

5. Spurious Emission

5.1 Test Result

5.1.1 B42c_5MHz

Band: 42c / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3597.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3597.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B42c_10MHz

Band: 42c / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3595	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3595	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B42c_15MHz

Band: 42c / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3592.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	3557.5	1	0	Refer To Test Graph		Pass

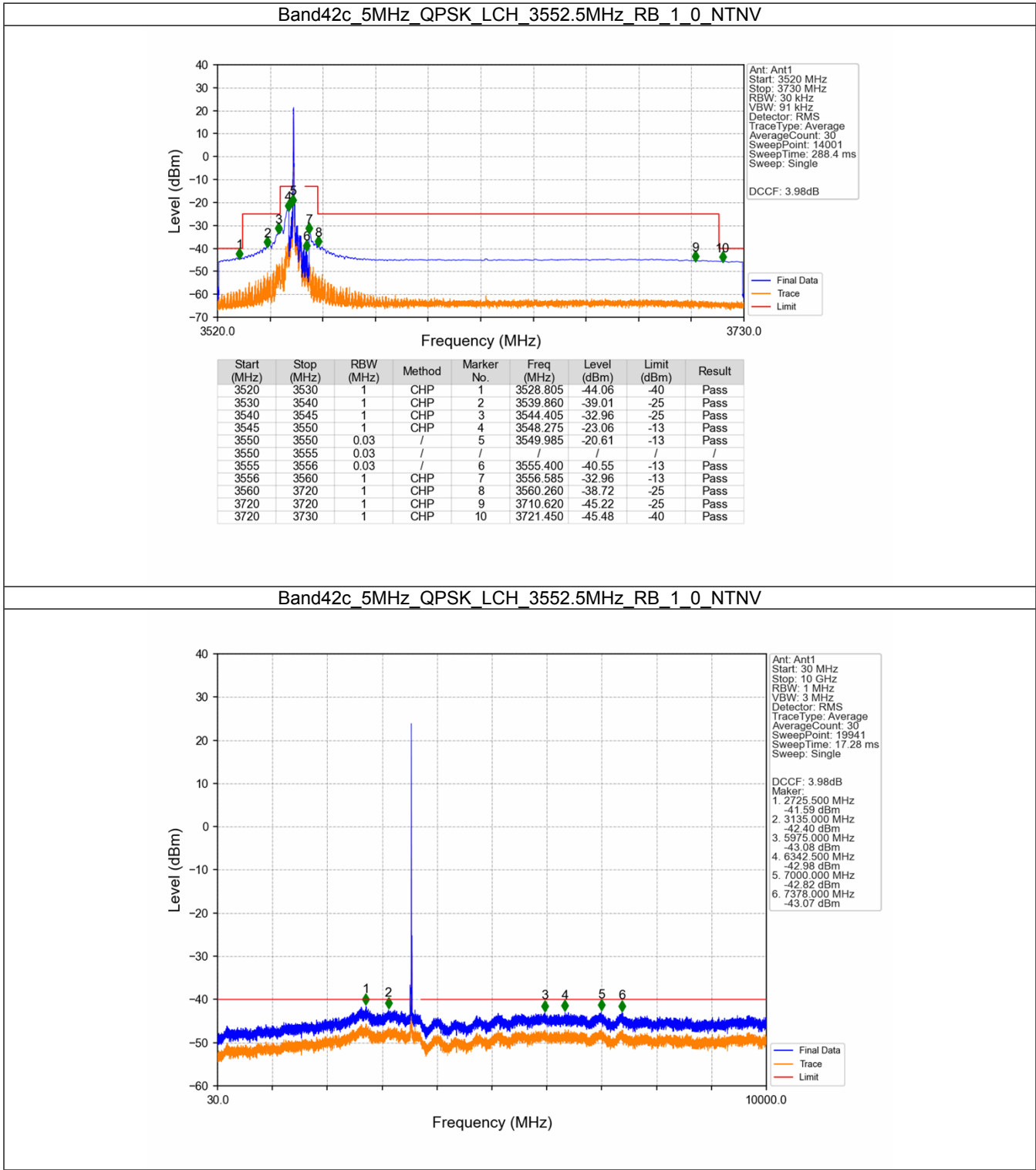
		75	0	Refer To Test Graph	Pass
	3575	1	0	Refer To Test Graph	Pass
	3592.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

5.1.4 B42c_20MHz

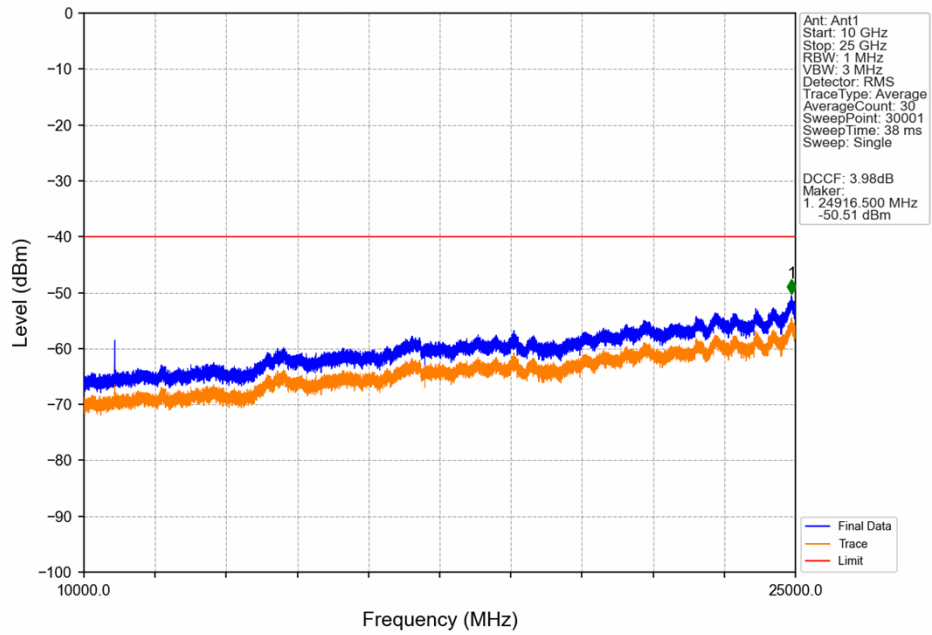
Band: 42c / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
	3590	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
	3590	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

