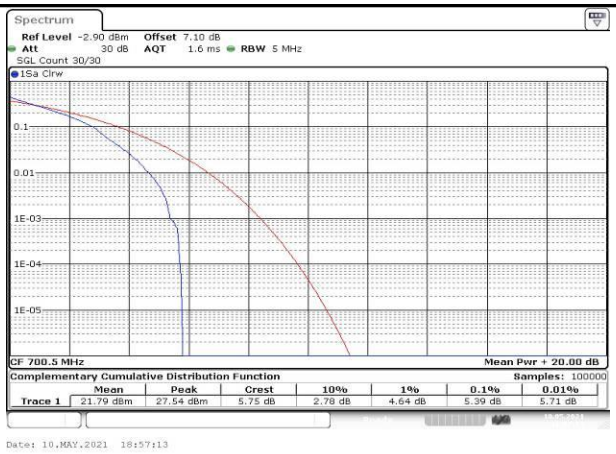
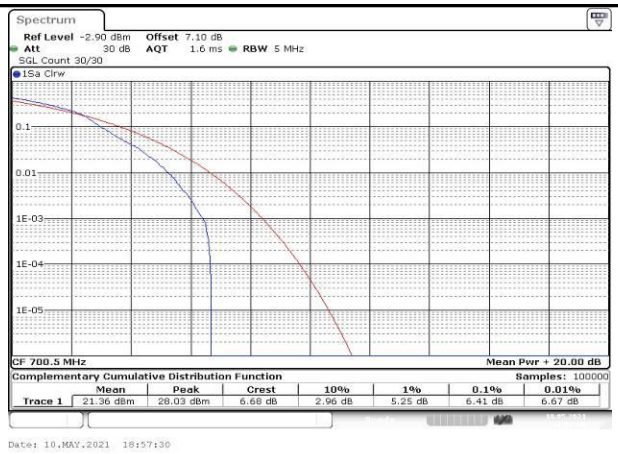


Fig.19



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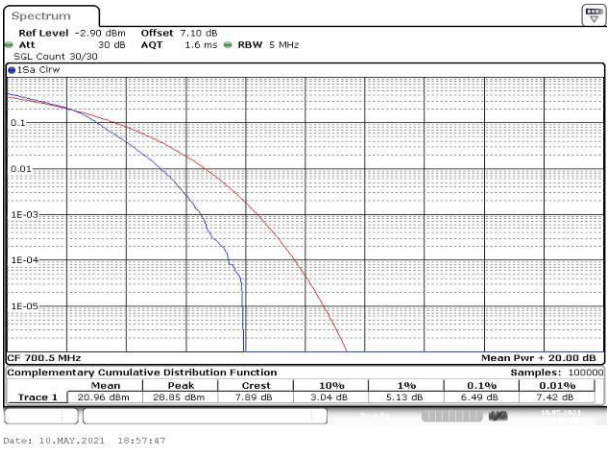

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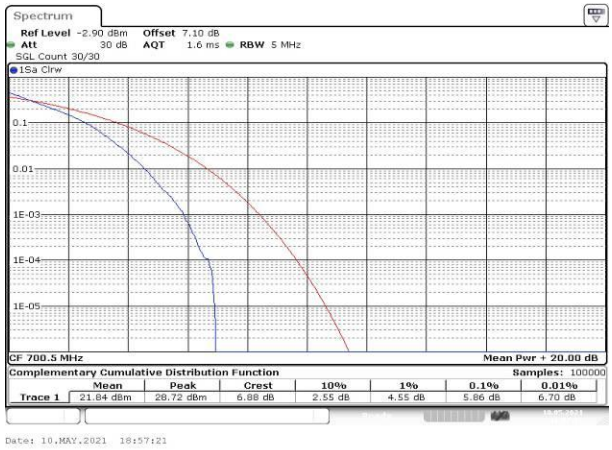

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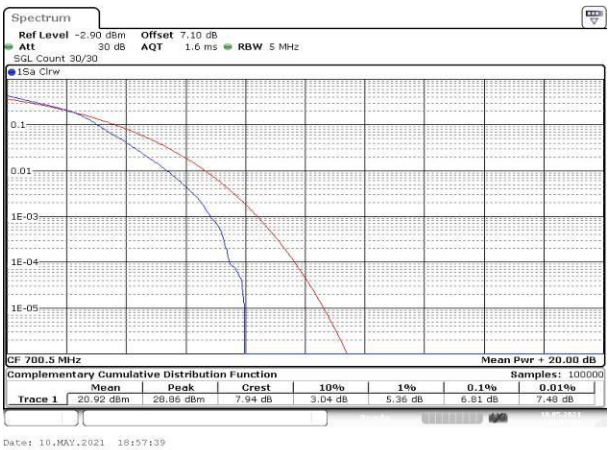

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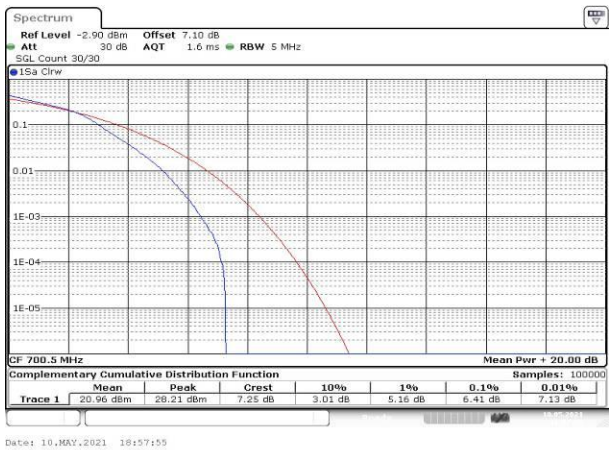

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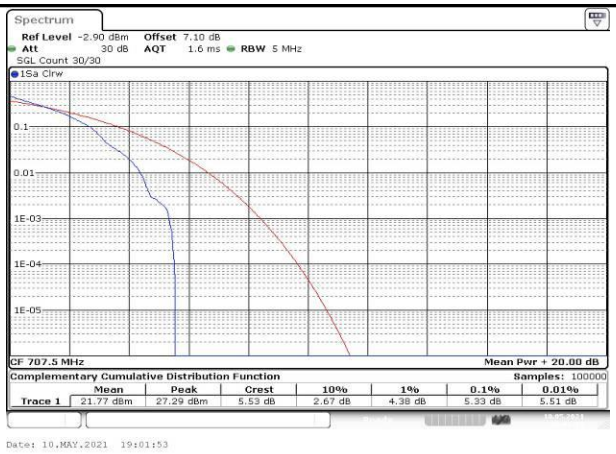

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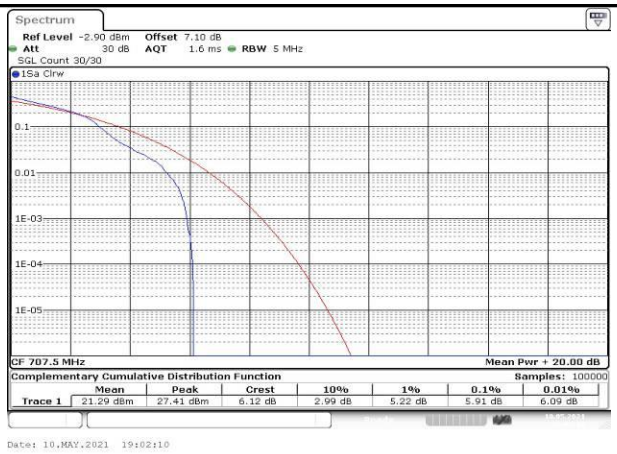

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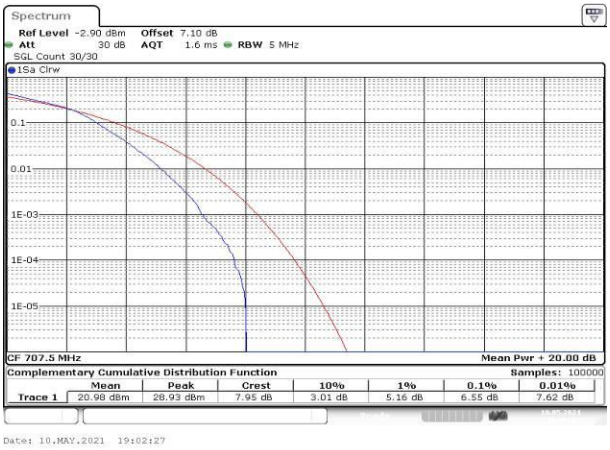


Fig.27

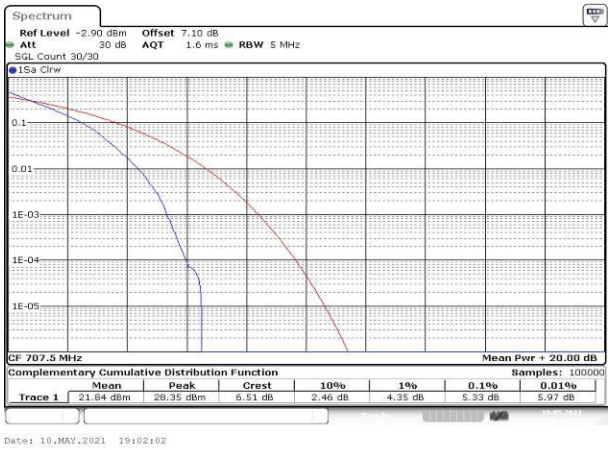
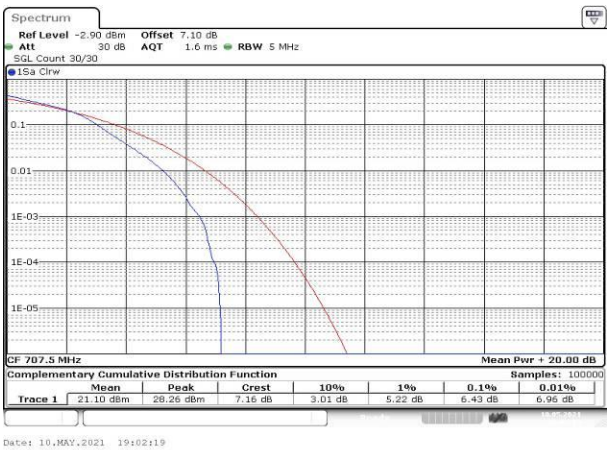


