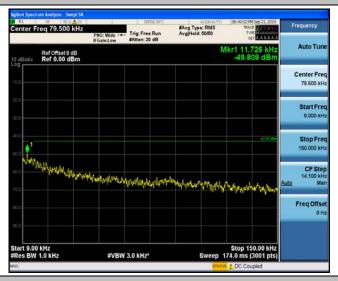
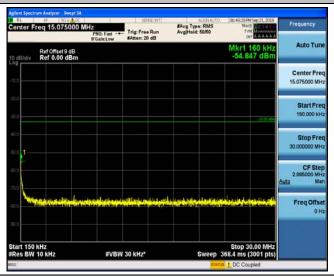
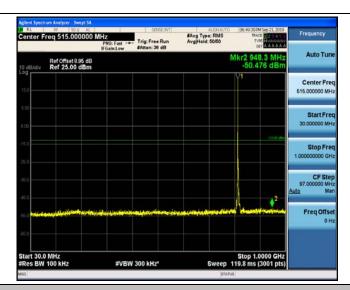


#### Band26\_3MHz\_QPSK\_26740\_1RB#0



# Band26\_3MHz\_QPSK\_26740\_1RB#0





#### Band26\_3MHz\_QPSK\_26740\_1RB#0



# Band26\_3MHz\_QPSK\_26740\_1RB#0



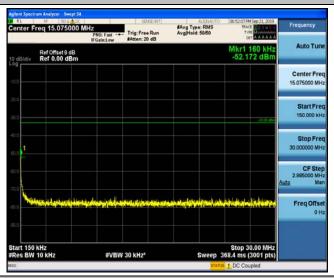
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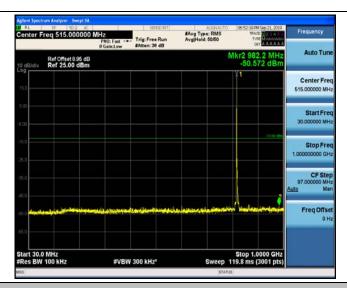


#### Band26\_3MHz\_QPSK\_26775\_1RB#0



# Band26\_3MHz\_QPSK\_26775\_1RB#0

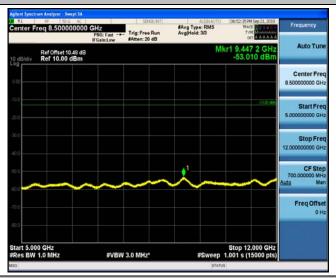




#### Band26\_3MHz\_QPSK\_26775\_1RB#0



# Band26\_3MHz\_QPSK\_26775\_1RB#0

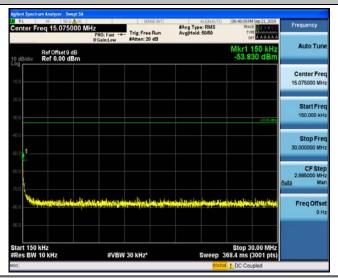




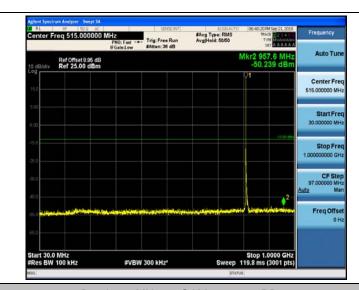
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# Band26\_3MHz\_16QAM\_26705\_1RB#0



Band26\_3MHz\_16QAM\_26705\_1RB#0



#### Band26\_3MHz\_16QAM\_26705\_1RB#0



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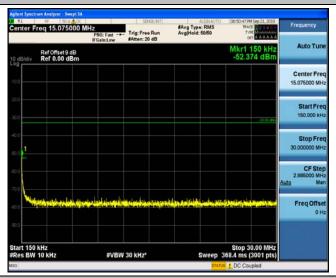


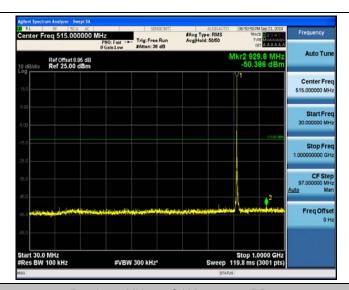


#### Band26\_3MHz\_16QAM\_26740\_1RB#0



# Band26\_3MHz\_16QAM\_26740\_1RB#0





#### Band26\_3MHz\_16QAM\_26740\_1RB#0



# Band26\_3MHz\_16QAM\_26740\_1RB#0

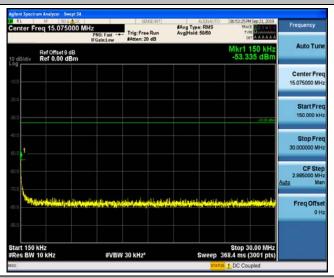




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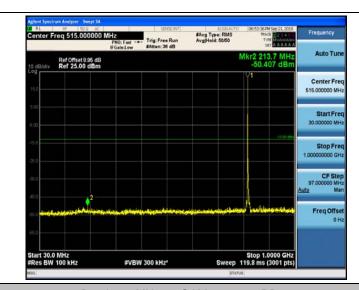