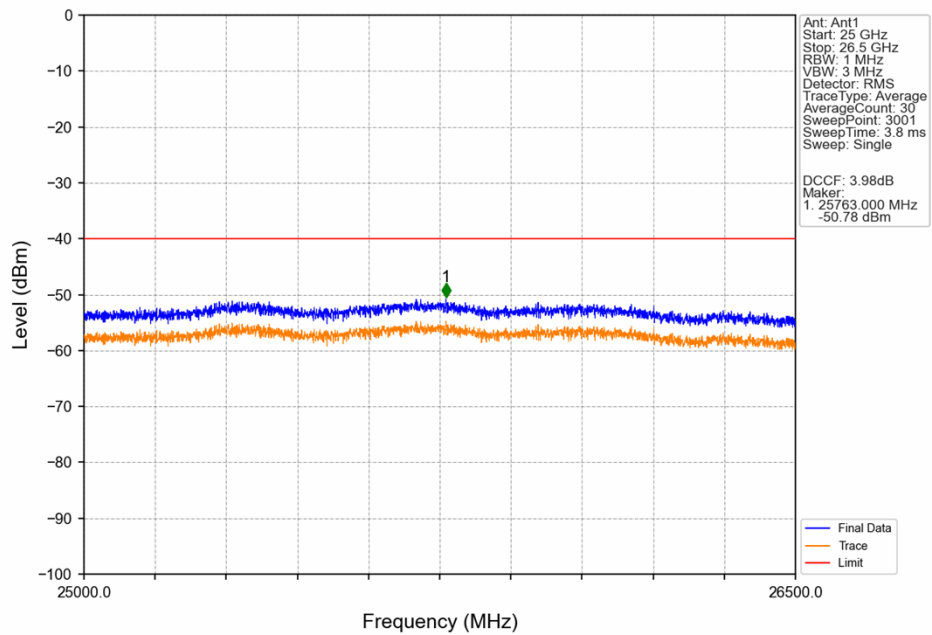
5.2.1 B42c_5MHz



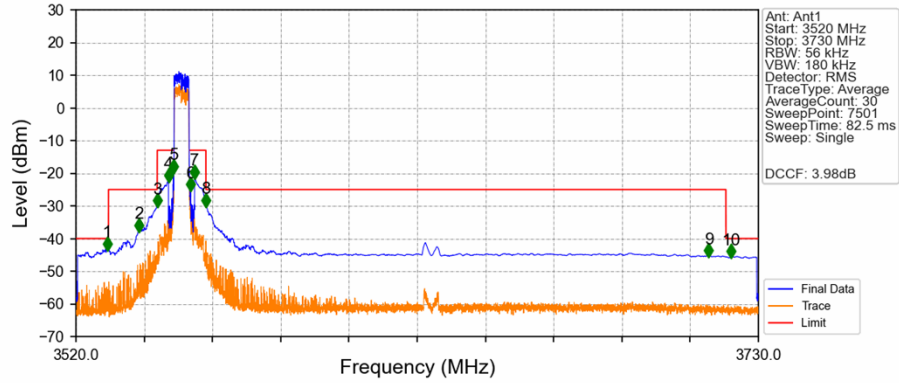
Band42c_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



Band42c_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV

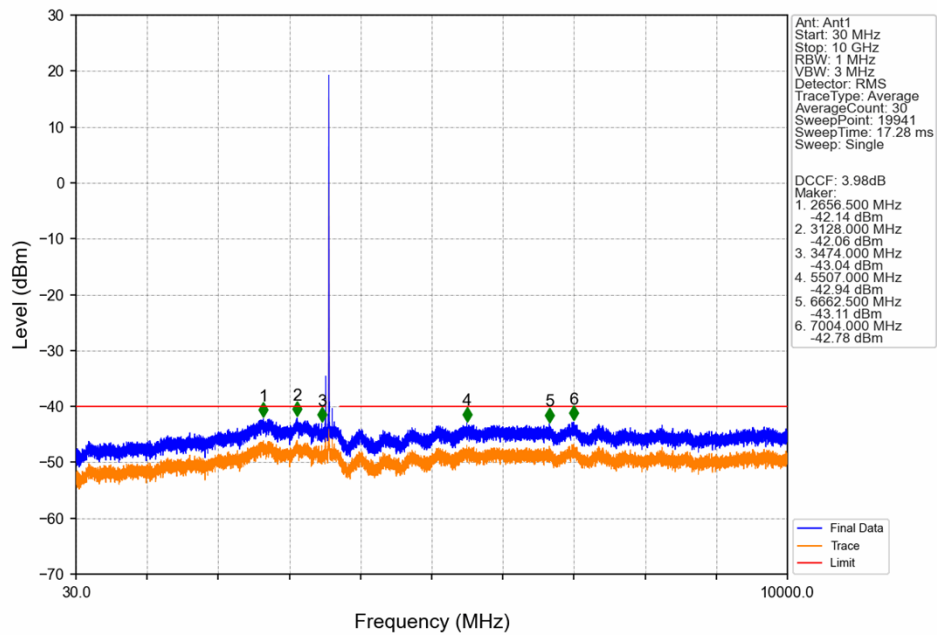


Band42c_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV

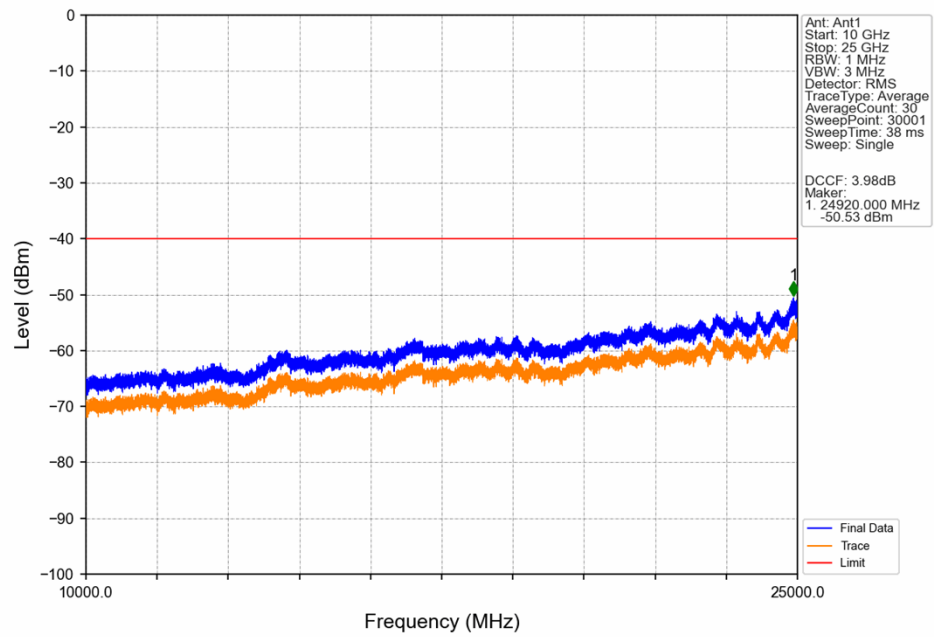


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.632	-43.11	-40	Pass
3530	3540	1	CHP	2	3539.404	-37.47	-25	Pass
3540	3545	1	CHP	3	3544.976	-29.91	-25	Pass
3545	3550	1	CHP	4	3548.476	-22.11	-13	Pass
3550	3550	0.056	/	5	3549.988	-19.43	-13	Pass
3550	3555	0.056	/	/	/	/	/	/
3555	3556	0.056	/	6	3555.224	-24.98	-13	Pass
3556	3560	1	CHP	7	3556.512	-21.26	-13	Pass
3560	3720	1	CHP	8	3560.012	-29.78	-25	Pass
3720	3720	1	CHP	9	3714.712	-45.24	-25	Pass
3720	3730	1	CHP	10	3721.656	-45.47	-40	Pass