Fig.28



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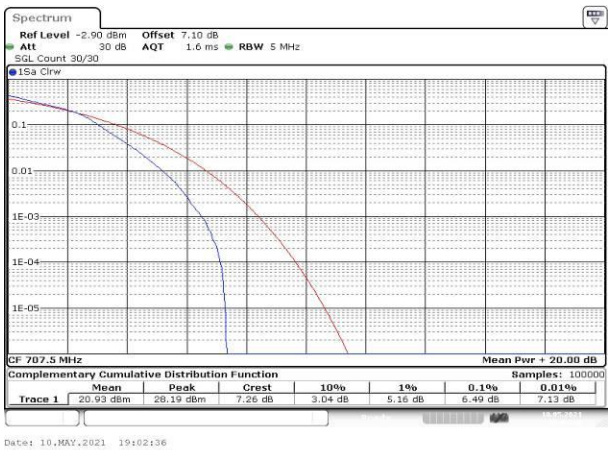


Fig.30

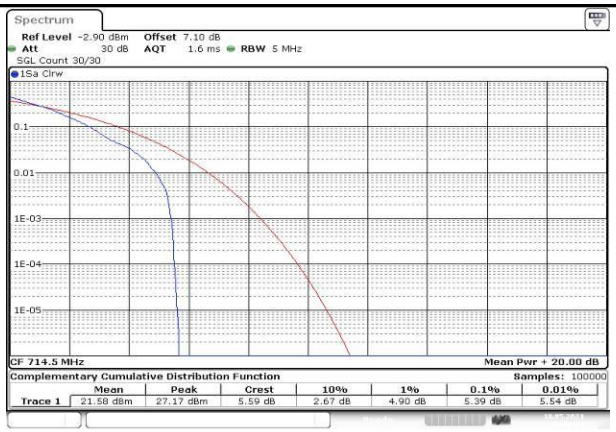


Fig.31

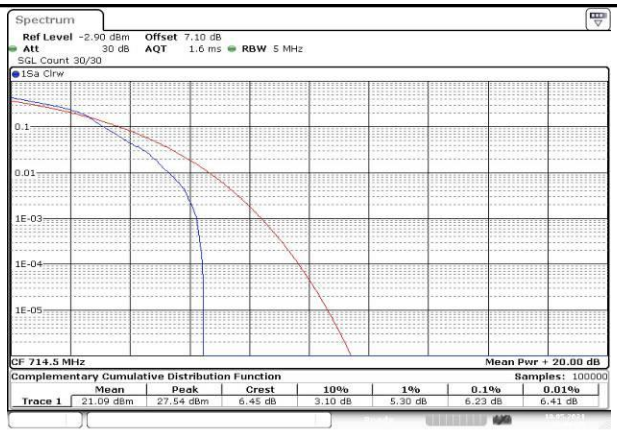


Fig.32

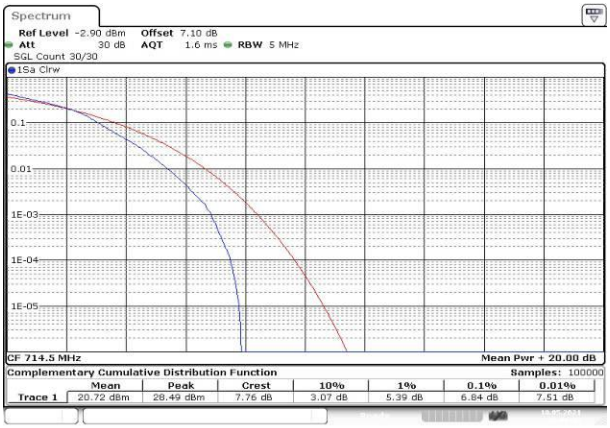


Fig.33

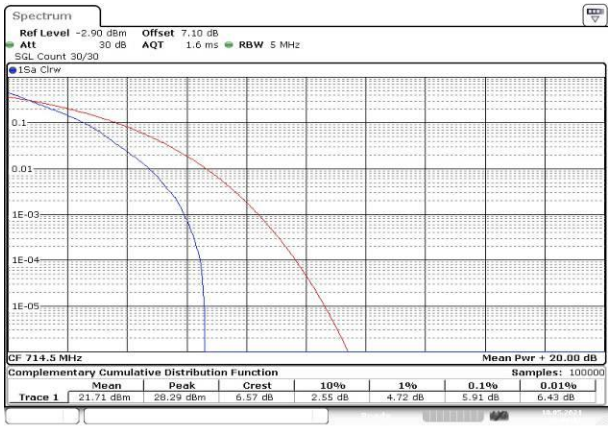


Fig.34

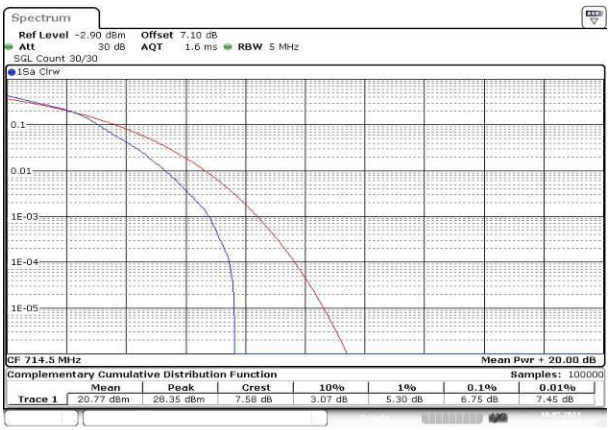


Fig.35

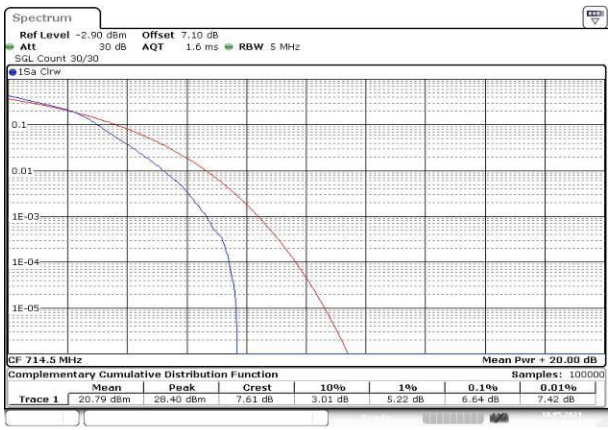


Fig.36

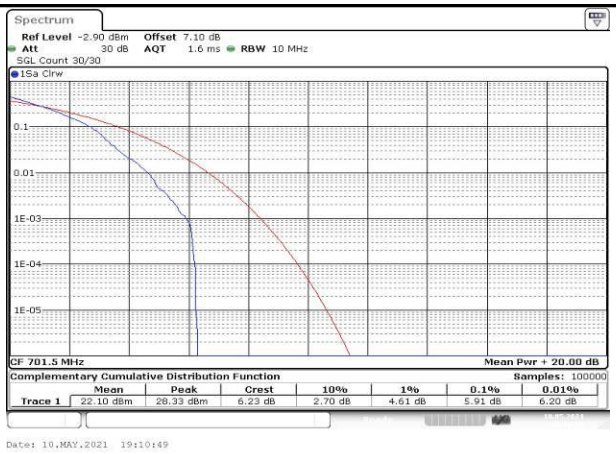


Fig.37

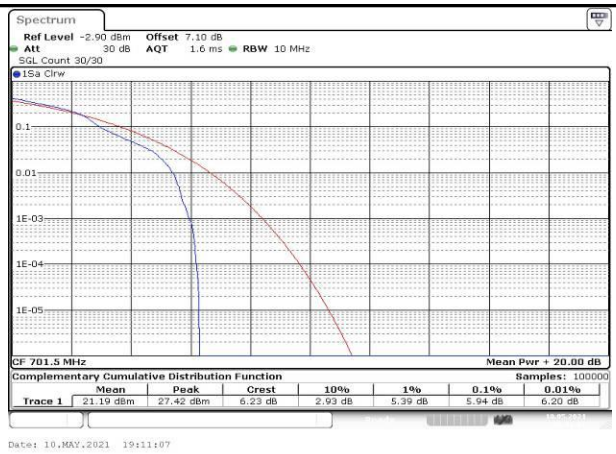


Fig.38

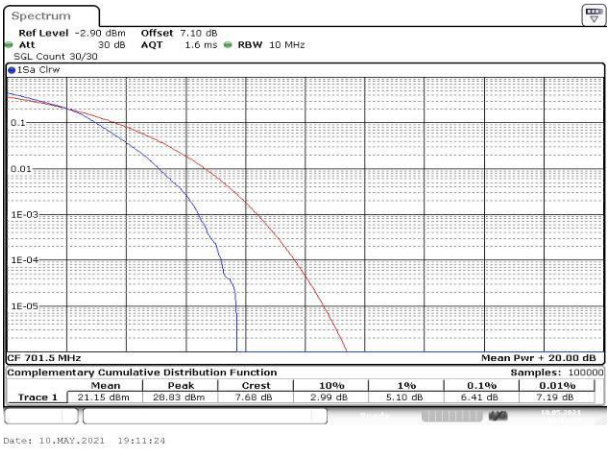


Fig.39

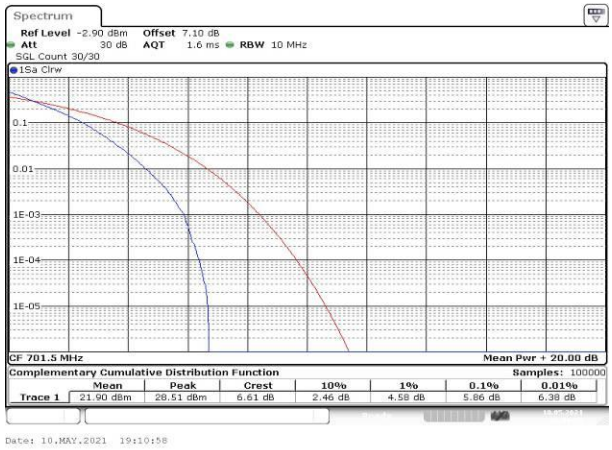


Fig.40