# Band26\_3MHz\_16QAM\_26775\_1RB#0



Band26\_3MHz\_16QAM\_26775\_1RB#0

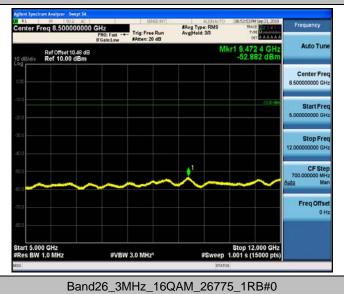
Report No.: WTX19X08058778W-12



#### Band26\_3MHz\_16QAM\_26775\_1RB#0



# Band26\_3MHz\_16QAM\_26775\_1RB#0

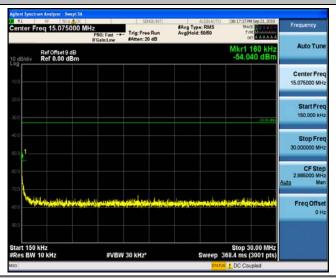




#### Band26\_5MHz\_QPSK\_26715\_1RB#0



# Band26\_5MHz\_QPSK\_26715\_1RB#0





#### Band26\_5MHz\_QPSK\_26715\_1RB#0

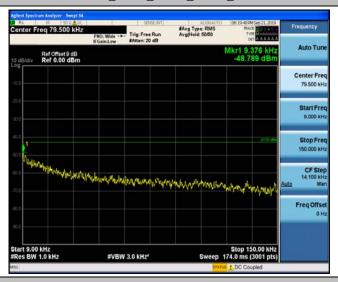


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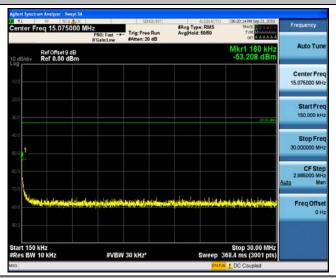


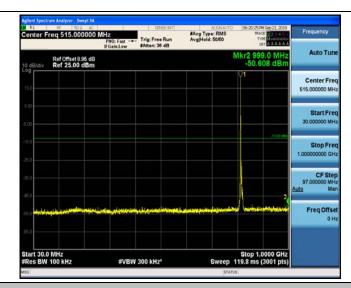


#### Band26\_5MHz\_QPSK\_26740\_1RB#0



# Band26\_5MHz\_QPSK\_26740\_1RB#0

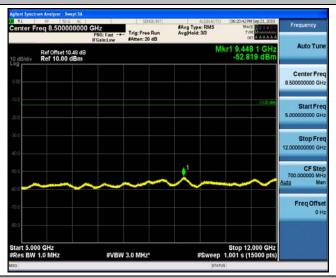




#### Band26\_5MHz\_QPSK\_26740\_1RB#0



# Band26\_5MHz\_QPSK\_26740\_1RB#0

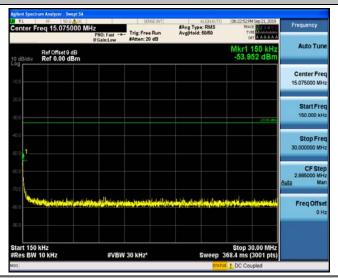




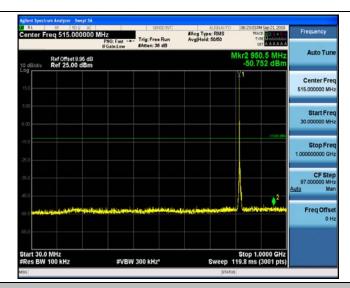
#### Band26\_5MHz\_QPSK\_26765\_1RB#0



# Band26\_5MHz\_QPSK\_26765\_1RB#0



Band26\_5MHz\_QPSK\_26765\_1RB#0



#### Band26\_5MHz\_QPSK\_26765\_1RB#0



# Band26\_5MHz\_QPSK\_26765\_1RB#0

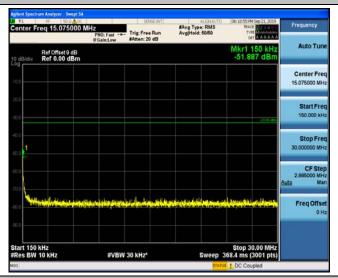


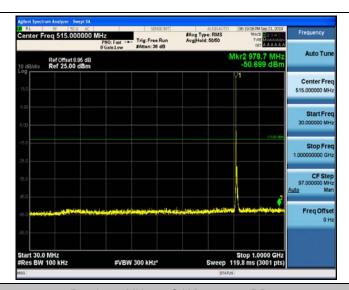


#### Band26\_5MHz\_16QAM\_26715\_1RB#0



# Band26\_5MHz\_16QAM\_26715\_1RB#0





#### Band26\_5MHz\_16QAM\_26715\_1RB#0



# Band26\_5MHz\_16QAM\_26715\_1RB#0

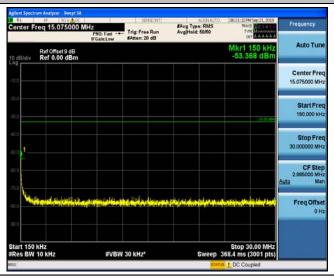




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# Band26\_5MHz\_16QAM\_26740\_1RB#0



