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Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053 Report No.: SZEM180500417902

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TEST REPORT

Application No.: SZEM1805004179CR

Applicant: SZ DJI TECHNOLOGY CO., LTD

Address of Applicant: 14th floor, West Wing, Skyworth Semiconductor Design Building NO.18

Gaoxin South 4th Ave, Nanshan, Shenzhen, China

Manufacturer: SZ DJI TECHNOLOGY CO., LTD

Address of Manufacturer: 4th floor, West Wing, Skyworth Semiconductor Design Building NO.18

Gaoxin South 4th Ave, Nanshan District, Shenzhen, China

Factory: SZ DJI TECHNOLOGY CO., LTD

Address of Factory: 4th floor, West Wing, Skyworth Semiconductor Design Building NO.18

Gaoxin South 4th Ave, Nanshan District, Shenzhen, China

Equipment Under Test (EUT):

EUT Name: Mavic 2 Pro

Model No.: L1P Trade mark: DJI

FCC ID: SS3-L1P1805 **IC:** 11805A-L1P1805

Standard(s): 47 CFR Part 15, Subpart C 15.247

RSS-Gen Issue 5, April 2018 RSS-247 Issue 2, February 2017

Date of Receipt: 2018-05-18

Date of Test: 2018-05-25 to 2018-05-30

Date of Issue: 2018-06-15

Test Result: Pass*

^{*} In the configuration tested, the EUT complied with the standards specified above.



EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

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Report No.: SZEM180500417902

Page: 2 of 202

	Revision Record								
Version	Chapter	Date	Modifier	Remark					
01		2018-06-15		Original					

Authorized for issue by:		
	Hank Yan	
	Hank Yan /Project Engineer	
	EvicFu	
	Eric Fu /Reviewer	



Report No.: SZEM180500417902

Page: 3 of 202

2 Test Summary

Radio Spectrum Technical Requirement							
Item Standard Method Requirement F							
Antenna Requirement	47 CFR Part 15, Subpart C 15.247;	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c);	Pass			
·	RSS-Gen Issue 5		RSS-Gen Section 6.8				

Radio Spectrum Matter Part								
Item	Standard	Method	Requirement	Result				
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2); RSS-247 Section 5.2(a)	Pass				
99% Bandwidth	RSS-247 Issue 2, February 2017	ANSI C63.10 Section 6.9.3	RSS-Gen Section 6.7	Pass				
Conducted Output Power (Average)	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.9.2						
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e); RSS-247 Clause 5.2(b)	Pass				
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d); RSS-247 Section 5.5	Pass				
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d); RSS-247 Section 5.5	Pass				
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209; Section 3.3 & RSS-Gen Section 8.9	Pass				
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.205 & 15.209; RSS- 247 Section 3.3 & RSS- Gen Section 8.9	Pass				



Report No.: SZEM180500417902

Page: 4 of 202

3 Contents

			Page
1	COVER PAG	GE	1
2	TEST SUMM	MARY	3
3	CONTENTS)	4
4	GENERAL II	INFORMATION	6
	4.1 DETAILS	s of E.U.T	6
	4.2 DESCRI	IPTION OF SUPPORT UNITS	9
		REMENT UNCERTAINTY	
		OCATION	
		ACILITY	
		TON FROM STANDARDS	
	4.7 ABNORM	MALITIES FROM STANDARD CONDITIONS	10
5	EQUIPMENT	T LIST	11
6	RADIO SPE	CTRUM TECHNICAL REQUIREMENT	14
_		NA REQUIREMENT	
		t Requirement:	
		oclusion	
7	RADIO SPE	CTRUM MATTER TEST RESULTS	15
	7.1 99% BA	ANDWIDTH	15
		.T. Operation	
		t Setup Diagram	
		asurement Procedure and Data	
		IM 6DB BANDWIDTH	
	7.2.1 E.U.	.T. Operation	16
		t Setup Diagram	16
		asurement Procedure and Data	
		ICTED OUTPUT POWER (AVERAGE)	
		.T. Operation	
		t Setup Diagram	
		asurement Procedure and Data	
		R SPECTRUM DENSITY	
		T. Operation	
		t Setup Diagramasurement Procedure and Data	
		ICTED BAND EDGES MEASUREMENT	
		.T. Operation	
		t Setup Diagram	
		asurement Procedure and Data	
		ICTED SPURIOUS EMISSIONS	
		.T. Operation	
		t Setup Diagram	
		asurement Procedure and Data	
		ED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS	
		.T. Operation	
	7.7.2 Test	t Setup Diagram	21

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Report No.: SZEM180500417902

Page: 5 of 202

	7.7.3	Measurement Procedure and Data	22
		RADIATED SPURIOUS EMISSIONS	
	7.8.1	E.U.T. Operation	
		Test Setup Diagram	
		Measurement Procedure and Data	
8	APPEI	NDIX	168
	8.1 A	APPENDIX 15.247	168



Report No.: SZEM180500417902

Page: 6 of 202

4 General Information

4.1 Details of E.U.T.

Power supply:	DC 15.4V, 3850mAh Li-Po Battery
Cable:	USB Type-C Cable: 100cm
Operation Frequency:	1.4MHz BW: 2403.5MHz ~ 2477.5MHz
	10MHz BW: 2405.5MHz to 2477.5MHz
	20MHz BW: 2410.5MHz to 2472.5MHz
Modulation Type:	1.4MHz BW: OFDM
	10MHz BW: OFDM
	20MHz BW: OFDM
Number of Channels:	1.4MHz BW: 38
	10MHz BW: 73
	20MHz BW:63
Channel Spacing:	1.4MHz BW: 2MHz
	10MHz BW: 1MHz
	20MHz BW: 1MHz
Antenna Type:	PCB Antenna
Antenna Gain:	3.5dBi

Channel Lis	Channel List and nominal power for 1.4MHz BW								
CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	
1 abc	2403.5	25.5	14	2429.5	25.5	27	2455.5	25.5	
2	2405.5	25.5	15	2431.5	25.5	28	2457.5	25.5	
3	2407.5	25.5	16	2433.5	25.5	29	2459.5	25.5	
4	2409.5	25.5	17	2435.5	25.5	30	2461.5	25.5	
5	2411.5	25.5	18	2437.5	25.5	31	2463.5	25.5	
6	2413.5	25.5	19	2439.5	25.5	32	2465.5	25.5	
7	2415.5	25.5	20 abc	2441.5	25.5	33	2467.5	25.5	
8	2417.5	25.5	21	2443.5	25.5	34	2469.5	25.5	
9	2419.5	25.5	22	2445.5	25.5	35	2471.5	25.5	
10	2421.5	25.5	23	2447.5	25.5	36	2473.5	25.5	
11	2423.5	25.5	24	2449.5	25.5	37	2475.5	25.5	
12	2425.5	25.5	25	2451.5	25.5	38 abc	2477.5	25.5	
13	2427.5	25.5	26	2453.5	25.5				

Note a: Channels chosen for RF conducted test.

Note b: Channels chosen for Radiated spurious emission

Note c: Channels chosen for Radiated Emissions which fall in the restricted bands test



Report No.: SZEM180500417902

Page: 7 of 202

CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)
1 abcd	2405.5	14.5	26	2430.5	22.5	51 ^{b c d}	2455.5	22.5
2	2406.5	15.5	27	2431.5	22.5	52	2456.5	21.5
3	2407.5	16.5	28	2432.5	22.5	53	2457.5	21.5
4 b	2408.5	17.5	29	2433.5	22.5	54	2458.5	20.5
5 ^{c d}	2409.5	18.5	30	2434.5	22.5	55 b c d	2459.5	20.5
6	2410.5	18.5	31	2435.5	22.5	56	2460.5	19.5
7	2411.5	19.5	32	2436.5	22.5	57	2461.5	19.5
8	2412.5	19.5	33	2437.5	22.5	58	2462.5	18.5
9	2413.5	20.5	34	2438.5	22.5	59 b	2463.5	18.5
10	2414.5	20.5	35	2439.5	22.5	60 b	2464.5	17.5
11 b	2415.5	21.5	36	2440.5	22.5	61	2465.5	17.5
12	2416.5	21.5	37 a c	2441.5	22.5	62	2466.5	16.5
13 bcd	2417.5	22.5	38	2442.5	22.5	63 b c d	2467.5	16.5
14	2418.5	22.5	39	2443.5	22.5	64	2468.5	15.5
15	2419.5	22.5	40	2444.5	22.5	65 ^{b c d}	2469.5	13.5
16	2420.5	22.5	41	2445.5	22.5	66	2470.5	11.5
17	2421.5	22.5	42	2446.5	22.5	67 ^{b c d}	2471.5	9.5
18	2422.5	22.5	43	2447.5	22.5	68 b	2472.5	7.5
19	2423.5	22.5	44	2448.5	22.5	69	2473.5	6.5
20	2424.5	22.5	45	2449.5	22.5	70	2474.5	5.5
21	2425.5	22.5	46	2450.5	22.5	71	2475.5	5.5
22	2426.5	22.5	47	2451.5	22.5	72 b c d	2476.5	4.5
23	2427.5	22.5	48	2452.5	22.5	73 abcd	2477.5	-11.5
24	2428.5	22.5	49	2453.5	22.5			
25	2429.5	22.5	50	2454.5	22.5	1		

Note a: Channels chosen for RF conducted test.

Note b: Additional channel for maximum output power test. Note c: Channels chosen for Radiated spurious emission

Note d: Channels chosen for Radiated Emissions which fall in the restricted bands test



Report No.: SZEM180500417902

Page: 8 of 202

Channel Lis	Channel List and nominal power for 20MHz BW								
CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	
1 abcd	2410.5	8.5	22	2431.5	20.5	43	2452.5	16.5	
2	2411.5	9.5	23	2432.5	21.5	44	2453.5	16.5	
3	2412.5	10.5	24	2433.5	21.5	45	2454.5	15.5	
4	2413.5	11.5	25 b c d	2434.5	22.5	46	2455.5	15.5	
5 ^b	2414.5	11.5	26	2435.5	22.5	47	2456.5	15.5	
6 ^{c d}	2415.5	12.5	27	2436.5	22.5	48	2457.5	14.5	
7	2416.5	13.5	28	2437.5	22.5	49 ^{b c d}	2458.5	14.5	
8	2417.5	14.5	29	2438.5	22.5	50 b	2459.5	13.5	
9	2418.5	15.5	30	2439.5	22.5	51	2460.5	13.5	
10 ^b	2419.5	15.5	31	2440.5	22.5	52	2461.5	12.5	
11 b c d	2420.5	16.5	32 abcd	2441.5	22.5	53	2462.5	12.5	
12	2421.5	16.5	33 b	2442.5	21.5	54	2463.5	11.5	
13	2422.5	16.5	34	2443.5	21.5	55 ^{b c d}	2464.5	10.5	
14	2423.5	17.5	35	2444.5	20.5	56 b	2465.5	9.5	
15	2424.5	17.5	36	2445.5	20.5	57	2466.5	9.5	
16	2425.5	18.5	37	2446.5	19.5	58	2467.5	9.5	
17	2426.5	18.5	38	2447.5	19.5	59	2468.5	8.5	
18	2427.5	18.5	39 b c d	2448.5	18.5	60	2469.5	8.5	
19	2428.5	19.5	40	2449.5	18.5	61	2470.5	7.5	
20	2429.5	19.5	41 b	2450.5	17.5	62 b c d	2471.5	6.5	
21 ^{b c d}	2430.5	20.5	42	2451.5	17.5	63 a b c d	2472.5	-2.5	

Note a: Channels chosen for RF conducted test.