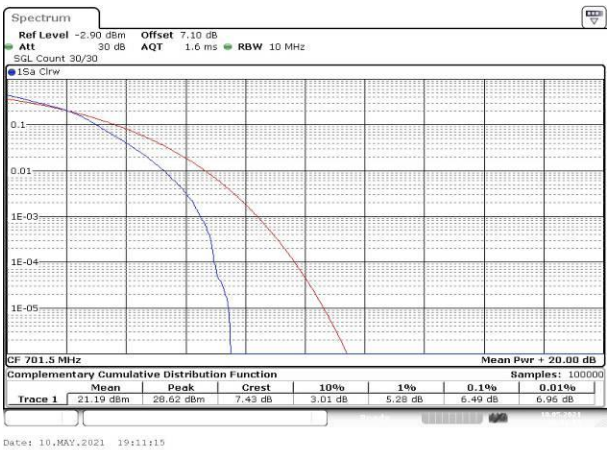


Fig.41

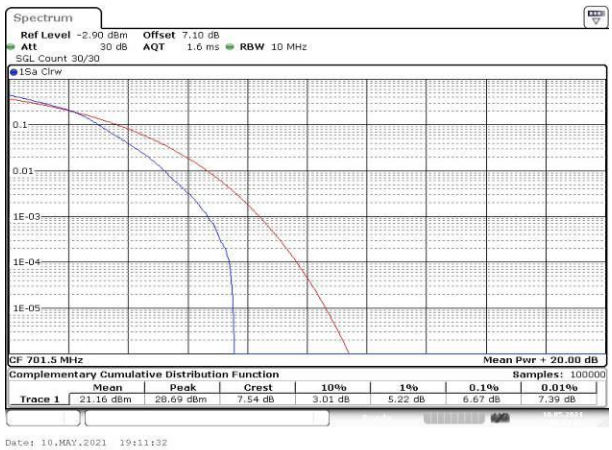


Fig.42

Fig.43

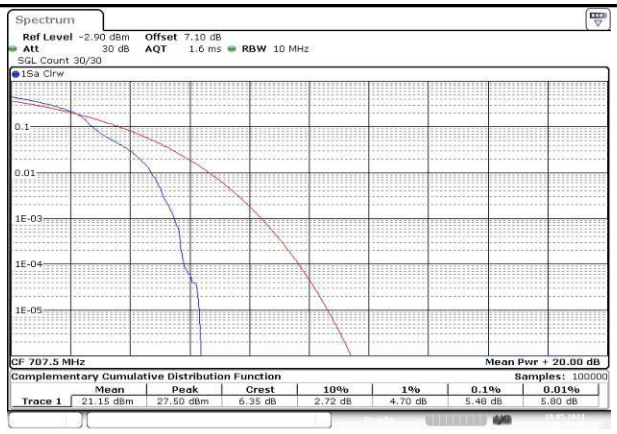


Fig.44

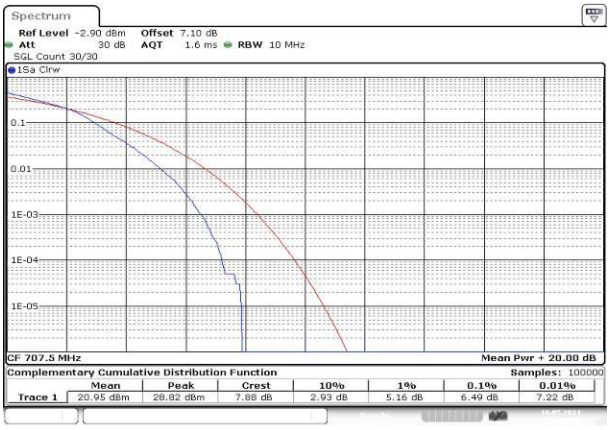


Fig.45

Fig.46

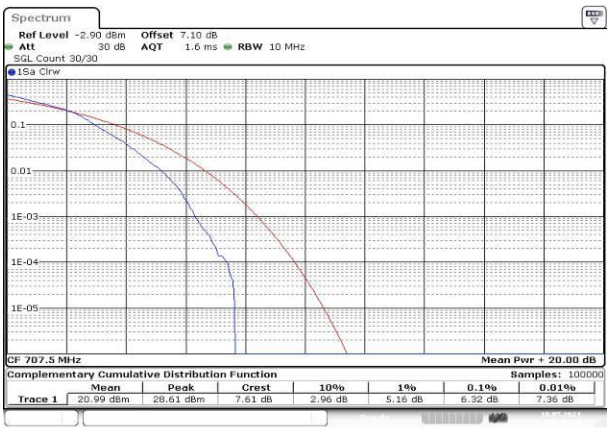


Fig.47

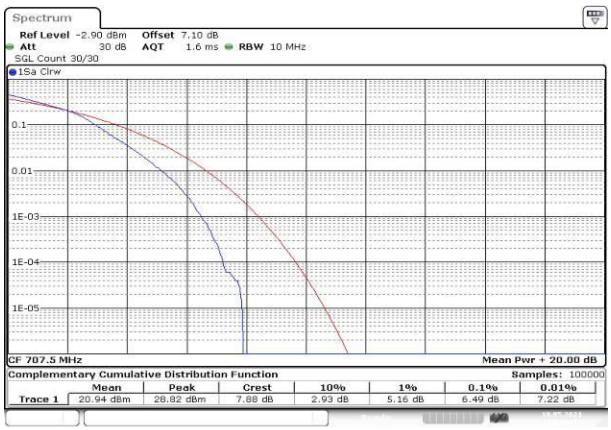


Fig.48

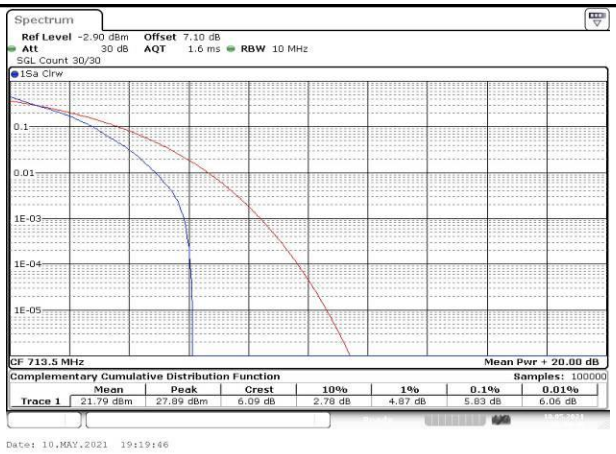


Fig.49

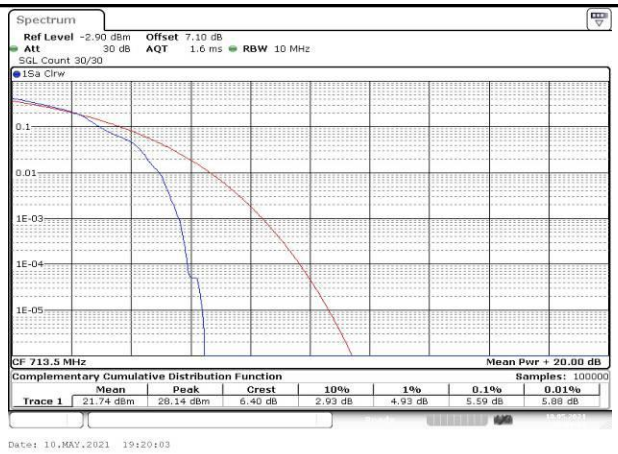


Fig.50

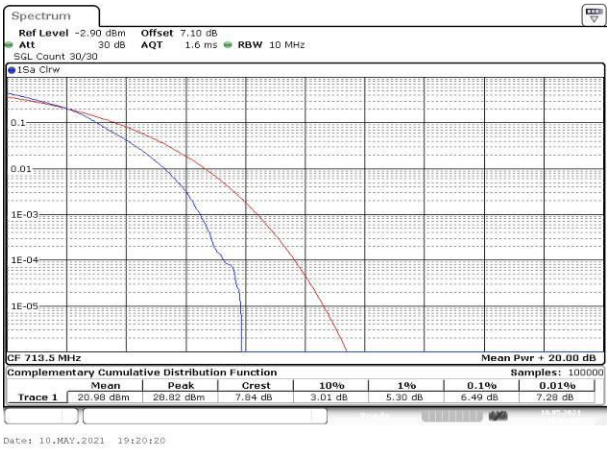


Fig.51

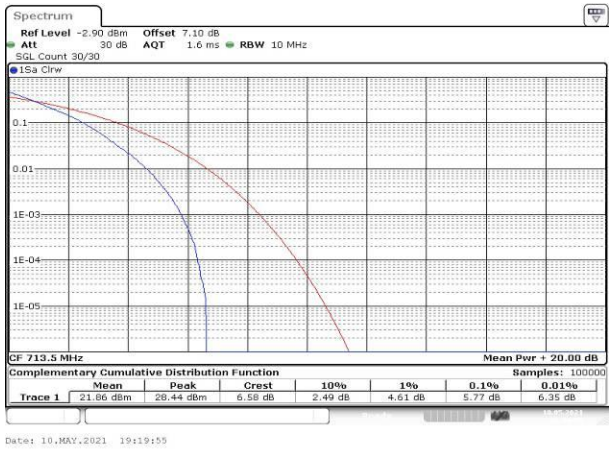
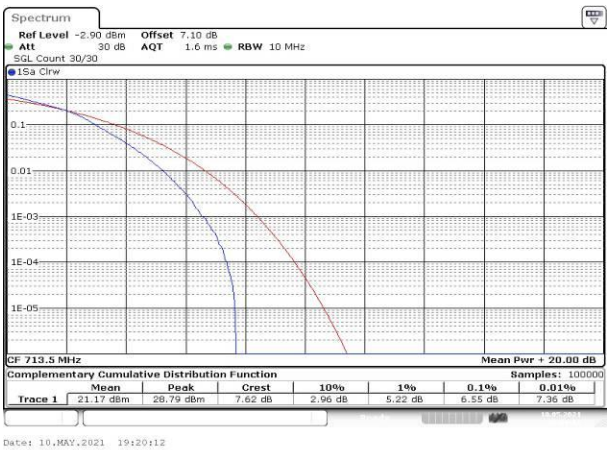


Fig.52



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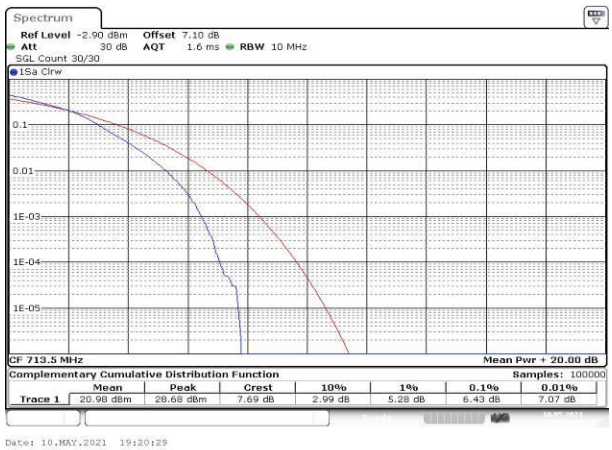