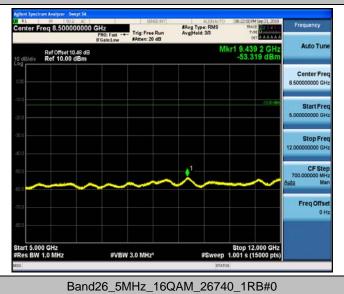
Band26\_5MHz\_16QAM\_26740\_1RB#0



#### Band26\_5MHz\_16QAM\_26740\_1RB#0



# Band26\_5MHz\_16QAM\_26740\_1RB#0

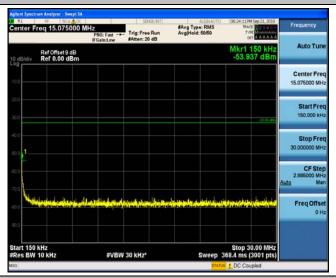


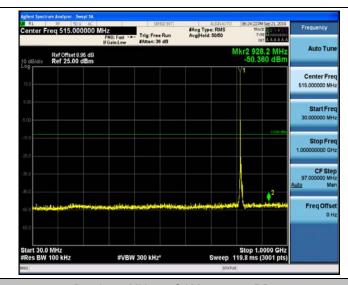


#### Band26\_5MHz\_16QAM\_26765\_1RB#0



# Band26\_5MHz\_16QAM\_26765\_1RB#0





#### Band26\_5MHz\_16QAM\_26765\_1RB#0

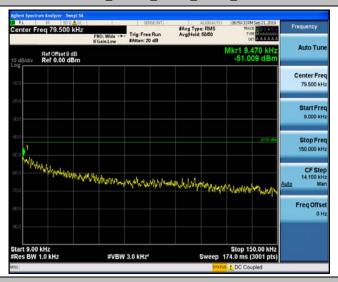


# Band26\_5MHz\_16QAM\_26765\_1RB#0

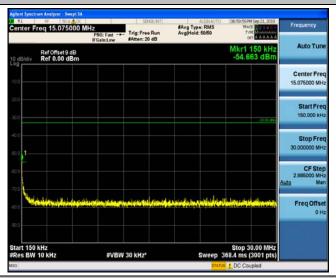


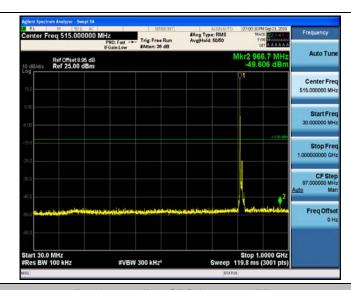


#### Band26\_10MHz\_QPSK\_26740\_1RB#0



# Band26\_10MHz\_QPSK\_26740\_1RB#0





#### Band26\_10MHz\_QPSK\_26740\_1RB#0



# Band26\_10MHz\_QPSK\_26740\_1RB#0



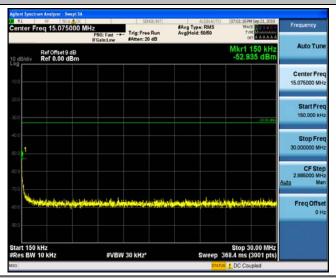
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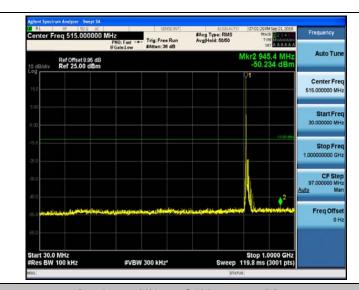


#### Band26\_10MHz\_16QAM\_26740\_1RB#0



# Band26\_10MHz\_16QAM\_26740\_1RB#0





#### Band26\_10MHz\_16QAM\_26740\_1RB#0



# Band26\_10MHz\_16QAM\_26740\_1RB#0

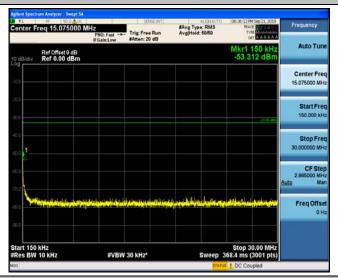




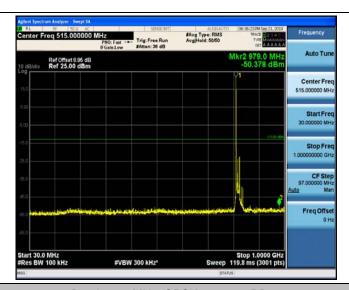
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# Band26\_15MHz\_QPSK\_26765\_1RB#0



Band26\_15MHz\_QPSK\_26765\_1RB#0



#### Band26\_15MHz\_QPSK\_26765\_1RB#0

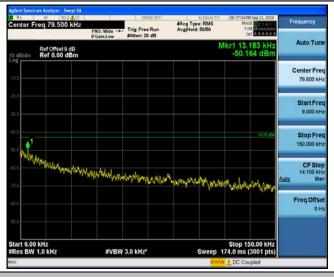


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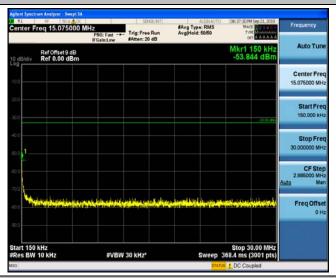




