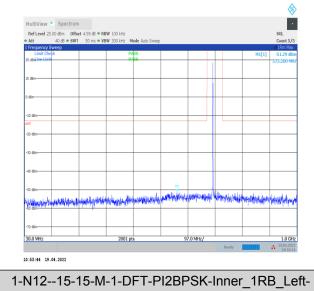


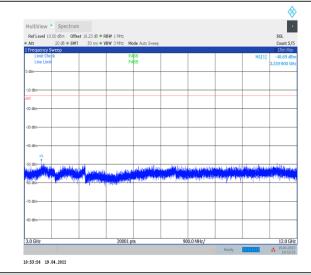
Report No.: SEWA2204000008RG02

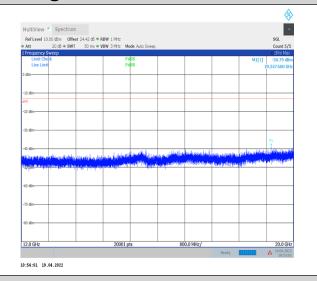
Rev.: 01 Page: 44 of 52



1-N12--15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1--51.29--13-PASS

1-N12--15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1--37.39--13-PASS





1-N12--15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1--48.69--13-PASS

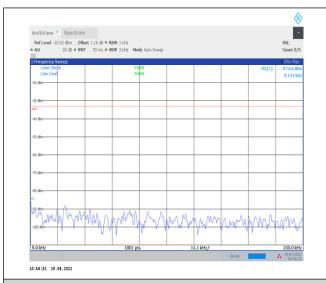
1-N12--15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--38.79--13-PASS





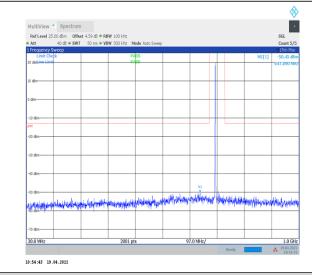
Report No.: SEWA2204000008RG02

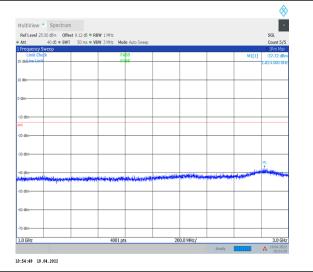
Rev.: 01 Page: 45 of 52



1-N12--15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1--87.64--33-PASS

1-N12--15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1--84.42--23-PASS





1-N12--15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1--50.45--13-PASS

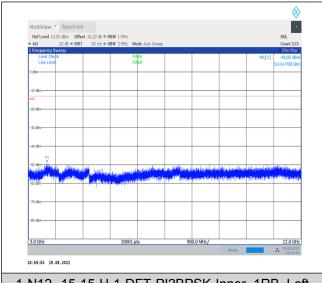
1-N12--15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1--37.72--13-PASS

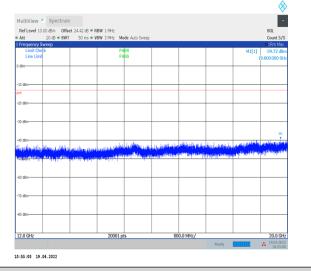




Report No.: SEWA2204000008RG02

Rev.: 01 Page: 46 of 52





1-N12--15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1--49.02--13-PASS

1-N12--15-15-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--39.72--13-PASS





Report No.: SEWA2204000008RG02

Rev.: 01 Page: 47 of 52

Field Strength of Spurious Radiation

Test Band = SA Band 12_ TM1
Test Channel = Low Channel

Final	Final Data List											
NO.	Frequency	Reading	Factor	Level	Limit	Margin	Height	Angle	Dolority			
NO.	[MHz]	[dBµV]	[dB]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity			
1	1399.68	53.45	-118.59	-65.14	-13.00	52.14	263	357	Horizontal			
2	2099.52	53.42	-116.04	-62.62	-13.00	49.62	251	175	Horizontal			
3	2799.36	51.05	-113.02	-61.97	-13.00	48.97	175	357	Horizontal			
4	3499.2	50.03	-111.91	-61.88	-13.00	48.88	265	175	Horizontal			
5	4199.04	48.48	-109.45	-60.97	-13.00	47.97	284	298	Horizontal			
6	4898.88	50.83	-108.05	-57.22	-13.00	44.22	144	50	Horizontal			