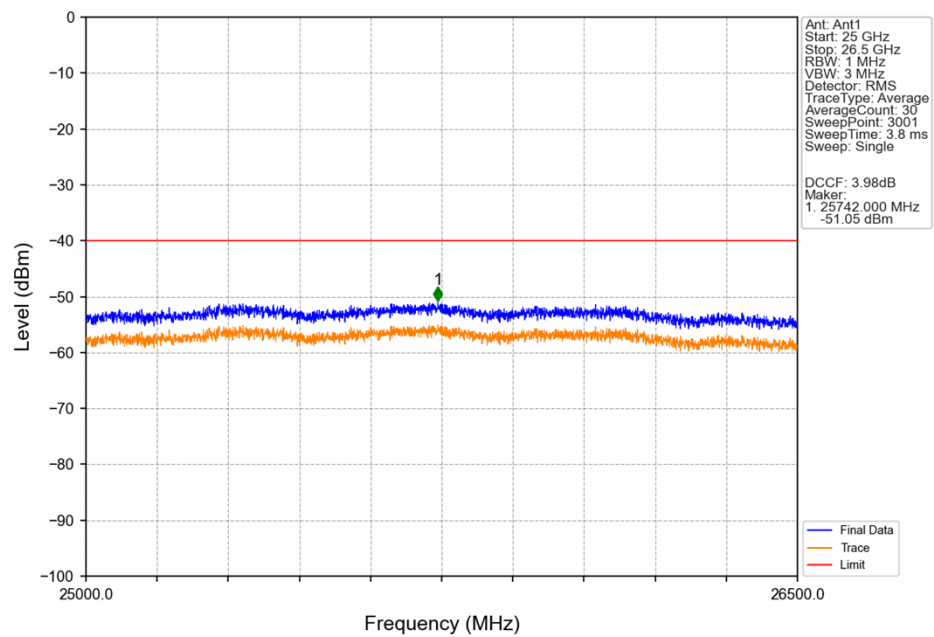
Band42c_5MHz_QPSK_MCH_3575MHz_RB_1_0_NTNV



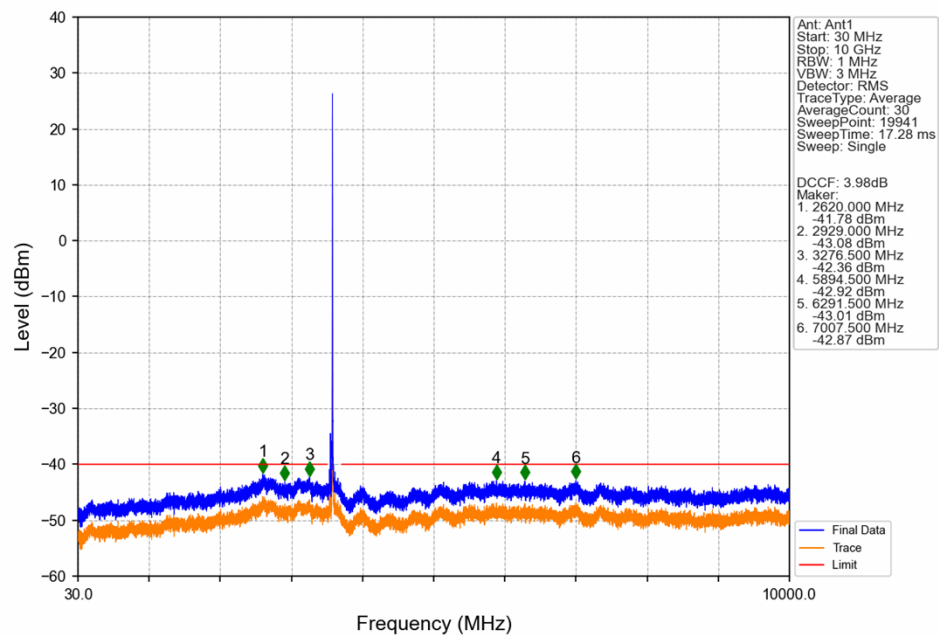
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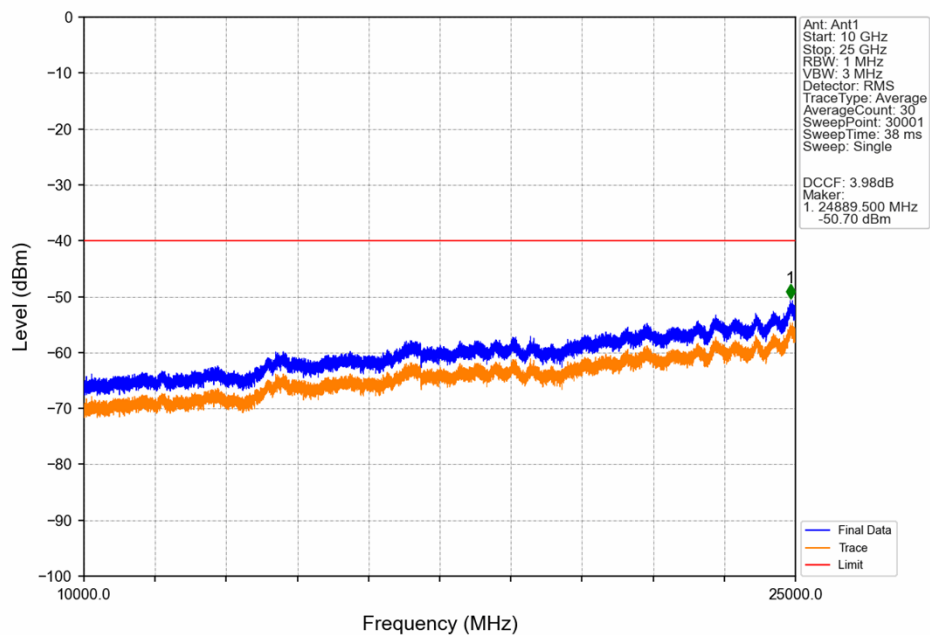
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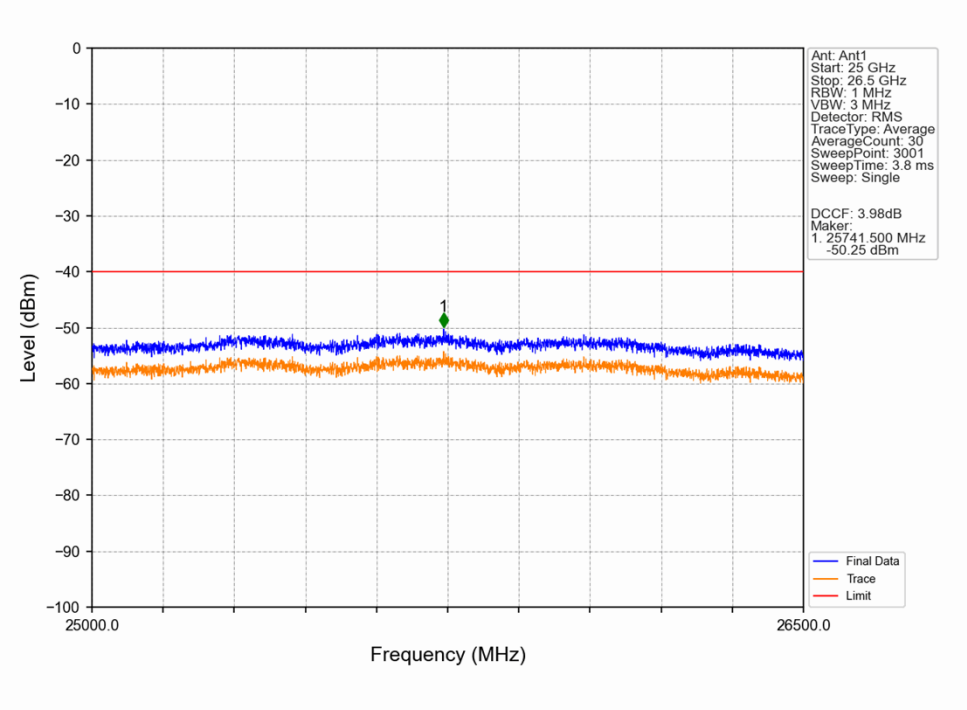
Band42c_5MHz_QPSK_HCH_3597.5MHz_RB_1_0_NTNV