Note b: Additional channel for maximum output power test.

Note c: Channels chosen for Radiated spurious emission

Note d: Channels chosen for Radiated Emissions which fall in the restricted bands test



Report No.: SZEM180500417902

Page: 9 of 202

4.2 Description of Support Units

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	± 7.25 x 10 ⁻⁸
2	Duty cycle	± 0.37%
3	Occupied Bandwidth	± 3%
4	RF conducted power	± 0.75dB
5	RF power density	± 2.84dB
6	Conducted Spurious emissions	± 0.75dB
7	DE Dadiated never	± 4.5dB (below 1GHz)
/	RF Radiated power	± 4.8dB (above 1GHz)
8	Redicted Courieus emission test	± 4.5dB (Below 1GHz)
8	Radiated Spurious emission test	± 4.8dB (Above 1GHz)
9	Temperature test	± 1 ℃
10	Humidity test	± 3%
11	Supply voltages	± 1.5%
12	Time	± 3%



Report No.: SZEM180500417902

Page: 10 of 202

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

· CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC

Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

VCCI

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC -Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



Report No.: SZEM180500417902

Page: 11 of 202

5 Equipment List

Minimum 6dB Bandwidth									
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date				
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26				
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26				
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A				
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12				
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A				
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26				
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26				

Conducted Output Power (Average)								
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date			
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26			
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26			
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A			
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12			
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A			
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26			
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26			

Power Spectrum Density								
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date			
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26			
Spectrum Analyzer	Rohde & Schwarz	le & Schwarz FSP SEM004-06 2017-09-27		2017-09-27	2018-09-26			
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A			
Coaxial Cable	SGS	N/A SEM031-02		2017-07-13	2018-07-12			
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A			
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26			
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26			

Conducted Band Edges Measurement								
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date			
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26			
Spectrum Analyzer	Rohde & Schwarz			2018-09-26				
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A			
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12			
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A			
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26			

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Report No.: SZEM180500417902

Page: 12 of 202

Power Meter R	ohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26	ĺ
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Conducted Spurious Emissions								
Equipment	Manufacturer	Model No	Inventory No	No Cal Date Cal Due Date				
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26			
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26			
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A			
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12			
Attenuator	Weinschel Associates	WA41 SEM021-09 N/A		N/A				
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26			
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26			

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018-03-13	2021-03-12
Measurement Software	AUDIX	e3 V8.2014-6- 27	SEM001-02 2018-03-13 2021 6- N/A N/A N/A N SEM026-01 2017-07-13 2018 SEM004-08 2018-04-02 2019 SEM003-01 2017-06-27 2020 SEM003-07 2018-04-13 2021 0 SEM003-15 2017-10-17 2020 SEM005-02 2017-09-27 2018 8- SEM005-05 2017-09-27 2018 2 SEM005-08 2018-04-02 2019 SEM005-08 2018-04-02 2019 SEM0011-02 2017-09-27 2018 SEM003-08 2017-08-22 2020	N/A	
Coaxial Cable	SGS	N/A	SEM026-01	2017-07-13	2018-07-12
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
BiConiLog Antenna (26- 3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017-06-27	2020-06-26
Horn Antenna (1- 18GHz)			2018-04-13	2021-04-12	
Horn Antenna(15GHz- 40GHz)			SEM003-15	2017-10-17	2020-10-16
Pre-amplifier (0.1- 1300MHz)	HP	8447D	SEM005-02	2017-09-27	2018-09-26
Low Noise Amplifier(100MHz- 18GHz)	Black Diamond Series	BDLNA-0118- 352810	SEM005-05	2017-09-27	2018-09-27
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2018-04-02	2019-04-01
Pre-amplifier(26GHz- 40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018-04-02	2019-04-01
DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Active Loop Antenna	ETS-Lindgren	6502			2020-08-21
Band filter	N/A	N/A	SEM023-01	N/A	N/A



Report No.: SZEM180500417902

Page: 13 of 202

General used equipment	t				
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	ture Manufacturer Shanghai Meteorological Industry Factory Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Meteorological	ZJ1-2B	SEM002-04	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2017-09-29	2018-09-28
Barometer	Meteorological	DYM3	SEM002-01	2018-04-08	2019-04-07



Report No.: SZEM180500417902

Page: 14 of 202

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(c); RSS-Gen Section 6.8

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna (Refer to EUT photos):

The antenna is integrated on the main PCB and no consideration of replacement. The best-case gain of the antenna is 3.5dBi. The product has two antennas, but only one antenna is used to transmit signal at any time. Pre-test was used to find out the worst case, and only the data of worst case is recorded in the report.



Report No.: SZEM180500417902

Page: 15 of 202

7 Radio Spectrum Matter Test Results

7.1 99% Bandwidth

Test Requirement RSS-Gen Section 6.7
Test Method: ANSI C63.10 Section 6.9.3

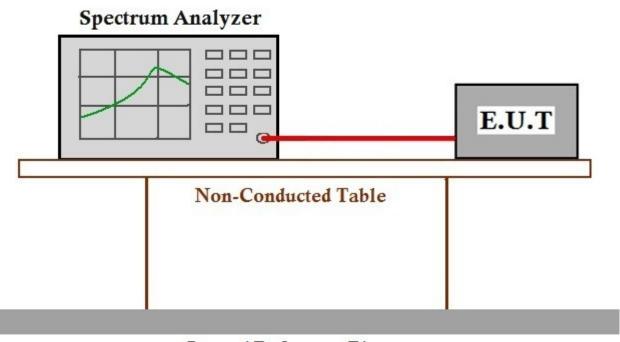
7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.1 °C Humidity: 58.1 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode Keep the EUT in continuously transmitting mode with modulation

7.1.2 Test Setup Diagram



Ground Reference Plane

7.1.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247



Report No.: SZEM180500417902

Page: 16 of 202

7.2 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2); RSS-247 Section 5.2(a)

Test Method: ANSI C63.10 (2013) Section 11.8.1

Limit: ≥500 kHz

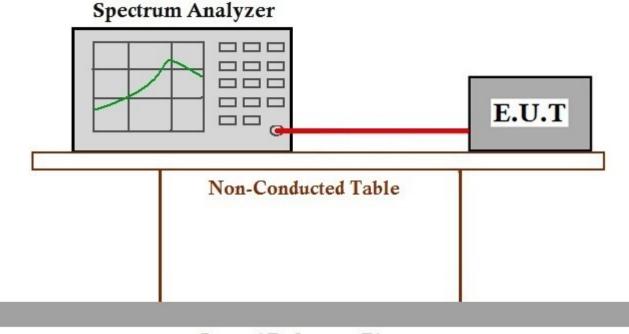
7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C Humidity: 51.2 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.2.2 Test Setup Diagram



Ground Reference Plane

7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247



Report No.: SZEM180500417902

Page: 17 of 202

7.3 Conducted Output Power (Average)

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3); RSS-247 Section 5.4(d)

Test Method: ANSI C63.10 (2013) Section 11.9.2

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
	1 for ≥50 hopping channels
902-928	0.25 for 25≤ hopping channels <50
	1 for digital modulation
	1 for ≥75 non-overlapping hopping channels
2400-2483.5	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

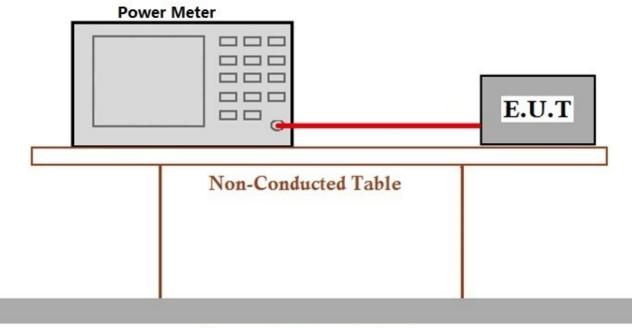
7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C Humidity: 50.9 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.3.2 Test Setup Diagram



Ground Reference Plane

7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

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Report No.: SZEM180500417902

Page: 18 of 202

7.4 Power Spectrum Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e); RSS-247 Clause 5.2(b)

Test Method: ANSI C63.10 (2013) Section 11.10.2

Limit: ≤8dBm in any 3 kHz band during any time interval of continuous

transmission

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C Humidity: 51.2 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode Keep the EUT in continuously transmitting mode with modulation

7.4.2 Test Setup Diagram

Spectrum Analyzer E.U.T Non-Conducted Table

Ground Reference Plane

7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247



Report No.: SZEM180500417902

Page: 19 of 202

7.5 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d); RSS-247 Section 5.5

Test Method: ANSI C63.10 (2013) Section 11.13.3.2

Limit: In any 100 kHz bandwidth outside the frequency band in which the spread

spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in

§15.205(a), must also comply with the radiated emission limits specified in

§15.209(a) (see §15.205(c)

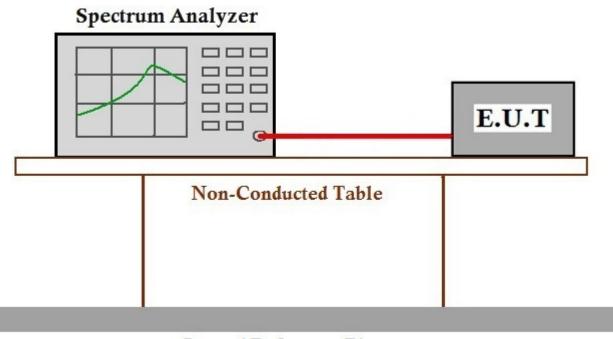
7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C Humidity: 51.4 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.5.2 Test Setup Diagram



Ground Reference Plane

7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

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Report No.: SZEM180500417902

Page: 20 of 202

7.6 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d); RSS-247 Section 5.5

Test Method: ANSI C63.10 (2013) Section 11.11

Limit: In any 100 kHz bandwidth outside the frequency band in which the spread

spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in

§15.205(a), must also comply with the radiated emission limits specified in

§15.209(a) (see §15.205(c)

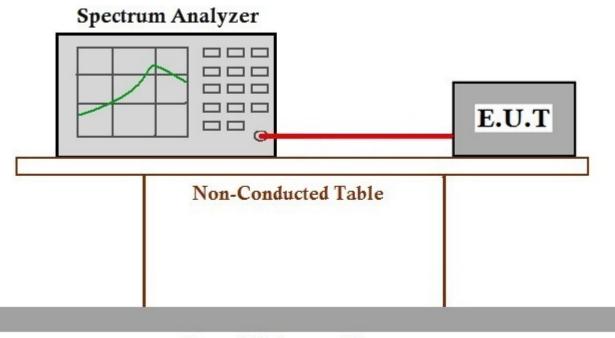
7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C Humidity: 51.4 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.6.2 Test Setup Diagram