Fig.54

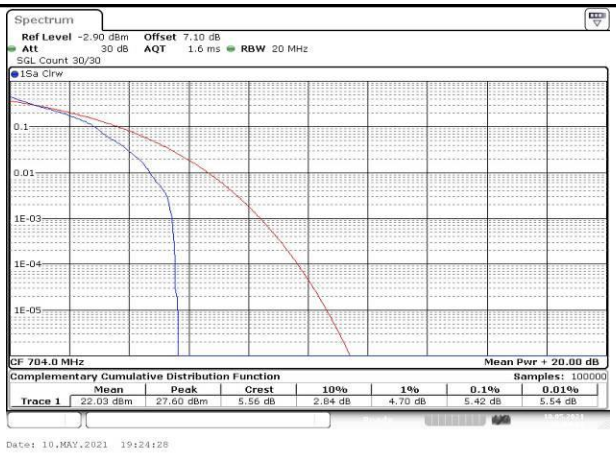


Fig.55

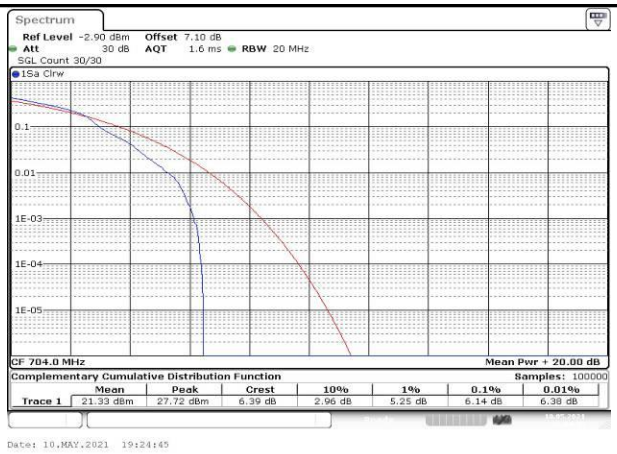


Fig.56

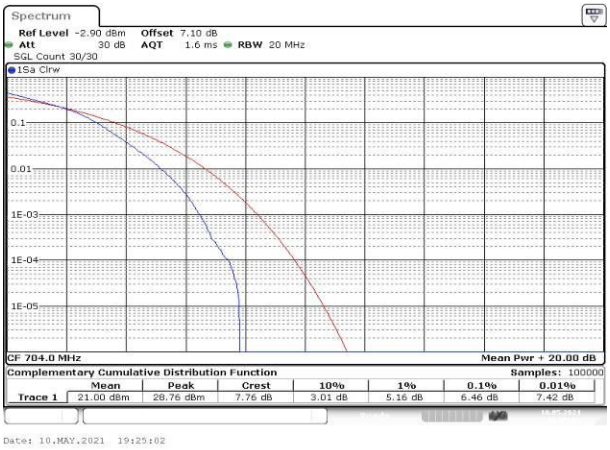


Fig.57

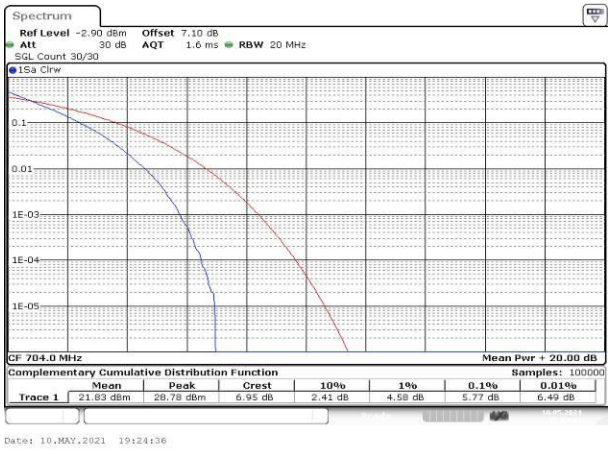


Fig.58

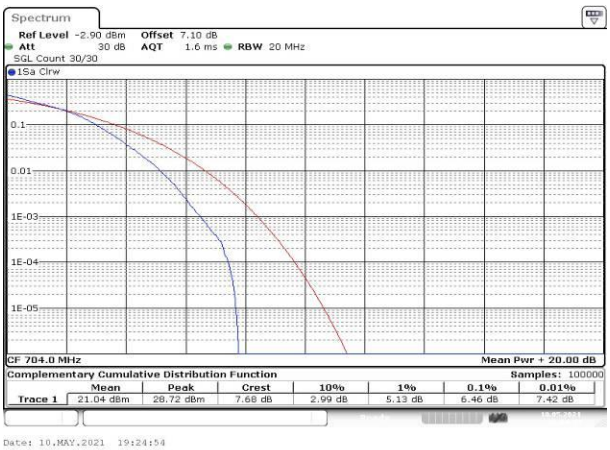


Fig.59

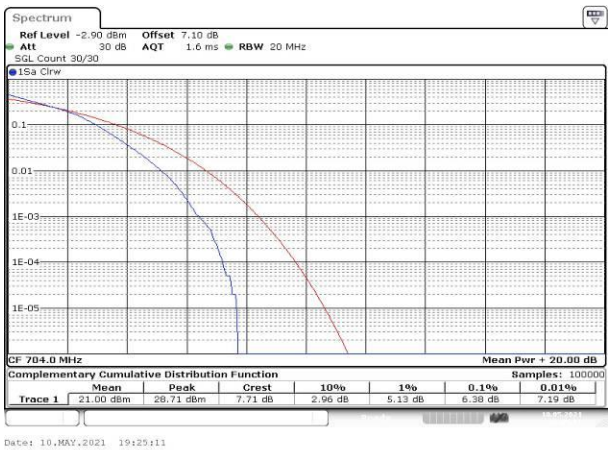


Fig.60

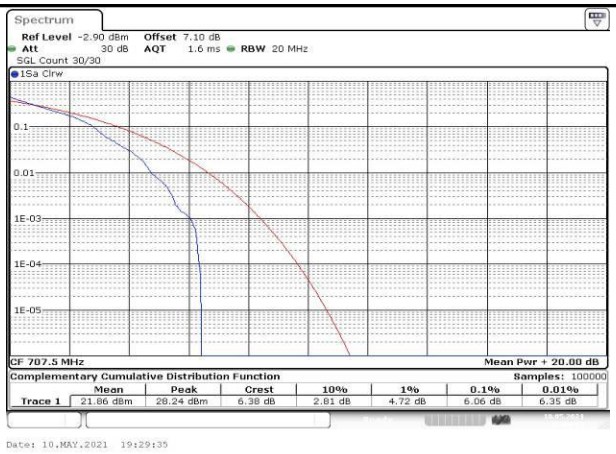


Fig.61

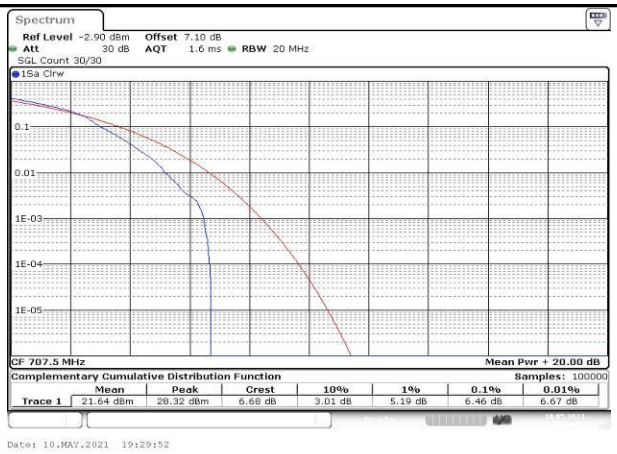


Fig.62

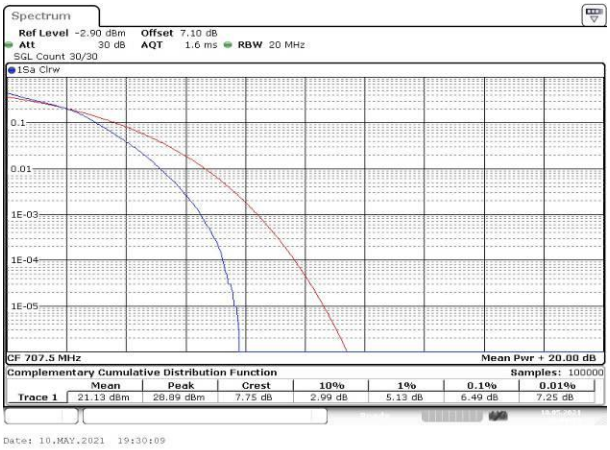


Fig.63

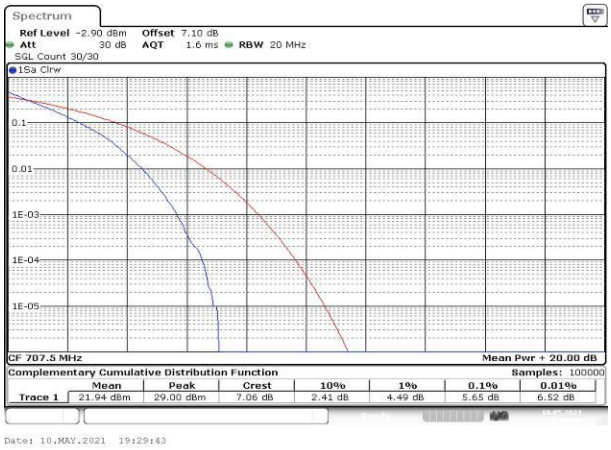
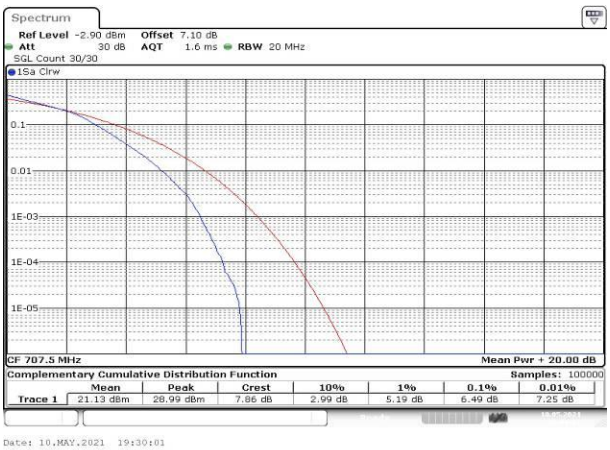


Fig.64



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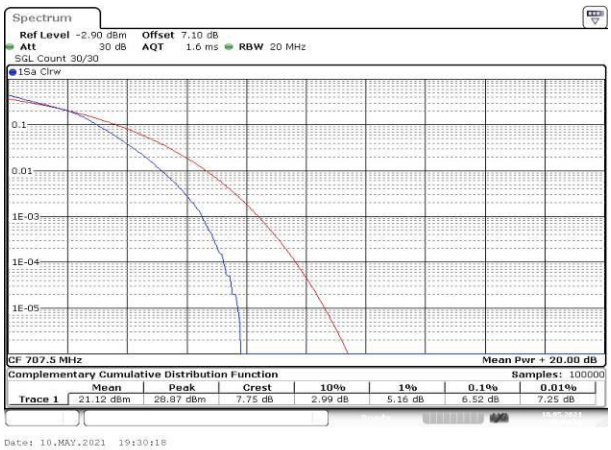

Fig.66

Fig.67

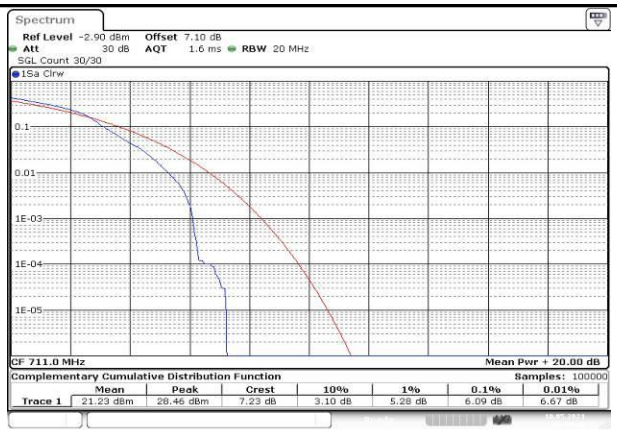

Fig.68

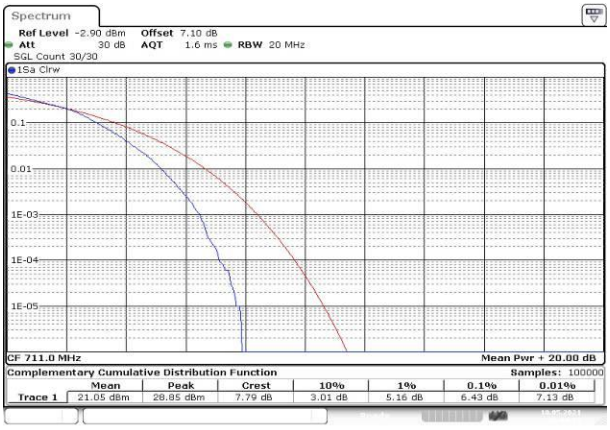

Fig.69

Fig.70

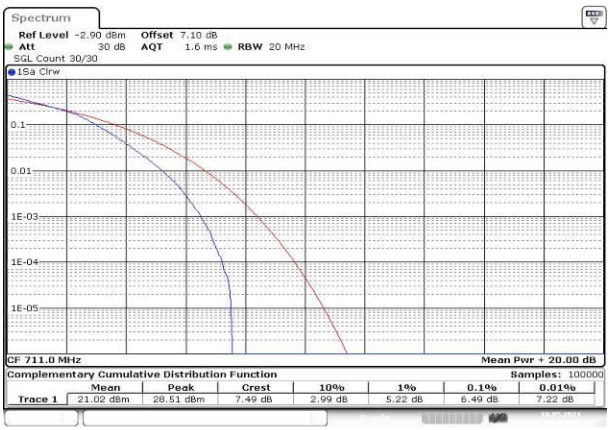

Fig.71

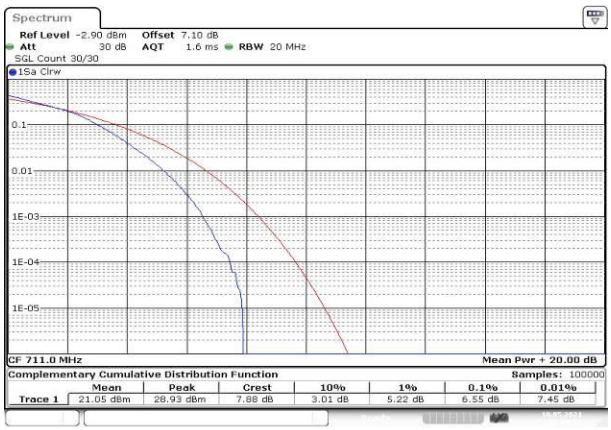

Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
12	704	23060	10	1	0	Fig.1
	707.5	23095		1	0	Fig.2
	711	23130		1	0	Fig.3