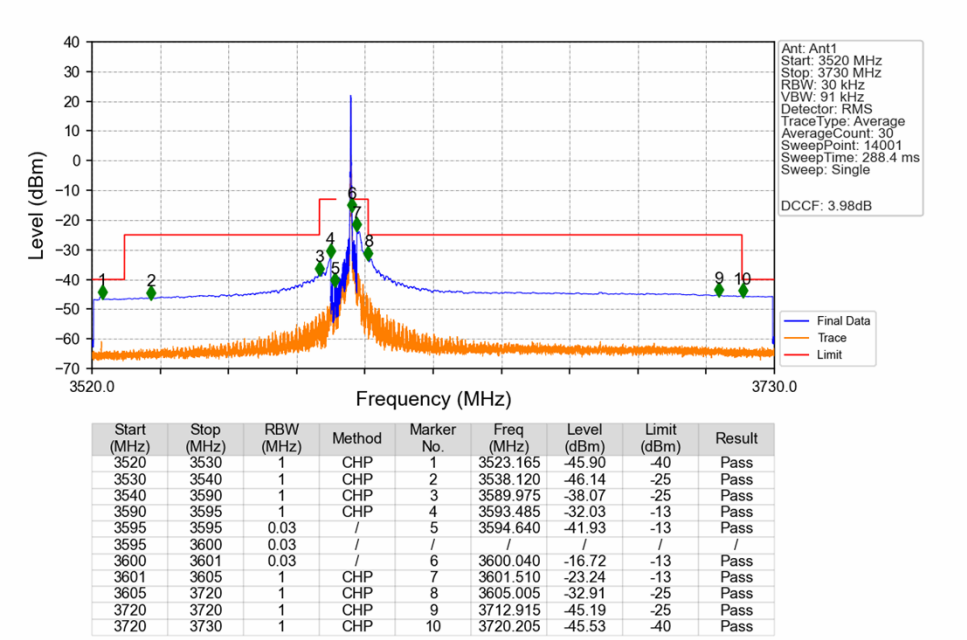
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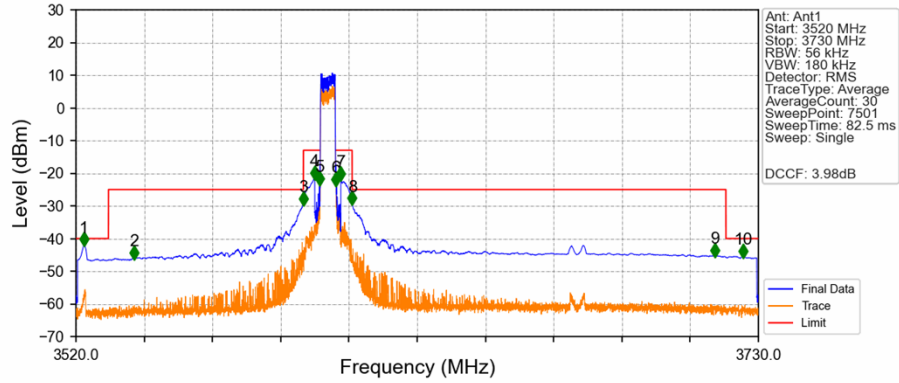
Band42c_5MHz_QPSK_HCH_3597.5MHz_RB_1_0_NTNV



Band42c_5MHz_QPSK_HCH_3597.5MHz_RB_1_24_NTNV

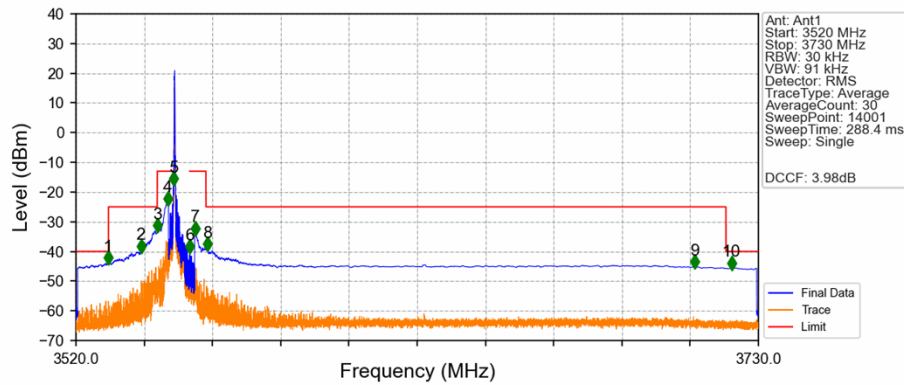


Band42c_5MHz_QPSK_HCH_3597.5MHz_RB_25_0_NTNV



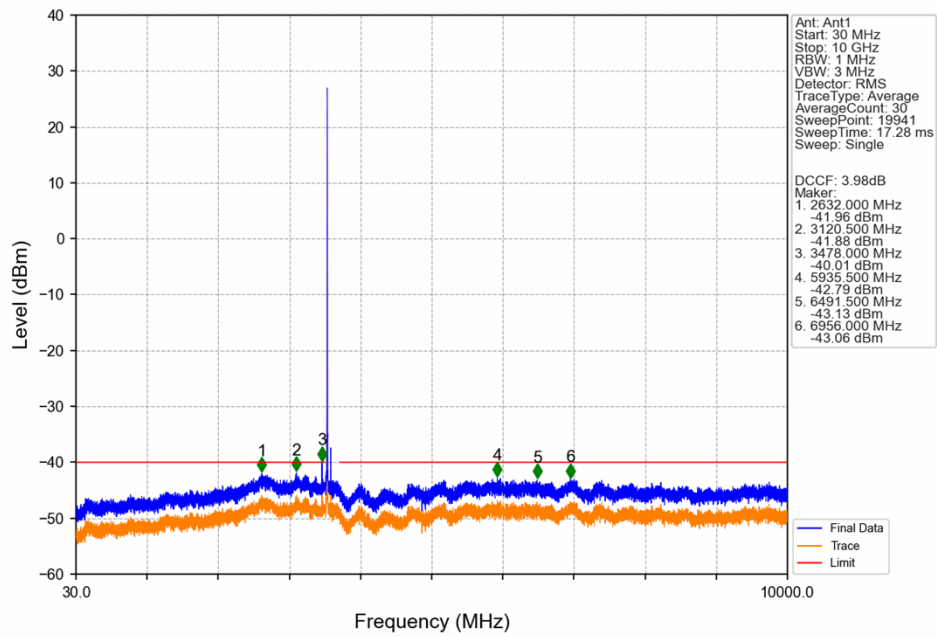
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.464	-41.82	-40	Pass
3530	3540	1	CHP	2	3537.892	-45.82	-25	Pass
3540	3590	1	CHP	3	3589.944	-29.36	-25	Pass
3590	3595	1	CHP	4	3593.472	-21.42	-13	Pass
3595	3595	0.056	/	5	3594.900	-23.15	-13	Pass
3595	3600	0.056	/	/	/	/	/	/
3600	3601	0.056	/	6	3600.024	-23.39	-13	Pass
3601	3605	1	CHP	7	3601.508	-21.74	-13	Pass
3605	3720	1	CHP	8	3605.008	-29.19	-25	Pass
3720	3720	1	CHP	9	3716.476	-45.15	-25	Pass
3720	3730	1	CHP	10	3725.380	-45.44	-40	Pass