Ground Reference Plane

7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

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Report No.: SZEM180500417902

Page: 21 of 202

7.7 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209; RSS-247 Section 3.3 & RSS-

Gen Section 8.9

Test Method: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

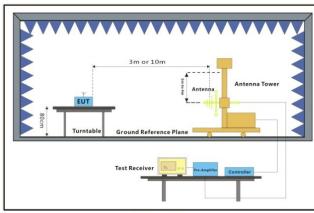
7.7.1 E.U.T. Operation

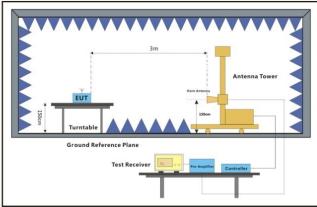
Operating Environment:

Temperature: 26.3 °C Humidity: 53.7 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.7.2 Test Setup Diagram





30MHz-1GHz Above 1GHz

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Report No.: SZEM180500417902

Page: 22 of 202

7.7.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

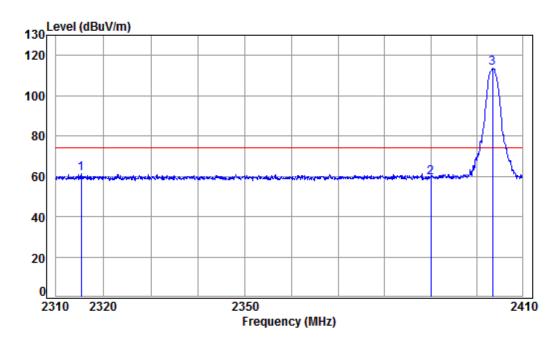
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



Report No.: SZEM180500417902

Page: 23 of 202

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:Low; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

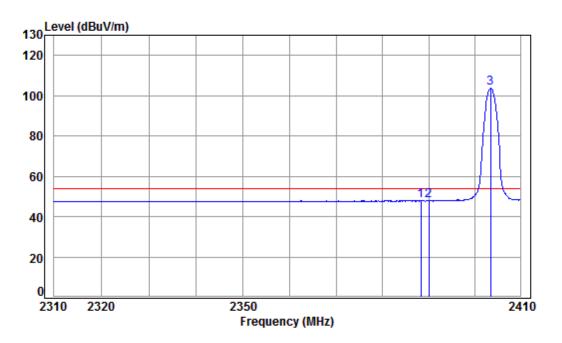
	_										
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
											_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	231	5.292	3.27	28.39	0.00	29.58	61.24	74.00	-12.76	peak	
2	239	0.000	3.33	28.52	0.00	27.26	59.11	74.00	-14.89	peak	
3	pp 240	3.500	3.34	28.54	0.00	81.67	113.55	74.00	39.55	peak	



Report No.: SZEM180500417902

Page: 24 of 202

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:Low; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

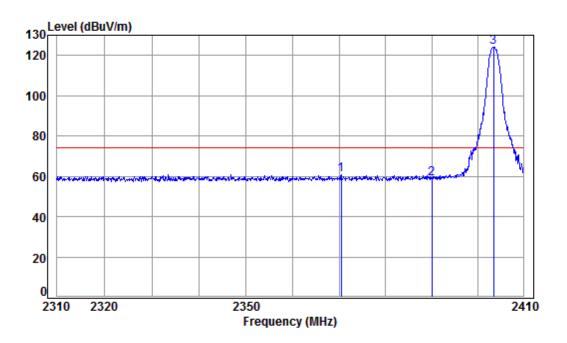
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2388.343	3.33	28.52	0.00	16.06	47.91	54.00	-6.09	Average
2390.000	3.33	28.52	0.00	15.95	47.80	54.00	-6.20	Average
2403.500	3.34	28.54	0.00	71.72	103.60	54.00	49.60	Average
	MHz 2388.343 2390.000	Freq Loss MHz dB 2388.343 3.33 2390.000 3.33	Freq Loss Factor MHz dB dB/m 2388.343 3.33 28.52 2390.000 3.33 28.52	Freq Loss Factor Factor MHz dB dB/m dB 2388.343 3.33 28.52 0.00 2390.000 3.33 28.52 0.00	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 2388.343 3.33 28.52 0.00 16.06 2390.000 3.33 28.52 0.00 15.95	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 2388.343 3.33 28.52 0.00 16.06 47.91 2390.000 3.33 28.52 0.00 15.95 47.80	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 2388.343 3.33 28.52 0.00 16.06 47.91 54.00 2390.000 3.33 28.52 0.00 15.95 47.80 54.00	Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dB 2388.343 3.33 28.52 0.00 16.06 47.91 54.00 -6.09 2390.000 3.33 28.52 0.00 15.95 47.80 54.00 -6.20 2403.500 3.34 28.54 0.00 71.72 103.60 54.00 49.60



Report No.: SZEM180500417902

Page: 25 of 202

Mode:a; Polarization: Vertical; Bandwidth: 1.4MHz; Channel: Low; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

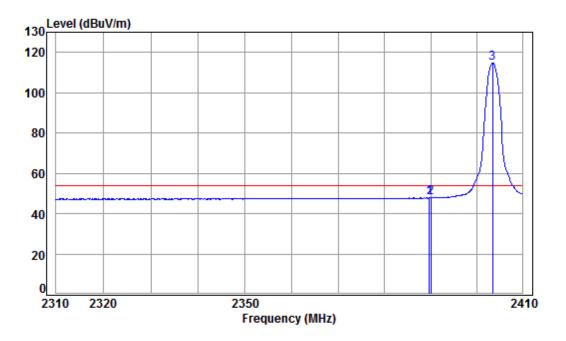
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
										_
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2370.395	3.31	28.49	0.00	29.16	60.96	74.00	-13.04	peak	
2	2390.000	3.33	28.52	0.00	26.96	58.81	74.00	-15.19	peak	
3	pp 2403.500	3.34	28.54	0.00	92.39	124.27	74.00	50.27	peak	



Report No.: SZEM180500417902

Page: 26 of 202

Mode:a; Polarization: Vertical; Bandwidth: 1.4MHz; Channel: Low; Value: Average



Condition: 3m VERTICAL Job No : 04179CR

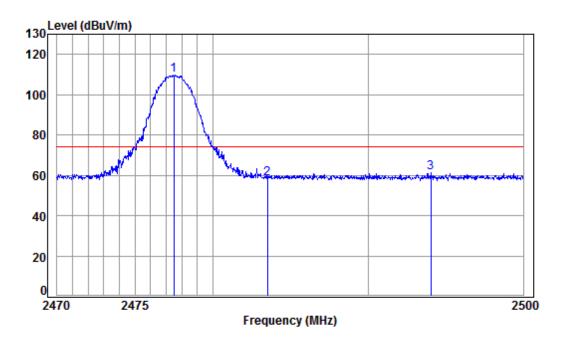
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2389.761	3.33	28.52	0.00	15.96	47.81	54.00	-6.19	Average	
2	2390.000	3.33	28.52	0.00	15.88	47.73	54.00	-6.27	Average	
3	pp 2403.500	3.34	28.54	0.00	82.77	114.65	54.00	60.65	Average	



Report No.: SZEM180500417902

Page: 27 of 202

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:High; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

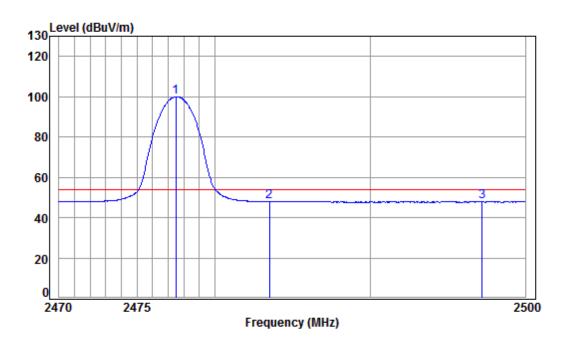
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2477.500	3.40	28.66	0.00	77.86	109.92	74.00	35.92	peak
2		2483.500	3.41	28.67	0.00	26.31	58.39	74.00	-15.61	peak
3		2494.031	3.42	28.69	0.00	29.08	61.19	74.00	-12.81	peak
_		2454.051	3.42	20.05	0.00	25.00	01.15	74.00	-12.01	hear



Report No.: SZEM180500417902

Page: 28 of 202

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:High; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

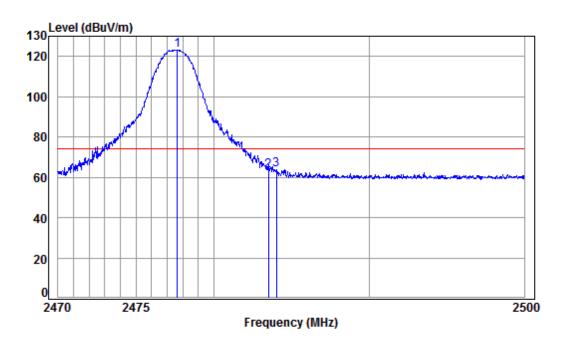
_									
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
pp	2477.500	3.40	28.66	0.00	67.84	99.90	54.00	45.90	Average
	2483.500	3.41	28.67	0.00	15.85	47.93	54.00	-6.07	Average
	2497.195	3.42	28.70	0.00	15.82	47.94	54.00	-6.06	Average
		MHz pp 2477.500 2483.500	Freq Loss MHz dB pp 2477.500 3.40 2483.500 3.41	Freq Loss Factor MHz dB dB/m pp 2477.500 3.40 28.66 2483.500 3.41 28.67	Freq Loss Factor Factor MHz dB dB/m dB pp 2477.500 3.40 28.66 0.00 2483.500 3.41 28.67 0.00	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV pp 2477.500 3.40 28.66 0.00 67.84 2483.500 3.41 28.67 0.00 15.85	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m pp 2477.500 3.40 28.66 0.00 67.84 99.90 2483.500 3.41 28.67 0.00 15.85 47.93	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m pp 2477.500 3.40 28.66 0.00 67.84 99.90 54.00 2483.500 3.41 28.67 0.00 15.85 47.93 54.00	Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dB pp 2477.500 3.40 28.66 0.00 67.84 99.90 54.00 45.90 2483.500 3.41 28.67 0.00 15.85 47.93 54.00 -6.07 2497.195 3.42 28.70 0.00 15.82 47.94 54.00 -6.06



Report No.: SZEM180500417902

Page: 29 of 202

Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:High; Value:Peak



Condition: 3m VERTICAL Job No : 04179CR

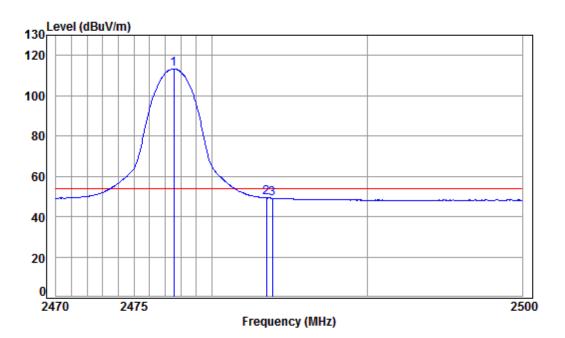
	-										
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	_										_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp 2	477.646	3.40	28.66	0.00	91.19	123.25	74.00	49.25	peak	
2	2	483.500	3.41	28.67	0.00	30.95	63.03	74.00	-10.97	peak	
3	2	483.995	3.41	28.67	0.00	31.74	63.82	74.00	-10.18	peak	
										•	