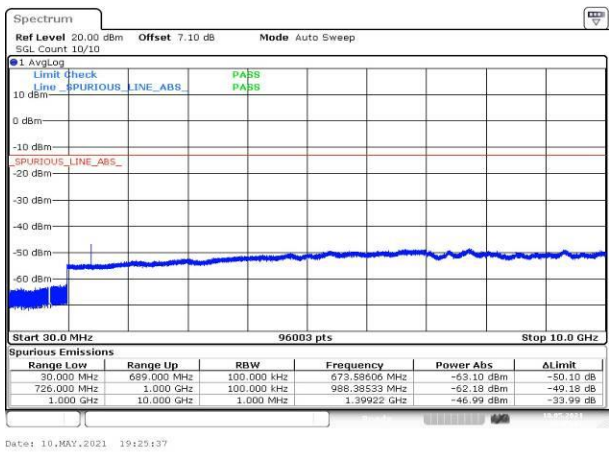

Fig.1

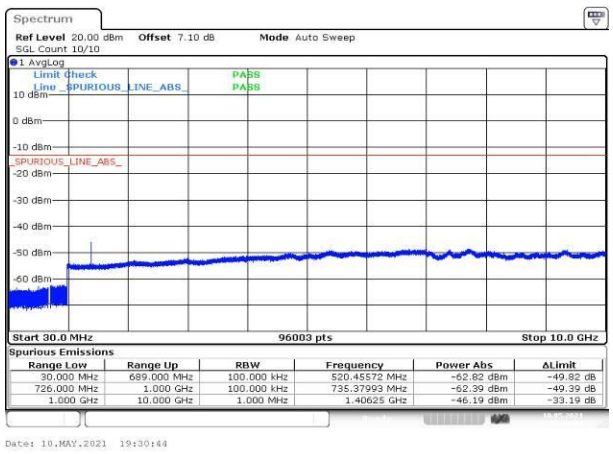

Fig.2

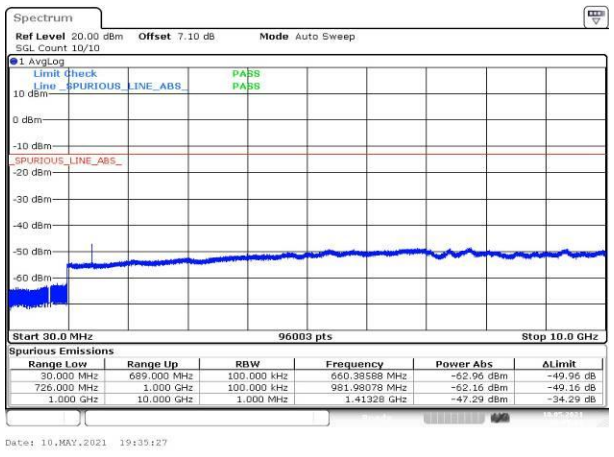

Fig.3

6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
12	699.7	23017	1.4	1	0	Fig.1
				6	0	Fig.2
	715.3	23173		1	5	Fig.3
				6	0	Fig.4
	700.5	23025	3	1	0	Fig.5
				15	0	Fig.6
	714.5	23165		1	14	Fig.7
				15	0	Fig.8
	701.5	23035	5	1	0	Fig.9
				25	0	Fig.10
	713.5	23155		1	24	Fig.11
				25	0	Fig.12
	704	23060	10	1	0	Fig.13
				50	0	Fig.14
	711	23130		1	49	Fig.15
				50	0	Fig.16