Band42c_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV

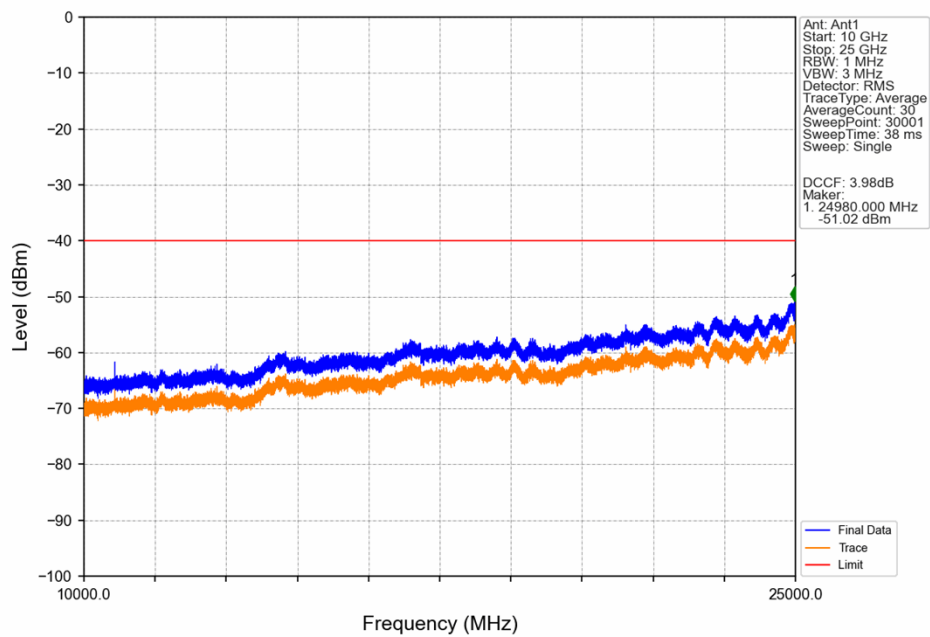


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.825	-43.85	-40	Pass
3530	3540	1	CHP	2	3539.995	-39.89	-25	Pass
3540	3545	1	CHP	3	3544.990	-32.99	-25	Pass
3545	3550	1	CHP	4	3548.245	-23.89	-13	Pass
3550	3550	0.03	/	5	3549.985	-17.25	-13	Pass
3550	3555	0.03	/	/	/	/	/	/
3555	3556	0.03	/	6	3555.070	-40.06	-13	Pass
3556	3560	1	CHP	7	3556.765	-33.97	-13	Pass
3560	3720	1	CHP	8	3560.425	-39.21	-25	Pass
3720	3720	1	CHP	9	3710.335	-45.19	-25	Pass
3720	3730	1	CHP	10	3721.765	-45.56	-40	Pass

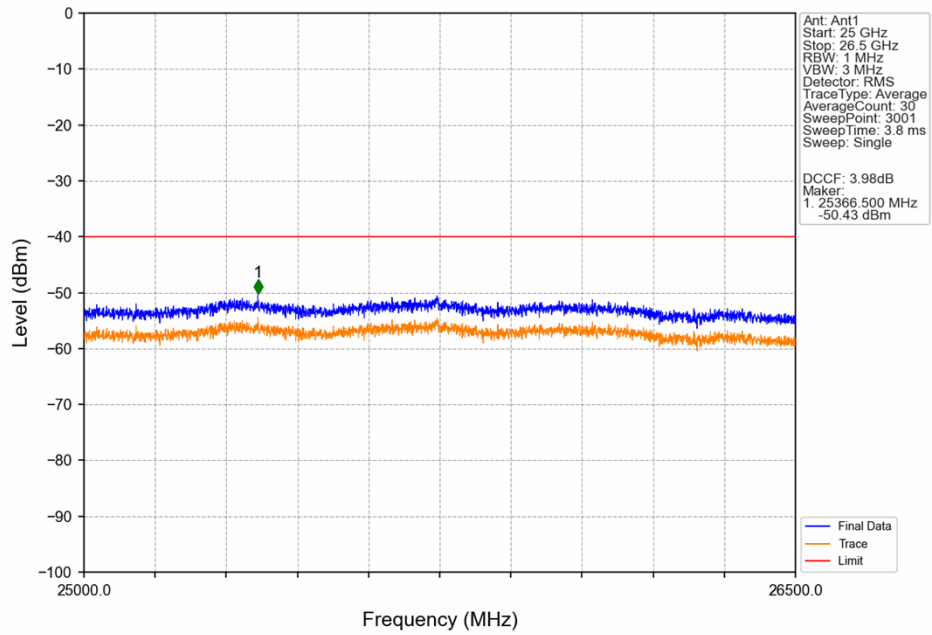
Band42c_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV



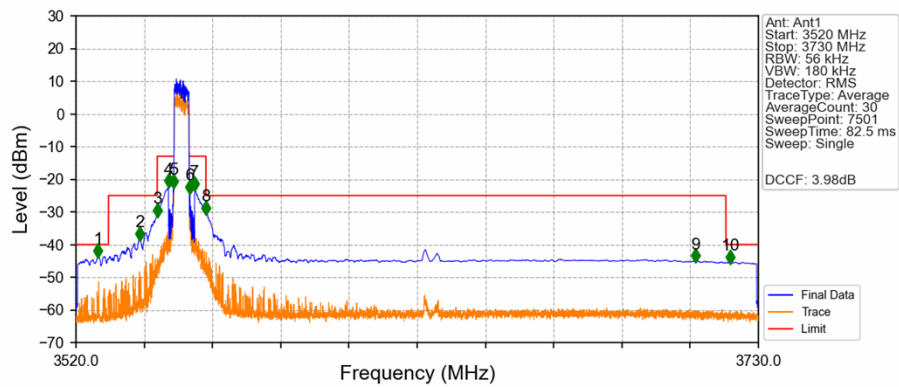
Band42c_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV



Band42c_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV

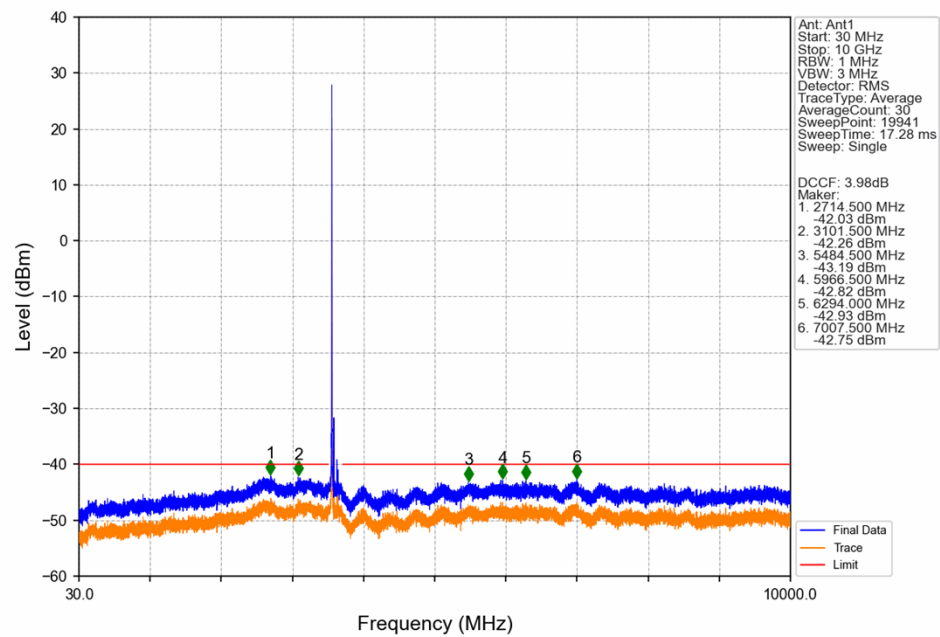


Band42c_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV

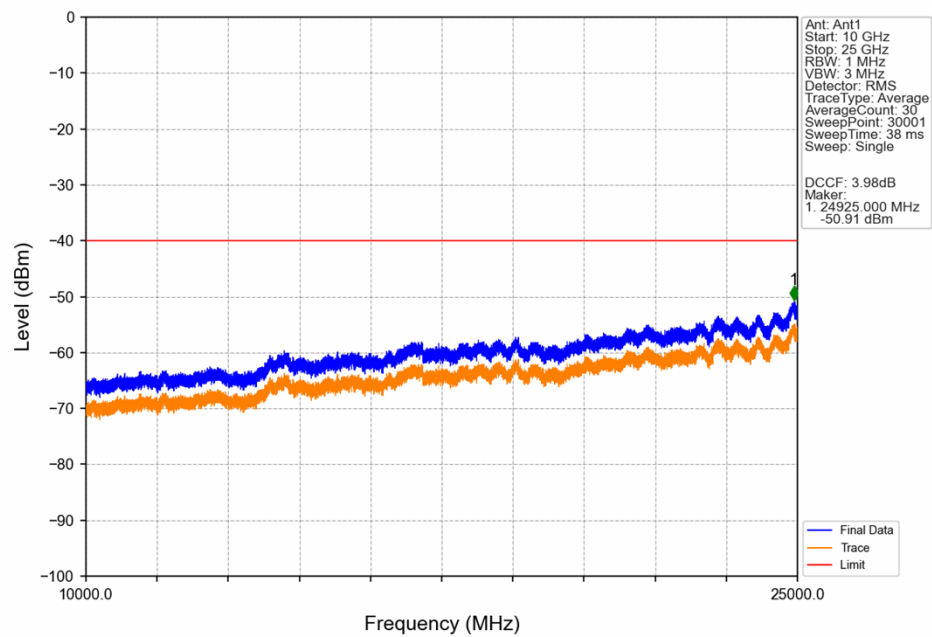


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3526.776	-43.45	-40	Pass
3530	3540	1	CHP	2	3539.712	-38.26	-25	Pass
3540	3545	1	CHP	3	3544.976	-31.06	-25	Pass
3545	3550	1	CHP	4	3548.476	-22.02	-13	Pass
3550	3550	0.056	/	5	3549.988	-22.16	-13	Pass
3550	3555	0.056	/	/	/	/	/	/
3555	3556	0.056	/	6	3555.056	-23.89	-13	Pass
3556	3560	1	CHP	7	3556.512	-22.83	-13	Pass
3560	3720	1	CHP	8	3560.068	-30.28	-25	Pass
3720	3720	1	CHP	9	3710.624	-45.01	-25	Pass
3720	3730	1	CHP	10	3721.404	-45.42	-40	Pass

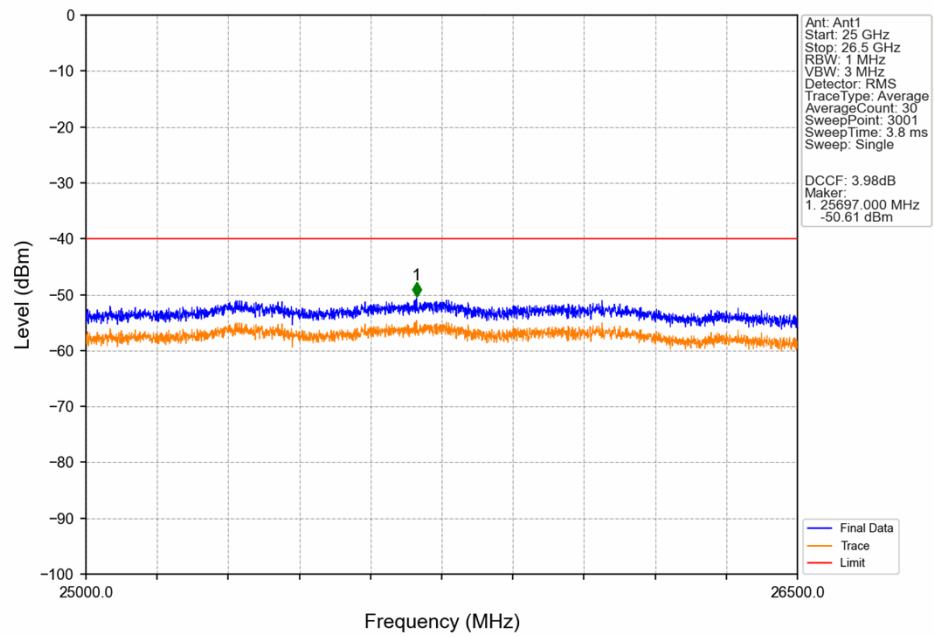
Band42c_5MHz_16QAM_MCH_3575MHz_RB_1_0_NTNV



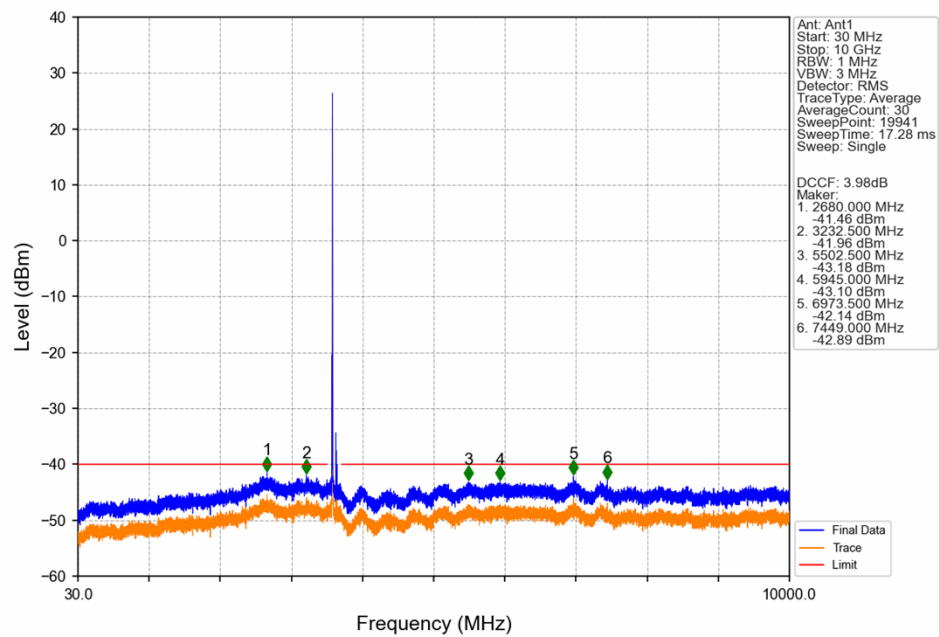
Band42c_5MHz_16QAM_MCH_3575MHz_RB_1_0_NTNV