#### Band26\_15MHz\_16QAM\_26765\_1RB#0



# Band26\_15MHz\_16QAM\_26765\_1RB#0





#### Band26\_15MHz\_16QAM\_26765\_1RB#0



# Band26\_15MHz\_16QAM\_26765\_1RB#0



Band26\_15MHz\_16QAM\_26765\_1RB#0



# Appendix F: Frequency Stability

# **Test Result**

**Channel Bandwidth: 1.4 MHz** 

Modulation   Channel   Voltage				Channel Band	width: 1.4 MHz					
Modulation         Channel (Volc) (Volc)         Temperature (°C)         Deviation (Hz)         Deviation (ppm)         Limit (ppm)         Verdict (ppm)           A PASS (Volc)										
APPEAR         LCH         VN         TN         0.33         0.000405         ± 2.5         PASS           APPEAR         VH         TN         -0.7         -0.000859         ± 2.5         PASS           APPEAR         VL         TN         3.69         0.004505         ± 2.5         PASS           VN         TN         -1.56         -0.001905         ± 2.5         PASS           VH         TN         2.46         0.003004         ± 2.5         PASS           VH         TN         1.96         0.002381         ± 2.5         PASS           VN         TN         4.3         0.005223         ± 2.5         PASS           VH         TN         3.75         0.004603         ± 2.5         PASS           VH         TN         1.59         0.001952         ± 2.5         PASS           VH         TN         1.59         0.001952         ± 2.5         PASS           VH         TN         1.59         0.001952         ± 2.5         PASS           VH         TN         1.59         0.005568         ± 2.5         PASS           VH         TN         -0.41         -0.00561         ± 2.5	Modulation	Channel		Temperature	Deviation			Verdict		
QPSK         WH         TN         -0.7         -0.000859         ± 2.5         PASS           QPSK         MCH         VL         TN         3.69         0.004505         ± 2.5         PASS           VN         TN         -1.56         -0.001905         ± 2.5         PASS           VH         TN         2.46         0.003004         ± 2.5         PASS           VH         TN         1.96         0.002381         ± 2.5         PASS           VH         TN         4.3         0.005223         ± 2.5         PASS           VH         TN         3.75         0.004603         ± 2.5         PASS           VH         TN         0.78         0.00957         ± 2.5         PASS           VH         TN         0.3         0.004603         ± 2.5         PASS           VH         TN         0.78         0.00957         ± 2.5         PASS           VH         TN         0.3         0.00366         ± 2.5         PASS           VH         TN         0.456         0.00568         ± 2.5         PASS           VH         TN         0.446         0.005417         ± 2.5         PASS      <			VL	TN	4.18	0.005131	± 2.5	PASS		
QPSK         MCH         VL         TN         3.69         0.004505         ± 2.5         PASS           VN         TN         -1.56         -0.001905         ± 2.5         PASS           VH         TN         2.46         0.003004         ± 2.5         PASS           VH         TN         1.96         0.002381         ± 2.5         PASS           VH         TN         4.3         0.005223         ± 2.5         PASS           VH         TN         2.92         0.003547         ± 2.5         PASS           VH         TN         0.78         0.004603         ± 2.5         PASS           VH         TN         0.78         0.004603         ± 2.5         PASS           VH         TN         0.78         0.000957         ± 2.5         PASS           VH         TN         0.3         0.000366         ± 2.5         PASS           VH         TN         0.3         0.000366         ± 2.5         PASS           VH         TN         0.41         -0.000501         ± 2.5         PASS           VH         TN         3.26         0.003960         ± 2.5         PASS		LCH	VN	TN	0.33	0.000405	± 2.5	PASS		
QPSK         MCH         VN         TN         -1.56         -0.001905         ± 2.5         PASS           VH         TN         2.46         0.003004         ± 2.5         PASS           MCH         VL         TN         1.96         0.002381         ± 2.5         PASS           VN         TN         4.3         0.005223         ± 2.5         PASS           VH         TN         2.92         0.003547         ± 2.5         PASS           VH         TN         0.78         0.004603         ± 2.5         PASS           VH         TN         0.78         0.000957         ± 2.5         PASS           VH         TN         0.3         0.000366         ± 2.5         PASS           VH         TN         0.3         0.000366         ± 2.5         PASS           VH         TN         0.456         0.005568         ± 2.5         PASS           VH         TN         0.41         -0.000501         ± 2.5         PASS           VH         TN         3.83         0.004652         ± 2.5         PASS           VH         TN         3.83         0.004652         ± 2.5         PASS			VH	TN	-0.7	-0.000859	± 2.5	PASS		
No.   No.			VL	TN	3.69	0.004505	± 2.5	PASS		
No.   No.	QPSK	MCH	VN	TN	-1.56	-0.001905	± 2.5	PASS		
HCH			VH	TN	2.46	0.003004	± 2.5	PASS		
Normal			VL	TN	1.96	0.002381	± 2.5	PASS		
Note		HCH	VN	TN	Deviation (Hz)         Deviation (ppm)         Limit (ppm)           4.18         0.005131         ± 2.5           0.33         0.000405         ± 2.5           -0.7         -0.000859         ± 2.5           3.69         0.004505         ± 2.5           -1.56         -0.001905         ± 2.5           2.46         0.003004         ± 2.5           1.96         0.002381         ± 2.5           4.3         0.005223         ± 2.5           2.92         0.003547         ± 2.5           3.75         0.004603         ± 2.5           0.78         0.000957         ± 2.5           0.3         0.00366         ± 2.5           4.56         0.005568         ± 2.5           4.46         0.005417         ± 2.5           3.83         0.004652         ± 2.5           3.83         0.004652         ± 2.5           4.39         0.00540         ± 2.5           4.39         0.00540         ± 2.5           4.39         0.005388         ± 2.5           4.39         0.00538         ± 2.5           4.22         0.005180         ± 2.5           4.22         0	PASS				
LCH			VH	TN	2.92	0.003547	(ppm)  ± 2.5	PASS		
Note			VL	TN	3.75	0.004603	± 2.5	PASS		
MCH		LCH	VN	TN	0.78	0.000957	± 2.5	PASS		
16QAM			VH	TN	1.59	0.001952	± 2.5	PASS		
VH			VL	TN	0.3	0.000366	± 2.5	PASS		
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	16QAM	MCH	VN	TN	4.56	0.005568	± 2.5	PASS		
HCH			VH	TN	-0.41	-0.000501	± 2.5	PASS		
VH         TN         3.83         0.004652         ± 2.5         PASS           Temperature           Modulation         Channe I         Voltage [Vdc]         Temperature (°C)         Deviation (Hz)         Deviation (ppm)         Limit (ppm)         Verdict           VN         -30         0.44         0.000540         ± 2.5         PASS           VN         -20         -0.05         -0.000061         ± 2.5         PASS		НСН	VL	TN	4.46	0.005417	± 2.5	PASS		
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$			VN	TN	3.26	0.003960	± 2.5	PASS		
Modulation         Channe I         Voltage [Vdc]         Temperature (°C)         Deviation (Hz)         Deviation (ppm)         Limit (ppm)         Verdict           VN         -30         0.44         0.000540         ± 2.5         PASS           VN         -20         -0.05         -0.000061         ± 2.5         PASS			VH	TN	3.83	0.004652	± 2.5	PASS		
VN	Temperature									
VN -20 -0.05 -0.000061 ± 2.5 PASS	Modulation							Verdict		
			VN	-30	0.44	0.000540	± 2.5	PASS		
\/N 40 400 0000000 05 5000			VN	-20	-0.05	-0.000061	± 2.5	PASS		
VN -10   4.39   0.005388   ± 2.5   PASS			VN	-10	4.39	0.005388	± 2.5	PASS		
VN 0 0.38 0.000466 ± 2.5 PASS			VN	0	0.38	0.000466	± 2.5	PASS		
LCH VN 10 4.51 0.005536 ± 2.5 PASS		LCH	VN	10	4.51	0.005536	± 2.5	PASS		
QPSK VN 20 4.22 0.005180 ± 2.5 PASS	QPSK		VN	20	4.22	0.005180	± 2.5	PASS		
VN 30 0.2 0.000245 ± 2.5 PASS			VN	30	0.2	0.000245	± 2.5	PASS		
VN 40 1.77 0.002173 ± 2.5 PASS			VN	40	1.77	0.002173	± 2.5	PASS		
VN 50 -1.58 -0.001939 ± 2.5 PASS			VN	50	-1.58	-0.001939	± 2.5	PASS		
MCH VN -30 3.17 0.003871 ± 2.5 PASS		MCH	VN	-30	3.17	0.003871	± 2.5	PASS		
VN -20 -0.25 -0.000305 ± 2.5 PASS		IVICH	VN	-20	-0.25	-0.000305	± 2.5	PASS		

