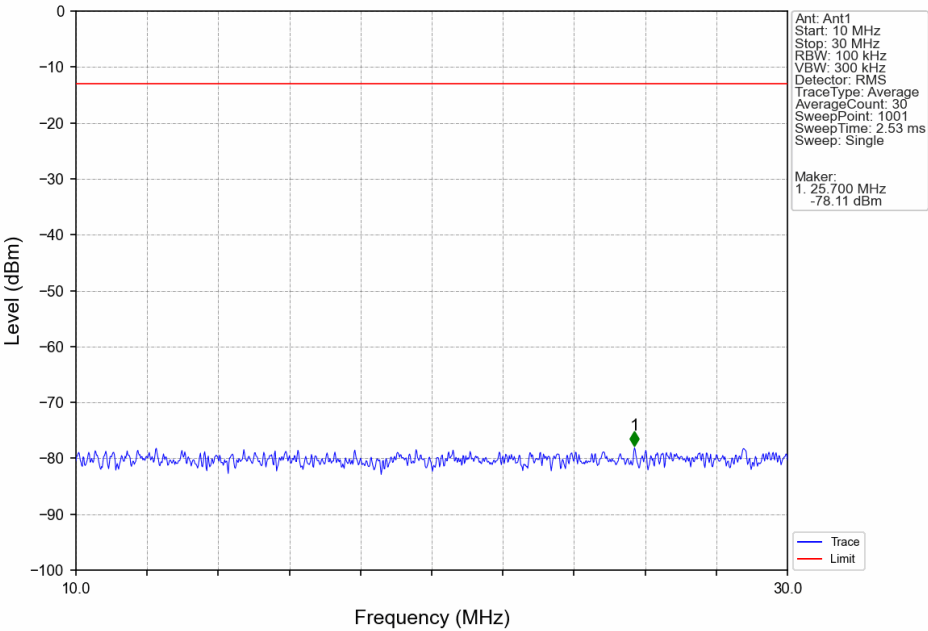
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTNV



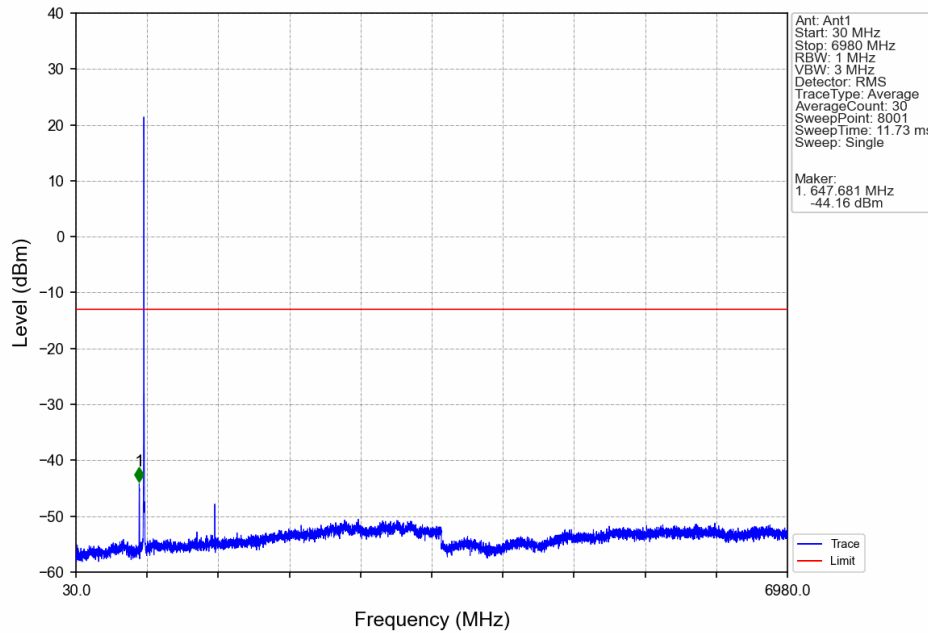
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTNV



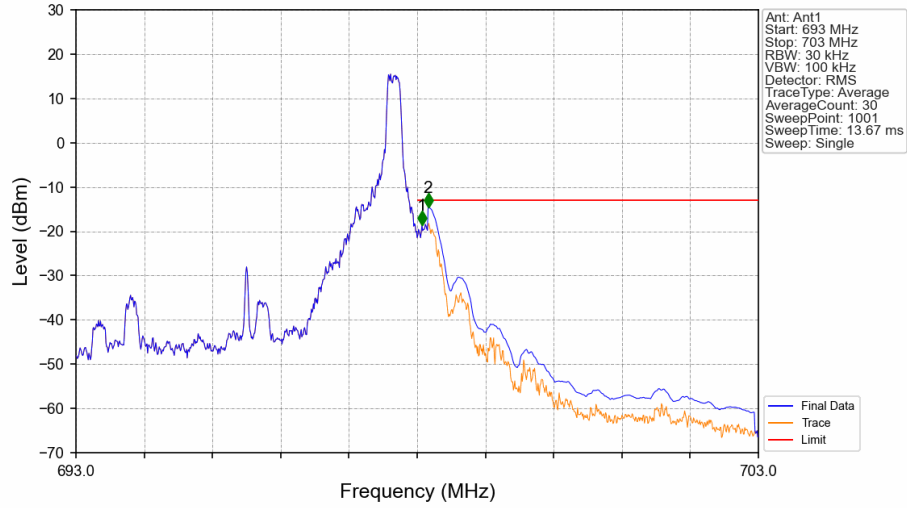
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTNV



Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTNV

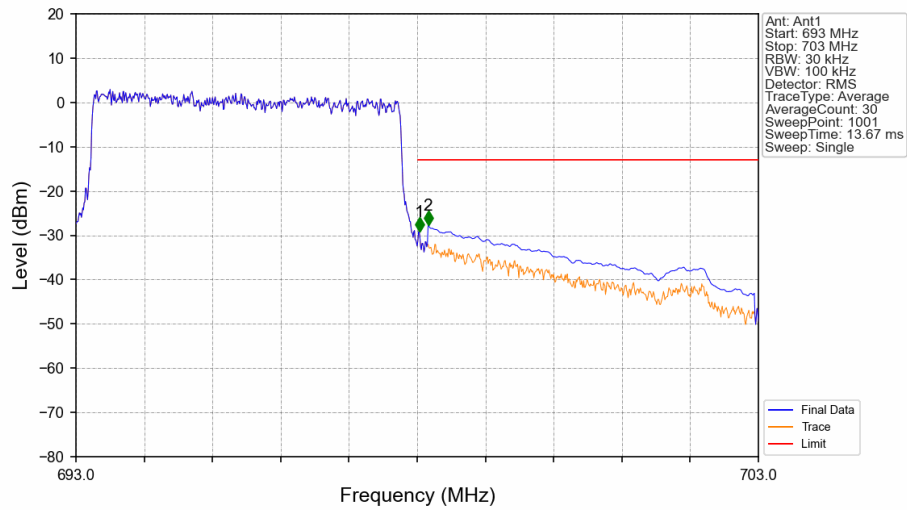


Band71 5MHz QPSK HCH 695.5MHz RB 1 24 NTV



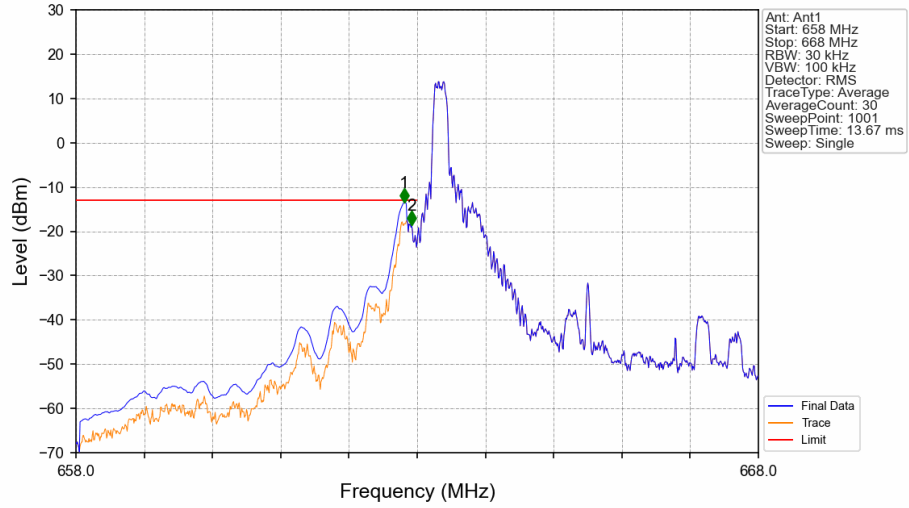
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.070	-18.65	-13	Pass
698.1	703	0.1	CHP	2	698.160	-14.50	-13	Pass

Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



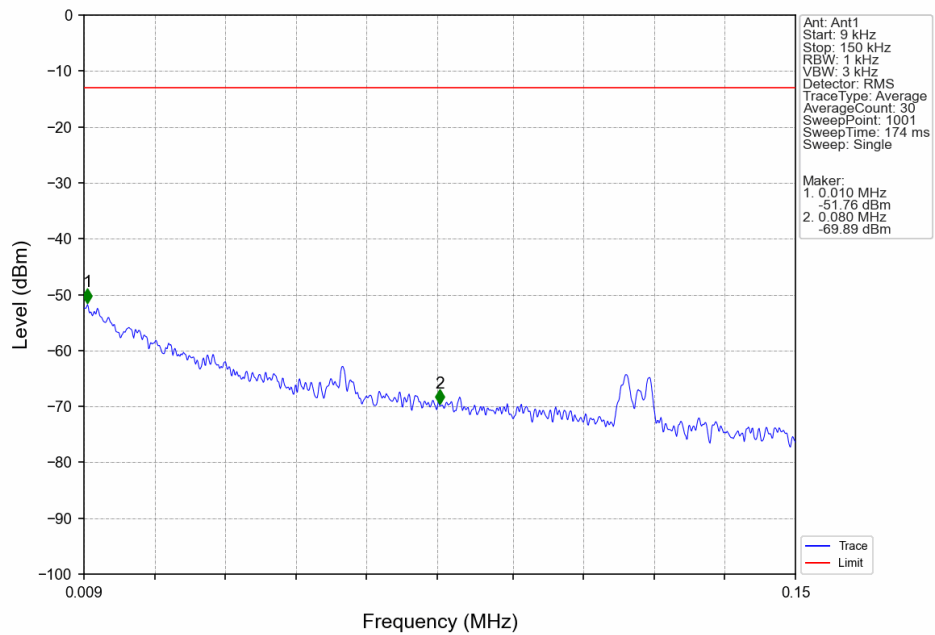
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.030	-29.13	-13	Pass
698.1	703	0.1	CHP	2	698.160	-27.73	-13	Pass

Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV

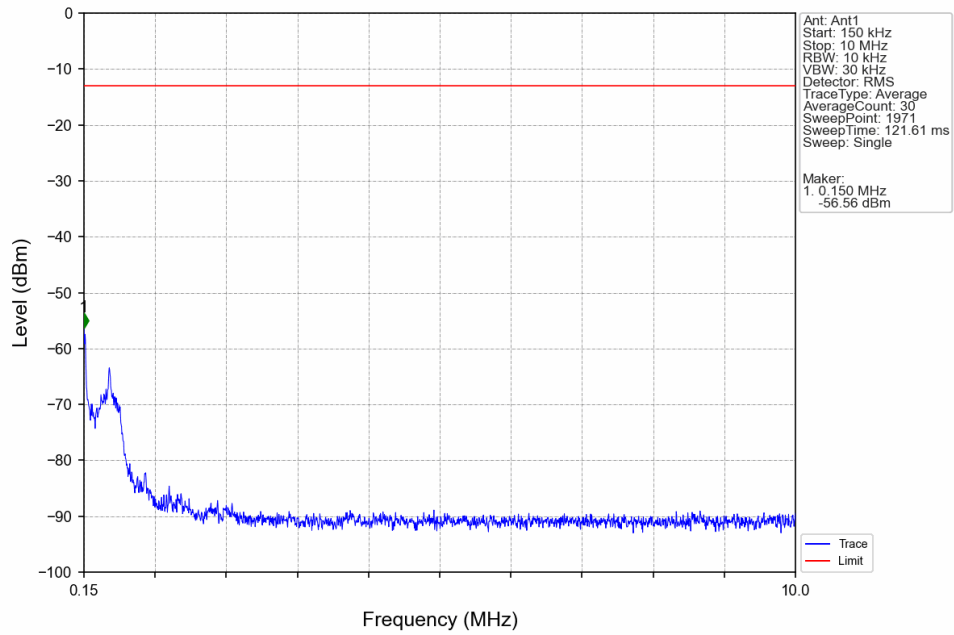


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.810	-13.49	-13	Pass
662.9	663	0.03	/	2	662.920	-18.66	-13	Pass
663	668	0.03	/	/	/	/	/	/