Report No.: SZEM180500417902

Page: 30 of 202

Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:High; Value:Average



Condition: 3m VERTICAL

Job No : 04179CR

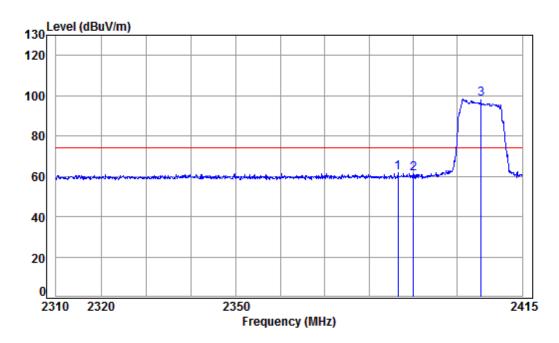
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
7.556	3.40	28.66	0.00	81.21	113.27	54.00	59.27	Average
3.500	3.41	28.67	0.00	17.19	49.27	54.00	-4.73	Average
3.875	3.41	28.67	0.00	17.05	49.13	54.00	-4.87	Average
	Freq MHz 7.556 3.500	Freq Loss MHz dB 7.556 3.40 3.500 3.41	Loss Factor MHz	NHz	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 7.556 3.40 28.66 0.00 81.21 8.500 3.41 28.67 0.00 17.19	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 7.556 3.40 28.66 0.00 81.21 113.27 3.500 3.41 28.67 0.00 17.19 49.27	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 7.556 3.40 28.66 0.00 81.21 113.27 54.00 83.500 3.41 28.67 0.00 17.19 49.27 54.00	Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dB 7.556 3.40 28.66 0.00 81.21 113.27 54.00 59.27 8.500 3.41 28.67 0.00 17.19 49.27 54.00 -4.73 8.875 3.41 28.67 0.00 17.05 49.13 54.00 -4.87



Report No.: SZEM180500417902

Page: 31 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2405.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2405.5 Band edge

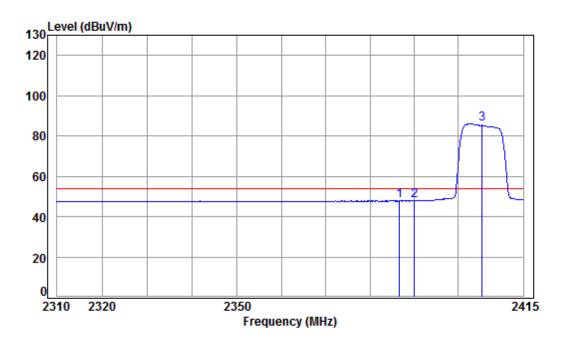
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2386.507	3.33	28.51	0.00	30.07	61.91	74.00	-12.09	peak	
2	2390.000	3.33	28.52	0.00	29.24	61.09	74.00	-12.91	peak	
3	pp 2405.500	3.34	28.54	0.00	66.32	98.20	74.00	24.20	peak	



Report No.: SZEM180500417902

Page: 32 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2405.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2405.5 Band edge

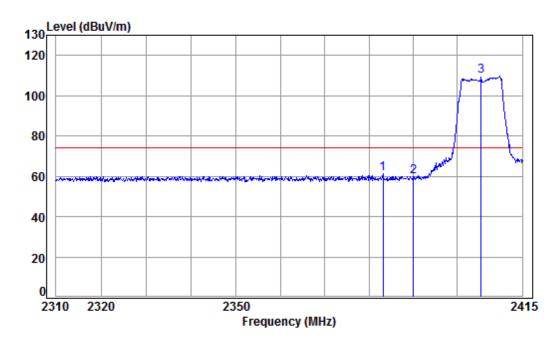
	Freq			Preamp Factor					Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2386.613	3.33	28.51	0.00	16.08	47.92	54.00	-6.08	Average	
2	2390.000	3.33	28.52	0.00	16.04	47.89	54.00	-6.11	Average	
3	pp 2405.500	3.34	28.54	0.00	54.04	85.92	54.00	31.92	Average	



Report No.: SZEM180500417902

Page: 33 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2405.5MHz; Value: Peak



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2405.5 Band edge

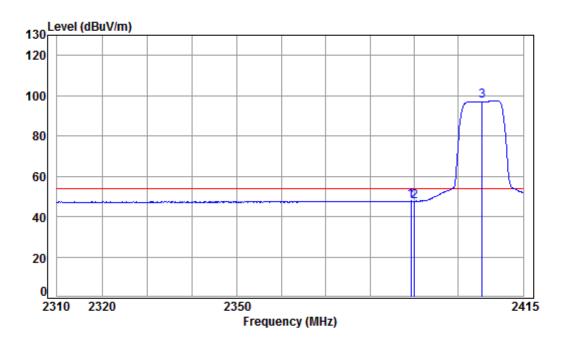
		Freq			Preamp Factor					Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		2383.115	3.32	28.51	0.00	29.35	61.18	74.00	-12.82	peak
2		2390.000	3.33	28.52	0.00	27.77	59.62	74.00	-14.38	peak
3	pp	2405.500	3.35	28.55	0.00	77.75	109.65	74.00	35.65	peak



Report No.: SZEM180500417902

Page: 34 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2405.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2405.5 Band edge

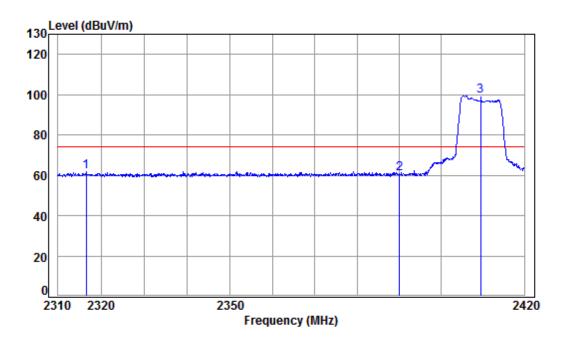
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2389.267	3.33	28.52	0.00	15.87	47.72	54.00	-6.28	Average	
2	2390.000	3.33	28.52	0.00	15.72	47.57	54.00	-6.43	Average	
3	pp 2405.500	3.35	28.55	0.00	65.51	97.41	54.00	43.41	Average	



Report No.: SZEM180500417902

Page: 35 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2409.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2409.5 Band edge

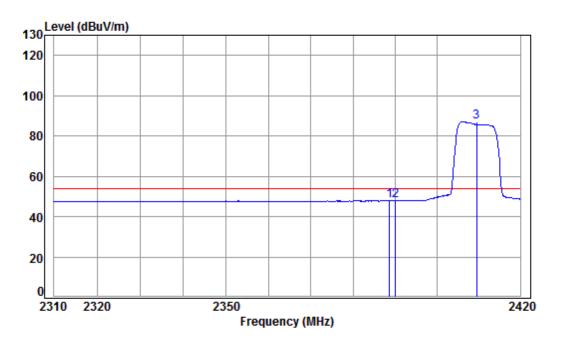
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2316.564	3.27	28.39	0.00	30.36	62.02	74.00	-11.98	peak	
2	2390.000	3.33	28.52	0.00	29.02	60.87	74.00	-13.13	peak	
3	pp 2409.500	3.34	28.54	0.00	67.71	99.59	74.00	25.59	peak	



Report No.: SZEM180500417902

Page: 36 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2409.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2409.5 Band edge

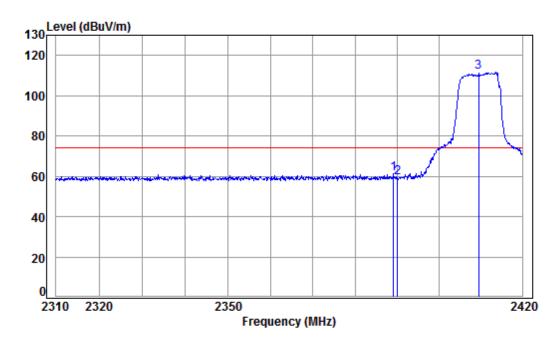
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2388.571	3.33	28.52	0.00	16.05	47.90	54.00	-6.10	Average	
2	2390.000	3.33	28.52	0.00	15.98	47.83	54.00	-6.17	Average	
3	pp 2409.500	3.34	28.55	0.00	55.17	87.06	54.00	33.06	Average	



Report No.: SZEM180500417902

Page: 37 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2409.5MHz; Value: Peak



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2409.5 Band edge

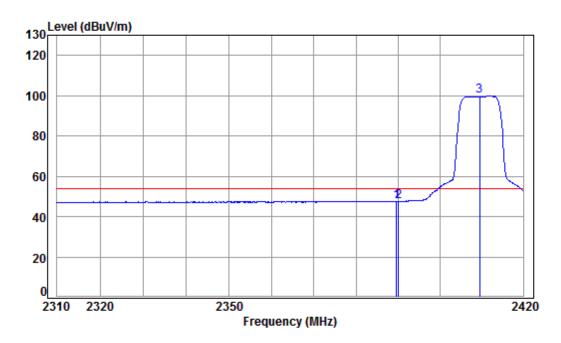
_	_										
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1		2389.127	3.33	28.52	0.00	29.23	61.08	74.00	-12.92	peak	
2		2390.000	3.33	28.52	0.00	27.69	59.54	74.00	-14.46	peak	
3	pp	2409.500	3.35	28.56	0.00	79.81	111.72	74.00	37.72	peak	



Report No.: SZEM180500417902

Page: 38 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2409.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2409.5 Band edge

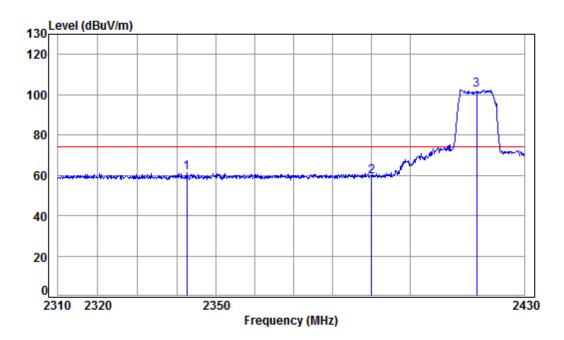
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2389.572	3.33	28.52	0.00	15.82	47.67	54.00	-6.33	Average	
2	2390.000	3.33	28.52	0.00	15.66	47.51	54.00	-6.49	Average	
3	pp 2409.500	3.35	28.55	0.00	67.78	99.68	54.00	45.68	Average	



Report No.: SZEM180500417902

Page: 39 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2417.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2417.5 Band edge