	1		4.0				D4.00
		VN	-10	-0.1	-0.000122	± 2.5	PASS
		VN	0	0.26	0.000317	± 2.5	PASS
		VN	10	4.78	0.005836	± 2.5	PASS
		VN	20	0.91	0.001111	± 2.5	PASS
		VN	30	2.29	0.002796	± 2.5	PASS
		VN	40	-1.9	-0.002320	± 2.5	PASS
		VN	50	4.44	0.005421	± 2.5	PASS
		VN	-30	3.2	0.003887	± 2.5	PASS
		VN	-20	4.93	0.005988	± 2.5	PASS
		VN	-10	0.89	0.001081	± 2.5	PASS
		VN	0	-1.35	-0.001640	± 2.5	PASS
	HCH	VN	10	2.53	0.003073	± 2.5	PASS
		VN	20	-0.27	-0.000328	± 2.5	PASS
		VN	30	-1.2	-0.001458	± 2.5	PASS
		VN	40	0.9	0.001093	± 2.5	PASS
		VN	50	-0.83	-0.001008	± 2.5	PASS
		VN	-30	0.15	0.000184	± 2.5	PASS
		VN	-20	1.18	0.001448	± 2.5	PASS
		VN	-10	-1.13	-0.001387	± 2.5	PASS
		VN	0	4.04	0.004959	± 2.5	PASS
	LCH	VN	10	4.9	0.006014	± 2.5	PASS
		VN	20	3.55	0.004357	± 2.5	PASS
		VN	30	4.7	0.005769	± 2.5	PASS
		VN	40	1.71	0.002099	± 2.5	PASS
		VN	50	3.47	0.004259	± 2.5	PASS
		VN	-30	3.17	0.003871	± 2.5	PASS
		VN	-20	1.12	0.001368	± 2.5	PASS
		VN	-10	0.26	0.000317	± 2.5	PASS
16QAM		VN	0	-0.84	-0.001026	± 2.5	PASS
	МСН	VN	10	1.55	0.001893	± 2.5	PASS
		VN	20	-0.16	-0.000195	± 2.5	PASS
		VN	30	-1.9	-0.002320	± 2.5	PASS
		VN	40	2.91	0.003553	± 2.5	PASS
		VN	50	4.03	0.004921	± 2.5	PASS
		VN	-30	1.78	0.002162	± 2.5	PASS
		VN	-20	-0.82	-0.000996	± 2.5	PASS
		VN	-10	2.91	0.003535	± 2.5	PASS
	НСН	VN	0	2.05	0.002490	± 2.5	PASS
		VN	10	2.36	0.002160	± 2.5	PASS
		VN	20	1.63	0.002007	± 2.5	PASS
		VN	30	1.43	0.001300	± 2.5	PASS
		VIN	30	1.73	0.001737	± 2.0	1 700

	VN	40	-0.58	-0.000704	± 2.5	PASS
	VN	50	4.24	0.005150	± 2.5	PASS

# **Channel Bandwidth: 3 MHz**

			Channel Band	lwidth: 3 MHz+						
Voltage										
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict			
		VL	TN	1.72	0.002109	± 2.5	PASS			
	LCH	VN	TN	-0.84	-0.001030	± 2.5	PASS			
		VH	TN	2.46	0.003017	± 2.5	PASS			
		VL	TN	1.1	0.001343	± 2.5	PASS			
QPSK	MCH	VN	TN	-1.57	-0.001917	± 2.5	PASS			
		VH	TN	2.98	0.003639	± 2.5	PASS			
		VL	TN	0.42	0.000511	± 2.5	PASS			
	HCH	VN	TN	1.78	0.002164	± 2.5	PASS			
		VH	TN	-0.6	-0.000729	n) (ppm) 109 ± 2.5 030 ± 2.5 017 ± 2.5 343 ± 2.5 917 ± 2.5 639 ± 2.5 511 ± 2.5 729 ± 2.5 714 ± 2.5 729 ± 2.5 744 ± 2.5 783 ± 2.5 647 ± 2.5 647 ± 2.5 647 ± 2.5 647 ± 2.5 647 ± 2.5 648 ± 2.5 973 ± 2.5 608 ± 2.5 608 ± 2.5 608 ± 2.5 609 ± 2.5 722 ± 2.5 741 ± 2.5 752 ± 2.5 753 ± 2.5 753 ± 2.5 754 ± 2.5 755 ± 2.5 757 ± 2.5 758 ± 2.5	PASS			
		VL	TN	4.66	0.005714	± 2.5	PASS			
	LCH	VN	TN	-1.86	-0.002281	± 2.5	PASS			
		VH	TN	-1.63	-0.001999	± 2.5	PASS			
	MCH	VL	TN	1.46	0.001783	± 2.5	PASS			
16QAM		VN	TN	-0.53	-0.000647	± 2.5	PASS			
		VH	TN	1.26	0.001538	± 2.5	PASS			
	НСН	VL	TN	-1	-0.001216	± 2.5	PASS			
		VN	TN	0.8	0.000973	± 2.5	PASS			
		VH	TN	0.5	0.000608	± 2.5	PASS			
			Tempe	erature		1				
Modulation	Channel	Voltage [Vdc]	Temperature $(^{\circ}\mathbb{C})$	Deviation (Hz)	Deviation (ppm)		Verdict			
		VN	-30	1.29	0.001582	± 2.5	PASS			
		VN	-20	3.6	0.004414	± 2.5	PASS			
		VN	-10	0.79	0.000969	± 2.5	PASS			
		VN	0	2.39	0.002931	± 2.5	PASS			
	LCH	VN	10	2.67	0.003274	± 2.5	PASS			
QPSK		VN	20	0.79	0.000969	± 2.5	PASS			
QFSK		VN	30	2.22	0.002722	± 2.5	PASS			
		VN	40	-1.15	-0.001410	± 2.5	PASS			
		VN	50	0.16	0.000196	± 2.5	PASS			
		VN	-30	2.11	0.002576	± 2.5	PASS			
	MCH	VN	-20	-1.42	-0.001734	± 2.5	PASS			
		VN	-10	1.47	0.001795	± 2.5	PASS			