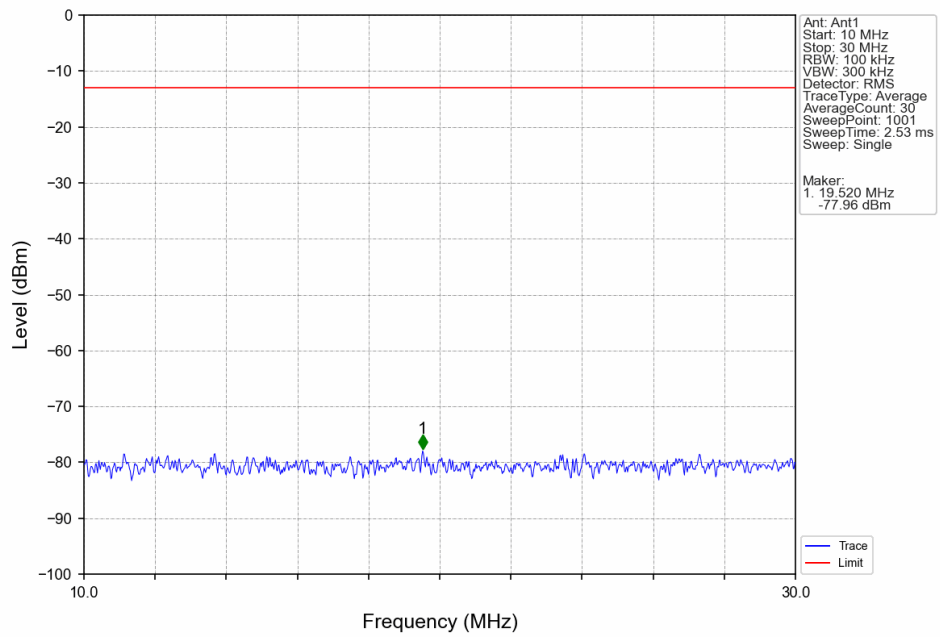
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV



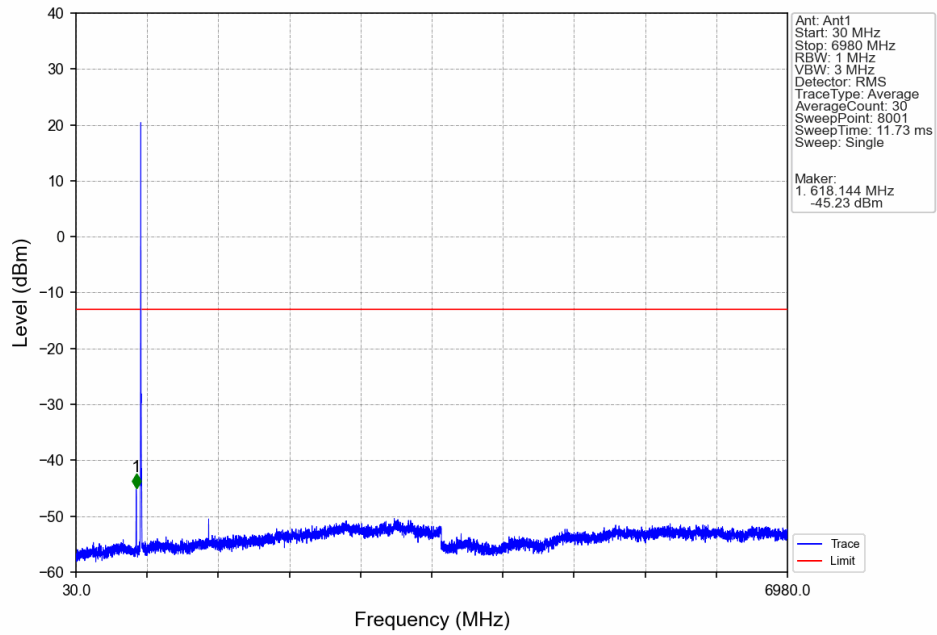
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV



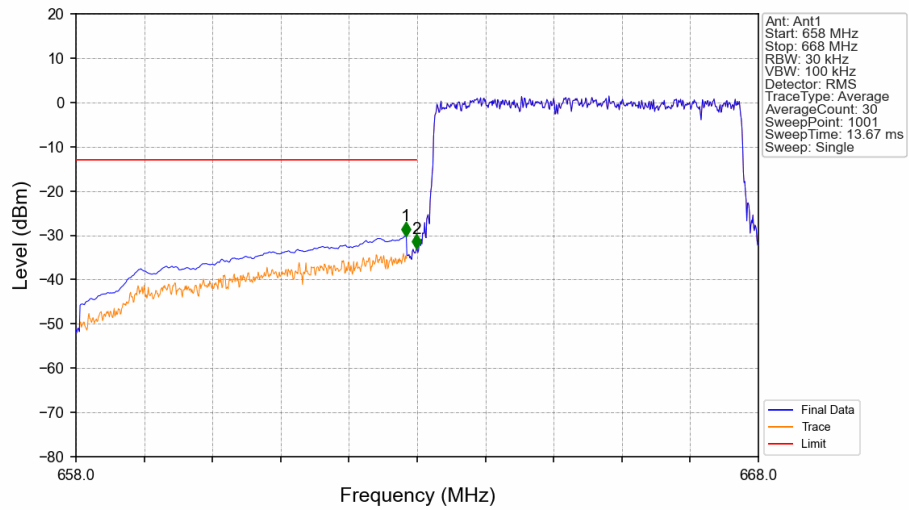
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV



Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV

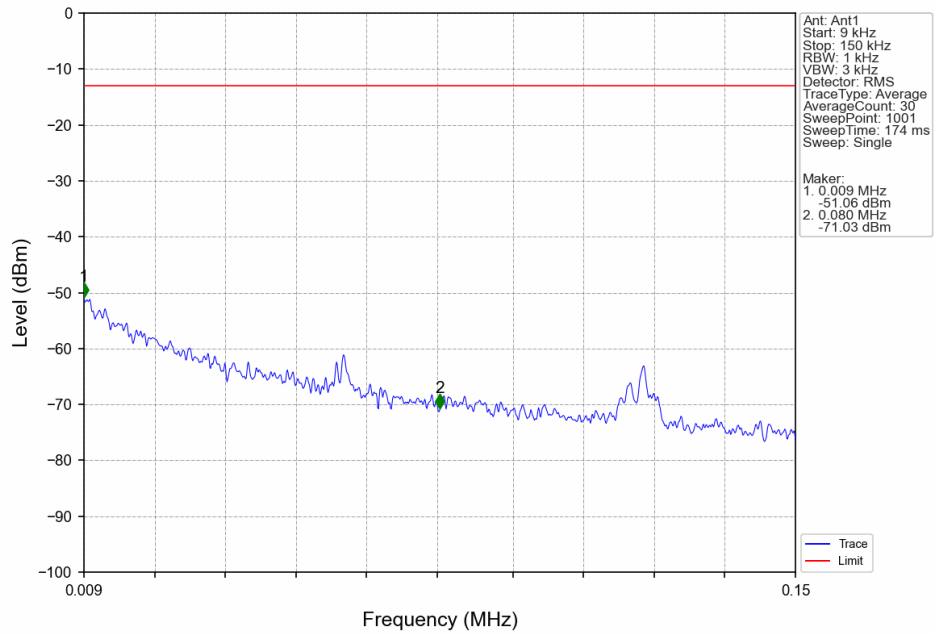


Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV

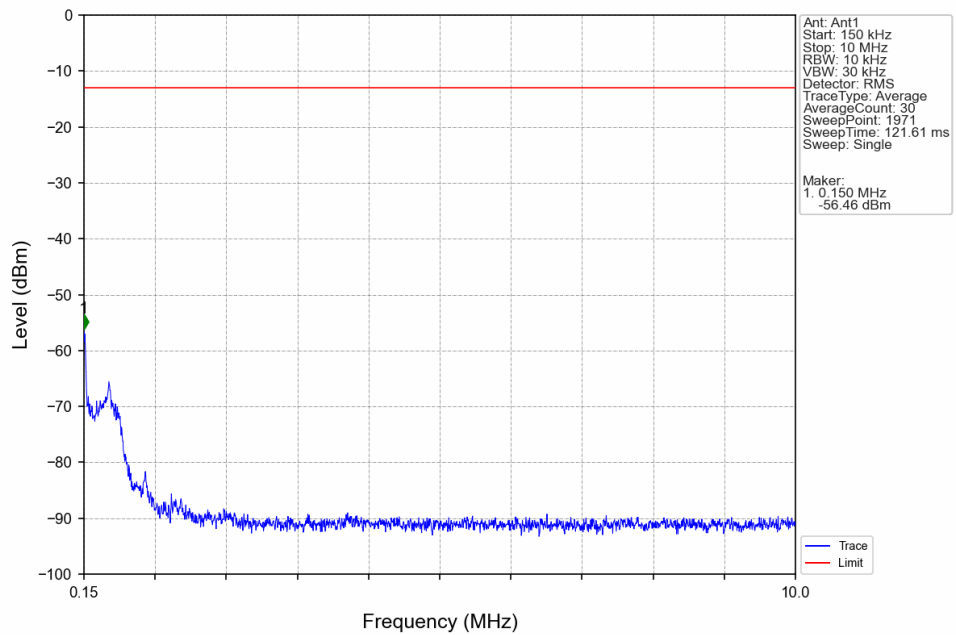


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.830	-30.13	-13	Pass
662.9	663	0.03	/	2	662.990	-32.87	-13	Pass
663	668	0.03	/	/	/	/	/	/

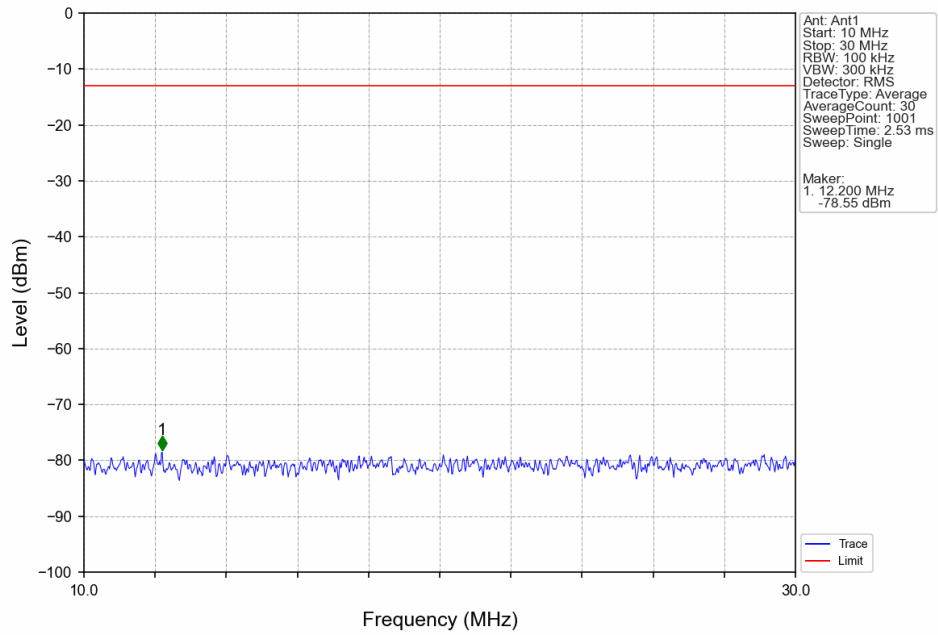
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