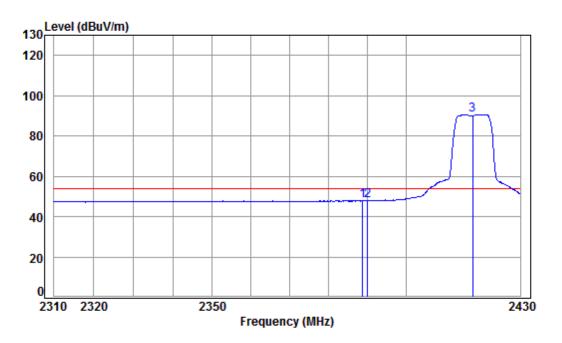
	Fi				Preamp Factor					Remark
	-	MHz -	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2342.5	515	3.29	28.44	0.00	29.47	61.20	74.00	-12.80	peak
2	2390.0	900	3.33	28.52	0.00	27.34	59.19	74.00	-14.81	peak
3	pp 2417.5	500	3.35	28.56	0.00	70.50	102.41	74.00	28.41	peak



Report No.: SZEM180500417902

Page: 40 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2417.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2417.5 Band edge

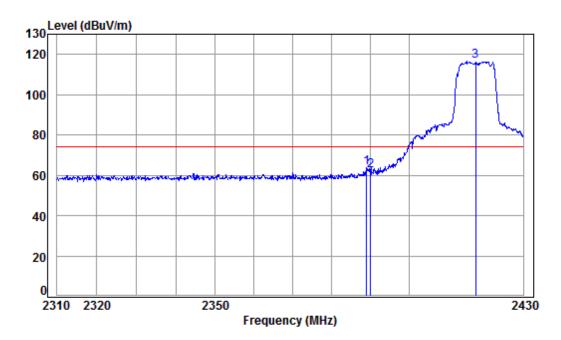
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2388.758	3.33	28.52	0.00	16.06	47.91	54.00	-6.09	Average	
2	2390.000	3.33	28.52	0.00	15.99	47.84	54.00	-6.16	Average	
3	pp 2417.500	3.35	28.57	0.00	58.67	90.59	54.00	36.59	Average	



Report No.: SZEM180500417902

Page: 41 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2417.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2417.5 Band edge

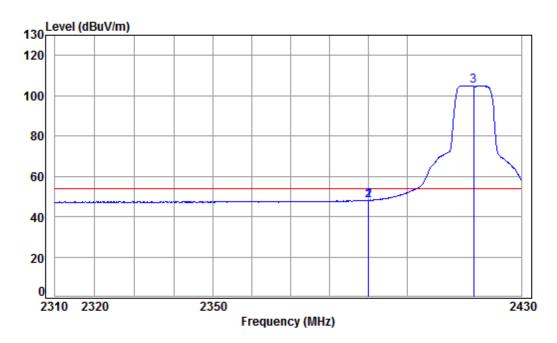
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.000	3.33	28.52	0.00	32.01	63.86	74.00	-10.14	peak
2	2390.000	3.33	28.52	0.00	30.61	62.46	74.00	-11.54	peak
3	pp 2417.500	3.35	28.56	0.00	84.64	116.55	74.00	42.55	peak



Report No.: SZEM180500417902

Page: 42 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2417.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2417.5 Band edge

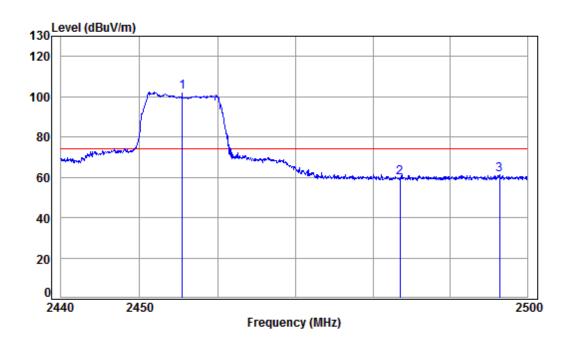
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2389.968	3.33	28.52	0.00	16.19	48.04	54.00	-5.96	Average	
2	2390.000	3.33	28.52	0.00	16.19	48.04	54.00	-5.96	Average	
3	pp 2417.500	3.35	28.56	0.00	73.02	104.93	54.00	50.93	Average	



Report No.: SZEM180500417902

Page: 43 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2455.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2455.5 Band edge

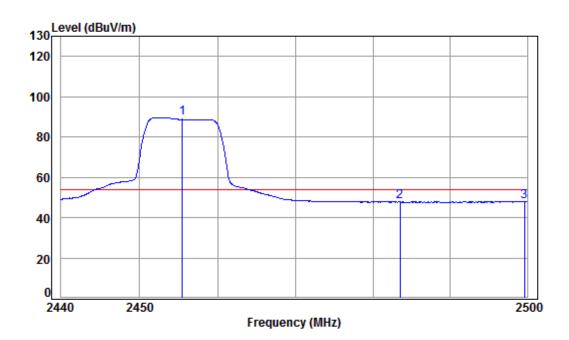
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2455.500	3.38	28.62	0.00	70.11	102.11	74.00	28.11	peak
2	2483.500	3.41	28.67	0.00	27.50	59.58	74.00	-14.42	peak
3	2496.359	3.42	28.69	0.00	29.07	61.18	74.00	-12.82	peak



Report No.: SZEM180500417902

Page: 44 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2455.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2455.5 Band edge

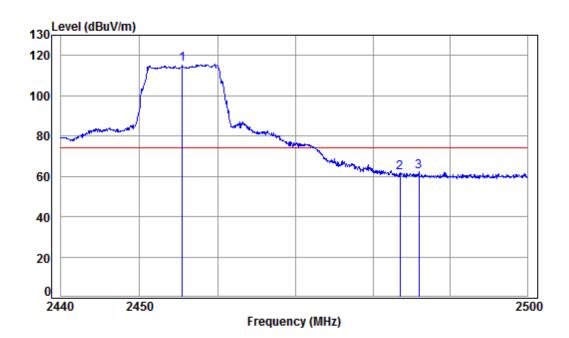
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2455.500	3.38	28.62	0.00	57.71	89.71	54.00	35.71	Average
2	2483.500	3.41	28.67	0.00	15.63	47.71	54.00	-6.29	Average
3	2499.636	3.42	28.70	0.00	15.76	47.88	54.00	-6.12	Average



Report No.: SZEM180500417902

Page: 45 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2455.5MHz; Value: Peak



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2455.5 Band edge

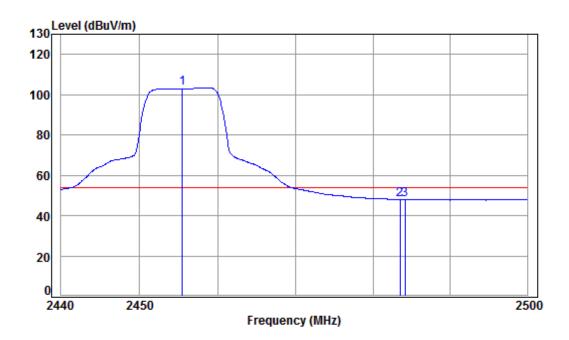
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2455.500	3.39	28.63	0.00	83.43	115.45	74.00	41.45	peak
2483.500	3.41	28.67	0.00	29.59	61.67	74.00	-12.33	peak
2485.889	3.41	28.68	0.00	29.95	62.04	74.00	-11.96	peak
	MHz 2455.500 2483.500	Freq Loss MHz dB 2455.500 3.39 2483.500 3.41	Freq Loss Factor MHz dB dB/m 2455.500 3.39 28.63 2483.500 3.41 28.67	Freq Loss Factor Factor MHz dB dB/m dB 2455.500 3.39 28.63 0.00 2483.500 3.41 28.67 0.00	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 2455.500 3.39 28.63 0.00 83.43 2483.500 3.41 28.67 0.00 29.59	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 2455.500 3.39 28.63 0.00 83.43 115.45 2483.500 3.41 28.67 0.00 29.59 61.67	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 2455.500 3.39 28.63 0.00 83.43 115.45 74.00 2483.500 3.41 28.67 0.00 29.59 61.67 74.00	Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dB 2455.500 3.39 28.63 0.00 83.43 115.45 74.00 41.45 2483.500 3.41 28.67 0.00 29.59 61.67 74.00 -12.33 2485.889 3.41 28.68 0.00 29.95 62.04 74.00 -11.96



Report No.: SZEM180500417902

Page: 46 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2455.5MHz; Value: Average



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2455.5 Band edge

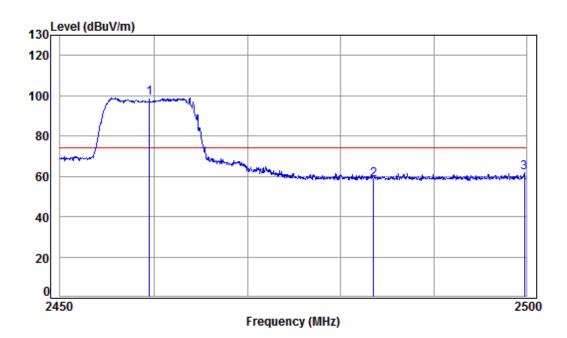
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2455.500	3.39	28.63	0.00	71.27	103.29	54.00	49.29	Average
2	2483.500	3.41	28.67	0.00	15.94	48.02	54.00	-5.98	Average
3	2484.139	3.41	28.67	0.00	15.92	48.00	54.00	-6.00	Average



Report No.: SZEM180500417902

Page: 47 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2459.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2459.5 Band edge

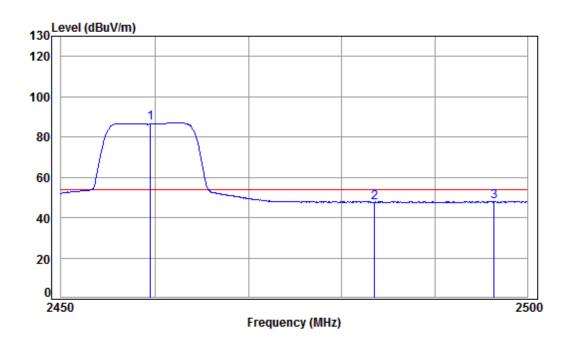
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2459.500	3.39	28.64	0.00	66.98	99.01	74.00	25.01	peak
	2483.500								•
	2499.798								•



Report No.: SZEM180500417902

Page: 48 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2459.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2459.5 Band edge

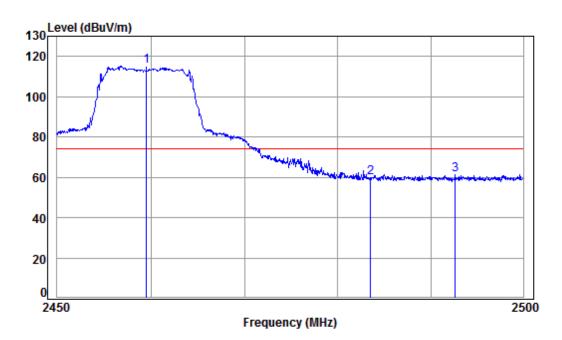
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2459.500	3.39	28.64	0.00	54.86	86.89	54.00	32.89	Average
2	2483.500	3.41	28.67	0.00	15.56	47.64	54.00	-6.36	Average
3	2496.417	3.42	28.69	0.00	15.80	47.91	54.00	-6.09	Average