Fig.1

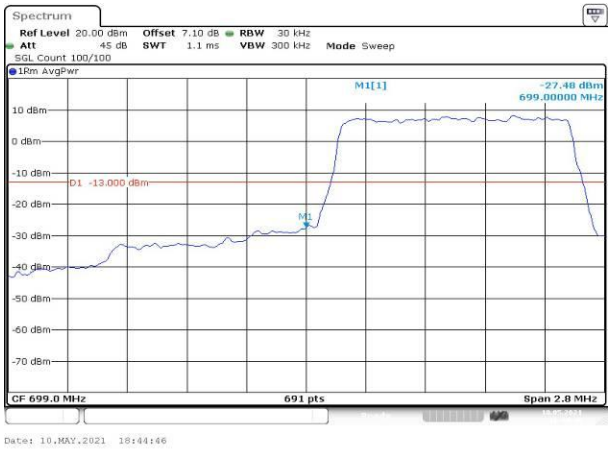

Fig.2

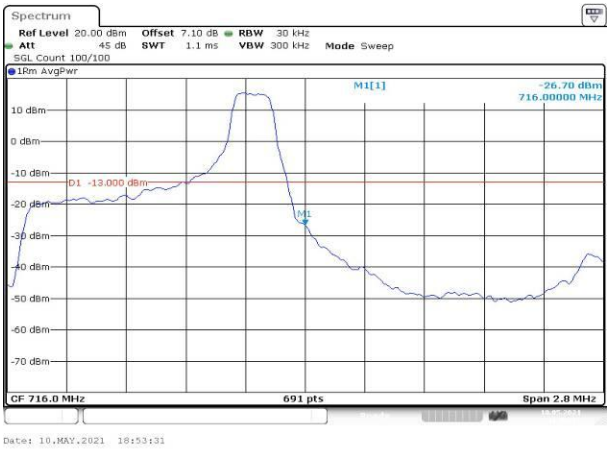

Fig.3

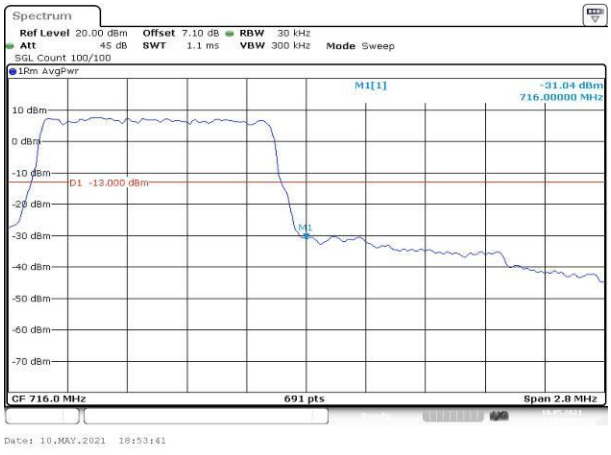

Fig.4

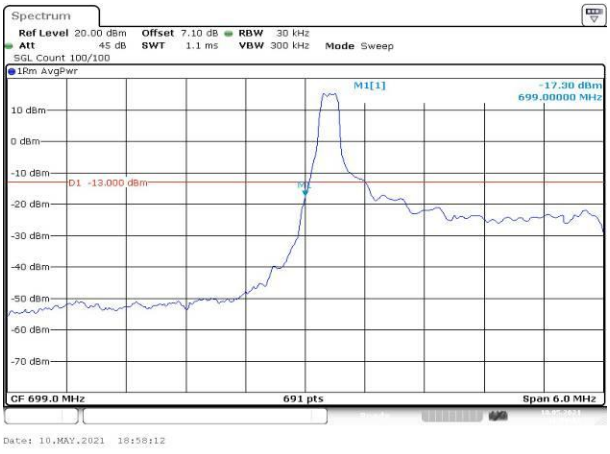

Fig.5

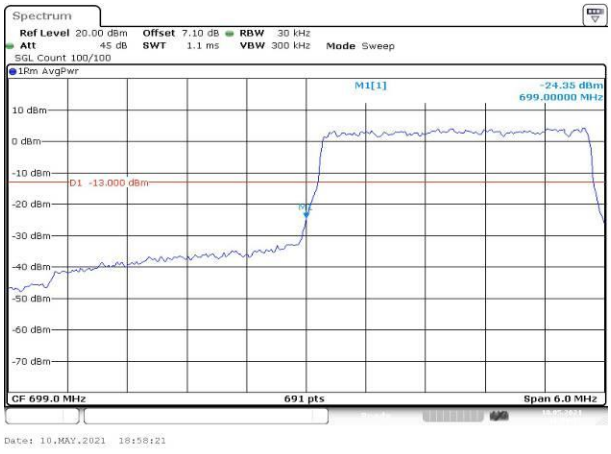

Fig.6

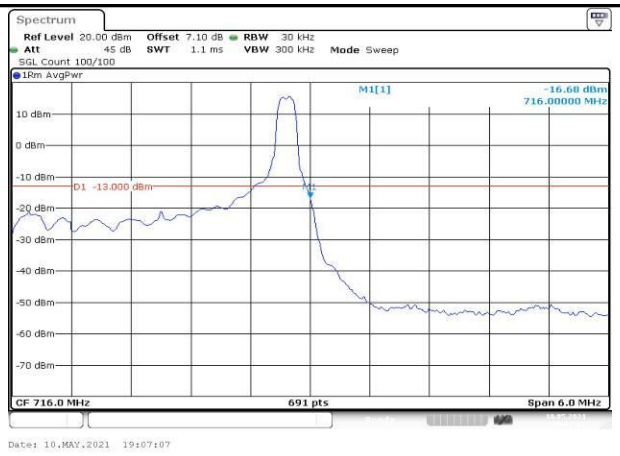

Fig.7

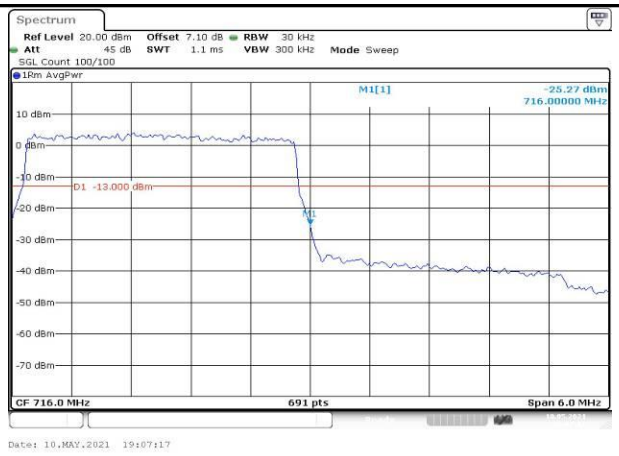

Fig.8

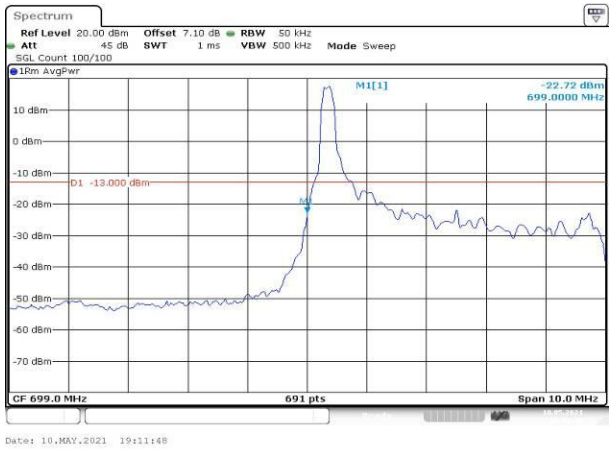

Fig.9

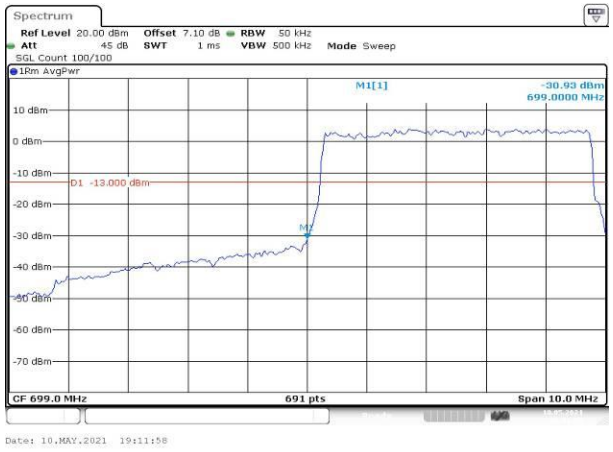

Fig.10

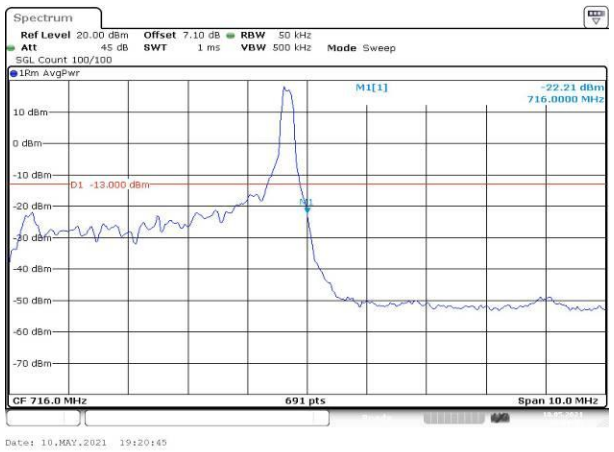

Fig.11

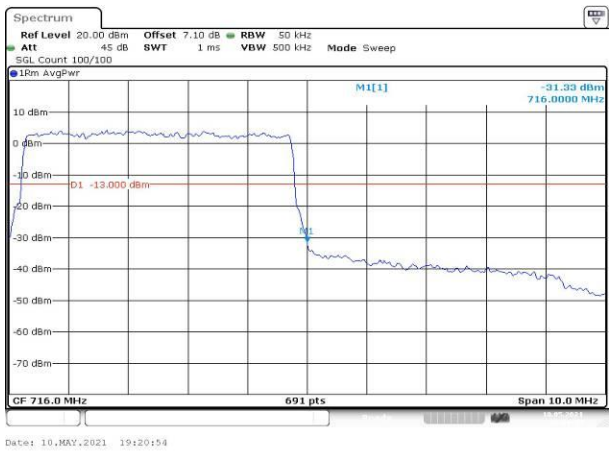

Fig.12

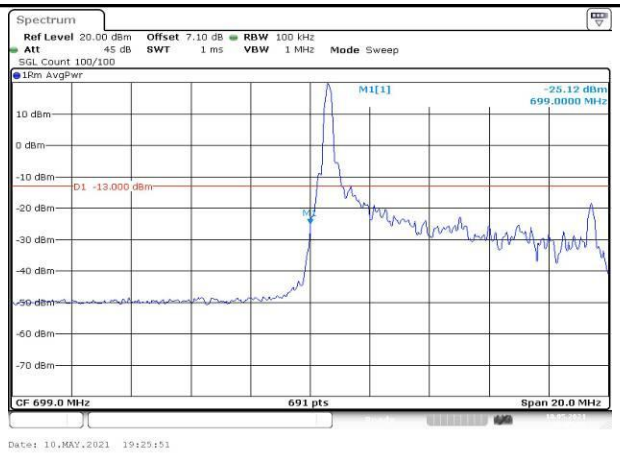

Fig.13

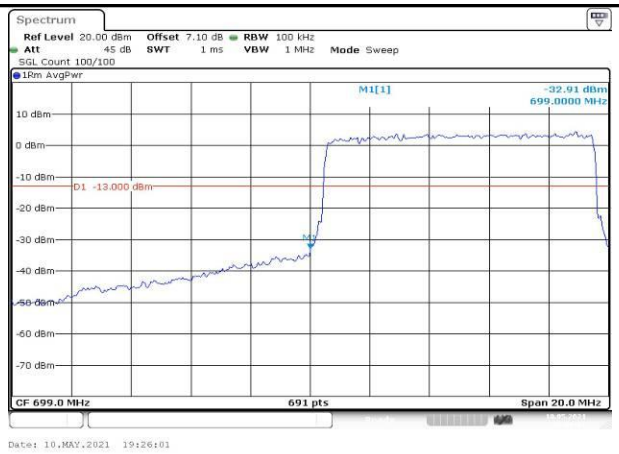

Fig.14

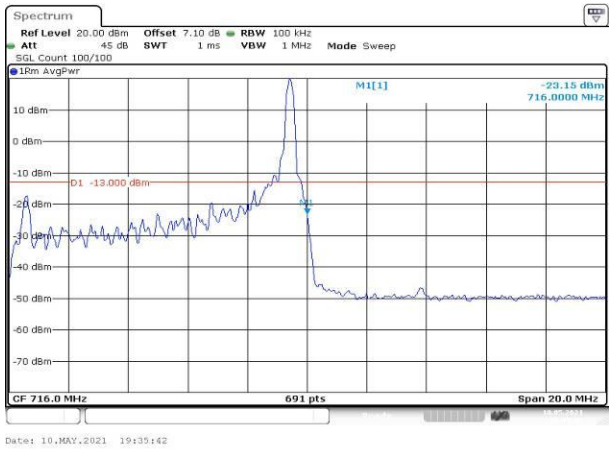

Fig.15

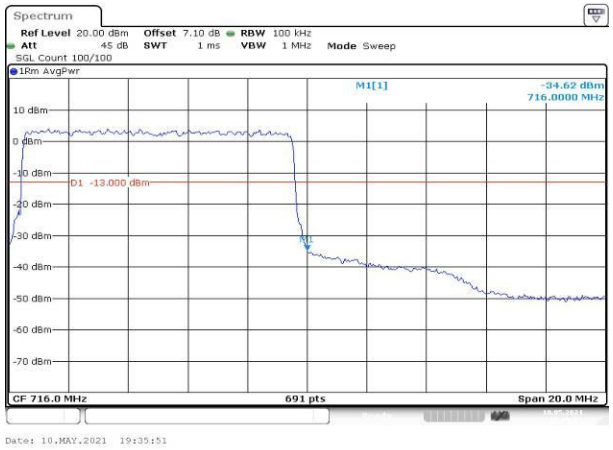

Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band12 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.020	-0.002	-0.008	-0.017	---	---
0	NV	-0.018	-0.004	-0.003	-0.036	---	---
+10	NV	-0.003	-0.016	-0.019	-0.035	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.013	-0.014	-0.023	-0.003	---	---
+40	NV	-0.036	-0.020	-0.054	-0.002	---	---
+50	NV	0.008	-0.006	-0.015	-0.026	---	---
+55	NV	0.005	-0.008	-0.011	-0.020	---	---
+20	LV	-0.054	0.004	-0.020	-0.017	---	---
+20	HV	-0.020	-0.004	-0.017	-0.011	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band12 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.033	-0.047	0.005	-0.016	---	---
0	NV	-0.024	-0.027	-0.036	-0.012	---	---