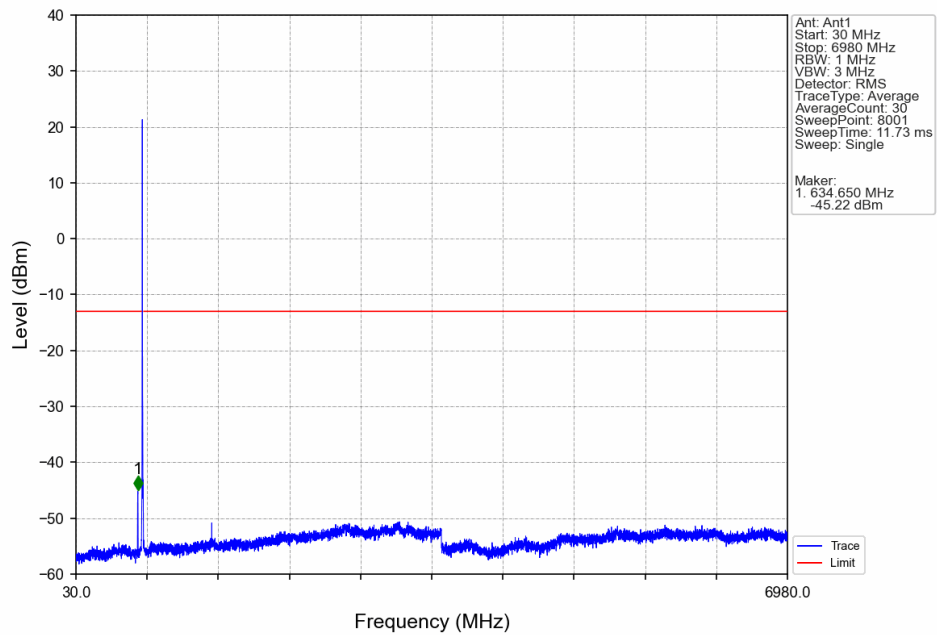
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



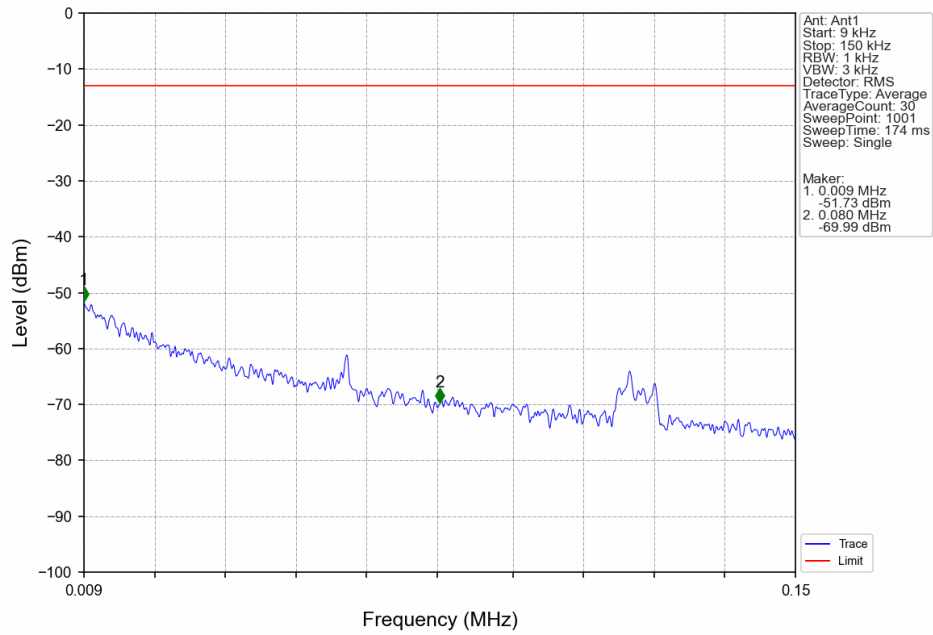
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



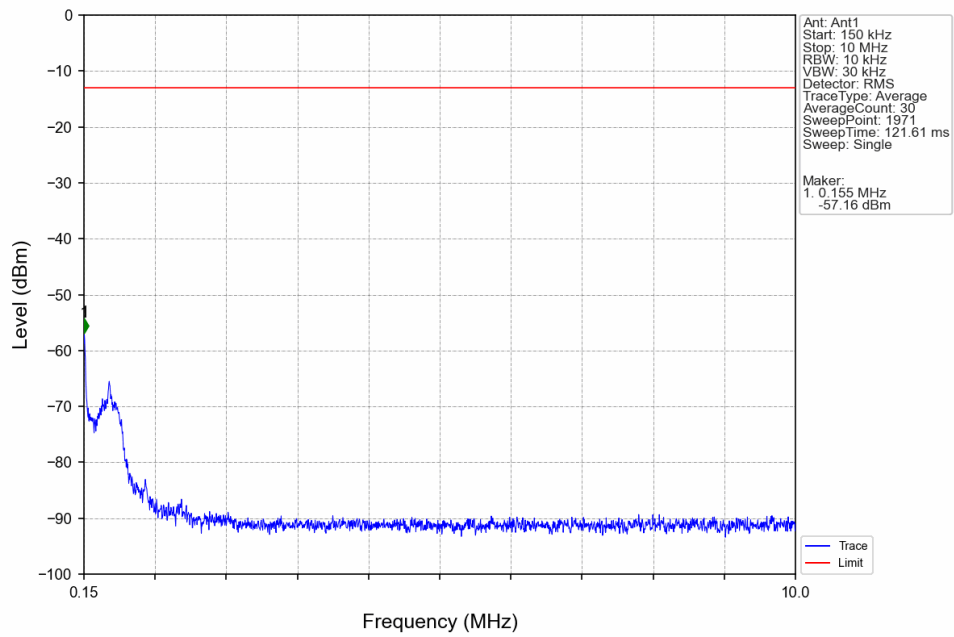
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



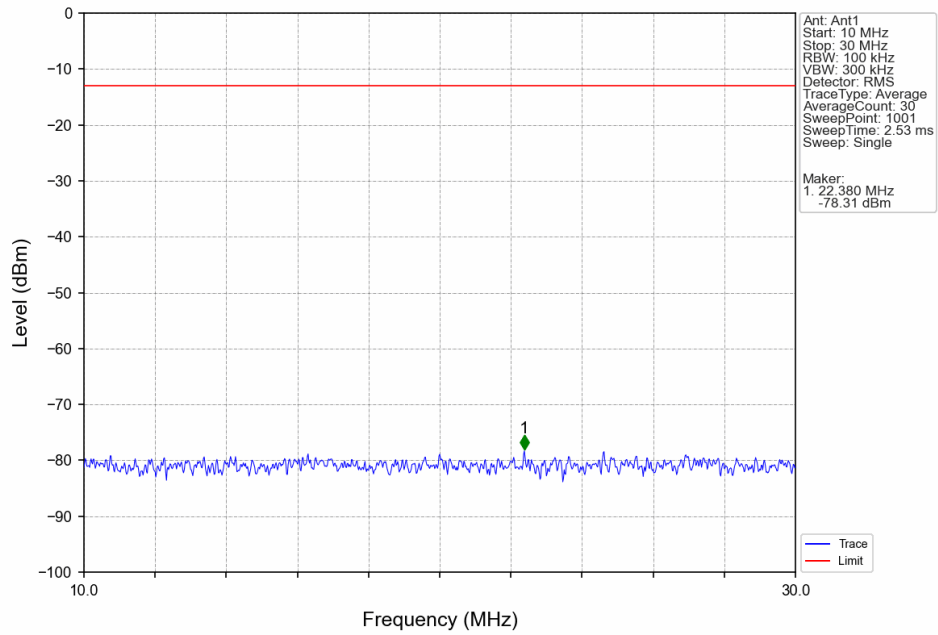
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTNV



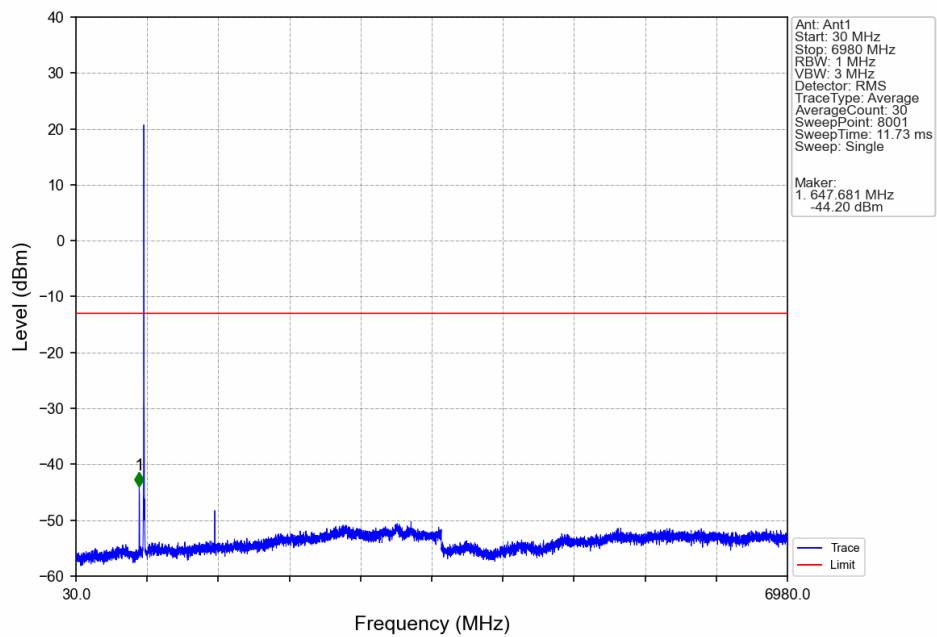
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTNV



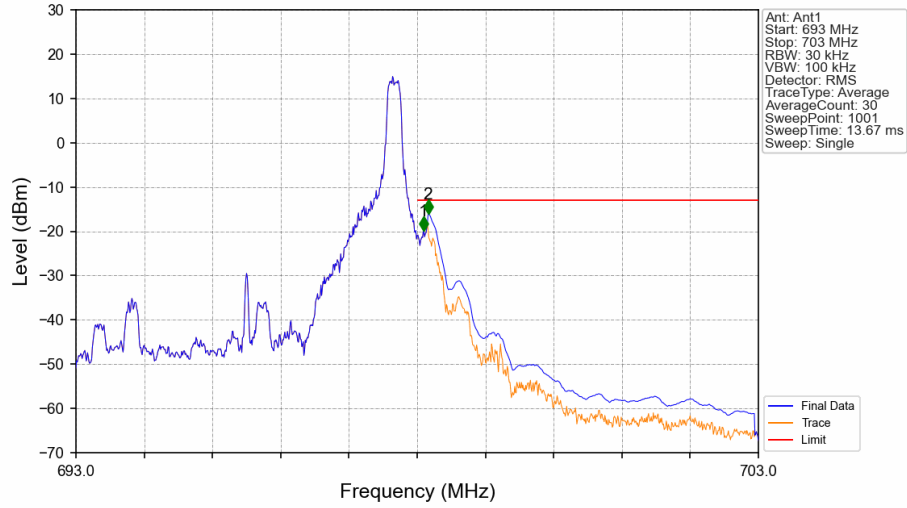
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTV



Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTV

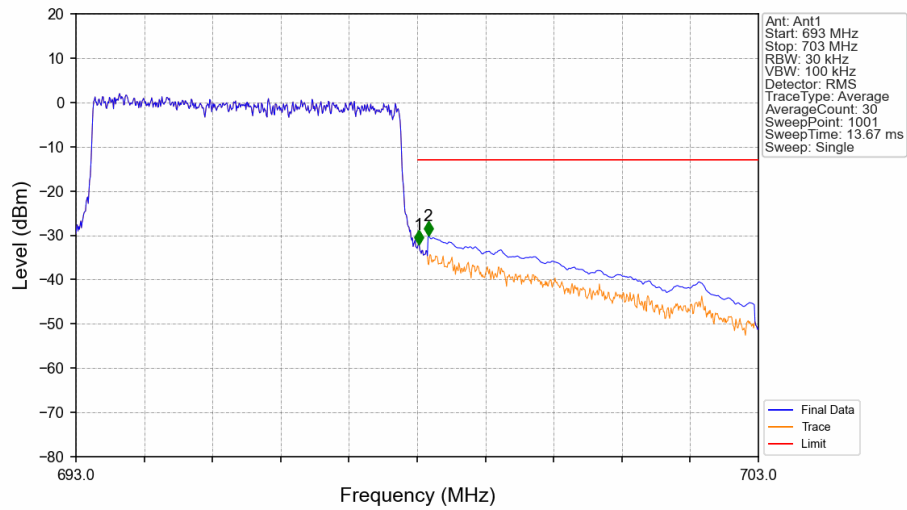


Band71 5MHz 16QAM HCH 695.5MHz RB 1 24 NTNV



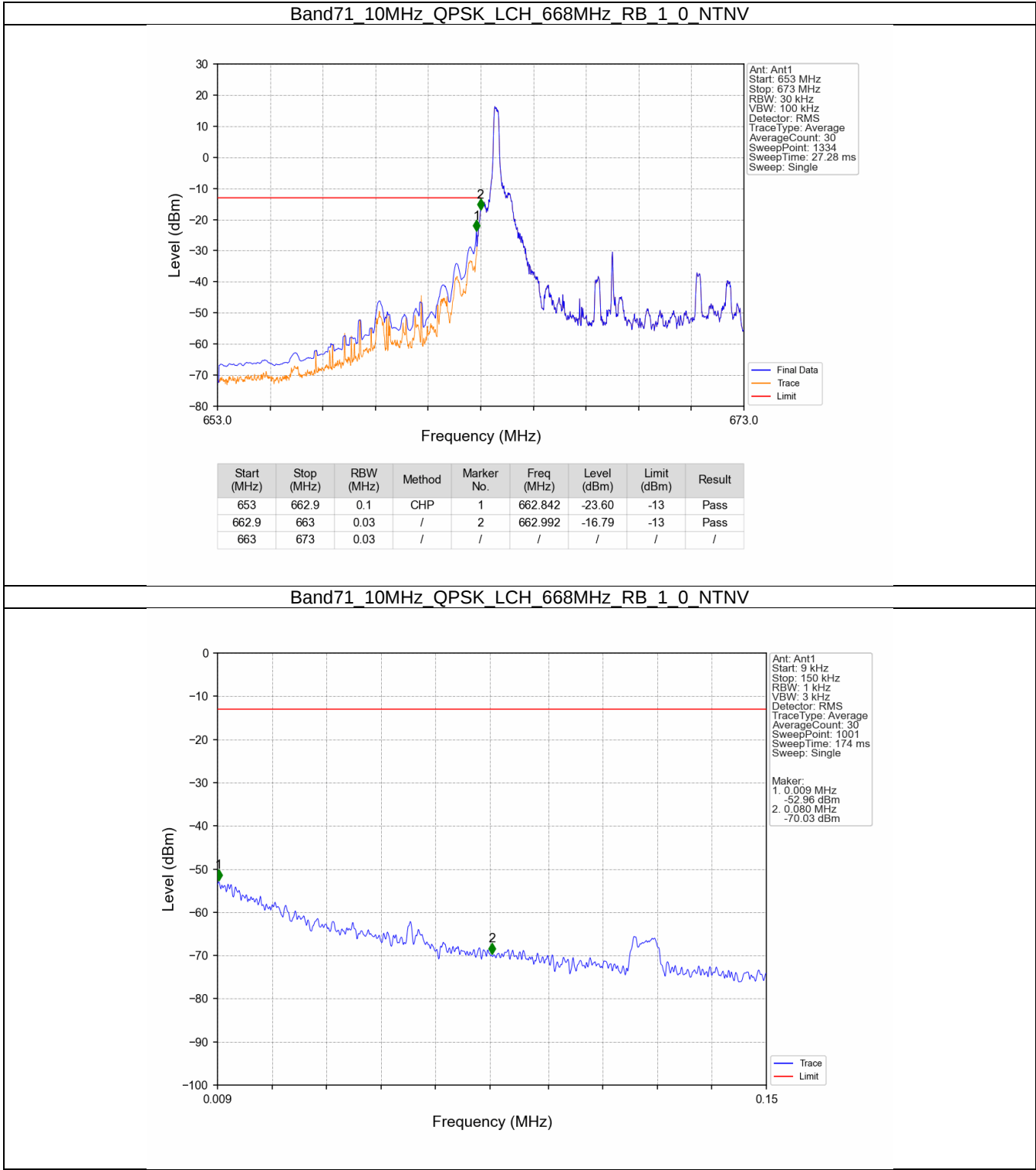
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.090	-19.79	-13	Pass
698.1	703	0.1	CHP	2	698.160	-16.02	-13	Pass

Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV

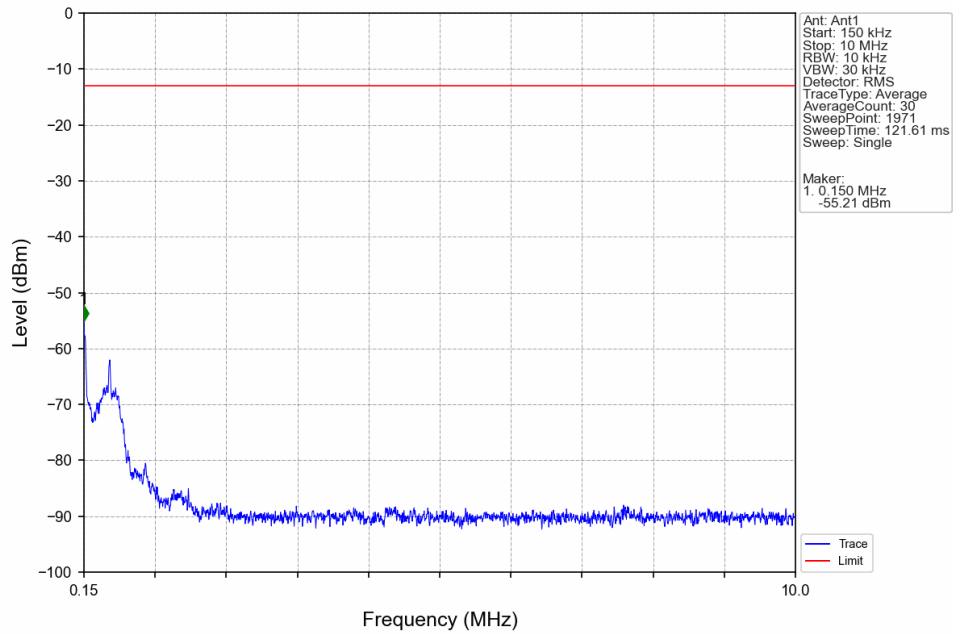


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.020	-31.98	-13	Pass
698.1	703	0.1	CHP	2	698.160	-30.05	-13	Pass

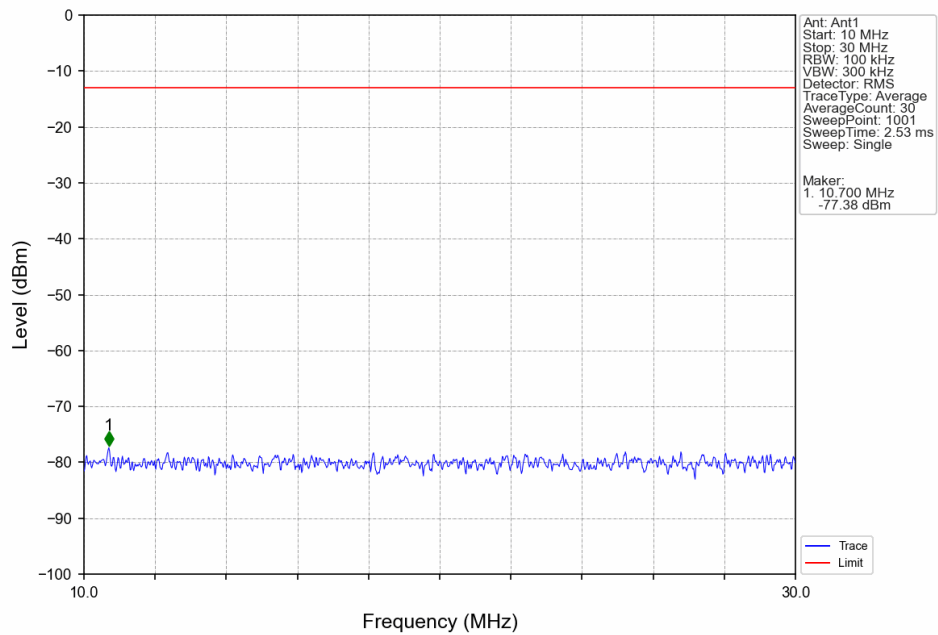
6.2.2 B71_10MHz



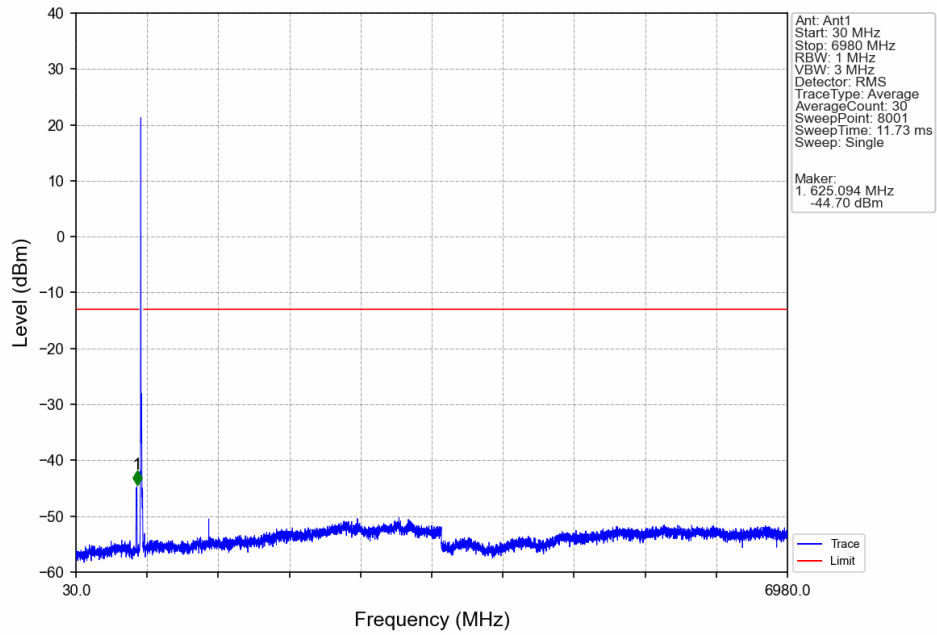
Band71 10MHz QPSK LCH 668MHz RB 1 0 NTNV



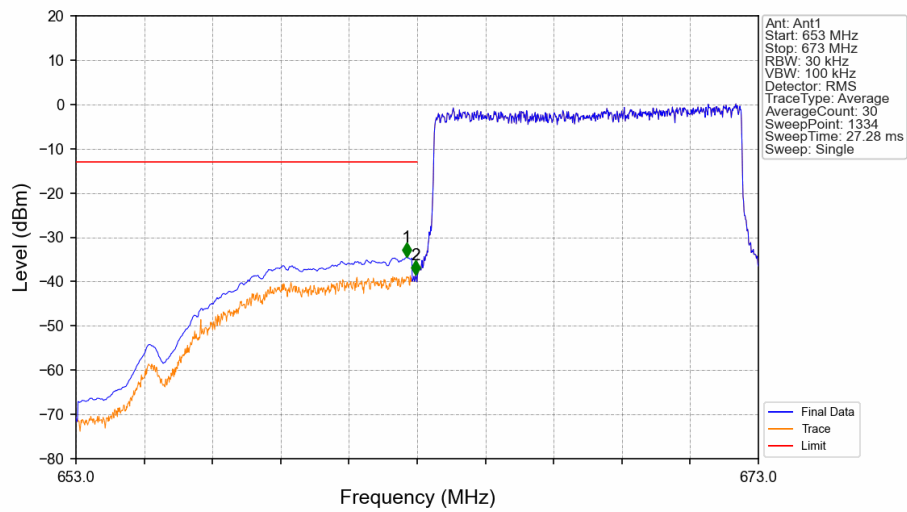
Band71 10MHz QPSK LCH 668MHz RB 1 0 NTNV