Report No.: SZEM180500417902

Page: 49 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2459.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2459.5 Band edge

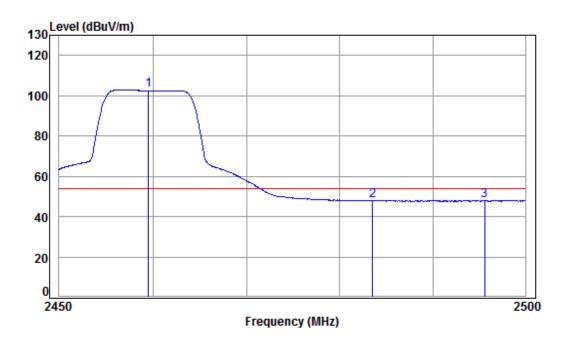
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	p 2459.500	3.38	28.63	0.00	83.09	115.10	74.00	41.10	peak
2	2483.500	3.41	28.67	0.00	27.95	60.03	74.00	-13.97	peak
3	2492.637	3.41	28.69	0.00	29.23	61.33	74.00	-12.67	peak



Report No.: SZEM180500417902

50 of 202 Page:

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2459.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR

3

Mode : 2459.5 Band edge Note

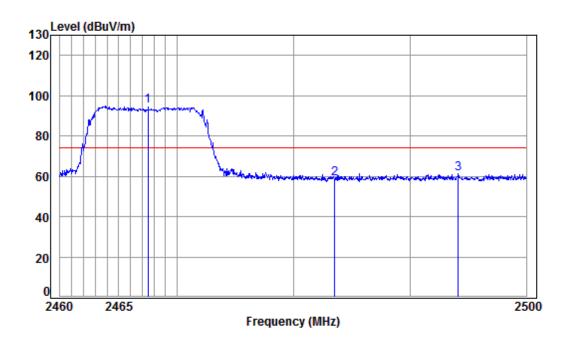
: L1P 10M ANT1 Cable Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark MHz dB dBuV dBuV/m dBuV/m dB dB dB/m 1 pp 2459.500 3.38 28.63 0.00 70.91 102.92 54.00 48.92 Average -6.18 Average 2483.500 3.41 28.67 0.00 15.74 47.82 54.00 2495.610 3.42 28.69 0.00 15.83 47.94 54.00 -6.06 Average



Report No.: SZEM180500417902

Page: 51 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2467.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2467.5 Band edge

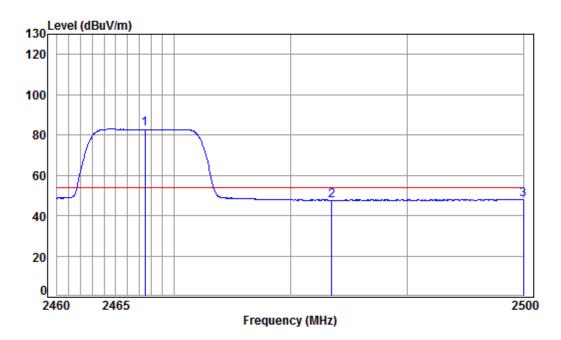
	_										
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp 2	2467.500	3.39	28.64	0.00	62.69	94.72	74.00	20.72	peak	
2	2	2483.500	3.41	28.67	0.00	26.80	58.88	74.00	-15.12	peak	
3	2	2494.120	3.42	28.69	0.00	29.35	61.46	74.00	-12.54	peak	



Report No.: SZEM180500417902

Page: 52 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2467.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2467.5 Band edge

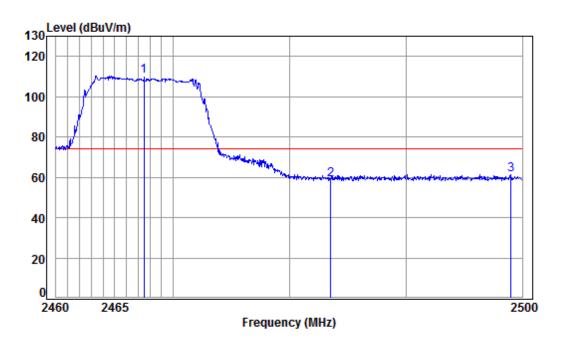
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2467.500	3.39	28.64	0.00	50.82	82.85	54.00	28.85	Average
2	2483.500	3.41	28.67	0.00	15.52	47.60	54.00	-6.40	Average
3	2500.000	3.42	28.70	0.00	15.78	47.90	54.00	-6.10	Average



Report No.: SZEM180500417902

Page: 53 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2467.5MHz; Value: Peak



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2467.5 Band edge

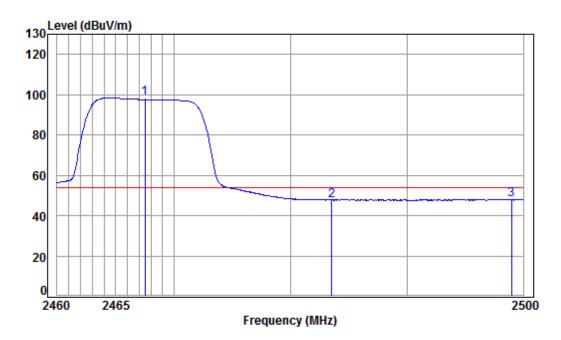
) Le	: LIP	TOM A	NIT							
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2467.500	3.39	28.64	0.00	78.36	110.39	74.00	36.39	peak	
2	2483.500	3.41	28.67	0.00	26.60	58.68	74.00	-15.32	peak	
3	2499.032	3.42	28.70	0.00	29.14	61.26	74.00	-12.74	peak	



Report No.: SZEM180500417902

Page: 54 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2467.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2467.5 Band edge

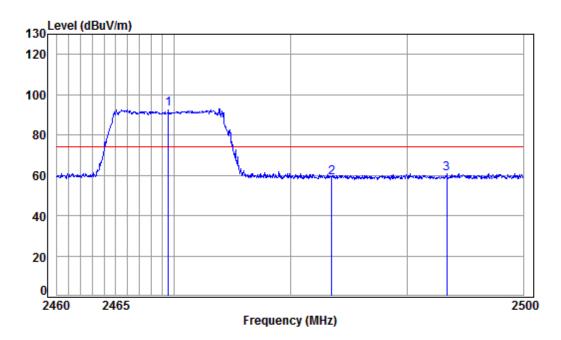
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 2467	7.500	3.39	28.64	0.00	66.27	98.30	54.00	44.30	Average
2	2483	3.500	3.41	28.67	0.00	15.61	47.69	54.00	-6.31	Average
3	2498	3.992	3.42	28.70	0.00	15.79	47.91	54.00	-6.09	Average



Report No.: SZEM180500417902

Page: 55 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2469.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2469.5 Band edge

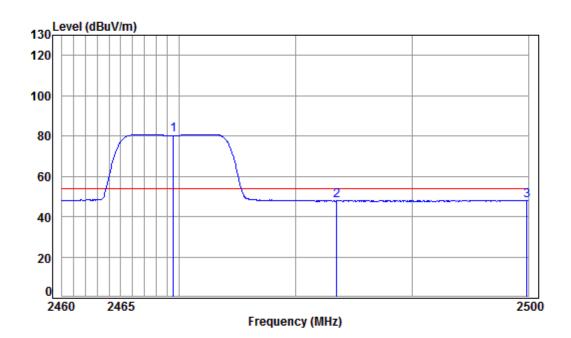
	_										
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp	2469.500	3.40	28.66	0.00	60.81	92.87	74.00	18.87	peak	
2		2483.500	3.41	28.67	0.00	26.84	58.92	74.00	-15.08	peak	
3		2493.396	3.41	28.69	0.00	28.83	60.93	74.00	-13.07	peak	



Report No.: SZEM180500417902

Page: 56 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2469.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2469.5 Band edge

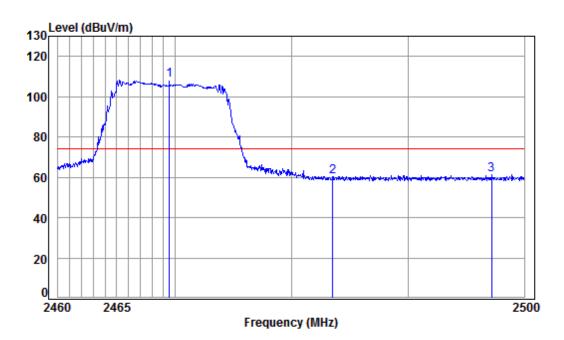
		Freq			Preamp Factor					Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	рр	2469.500	3.40	28.65	0.00	48.62	80.67	54.00	26.67	Average
2		2483.500	3.41	28.67	0.00	15.65	47.73	54.00	-6.27	Average
3		2499.879	3.42	28.70	0.00	15.88	48.00	54.00	-6.00	Average



Report No.: SZEM180500417902

Page: 57 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2469.5MHz; Value: Peak



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2469.5 Band edge

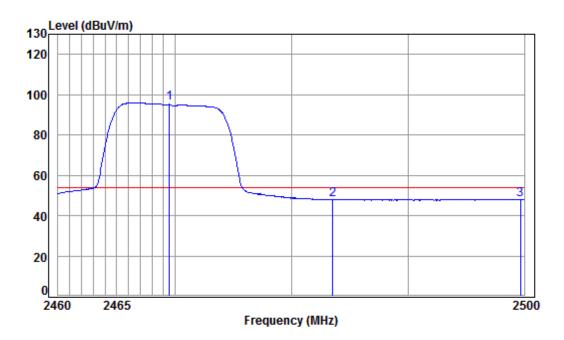
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2469.500	3.39	28.64	0.00	76.08	108.11	74.00	34.11	peak
2	2483.500	3.41	28.67	0.00	28.03	60.11	74.00	-13.89	peak
3	2497.179	3.42	28.70	0.00	29.38	61.50	74.00	-12.50	peak



Report No.: SZEM180500417902

Page: 58 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2469.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2469.5 Band edge

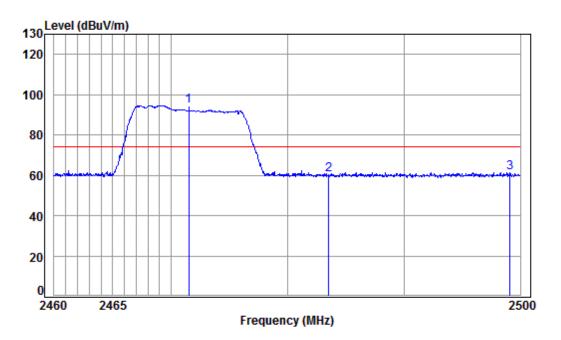
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2469.500	3.39	28.65	0.00	63.85	95.89	54.00	41.89	Average
2		2483.500	3.41	28.67	0.00	15.70	47.78	54.00	-6.22	Average
3		2499.677	3.42	28.70	0.00	15.90	48.02	54.00	-5.98	Average



Report No.: SZEM180500417902

Page: 59 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2471.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2471.5 Band edge