Final	Final Data List											
NO.	Frequency	Reading	Factor	Level	Limit	Margin Hei		Angle	Dolority			
INO.	[MHz]	[dBµV]	[dB]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity			
1	1399.68	53.41	-118.59	-65.18	-13.00	52.18	263	76	Vertical			
2	2099.52	51.49	-116.04	-64.55	-13.00	51.55	241	278	Vertical			
3	2799.36	51.87	-113.02	-61.15	-13.00	48.15	176	123	Vertical			
4	3499.2	51.64	-111.91	-60.27	-13.00	47.27	284	360	Vertical			
5	4199.04	48.53	-109.45	-60.92	-13.00	47.92	166	310	Vertical			
6	4898.88	51.48	-108.05	-56.57	-13.00	43.57	324	295	Vertical			





Report No.: SEWA2204000008RG02

Rev.: 01 Page: 48 of 52

Test Band = SA Band 12_ TM1 Test Channel = Mid Channel

Final	Final Data List											
NO.	Frequency	Reading	Factor	Level	Limit	Margin	Height	Angle	Dolority			
NO.	[MHz]	[dBµV]	[dB]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity			
1	1401.68	51.71	-118.58	-66.87	-13.00	53.87	251	112	Horizontal			
2	2102.52	52.40	-116.03	-63.63	-13.00	50.63	142	86	Horizontal			
3	2803.36	50.41	-113.01	-62.60	-13.00	49.60	262	33	Horizontal			
4	3504.2	51.90	-111.89	-59.99	-13.00	46.99	284	96	Horizontal			
5	4205.04	48.71	-109.44	-60.73	-13.00	47.73	176	55	Horizontal			
6	4905.88	49.83	-108.03	-58.20	-13.00	45.20	265	127	Horizontal			

Final	Final Data List											
NO.	Frequency	Reading	Factor	Level	Limit	Margin	Height	Angle	Dolority			
NO.	[MHz]	[dBµV]	[dB]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity			
1	1401.68	52.26	-118.58	-66.32	-13.00	53.32	263	155	Vertical			
2	2102.52	52.84	-116.03	-63.19	-13.00	50.19	251	314	Vertical			
3	2803.36	51.80	-113.01	-61.21	-13.00	48.21	174	353	Vertical			
4	3504.2	50.49	-111.89	-61.40	-13.00	48.40	286	62	Vertical			
5	4205.04	49.27	-109.44	-60.17	-13.00	47.17	264	187	Vertical			
6	4905.88	51.04	-108.03	-56.99	-13.00	43.99	144	283	Vertical			





Report No.: SEWA2204000008RG02

Rev.: 01 Page: 49 of 52

Test Band = SA Band 12_ TM1 Test Channel = High Channel

Final Data List											
NO.	Frequency	Reading	Factor	Level	Limit	Margin	Height	Angle	Dolority		
NO.	[MHz]	[dBµV]	[dB]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity		
1	1403.5556	63.64	-118.58	-54.94	-13.00	41.94	263	357	Horizontal		
2	2104.4444	79.39	-116.02	-36.63	-13.00	23.63	251	313	Horizontal		
3	2807.36	51.73	-113.00	-61.27	-13.00	48.27	174	76	Horizontal		
4	3509.2	50.50	-111.88	-61.38	-13.00	48.38	286	0	Horizontal		
5	4211.04	48.86	-109.43	-60.57	-13.00	47.57	264	266	Horizontal		
6	4912.88	49.67	-108.00	-58.33	-13.00	45.33	188	156	Horizontal		