Band71 10MHz QPSK LCH 668MHz RB 1 0 NTNV

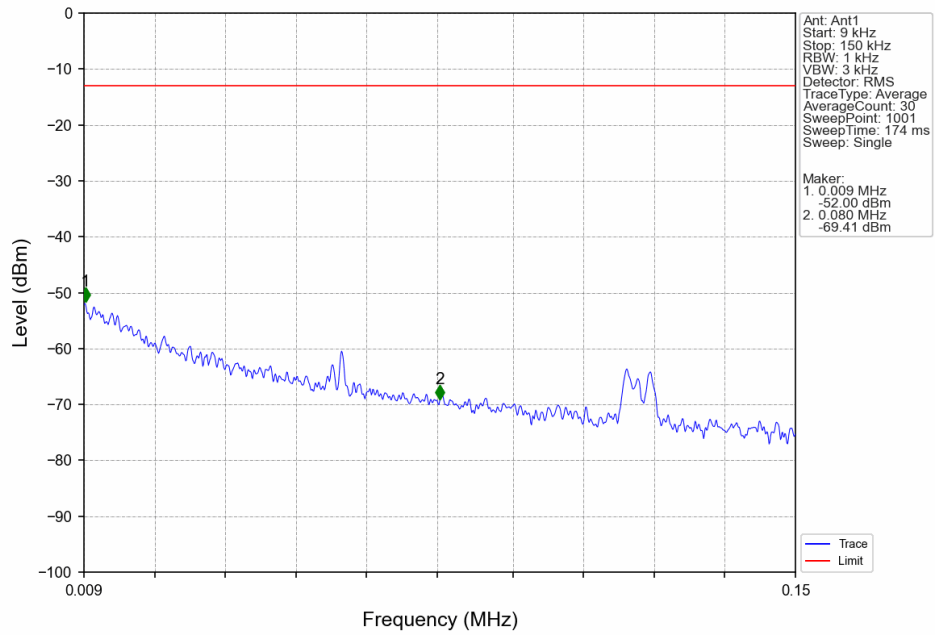


Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV

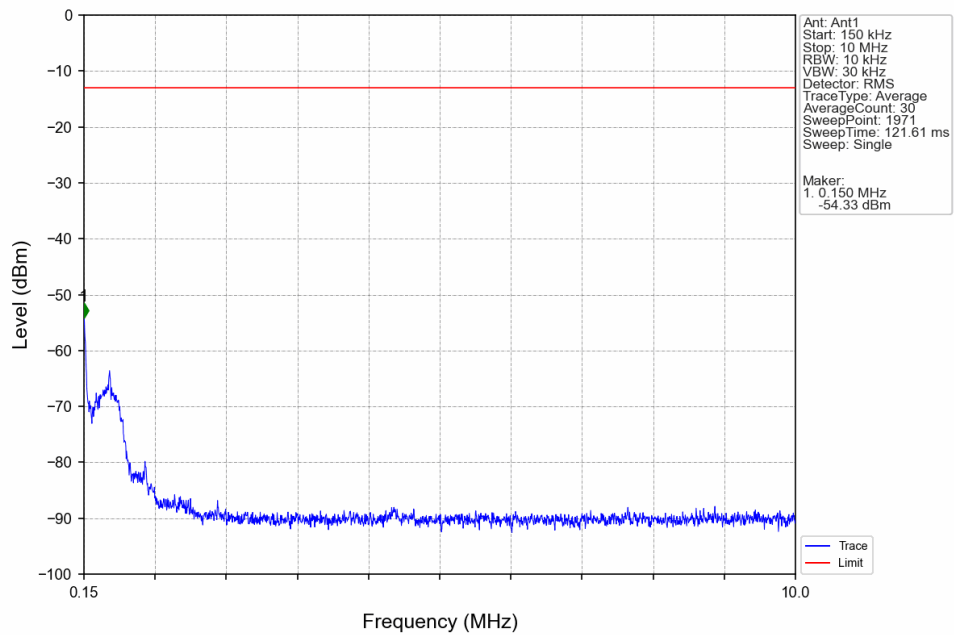


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.692	-34.47	-13	Pass
662.9	663	0.03	/	2	662.962	-38.42	-13	Pass
663	673	0.03	/	/	/	/	/	/

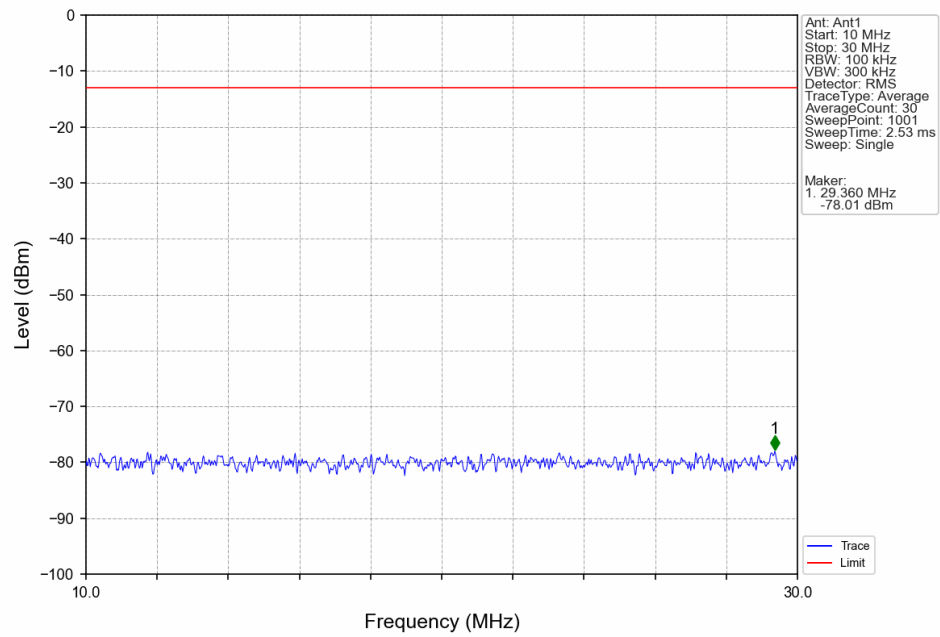
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTV



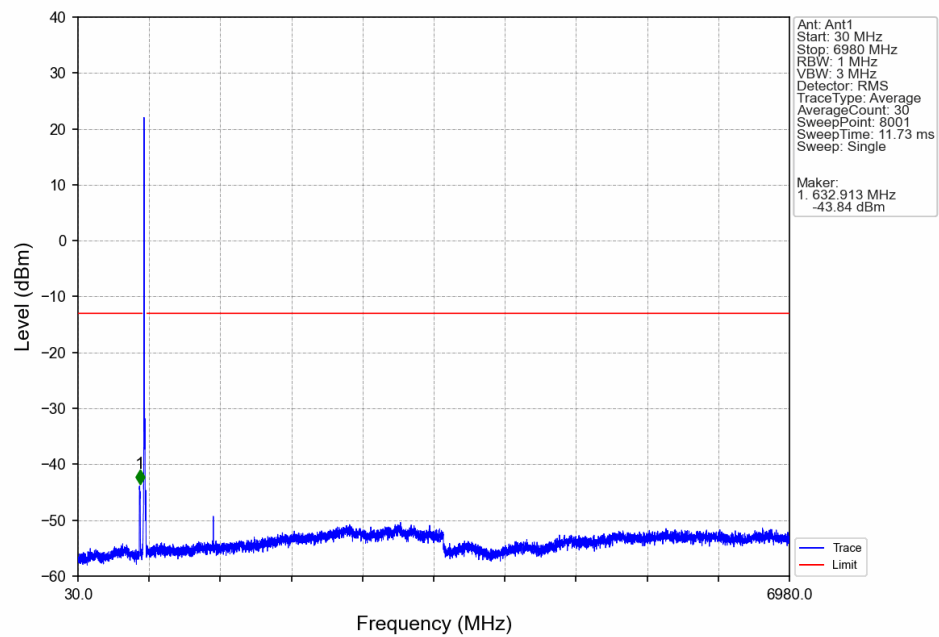
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTV



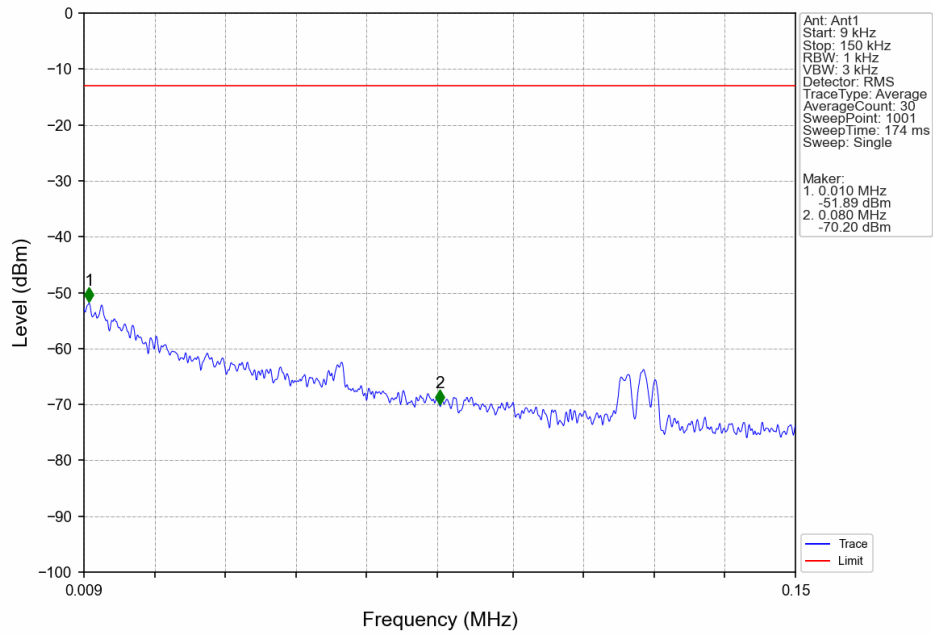
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



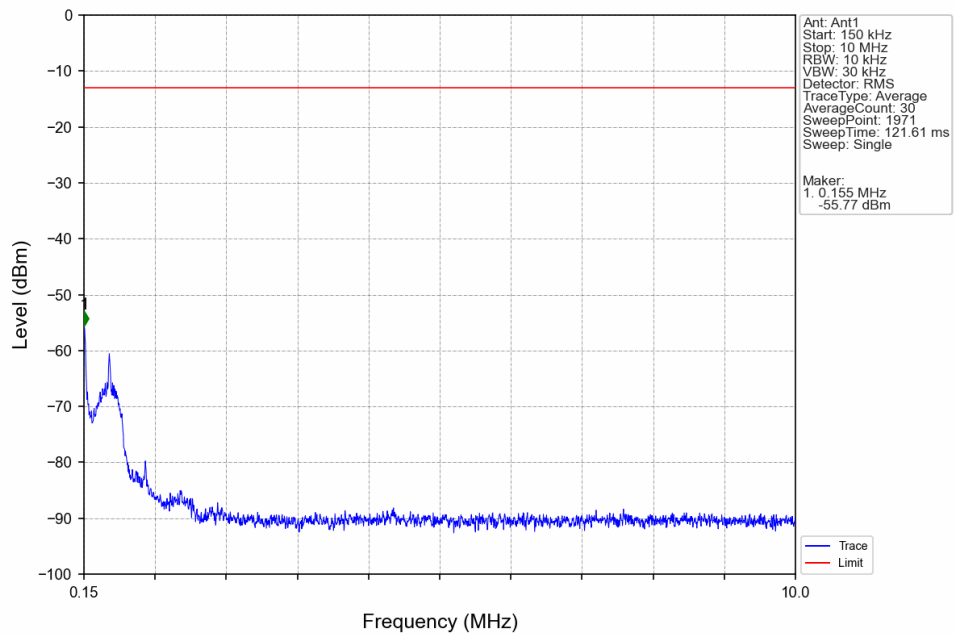
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