				I			
		VN	0	0.41	0.000501	± 2.5	PASS
		VN	10	2.58	0.003150	± 2.5	PASS
		VN	20	3.62	0.004420	± 2.5	PASS
		VN	30	1.52	0.001856	± 2.5	PASS
		VN	40	2.3	0.002808	± 2.5	PASS
		VN	50	0.4	0.000488	± 2.5	PASS
		VN	-30	-1.95	-0.002371	± 2.5	PASS
		VN	-20	2.08	0.002529	± 2.5	PASS
		VN	-10	0.92	0.001119	± 2.5	PASS
		VN	0	2.58	0.003137	± 2.5	PASS
	HCH	VN	10	0.34	0.000413	± 2.5	PASS
		VN	20	0.17	0.000207	± 2.5	PASS
		VN	30	-0.57	-0.000693	± 2.5	PASS
		VN	40	2.44	0.002967	± 2.5	PASS
		VN	50	2.99	0.003635	± 2.5	PASS
		VN	-30	4.29	0.005261	± 2.5	PASS
		VN	-20	2.95	0.003617	± 2.5	PASS
		VN	-10	4.74	0.005812	± 2.5	PASS
		VN	0	-1.32	-0.001619	± 2.5	PASS
	LCH	VN	10	1.47	0.001803	± 2.5	PASS
		VN	20	1.65	0.002023	± 2.5	PASS
		VN	30	4.14	0.005077	± 2.5	PASS
		VN	40	2.46	0.003017	± 2.5	PASS
		VN	50	-0.04	-0.000049	± 2.5	PASS
	MCH	VN	-30	0.53	0.000647	± 2.5	PASS
		VN	-20	2.61	0.003187	± 2.5	PASS
		VN	-10	-1.72	-0.002100	± 2.5	PASS
		VN	0	4.89	0.005971	± 2.5	PASS
QPSK		VN	10	4.89	0.005971	± 2.5	PASS
		VN	20	3.44	0.004200	± 2.5	PASS
		VN	30	0.42	0.000513	± 2.5	PASS
		VN	40	-1.67	-0.002039	± 2.5	PASS
		VN	50	2.51	0.003065	± 2.5	PASS
		VN	-30	4.15	0.005046	± 2.5	PASS
		VN	-20	2.3	0.002796	± 2.5	PASS
		VN	-10	3.89	0.004729	± 2.5	PASS
		VN	0	3.19	0.003878	± 2.5	PASS
	HCH	VN	10	3.43	0.004170	± 2.5	PASS
		VN	20	3.07	0.003733	± 2.5	PASS
		VN	30	3.22	0.003915	± 2.5	PASS
		VN	40	1.47	0.001787	± 2.5	PASS
		VIV	70	1.77	3.301707	± 2.0	. 7.00