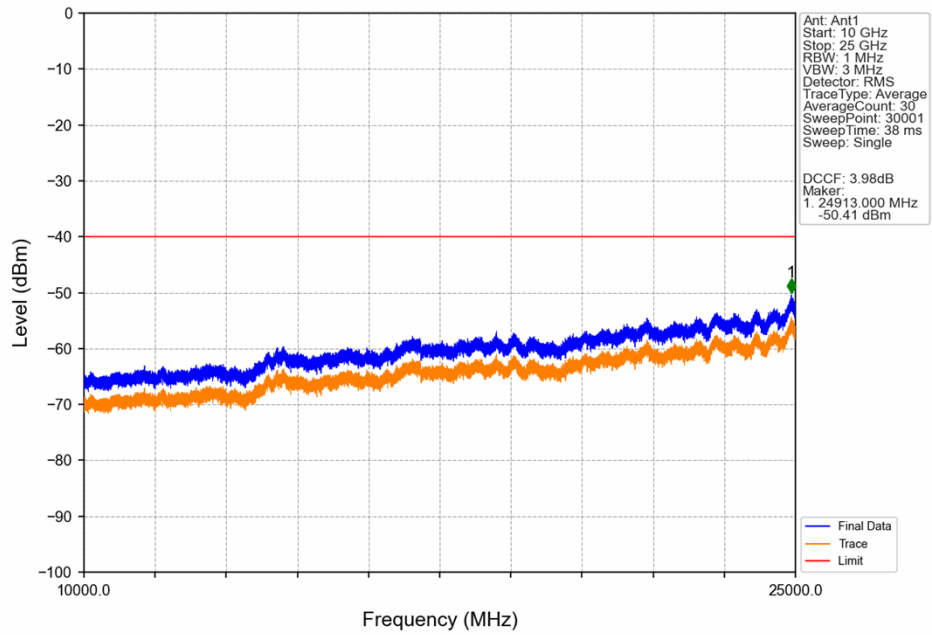
Band42c_5MHz_16QAM_MCH_3575MHz_RB_1_0_NTNV



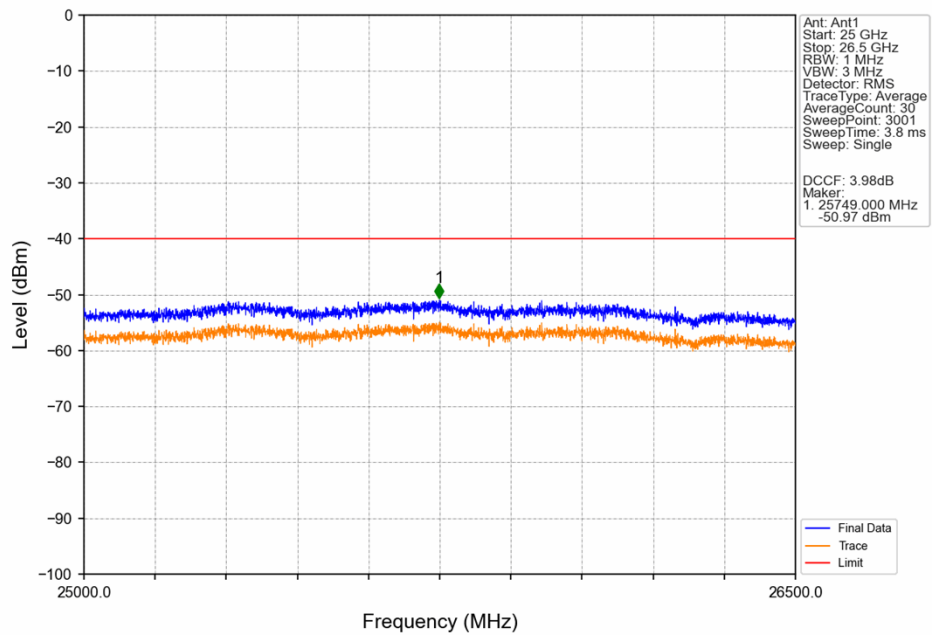
Band42c_5MHz_16QAM_HCH_3597.5MHz_RB_1_0_NTNV



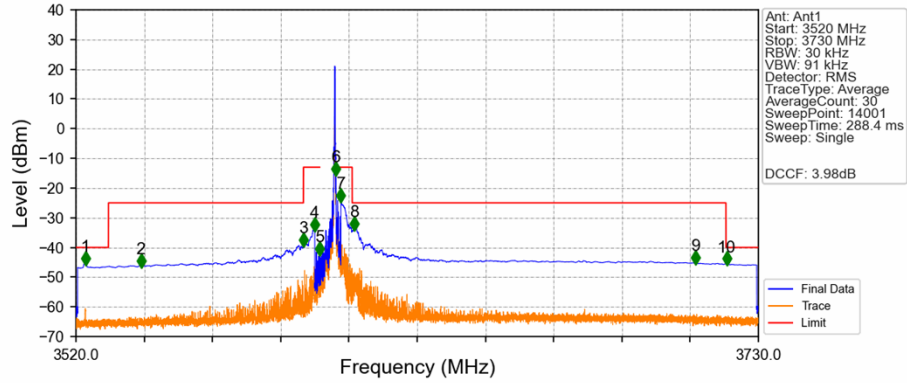
Band42c_5MHz_16QAM_HCH_3597.5MHz_RB_1_0_NTNV