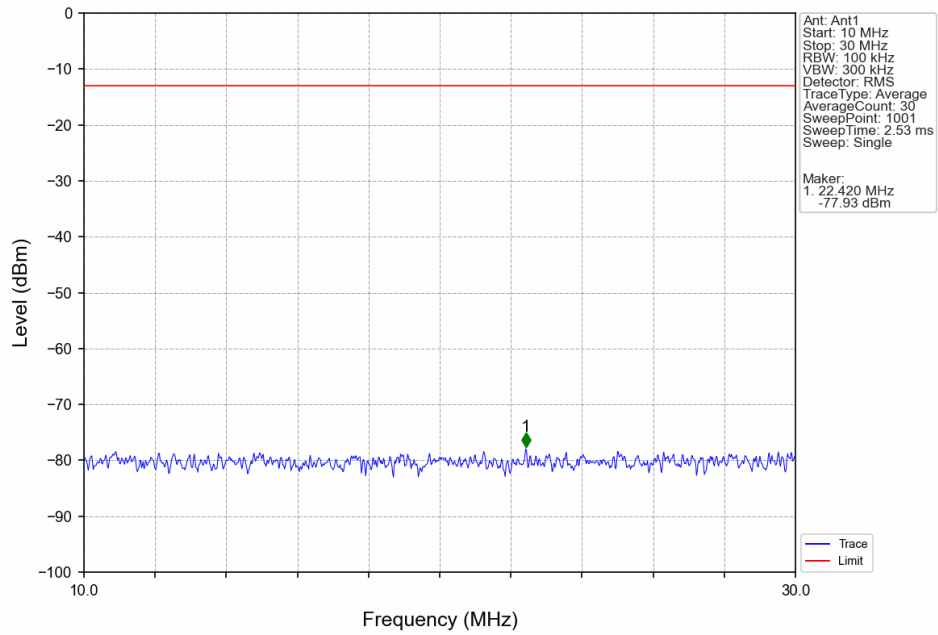
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTN



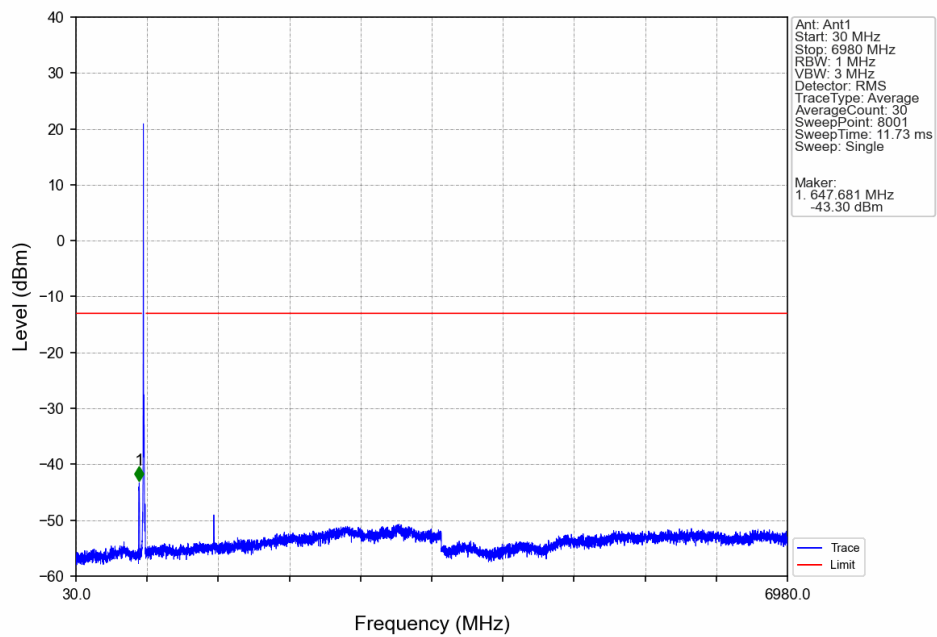
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTN



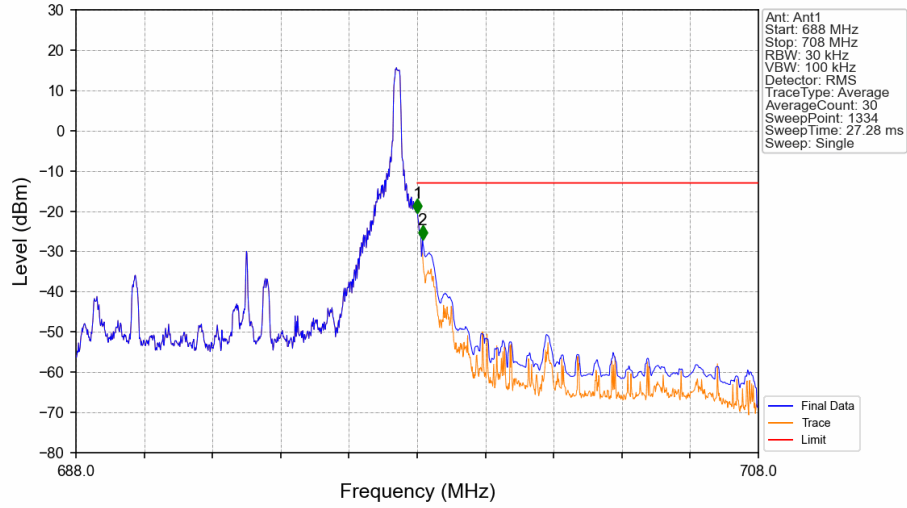
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTN



Band71 10MHz QPSK HCH 693MHz RB 1 0 NTN

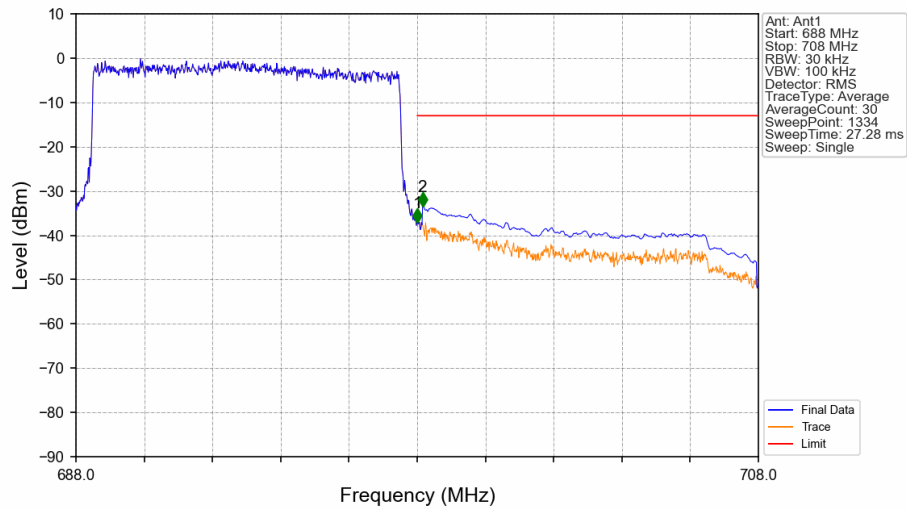


Band71 10MHz QPSK HCH 693MHz RB 1 49 NTNV



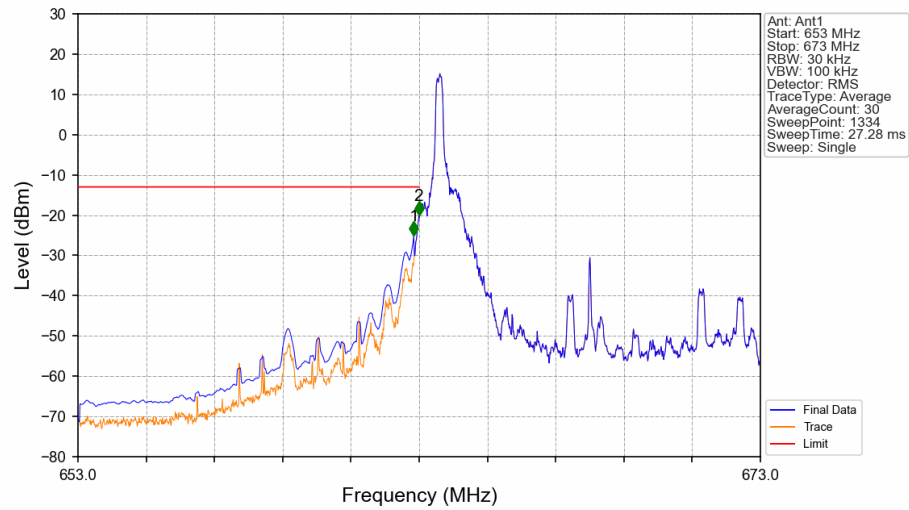
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.008	-20.44	-13	Pass
698.1	708	0.1	CHP	2	698.158	-27.02	-13	Pass

Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



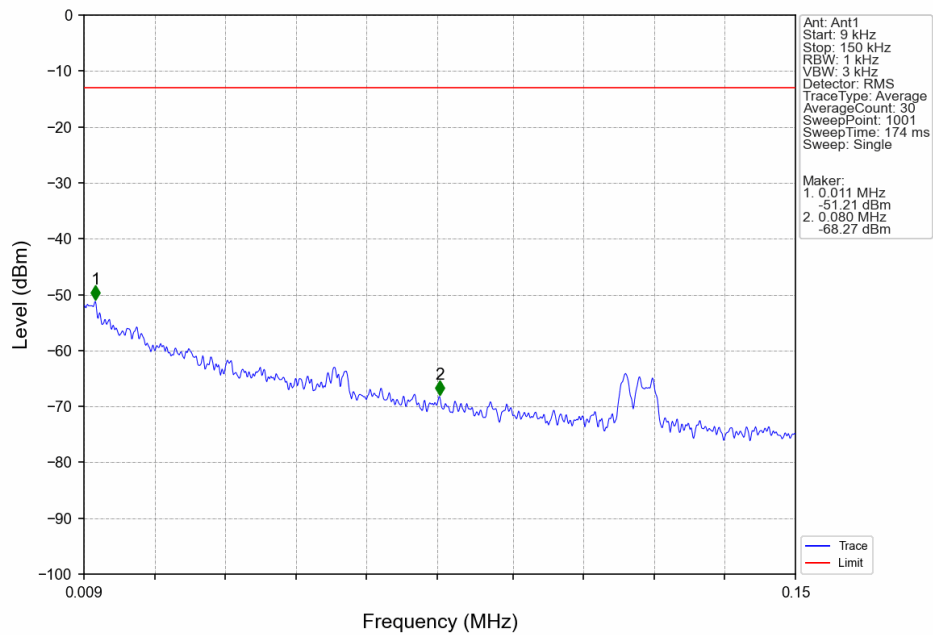
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.008	-37.07	-13	Pass
698.1	708	0.1	CHP	2	698.158	-33.50	-13	Pass

Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV

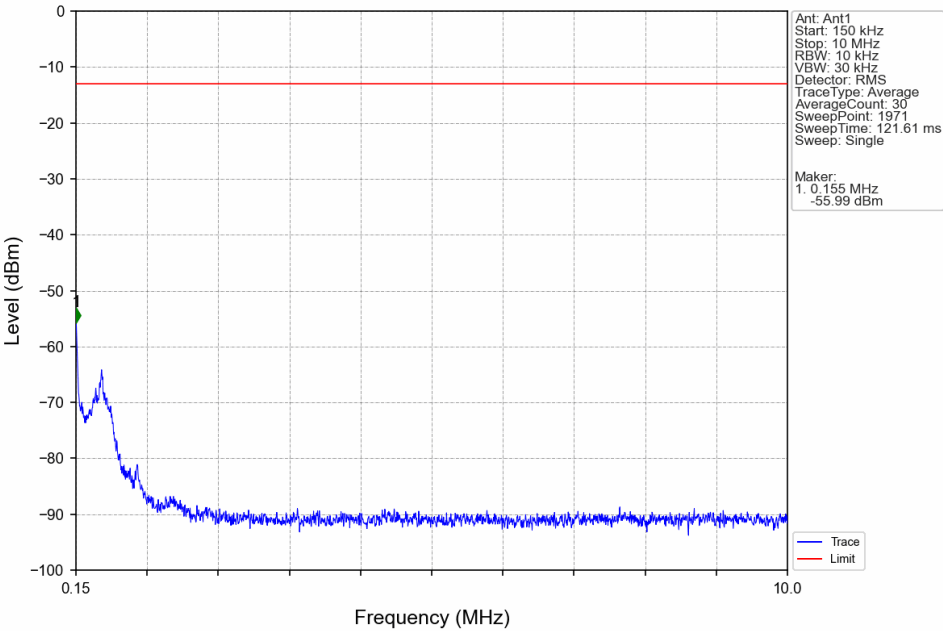


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.842	-25.06	-13	Pass
662.9	663	0.03	/	2	662.992	-20.11	-13	Pass
663	673	0.03	/	/	/	/	/	/