+10	NV	-0.022	-0.047	-0.043	-0.014	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.018	-0.026	-0.040	-0.001	---	---
+40	NV	-0.026	-0.019	0.000	-0.010	---	---
+50	NV	-0.001	-0.029	-0.018	-0.012	---	---
+55	NV	-0.007	-0.016	-0.012	-0.009	---	---
+20	LV	-0.024	-0.032	-0.017	-0.020	---	---
+20	HV	-0.025	-0.018	-0.026	-0.009	---	---

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	699.7	23017	1.4	1	0	23.10	13.95	0.025
				1	3	23.07	13.92	0.025
				1	5	23.14	13.99	0.025
				3	0	23.22	14.07	0.026
				3	1	23.17	14.02	0.025
				3	3	23.10	13.95	0.025
				6	0	22.64	13.49	0.022
	707.5	23095		1	0	22.96	13.81	0.024
				1	3	23.07	13.92	0.025
				1	5	23.06	13.91	0.025
				3	0	23.19	14.04	0.025
				3	1	23.16	14.01	0.025
				3	3	23.16	14.01	0.025
				6	0	22.65	13.50	0.022
	715.3	23173		1	0	23.03	13.88	0.024
				1	3	23.17	14.02	0.025
				1	5	23.07	13.92	0.025
				3	0	22.98	13.83	0.024
				3	1	23.17	14.02	0.025
				3	3	23.15	14.00	0.025
				6	0	22.51	13.36	0.022
16QAM	699.7	23017		1	0	22.33	13.18	0.021
				1	3	22.32	13.17	0.021
				1	5	22.32	13.17	0.021
				3	0	22.54	13.39	0.022
				3	1	22.43	13.28	0.021
				3	3	22.21	13.06	0.020
				6	0	21.94	12.79	0.019
	707.5	23095		1	0	22.43	13.28	0.021
				1	3	22.36	13.21	0.021
				1	5	22.37	13.22	0.021
				3	0	22.29	13.14	0.021
				3	1	22.27	13.12	0.021
				3	3	22.26	13.11	0.020
				6	0	21.97	12.82	0.019
	715.3	23173		1	0	22.21	13.06	0.020
				1	3	22.34	13.19	0.021
				1	5	22.33	13.18	0.021
				3	0	22.77	13.62	0.023
				3	1	22.81	13.66	0.023
				3	3	22.80	13.65	0.023
				6	0	21.89	12.74	0.019