Band42c_5MHz_16QAM_HCH_3597.5MHz_RB_1_0_NTNV

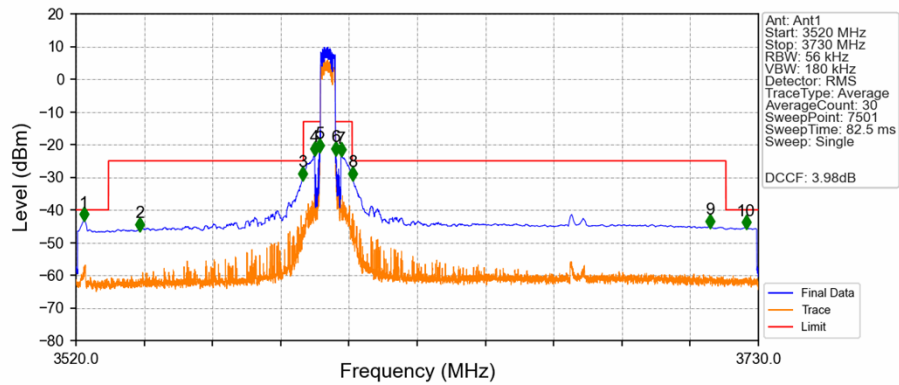


Band42c_5MHz_16QAM_HCH_3597.5MHz_RB_1_24_NTNV



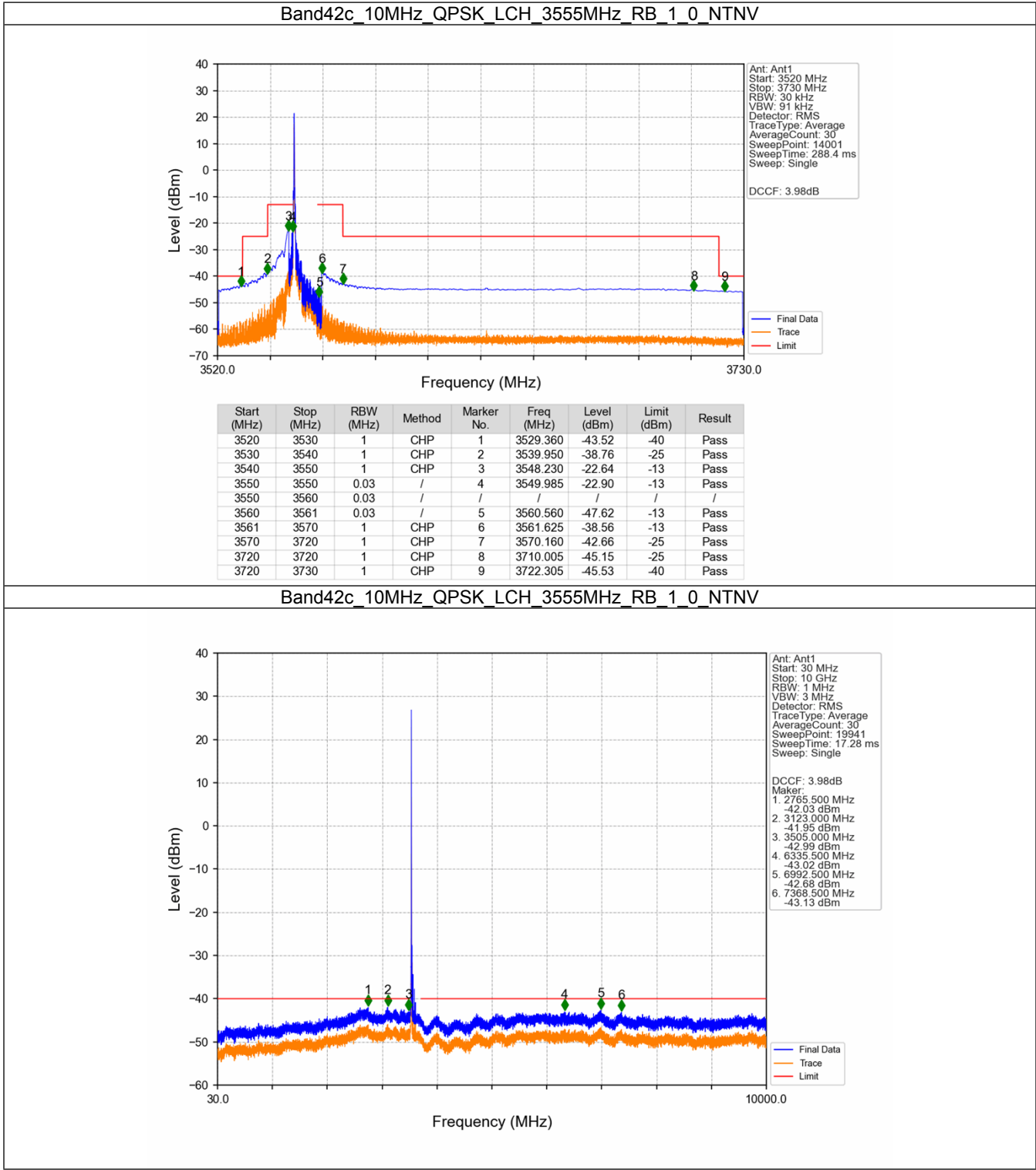
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.940	-45.45	-40	Pass
3530	3540	1	CHP	2	3539.995	-46.11	-25	Pass
3540	3590	1	CHP	3	3589.885	-39.14	-25	Pass
3590	3595	1	CHP	4	3593.485	-33.95	-13	Pass
3595	3595	0.03	/	5	3594.910	-42.12	-13	Pass
3595	3600	0.03	/	/	/	/	/	/
3600	3601	0.03	/	6	3600.010	-15.30	-13	Pass
3601	3605	1	CHP	7	3601.510	-24.19	-13	Pass
3605	3720	1	CHP	8	3605.635	-33.66	-25	Pass
3720	3720	1	CHP	9	3710.560	-45.16	-25	Pass
3720	3730	1	CHP	10	3720.250	-45.47	-40	Pass

Band42c_5MHz_16QAM_HCH_3597.5MHz_RB_25_0_NTNV

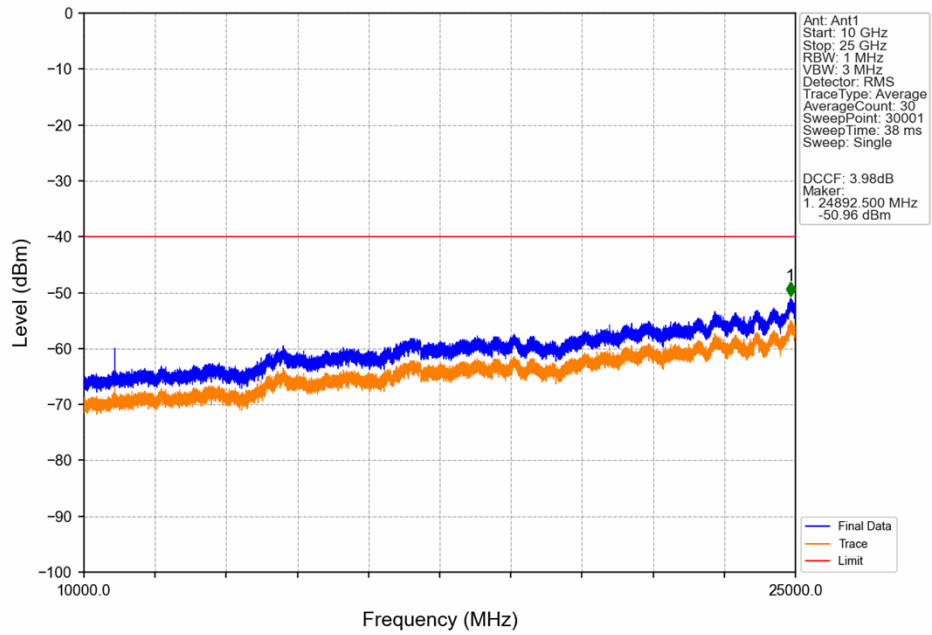


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.464	-42.93	-40	Pass
3530	3540	1	CHP	2	3539.600	-46.01	-25	Pass
3540	3590	1	CHP	3	3589.776	-30.52	-25	Pass
3590	3595	1	CHP	4	3593.444	-22.78	-13	Pass
3595	3595	0.056	/	5	3594.956	-21.80	-13	Pass
3595	3600	0.056	/	/	/	/	/	/
3600	3601	0.056	/	6	3600.024	-22.71	-13	Pass
3601	3605	1	CHP	7	3601.592	-23.18	-13	Pass
3605	3720	1	CHP	8	3605.064	-30.44	-25	Pass
3720	3720	1	CHP	9	3715.132	-45.01	-25	Pass
3720	3730	1	CHP	10	3726.164	-45.40	-40	Pass

5.2.2 B42c_10MHz



Band42c_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



Band42c_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