	VN	50	2.16	0.002626	± 2.5	PASS

# **Channel Bandwidth: 5 MHz**

Nodulation   Channe   Voltage				Channel Ban	dwidth: 5 MHz					
Chaine   [Vdc]   (°C)   (Hz)   (ppm)   (ppm)   Vertical   Vertic	Voltage Temperature Deviation Deviation Limit									
CH	Modulation	Channel						Verdict		
OPSK         VH         TN         -1.92         -0.002352         ± 2.5         PASS           MCH         VL         TN         0.48         0.000586         ± 2.5         PASS           VH         TN         -1.18         -0.001441         ± 2.5         PASS           VH         TN         -0.75         -0.000916         ± 2.5         PASS           VL         TN         1.78         0.002167         ± 2.5         PASS           VH         TN         2.74         0.003335         ± 2.5         PASS           VH         TN         4.59         0.005687         ± 2.5         PASS           VH         TN         4.19         0.005132         ± 2.5         PASS           VH         TN         1.78         -0.002180         ± 2.5         PASS           VH         TN         1.04         0.001270         ± 2.5         PASS           VL         TN         1.04         0.001270         ± 2.5         PASS           VH         TN         4.48         0.005404         ± 2.5         PASS           VH         TN         2.9         0.003530         ± 2.5         PASS           <			VL	TN	-0.38	-0.000465	± 2.5	PASS		
OPSK         MCH         VL         TN         0.48         0.000586         ± 2.5         PASS           OPSK         MCH         VN         TN         -1.18         -0.001441         ± 2.5         PASS           VH         TN         -0.75         -0.000916         ± 2.5         PASS           VL         TN         1.78         0.002167         ± 2.5         PASS           VH         TN         2.74         0.003335         ± 2.5         PASS           VH         TN         4.19         0.005587         ± 2.5         PASS           VH         TN         4.19         0.005132         ± 2.5         PASS           VH         TN         1.78         -0.002180         ± 2.5         PASS           VH         TN         1.04         0.001270         ± 2.5         PASS           VH         TN         4.59         0.005604         ± 2.5         PASS           VH         TN         4.48         0.005470         ± 2.5         PASS           VH         TN         2.9         0.003630         ± 2.5         PASS           VH         TN         2.9         0.003530         <		LCH	VN	TN	4.41	0.005401	± 2.5	PASS		
QPSK         MCH         VN         TN         -1.18         -0.001441         ±2.5         PASS           VH         TN         -0.75         -0.000916         ±2.5         PASS           VL         TN         1.78         0.002167         ±2.5         PASS           VL         TN         1.78         0.003335         ±2.5         PASS           VH         TN         4.59         0.00587         ±2.5         PASS           VL         TN         4.19         0.005132         ±2.5         PASS           VH         TN         1.78         -0.002180         ±2.5         PASS           VH         TN         1.78         -0.002180         ±2.5         PASS           VH         TN         1.04         0.001270         ±2.5         PASS           VH         TN         1.04         0.001270         ±2.5         PASS           VH         TN         4.48         0.005604         ±2.5         PASS           VH         TN         2.9         0.003530         ±2.5         PASS           VH         TN         2.9         0.003530         ±2.5         PASS           VH			VH	TN	-1.92	-0.002352	± 2.5	PASS		
VH			VL	TN	0.48	0.000586	± 2.5	PASS		
HCH	QPSK	MCH	VN	TN	-1.18	-0.001441	± 2.5	PASS		
HCH			VH	TN	-0.75	-0.000916	± 2.5	PASS		
New Part			VL	TN	1.78	0.002167	± 2.5	PASS		
LCH		HCH	VN	TN	2.74	0.003335	± 2.5	PASS		
LCH			VH	TN	4.59	0.005587	(ppm)  ± 2.5	PASS		
New Part			VL	TN	4.19	0.005132	± 2.5	PASS		
Name		LCH	VN	TN	2.79	0.003417	± 2.5	PASS		
MCH			VH	TN	-1.78	-0.002180	± 2.5	PASS		
VH		MCH	VL	TN	1.04	0.001270	± 2.5	PASS		
HCH	16QAM		VN	TN	4.59	0.005604	± 2.5	PASS		
HCH			VH	TN	4.48	0.005470	± 2.5	PASS		
VH		НСН	VL	TN	-0.7	-0.000852	± 2.5	PASS		
Modulation   Channel   Voltage   Temperature   Deviation (Hz)   Deviation (ppm)   Channel   Voltage   Temperature (°C)   Deviation (Hz)   Deviation (ppm)   Channel (ppm)   Verdict (ppm)			VN	TN	2.9	0.003530	± 2.5	PASS		
Modulation         Channel         Voltage [Vdc]         Temperature (°C)         Deviation (Hz)         Deviation (ppm)         Limit (ppm)         Verdict           VN         -30         -0.36         -0.000441         ± 2.5         PASS           VN         -20         -0.94         -0.001151         ± 2.5         PASS           VN         -10         -1.62         -0.001984         ± 2.5         PASS           VN         0         1.42         0.001739         ± 2.5         PASS           VN         20         2.64         0.003233         ± 2.5         PASS           VN         30         3.36         0.004115         ± 2.5         PASS           VN         40         4.7         0.005756         ± 2.5         PASS           VN         50         4.19         0.005132         ± 2.5         PASS           VN         -30         4.24         0.005177         ± 2.5         PASS           VN         -20         2.8         0.003419         ± 2.5         PASS           VN         -30         4.24         0.005177         ± 2.5         PASS           VN         -30         4.55         0.005556			VH	TN	2.8	0.003408	± 2.5	PASS		
VN		_	Temperature							
VN         -20         -0.94         -0.001151         ± 2.5         PASS           VN         -10         -1.62         -0.001984         ± 2.5         PASS           VN         0         1.42         0.001739         ± 2.5         PASS           VN         10         -0.7         -0.000857         ± 2.5         PASS           VN         20         2.64         0.003233         ± 2.5         PASS           VN         30         3.36         0.004115         ± 2.5         PASS           VN         40         4.7         0.005756         ± 2.5         PASS           VN         50         4.19         0.005132         ± 2.5         PASS           VN         -30         4.24         0.005177         ± 2.5         PASS           VN         -20         2.8         0.003419         ± 2.5         PASS           VN         -10         4.55         0.005556         ± 2.5         PASS	Modulation	Channel						Verdict		
VN			VN	-30	-0.36	-0.000441	± 2.5	PASS		
VN         0         1.42         0.001739         ± 2.5         PASS           VN         10         -0.7         -0.000857         ± 2.5         PASS           VN         20         2.64         0.003233         ± 2.5         PASS           VN         30         3.36         0.004115         ± 2.5         PASS           VN         40         4.7         0.005756         ± 2.5         PASS           VN         50         4.19         0.005132         ± 2.5         PASS           VN         -30         4.24         0.005177         ± 2.5         PASS           VN         -20         2.8         0.003419         ± 2.5         PASS           VN         -10         4.55         0.005556         ± 2.5         PASS			VN	-20	-0.94	-0.001151	± 2.5	PASS		
QPSK  LCH  VN  10  -0.7  -0.000857  ± 2.5  PASS  VN  20  2.64  0.003233  ± 2.5  PASS  VN  30  3.36  0.004115  ± 2.5  PASS  VN  40  4.7  0.005756  ± 2.5  PASS  VN  50  4.19  0.005132  ± 2.5  PASS  VN  -30  4.24  0.005177  ± 2.5  PASS  VN  -20  2.8  0.003419  ± 2.5  PASS  VN  -10  4.55  0.005556  ± 2.5  PASS			VN	-10	-1.62	-0.001984	± 2.5	PASS		
VN         20         2.64         0.003233         ± 2.5         PASS           VN         30         3.36         0.004115         ± 2.5         PASS           VN         40         4.7         0.005756         ± 2.5         PASS           VN         50         4.19         0.005132         ± 2.5         PASS           VN         -30         4.24         0.005177         ± 2.5         PASS           VN         -20         2.8         0.003419         ± 2.5         PASS           VN         -10         4.55         0.005556         ± 2.5         PASS			VN	0	1.42	0.001739	± 2.5	PASS		
VN         30         3.36         0.004115         ± 2.5         PASS           VN         40         4.7         0.005756         ± 2.5         PASS           VN         50         4.19         0.005132         ± 2.5         PASS           VN         -30         4.24         0.005177         ± 2.5         PASS           VN         -20         2.8         0.003419         ± 2.5         PASS           VN         -10         4.55         0.005556         ± 2.5         PASS		LCH	VN	10	-0.7	-0.000857	± 2.5	PASS		
VN         40         4.7         0.005756         ± 2.5         PASS           VN         50         4.19         0.005132         ± 2.5         PASS           VN         -30         4.24         0.005177         ± 2.5         PASS           VN         -20         2.8         0.003419         ± 2.5         PASS           VN         -10         4.55         0.005556         ± 2.5         PASS			VN	20	2.64	0.003233	± 2.5	PASS		
VN         50         4.19         0.005132         ± 2.5         PASS           VN         -30         4.24         0.005177         ± 2.5         PASS           VN         -20         2.8         0.003419         ± 2.5         PASS           VN         -10         4.55         0.005556         ± 2.5         PASS	QPSK		VN	30	3.36	0.004115	± 2.5	PASS		
MCH			VN	40	4.7	0.005756	± 2.5	PASS		
MCH			VN	50	4.19	0.005132	± 2.5	PASS		
MCH VN -10 4.55 0.005556 ± 2.5 PASS			VN	-30	4.24	0.005177	± 2.5	PASS		
VN -10 4.55 0.005556 ± 2.5 PASS		MCH	VN	-20	2.8	0.003419	± 2.5	PASS		
VN 0 2.25 0.002747 ± 2.5 PASS		IVICH	VN	-10	4.55	0.005556	± 2.5	PASS		
			VN	0	2.25	0.002747	± 2.5	PASS		