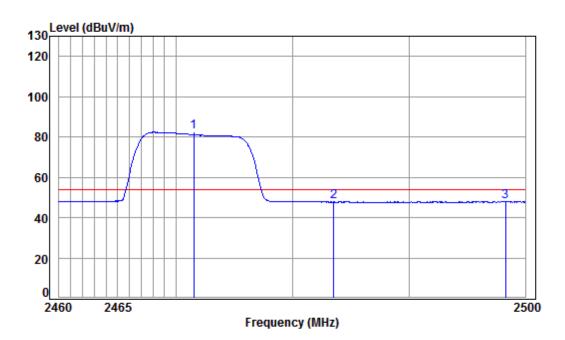
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.65	0.00	62.60	94.64	74.00	20.64	peak
2	2483.500	3.41	28.67	0.00	28.29	60.37	74.00	-13.63	peak
3	2499.113	3.42	28.70	0.00	29.39	61.51	74.00	-12.49	peak



Report No.: SZEM180500417902

Page: 60 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2471.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2471.5 Band edge

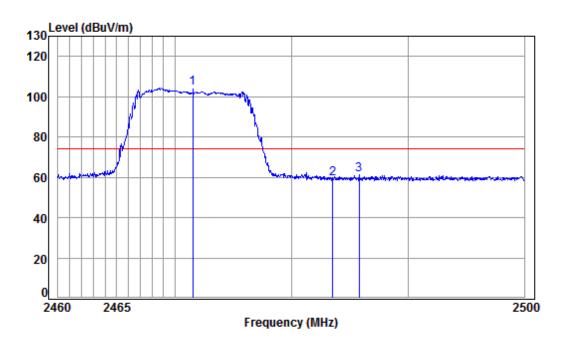
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.65	0.00	50.31	82.35	54.00	28.35	Average
2	2483.500	3.41	28.67	0.00	15.62	47.70	54.00	-6.30	Average
3	2498.307	3.42	28.70	0.00	15.77	47.89	54.00	-6.11	Average



Report No.: SZEM180500417902

Page: 61 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2471.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2471.5 Band edge

Note I 1P 10M ANT1

2 3

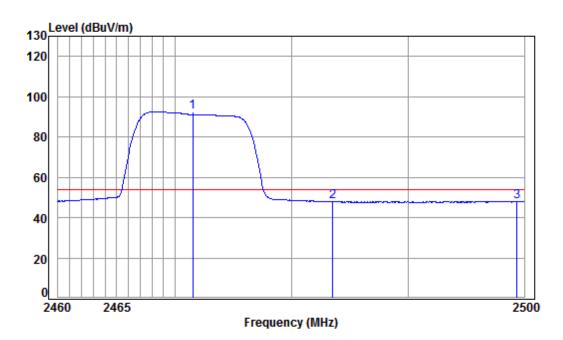
oce	· LI	TON A	IVII							
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2471.500	3.39	28.65	0.00	72.48	104.52	74.00	30.52	peak	
2	2483.500	3.41	28.67	0.00	27.46	59.54	74.00	-14.46	peak	
3	2485 766	3 41	28 68	0 00	28 96	61 05	74 99	-12 95	neak	



Report No.: SZEM180500417902

Page: 62 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2471.5MHz; Value: Average



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2471.5 Band edge

Note : L1P 10M ANT1

1 2 3

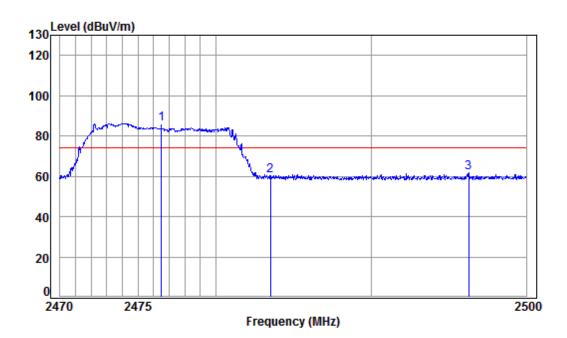
	Freq			Preamp Factor					Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
pp	2471.500	3.39	28.65	0.00	60.44	92.48	54.00	38.48	Average	
2	2483.500	3.41	28.67	0.00	15.82	47.90	54.00	-6.10	Average	
3	2499.355	3.42	28.70	0.00	15.95	48.07	54.00	-5.93	Average	



Report No.: SZEM180500417902

Page: 63 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2476.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2476.5 Band edge

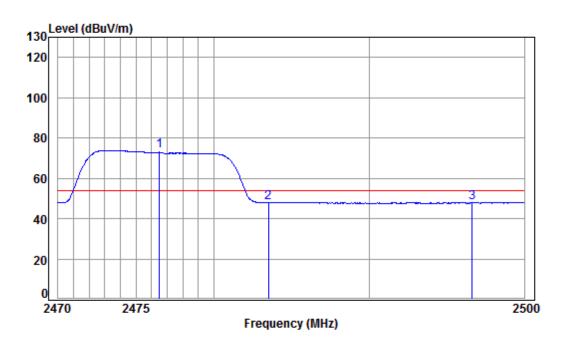
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2476.500	3.40	28.65	0.00	54.12	86.17	74.00	12.17	peak
2	2483.500	3.41	28.67	0.00	27.98	60.06	74.00	-13.94	peak
3	2496.260	3.42	28.69	0.00	29.72	61.83	74.00	-12.17	peak



Report No.: SZEM180500417902

Page: 64 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2476.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2476.5 Band edge

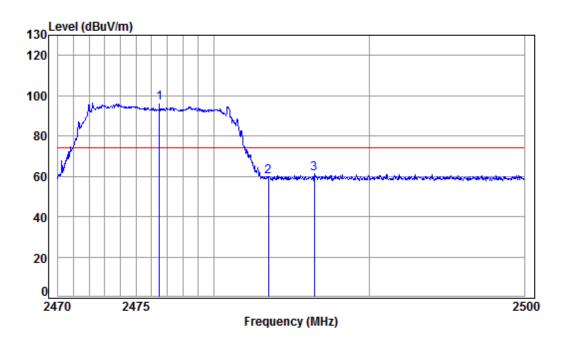
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2476.500	3.40	28.66	0.00	41.80	73.86	54.00	19.86	Average
2	2483.500	3.41	28.67	0.00	15.70	47.78	54.00	-6.22	Average
3	2496.622	3.42	28.69	0.00	15.83	47.94	54.00	-6.06	Average



Report No.: SZEM180500417902

Page: 65 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2476.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2476.5 Band edge

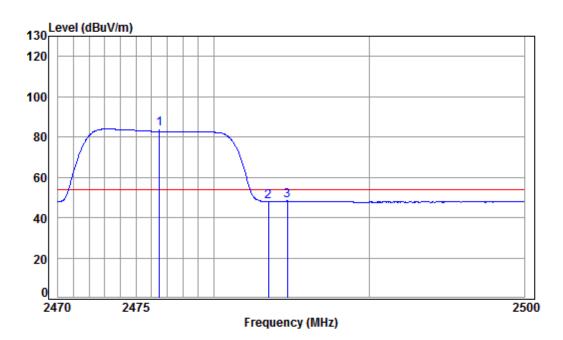
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2476.500	3.40	28.65	0.00	64.30	96.35	74.00	22.35	peak
	2483.500								•
3	2486.455	3.41	28.68	0.00	29.18	61.27	74.00	-12.73	peak



Report No.: SZEM180500417902

Page: 66 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2476.5MHz; Value: Average



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2476.5 Band edge

Note : L1P 10M ANT1

1 2 3

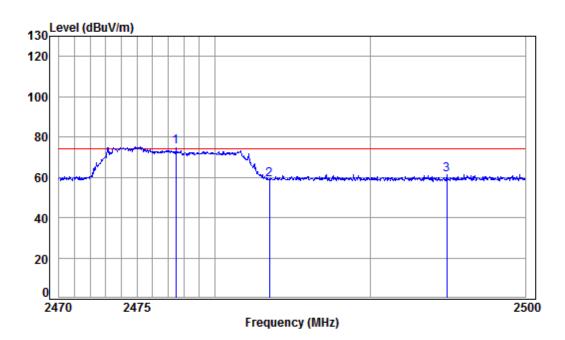
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
			•			•	•			
	op 2476.500	3.40	28.66	0.00	51.86	83.92	54.00	29.92	Average	
<u> </u>	2483.500								_	
3	2484.715								_	



Report No.: SZEM180500417902

Page: 67 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2477.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2477.5 Band edge

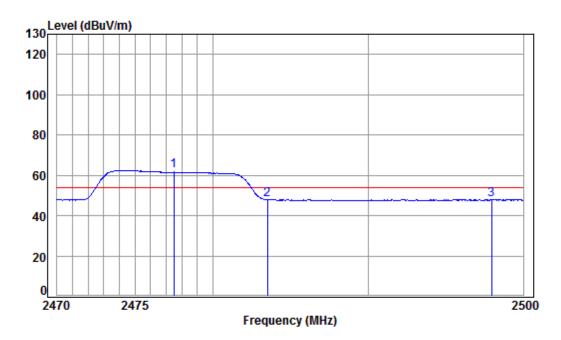
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2477.500	3.40	28.66	0.00	42.92	74.98	74.00	0.98	peak
2	2483.500	3.41	28.67	0.00	26.70	58.78	74.00	-15.22	peak
3	2494.935	3.42	28.69	0.00	29.23	61.34	74.00	-12.66	peak



Report No.: SZEM180500417902

Page: 68 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2477.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2477.5 Band edge

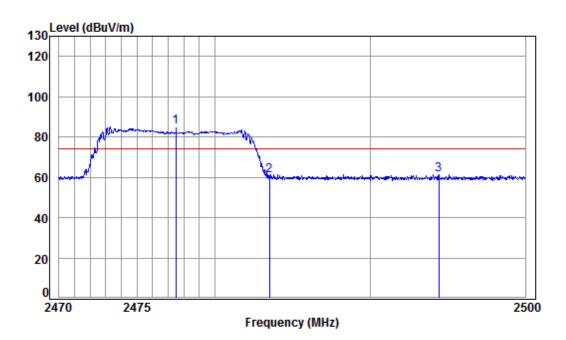
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2477.500	3.40	28.66	0.00	30.36	62.42	54.00	8.42	Average
2	2483.500	3.41	28.67	0.00	15.81	47.89	54.00	-6.11	Average
3	2497.948	3.42	28.70	0.00	15.70	47.82	54.00	-6.18	Average



Report No.: SZEM180500417902

Page: 69 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2477.5MHz; Value: Peak