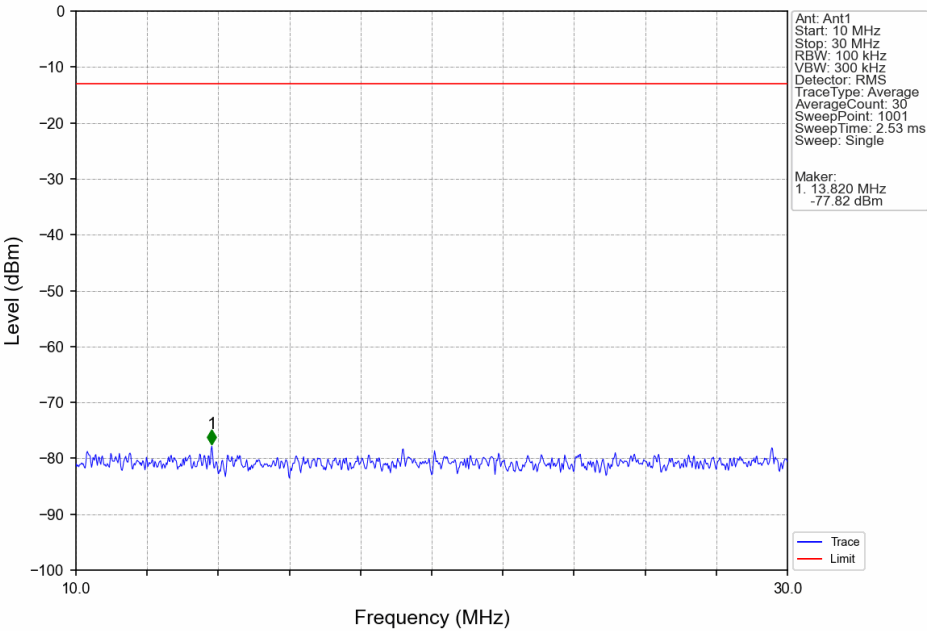
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



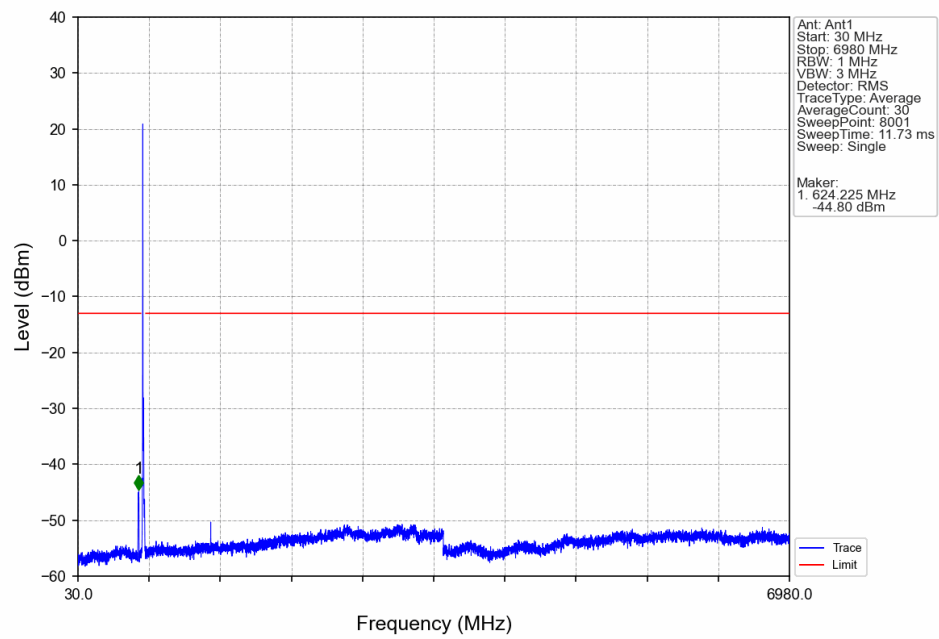
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



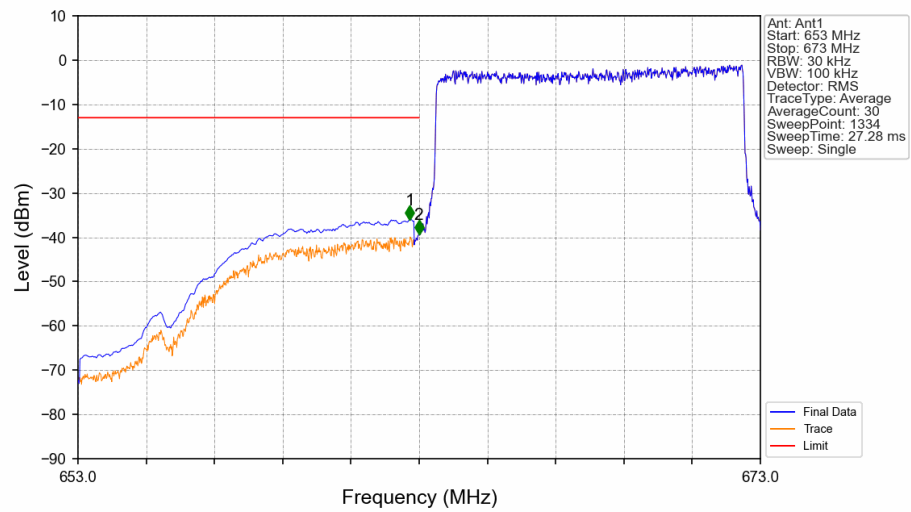
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV

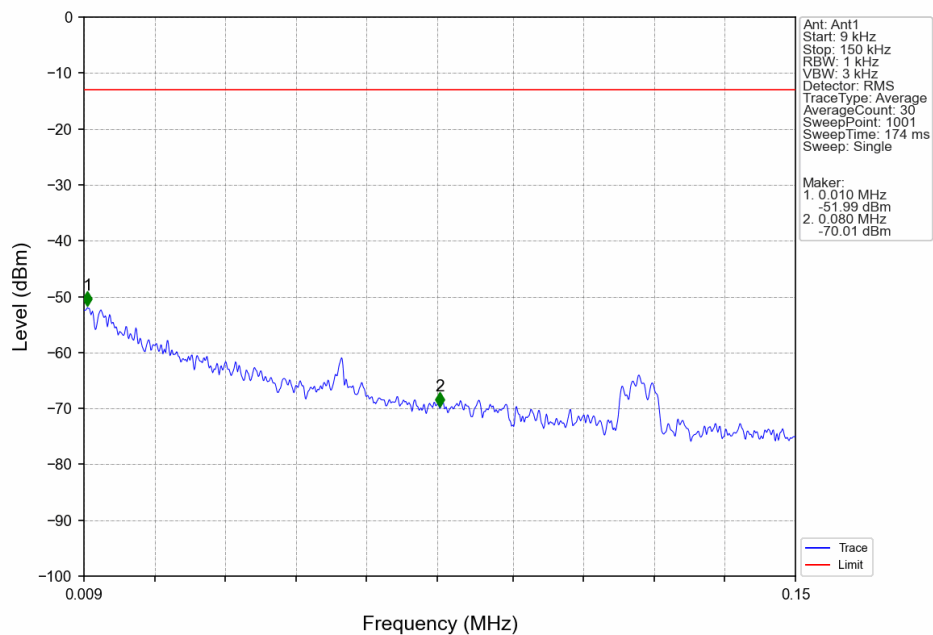


Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV

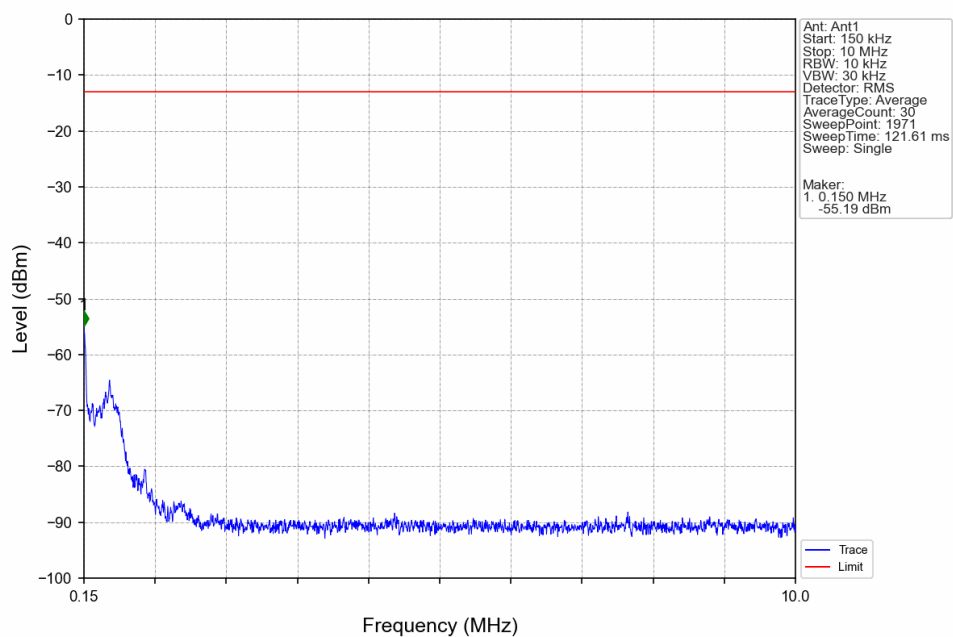


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.722	-35.98	-13	Pass
662.9	663	0.03	/	2	662.992	-39.29	-13	Pass
663	673	0.03	/	/	/	/	/	/

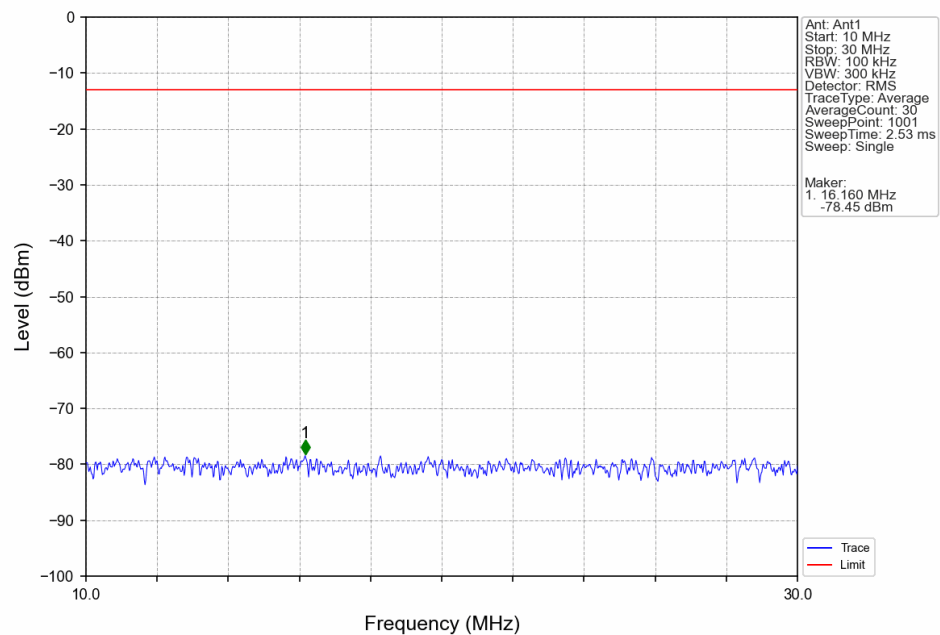
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