		1/1/1	40		0.000407	0.5	D4.00
		VN	10	-1.75	-0.002137	± 2.5	PASS
		VN	20	3.9	0.004762	± 2.5	PASS
		VN	30	2.67	0.003260	± 2.5	PASS
		VN	40	0.25	0.000305	± 2.5	PASS
		VN	50	2.65	0.003236	± 2.5	PASS
		VN	-30	2.09	0.002544	± 2.5	PASS
		VN	-20	-1.56	-0.001899	± 2.5	PASS
		VN	-10	0.84	0.001023	± 2.5	PASS
		VN	0	0.7	0.000852	± 2.5	PASS
	HCH	VN	10	3.86	0.004699	± 2.5	PASS
		VN	20	1.68	0.002045	± 2.5	PASS
		VN	30	2.39	0.002909	± 2.5	PASS
		VN	40	2.82	0.003433	± 2.5	PASS
		VN	50	1.89	0.002301	± 2.5	PASS
		VN	-30	2.25	0.002756	± 2.5	PASS
		VN	-20	1.64	0.002009	± 2.5	PASS
	LCH	VN	-10	-1.92	-0.002352	± 2.5	PASS
		VN	0	1.71	0.002094	± 2.5	PASS
		VN	10	0.57	0.000698	± 2.5	PASS
		VN	20	0.56	0.000686	± 2.5	PASS
		VN	30	-1.9	-0.002327	± 2.5	PASS
		VN	40	4.48	0.005487	± 2.5	PASS
		VN	50	-1.63	-0.001996	± 2.5	PASS
	МСН	VN	-30	1.41	0.001722	± 2.5	PASS
		VN	-20	3.91	0.004774	± 2.5	PASS
		VN	-10	-1.23	-0.001502	± 2.5	PASS
		VN	0	2.06	0.002515	± 2.5	PASS
16QAM		VN	10	-0.84	-0.001026	± 2.5	PASS
		VN	20	4.27	0.005214	± 2.5	PASS
		VN	30	4.02	0.004908	± 2.5	PASS
		VN	40	-0.06	-0.000073	± 2.5	PASS
		VN	50	1.63	0.001990	± 2.5	PASS
		VN	-30	1.04	0.001266	± 2.5	PASS
		VN	-20	-0.63	-0.000767	± 2.5	PASS
		VN	-10	3.87	0.004711	± 2.5	PASS
		VN	0	1.97	0.002398	± 2.5	PASS
	НСН	VN	10	4.66	0.005673	± 2.5	PASS
		VN	20	4.54	0.005526	± 2.5	PASS
		VN	30	-0.38	-0.000463	± 2.5	PASS
		VN	40	1.05	0.001278	± 2.5	PASS
		VN	50	0.17	0.000207	± 2.5	PASS
	<u> </u>	VIN	30	0.17	0.000207	± 2.5	FASS

# **Channel Bandwidth: 10 MHz**

			Channel Band	lwidth: 10 MHz							
Voltage Voltage Poviation Division Limit											
Modulation	Channel	Voltage [Vdc]	Temperature (°ℂ)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict				
		VL	TN	3.69	0.004505	± 2.5	PASS				
QPSK	MCH	VN	TN	4.56	0.005568	± 2.5	PASS				
		VH	TN	-0.53	-0.000647	(ppm) ± 2.5	PASS				
		VL	1.49	0.001819	1.49	± 2.5	PASS				
16QAM	MCH	VN	3.09	0.003773	3.09	± 2.5	PASS				
		VH	3.33	0.004066	3.33	± 2.5	PASS				
			Tempe	erature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)		Verdict				
	MCH	VN	-30	0.000171	0.000171	± 2.5	PASS				
		VN	-20	-0.000818	-0.000818	± 2.5	PASS				
		VN	-10	-0.001612	-0.001612	± 2.5	PASS				
		VN	0	0.004847	0.004847	± 2.5	PASS				
16QAM		VN	10	0.004872	0.004872	± 2.5	PASS				
		VN	20	0.004310	0.004310	± 2.5	PASS				
		VN	30	0.000403	0.000403	± 2.5	PASS				
		VN	40	-0.000488	-0.000488	± 2.5	PASS				
		VN	50	0.003199	0.003199	(ppm) ± 2.5 ± 2.5 ± 2.5 ± 2.5 ± 2.5  ± 2.5	PASS				
		VN	-30	0.002613	0.002613	± 2.5	PASS				
		VN	-20	0.000122	0.000122	± 2.5	PASS				
		VN	-10	0.004493	0.004493	± 2.5	PASS				
		VN	0	-0.000586	-0.000586	± 2.5	PASS				
QPSK	MCH	VN	10	0.002943	0.002943	± 2.5	PASS				
		VN	20	0.005495	0.005495	± 2.5	PASS				
		VN	30	-0.001966	-0.001966	± 2.5	PASS				
		VN	40	-0.000183	-0.000183	± 2.5	PASS				
		VN	50	0.003858	0.003858	± 2.5	PASS				