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	699.7	23017	1.4	1	0	21.96	12.81	0.019
				1	3	22.02	12.87	0.019
				1	5	22.07	12.92	0.020
				3	0	22.06	12.91	0.020
				3	1	22.06	12.91	0.020
				3	3	22.06	12.91	0.020
				6	0	22.05	12.90	0.019
	707.5	23095		1	0	21.84	12.69	0.019
				1	3	21.75	12.60	0.018
				1	5	21.75	12.60	0.018
				3	0	21.64	12.49	0.018
				3	1	21.76	12.61	0.018
				3	3	21.77	12.62	0.018
				6	0	21.76	12.61	0.018
	715.3	23173		1	0	21.85	12.70	0.019
				1	3	21.91	12.76	0.019
				1	5	21.91	12.76	0.019
				3	0	21.90	12.75	0.019
				3	1	21.80	12.65	0.018
				3	3	21.91	12.76	0.019
				6	0	21.90	12.75	0.019

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	700.5	23025	3	1	0	23.06	13.91	0.025
				1	8	23.02	13.87	0.024
				1	14	23.02	13.87	0.024
				8	0	22.70	13.55	0.023
				8	4	22.65	13.50	0.022
				8	7	22.65	13.50	0.022
				15	0	22.64	13.49	0.022
	707.5	23095		1	0	23.19	14.04	0.025
				1	8	23.02	13.87	0.024
				1	14	22.95	13.80	0.024
				8	0	22.49	13.34	0.022
				8	4	22.52	13.37	0.022
				8	7	22.52	13.37	0.022
				15	0	22.63	13.48	0.022
	714.5	23165		1	0	23.06	13.91	0.025
				1	8	23.06	13.91	0.025
				1	14	23.16	14.01	0.025
				8	0	22.49	13.34	0.022
				8	4	22.55	13.40	0.022
				8	7	22.54	13.39	0.022
				15	0	22.44	13.29	0.021
16QAM	700.5	23025		1	0	23.01	13.86	0.024
				1	8	22.90	13.75	0.024
				1	14	23.02	13.87	0.024
				8	0	21.99	12.84	0.019
				8	4	22.06	12.91	0.020
				8	7	22.14	12.99	0.020
				15	0	21.80	12.65	0.018
	707.5	23095		1	0	22.87	13.72	0.024
				1	8	22.80	13.65	0.023
				1	14	23.01	13.86	0.024
				8	0	21.81	12.66	0.018
				8	4	21.75	12.60	0.018
				8	7	21.76	12.61	0.018
				15	0	21.70	12.55	0.018
	714.5	23165		1	0	22.45	13.30	0.021
				1	8	22.42	13.27	0.021
				1	14	22.41	13.26	0.021
				8	0	21.83	12.68	0.019
				8	4	21.90	12.75	0.019
				8	7	21.79	12.64	0.018
				15	0	21.64	12.49	0.018

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	700.5	23025	3	1	0	21.80	12.65	0.018
				1	8	21.97	12.82	0.019
				1	14	21.80	12.65	0.018
				8	0	21.80	12.65	0.018
				8	4	21.91	12.76	0.019
				8	7	21.80	12.65	0.018
				15	0	21.80	12.65	0.018
	707.5	23095		1	0	21.66	12.51	0.018
				1	8	21.71	12.56	0.018
				1	14	21.79	12.64	0.018
				8	0	21.67	12.52	0.018
				8	4	21.67	12.52	0.018
				8	7	21.71	12.56	0.018
				15	0	21.67	12.52	0.018
	714.5	23165		1	0	21.65	12.50	0.018
				1	8	21.65	12.50	0.018
				1	14	21.65	12.50	0.018
				8	0	21.59	12.44	0.018
				8	4	21.63	12.48	0.018
				8	7	21.63	12.48	0.018
				15	0	21.65	12.50	0.018

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	701.5	23035	5	1	0	23.05	13.90	0.025
				1	12	22.97	13.82	0.024
				1	24	22.98	13.83	0.024
				12	0	22.61	13.46	0.022
				12	7	22.52	13.37	0.022
				12	13	22.53	13.38	0.022
				25	0	22.63	13.48	0.022
	707.5	23095		1	0	23.14	13.99	0.025
				1	12	23.09	13.94	0.025
				1	24	23.09	13.94	0.025
				12	0	22.60	13.45	0.022
				12	7	22.62	13.47	0.022
				12	13	22.62	13.47	0.022
				25	0	22.63	13.48	0.022
	713.5	23155		1	0	23.01	13.86	0.024
				1	12	22.95	13.80	0.024
				1	24	22.97	13.82	0.024
				12	0	22.57	13.42	0.022
				12	7	22.49	13.34	0.022
				12	13	22.48	13.33	0.022
				25	0	22.49	13.34	0.022
16QAM	701.5	23035		1	0	21.93	12.78	0.019
				1	12	21.85	12.70	0.019
				1	24	21.85	12.70	0.019
				12	0	21.83	12.68	0.019
				12	7	21.70	12.55	0.018
				12	13	21.71	12.56	0.018
				25	0	21.83	12.68	0.019
	707.5	23095		1	0	22.62	13.47	0.022
				1	12	22.65	13.50	0.022
				1	24	22.68	13.53	0.023
				12	0	21.66	12.51	0.018
				12	7	21.70	12.55	0.018
				12	13	21.70	12.55	0.018
				25	0	21.71	12.56	0.018
	713.5	23155		1	0	22.29	13.14	0.021
				1	12	22.29	13.14	0.021
				1	24	22.28	13.13	0.021
				12	0	21.58	12.43	0.017
				12	7	21.38	12.23	0.017
				12	13	21.38	12.23	0.017
				25	0	21.47	12.32	0.017

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	701.5	23035	5	1	0	21.75	12.60	0.018
				1	12	21.73	12.58	0.018
				1	24	21.80	12.65	0.018
				12	0	21.76	12.61	0.018
				12	7	21.92	12.77	0.019
				12	13	21.91	12.76	0.019
				25	0	21.81	12.66	0.018
	707.5	23095		1	0	21.71	12.56	0.018
				1	12	21.71	12.56	0.018
				1	24	21.71	12.56	0.018
				12	0	21.71	12.56	0.018
				12	7	21.72	12.57	0.018
				12	13	21.72	12.57	0.018
				25	0	21.72	12.57	0.018
	713.5	23155		1	0	21.48	12.33	0.017
				1	12	21.48	12.33	0.017
				1	24	21.48	12.33	0.017
				12	0	21.53	12.38	0.017
				12	7	21.48	12.33	0.017
				12	13	21.48	12.33	0.017
				25	0	21.54	12.39	0.017

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	704	23060	10	1	0	22.94	13.79	0.024
				1	25	22.91	13.76	0.024
				1	49	22.91	13.76	0.024
				25	0	22.55	13.40	0.022
				25	12	22.60	13.45	0.022
				25	25	22.60	13.45	0.022
				50	0	22.49	13.34	0.022
	707.5	23095		1	0	22.97	13.82	0.024
				1	25	23.02	13.87	0.024
				1	49	23.01	13.86	0.024
				25	0	22.62	13.47	0.022
				25	12	22.51	13.36	0.022
				25	25	22.50	13.35	0.022
				50	0	22.57	13.42	0.022
	711	23130		1	0	23.13	13.98	0.025
				1	25	23.08	13.93	0.025
				1	49	23.05	13.90	0.025
				25	0	22.67	13.52	0.022
				25	12	22.51	13.36	0.022
				25	25	22.50	12.35	0.022
				50	0	22.53	12.38	0.022
16QAM	704	23060		1	0	22.16	13.01	0.020
				1	25	22.07	12.92	0.020
				1	49	22.07	12.92	0.020
				25	0	21.66	12.51	0.018
				25	12	21.76	12.61	0.018
				25	25	21.65	12.50	0.018
				50	0	21.71	12.56	0.018
	707.5	23095		1	0	22.45	13.30	0.021
				1	25	22.48	13.33	0.022
				1	49	22.47	13.32	0.021
				25	0	21.72	12.57	0.018
				25	12	21.75	12.60	0.018
				25	25	21.75	12.60	0.018
				50	0	21.77	12.62	0.018
	711	23130		1	0	22.43	13.28	0.021
				1	25	22.28	13.13	0.021
				1	49	22.25	13.10	0.020
				25	0	21.85	12.70	0.019
				25	12	21.76	12.61	0.018
				25	25	21.75	12.60	0.018
				50	0	21.76	12.61	0.018

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	704	23060	10	1	0	21.59	12.44	0.018
				1	25	21.71	12.56	0.018
				1	49	21.71	12.56	0.018
				25	0	21.67	12.52	0.018
				25	12	21.63	12.48	0.018
				25	25	21.72	12.57	0.018
				50	0	21.71	12.56	0.018
	707.5	23095		1	0	21.81	12.66	0.018
				1	25	21.89	12.74	0.019
				1	49	21.69	12.54	0.018
				25	0	21.70	12.55	0.018
				25	12	21.69	12.54	0.018
				25	25	21.69	12.54	0.018
				50	0	21.82	12.67	0.018
	711	23130		1	0	21.74	12.59	0.018
				1	25	21.74	12.59	0.018
				1	49	21.75	12.60	0.018
				25	0	21.75	12.60	0.018
				25	12	21.76	12.61	0.018
				25	25	21.76	12.61	0.018
				50	0	21.76	12.61	0.018