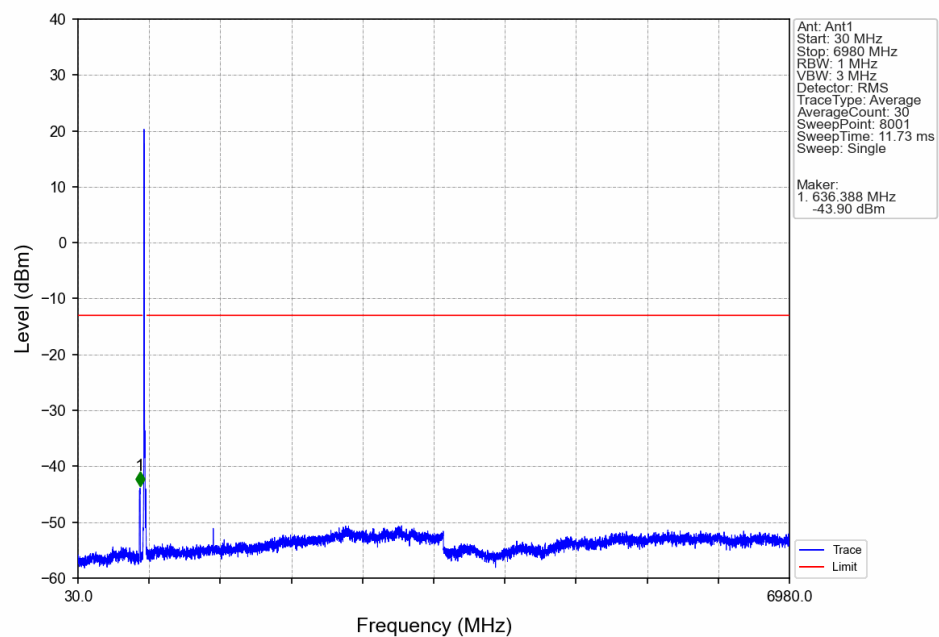
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



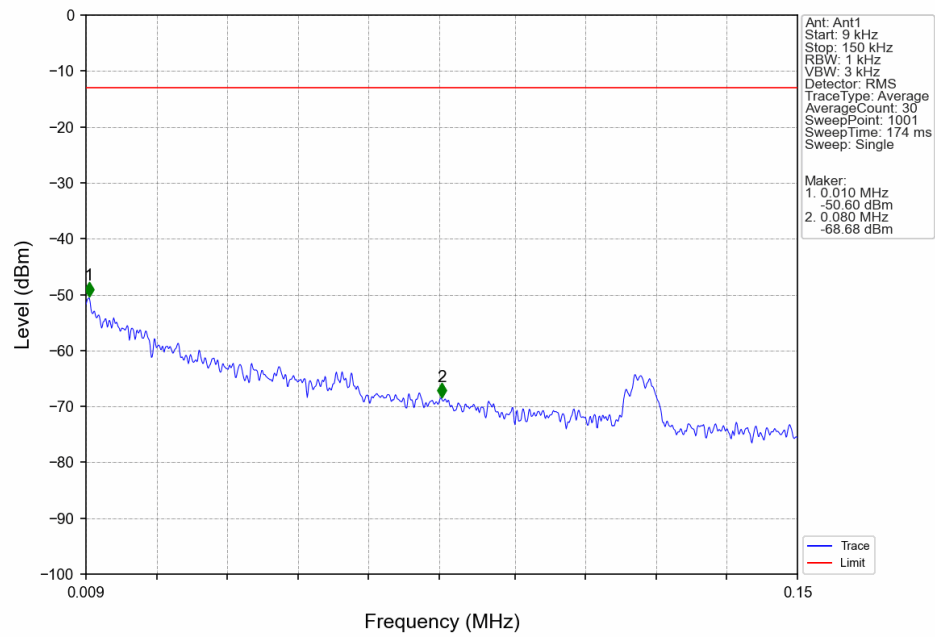
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



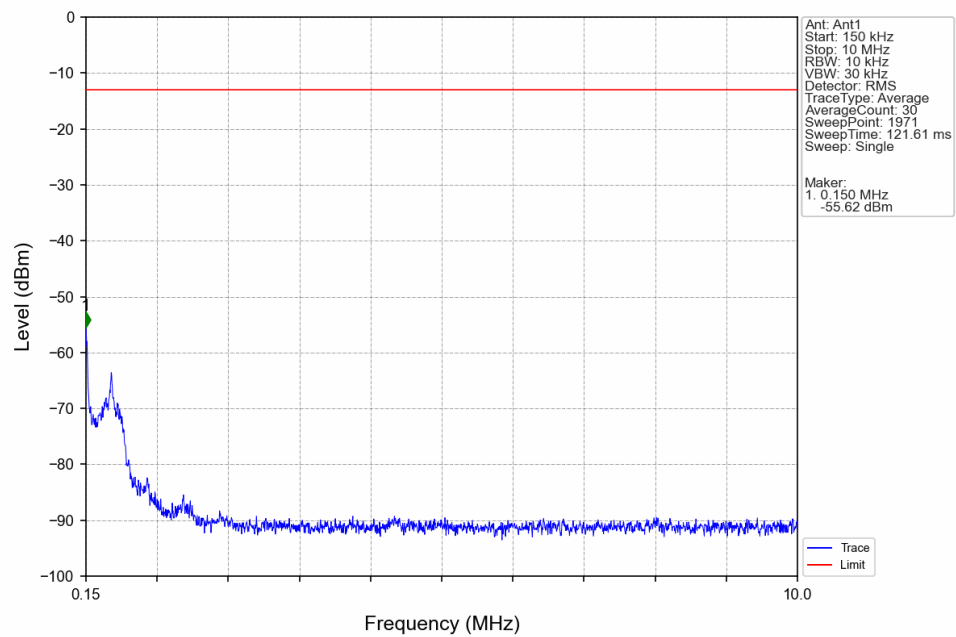
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



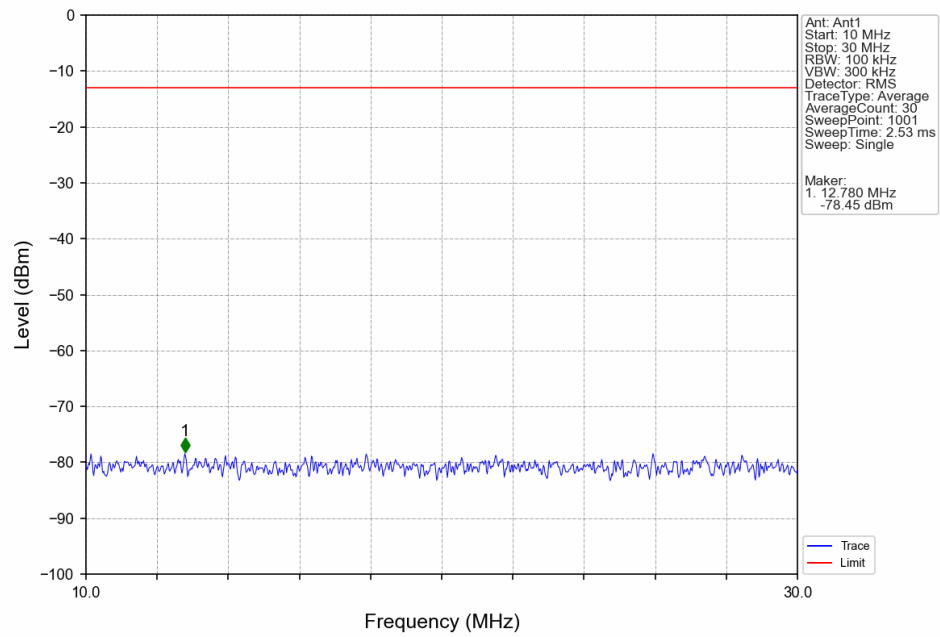
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



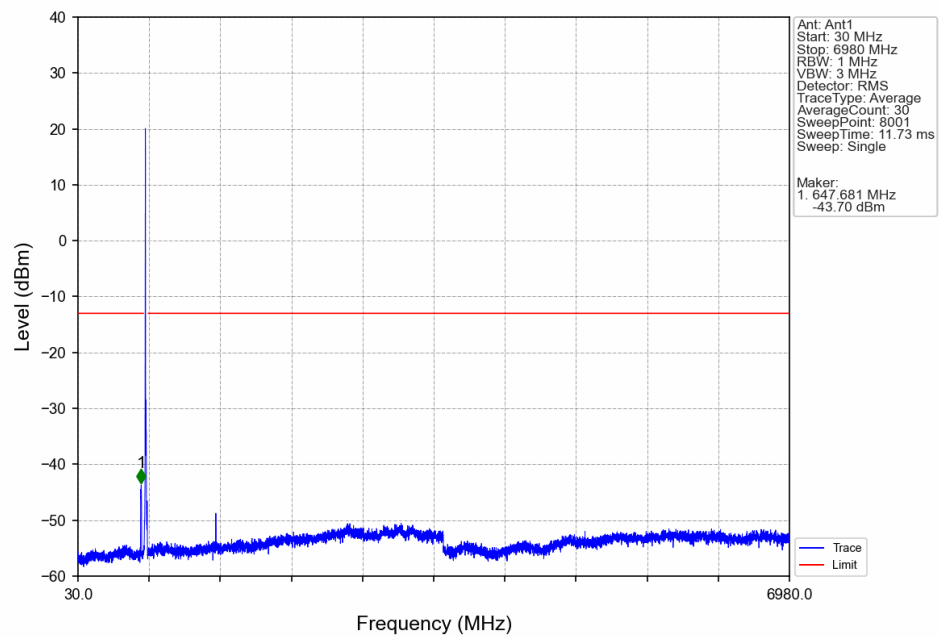
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



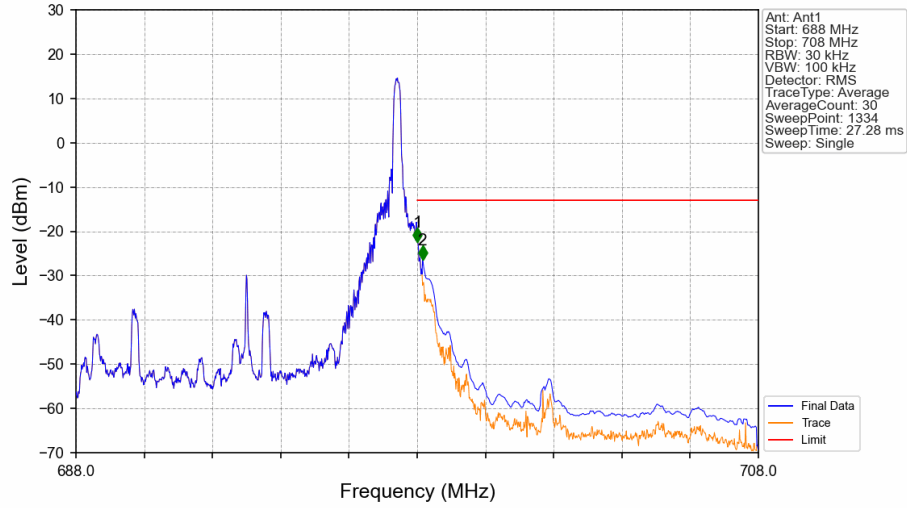
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV

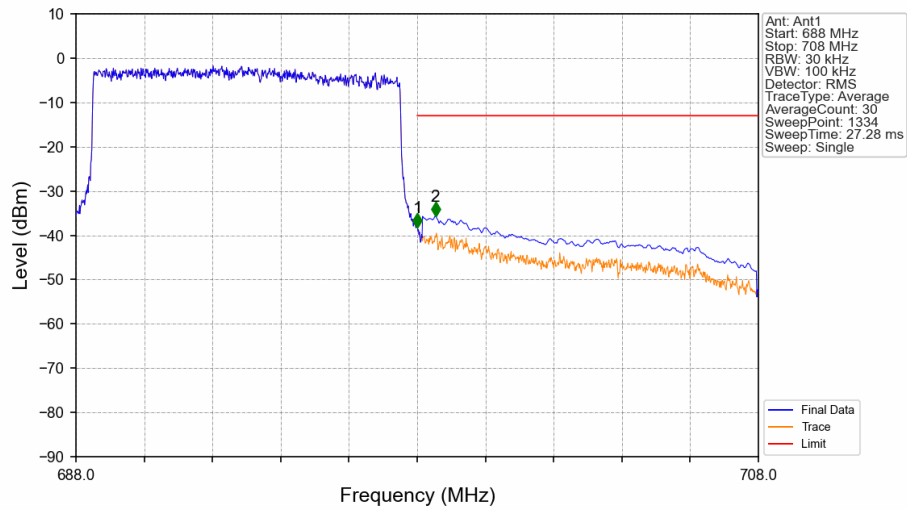


Band71 10MHz 16QAM HCH 693MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.008	-22.46	-13	Pass
698.1	708	0.1	CHP	2	698.158	-26.33	-13	Pass

Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.008	-38.16	-13	Pass
698.1	708	0.1	CHP	2	698.533	-35.66	-13	Pass