Final	Final Data List											
NO	Frequency	Reading	Factor	Level	Limit	Limit Margin Height		Angle	Dolovitu			
NO.	[MHz]	[dBµV]	[dB]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity			
1	1403.68	52.88	-118.58	-65.70	-13.00	52.70	142	313	Vertical			
2	2105.52	53.05	-116.02	-62.97	-13.00	49.97	263	360	Vertical			
3	2807.36	51.29	-113.00	-61.71	-13.00	48.71	284	187	Vertical			
4	3509.2	50.89	-111.88	-60.99	-13.00	47.99	176	218	Vertical			
5	4211.04	48.07	-109.43	-61.36	-13.00	48.36	264	360	Vertical			
6	4912.88	50.35	-108.00	-57.65	-13.00	44.65	188	77	Vertical			





Report No.: SEWA2204000008RG02

Rev.: 01

Page: 50 of 52



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Report No.: SEWA2204000008RG02

Rev.: 01

Page: 51 of 52

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

	Voltage											
Band	scs	Bandwid th	Modulation	Cha nnel	RB Config	Voltage	Temp eratur e	Deviation(Hz)	Deviation (ppm)	Verdict		
N12	15	15	DFT-PI2BPSK	М	Outer_Full	VH	NT	-1.600000	-0.002261	PASS		
N12	15	15	DFT-PI2BPSK	М	Outer_Full	VN	NT	-3.000000	-0.004240	PASS		
N12	15	15	DFT-PI2BPSK	М	Outer_Full	VL	NT	-2.800000	-0.003958	PASS		
N12	15	15	CP-QPSK	М	Outer_Full	VH	NT	1.400000	0.001979	PASS		
N12	15	15	CP-QPSK	М	Outer_Full	VN	NT	-0.700000	-0.000989	PASS		
N12	15	15	CP-QPSK	М	Outer_Full	VL	NT	-0.500000	-0.000707	PASS		





Report No.: SEWA2204000008RG02

Rev.: 01 Page: 52 of 52

Frequency Error VS. Temperature

					Voltage					
Band	scs	Bandwid th	Modulation	Cha nnel	RB Config	Voltage	Temp eratur e	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	М	Outer_Full	NV	-30	-1.500000	-0.002120	PASS
N12	15	15	DFT-PI2BPSK	М	Outer_Full	NV	-20	-2.400000	-0.003392	PASS
N12	15	15	DFT-PI2BPSK	М	Outer_Full	NV	-10	-1.300000	-0.001837	PASS
N12	15	15	DFT-PI2BPSK	М	Outer_Full	NV	0	-0.800000	-0.001131	PASS
N12	15	15	DFT-PI2BPSK	М	Outer_Full	NV	10	-2.800000	-0.003958	PASS
N12	15	15	DFT-PI2BPSK	М	Outer_Full	NV	20	-1.400000	-0.001979	PASS
N12	15	15	DFT-PI2BPSK	М	Outer_Full	NV	30	-3.100000	-0.004382	PASS
N12	15	15	DFT-PI2BPSK	М	Outer_Full	NV	40	-2.400000	-0.003392	PASS
N12	15	15	DFT-PI2BPSK	М	Outer_Full	NV	50	-1.800000	-0.002544	PASS
N12	15	15	CP-QPSK	М	Outer_Full	NV	-30	-0.100000	-0.000141	PASS
N12	15	15	CP-QPSK	М	Outer_Full	NV	-20	-1.100000	-0.001555	PASS
N12	15	15	CP-QPSK	М	Outer_Full	NV	-10	-0.900000	-0.001272	PASS
N12	15	15	CP-QPSK	М	Outer_Full	NV	0	0.200000	0.000283	PASS
N12	15	15	CP-QPSK	М	Outer_Full	NV	10	-0.800000	-0.001131	PASS
N12	15	15	CP-QPSK	М	Outer_Full	NV	20	-1.000000	-0.001413	PASS
N12	15	15	CP-QPSK	М	Outer_Full	NV	30	-0.600000	-0.000848	PASS
N12	15	15	CP-QPSK	М	Outer_Full	NV	40	0.000000	0.000000	PASS
N12	15	15	CP-QPSK	М	Outer_Full	NV	50	-0.200000	-0.000283	PASS

The End