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2477.5 Band edge

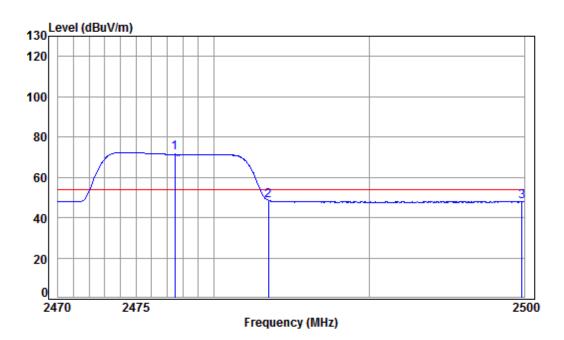
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
p 2477.500	3.40	28.66	0.00	52.83	84.89	74.00	10.89	peak
2483.500	3.41	28.67	0.00	28.81	60.89	74.00	-13.11	peak
2494.393	3.42	28.69	0.00	29.42	61.53	74.00	-12.47	peak
	MHz p 2477.500 2483.500	Freq Loss MHz dB p 2477.500 3.40 2483.500 3.41	Freq Loss Factor MHz dB dB/m p 2477.500 3.40 28.66 2483.500 3.41 28.67	Freq Loss Factor Factor MHz dB dB/m dB p 2477.500 3.40 28.66 0.00 2483.500 3.41 28.67 0.00	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV p 2477.500 3.40 28.66 0.00 52.83 2483.500 3.41 28.67 0.00 28.81	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m p 2477.500 3.40 28.66 0.00 52.83 84.89 2483.500 3.41 28.67 0.00 28.81 60.89	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m p 2477.500 3.40 28.66 0.00 52.83 84.89 74.00 2483.500 3.41 28.67 0.00 28.81 60.89 74.00	Cable Ant Preamp Read Limit Over Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dB



Report No.: SZEM180500417902

70 of 202 Page:

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2477.5MHz; Value: Average



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2477.5 Band edge

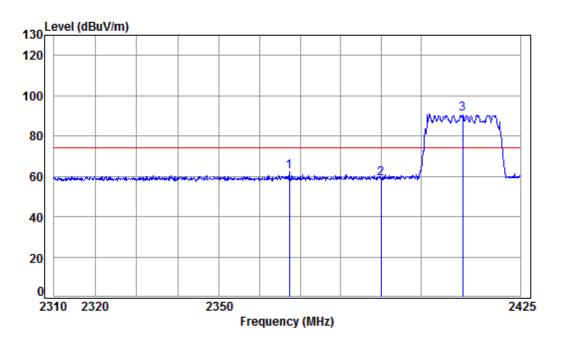
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2477.500	3.40	28.66	0.00	40.34	72.40	54.00	18.40	Average
2		2483.500	3.41	28.67	0.00	16.47	48.55	54.00	-5.45	Average
3		2499.849	3.42	28.70	0.00	15.88	48.00	54.00	-6.00	Average



Report No.: SZEM180500417902

Page: 71 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2410.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2410.5 Band edge

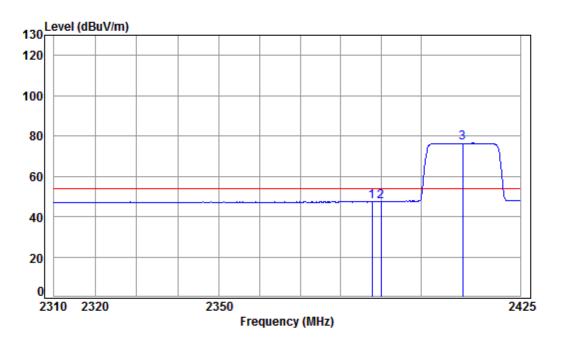
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2367.377	3.31	28.48	0.00	30.26	62.05	74.00	-11.95	peak
2	2390.000	3.33	28.52	0.00	27.15	59.00	74.00	-15.00	peak
3 p	p 2410.500	3.34	28.54	0.00	58.83	90.71	74.00	16.71	peak



Report No.: SZEM180500417902

Page: 72 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2410.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2410.5 Band edge

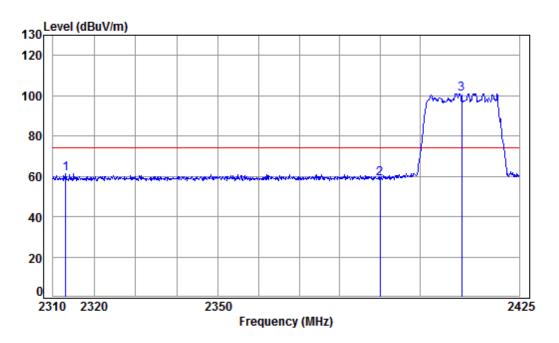
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2387.822	3.33	28.51	0.00	15.78	47.62	54.00	-6.38	Average	
2	2390.000	3.33	28.52	0.00	15.64	47.49	54.00	-6.51	Average	
3	pp 2410.500	3.35	28.56	0.00	44.46	76.37	54.00	22.37	Average	



Report No.: SZEM180500417902

73 of 202 Page:

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2410.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode

: 2410.5 Band edge : L1P 20M ANT1 Note

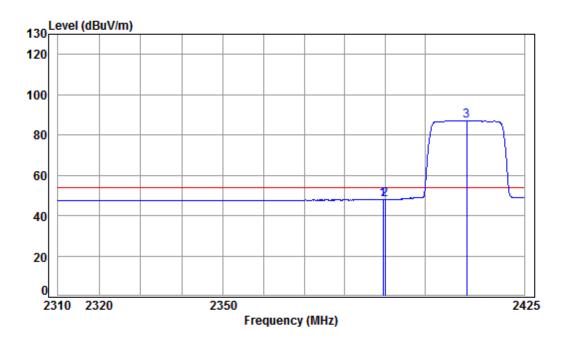
Cable Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark dΒ MHz dBuV dBuV/m dBuV/m dB dB dB/m 1 2313.145 3.27 28.39 0.00 29.52 61.18 74.00 -12.82 peak 0.00 27.14 58.99 74.00 -15.01 peak 2 2390.000 3.33 28.52 3 pp 2410.500 3.35 28.57 0.00 69.04 100.96 74.00 26.96 peak



Report No.: SZEM180500417902

Page: 74 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2410.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2410.5 Band edge

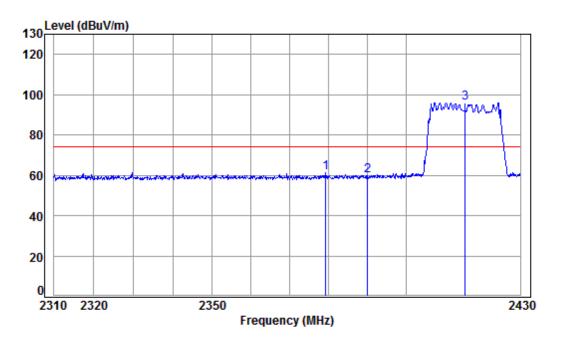
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2389.563	3.33	28.52	0.00	16.14	47.99	54.00	-6.01	Average	
2	2390.000	3.33	28.52	0.00	16.07	47.92	54.00	-6.08	Average	
3	pp 2410.500	3.35	28.55	0.00	55.19	87.09	54.00	33.09	Average	



Report No.: SZEM180500417902

Page: 75 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2415.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2415.5 Band edge

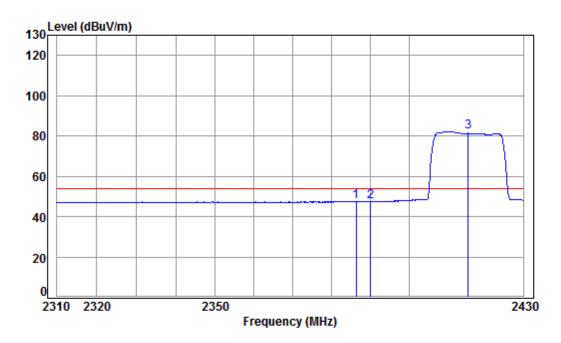
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2379.220	3.32	28.50	0.00	29.27	61.09	74.00	-12.91	peak
2390.000	3.33	28.52	0.00	27.93	59.78	74.00	-14.22	peak
2415.500	3.36	28.58	0.00	64.09	96.03	74.00	22.03	peak
	MHz 2379.220 2390.000	Freq Loss MHz dB 2379.220 3.32 2390.000 3.33	Freq Loss Factor MHz dB dB/m 2379.220 3.32 28.50 2390.000 3.33 28.52	Freq Loss Factor Factor MHz dB dB/m dB 2379.220 3.32 28.50 0.00 2390.000 3.33 28.52 0.00	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 2379.220 3.32 28.50 0.00 29.27 2390.000 3.33 28.52 0.00 27.93	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 2379.220 3.32 28.50 0.00 29.27 61.09 2390.000 3.33 28.52 0.00 27.93 59.78	Freq Loss Factor Factor Level Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 2379.220 3.32 28.50 0.00 29.27 61.09 74.00 2390.000 3.33 28.52 0.00 27.93 59.78 74.00	Freq Cable Loss Factor Factor Ant Preamp Level Level Level Limit Limit Limit Over Level Level Level Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dB dB 2379.220 3.32 28.50 0.00 29.27 61.09 74.00 -12.91 2390.000 3.33 28.52 0.00 27.93 59.78 74.00 -14.22 2415.500 3.36 28.58 0.00 64.09 96.03 74.00 22.03



Report No.: SZEM180500417902

Page: 76 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2415.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2415.5 Band edge

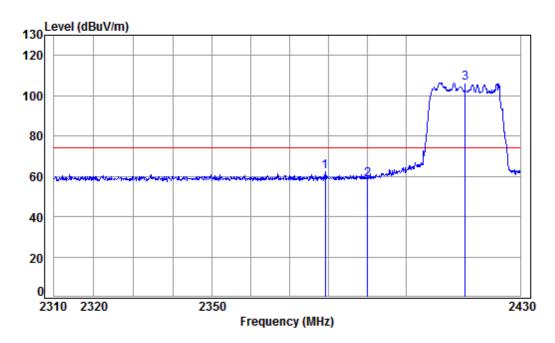
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2386.219	3.33	28.51	0.00	15.61	47.45	54.00	-6.55	Average	
2	2390.000	3.33	28.52	0.00	15.54	47.39	54.00	-6.61	Average	
3	pp 2415.500	3.35	28.55	0.00	50.03	81.93	54.00	27.93	Average	



Report No.: SZEM180500417902

Page: 77 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2415.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2415.5 Band edge

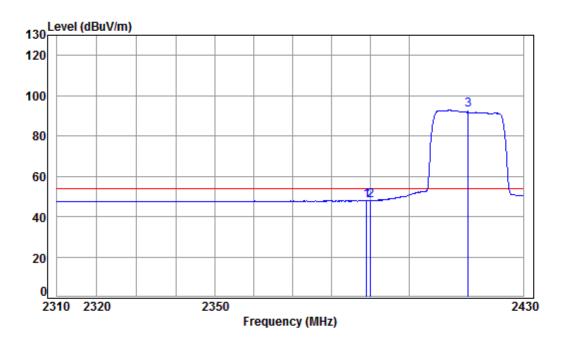
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2379.100	3.32	28.50	0.00	30.40	62.22	74.00	-11.78	peak
2	2390.000	3.33	28.52	0.00	26.61	58.46	74.00	-15.54	peak
3	pp 2415.500	3.35	28.55	0.00	74.57	106.47	74.00	32.47	peak



Report No.: SZEM180500417902

Page: 78 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2415.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2415.5 Band edge

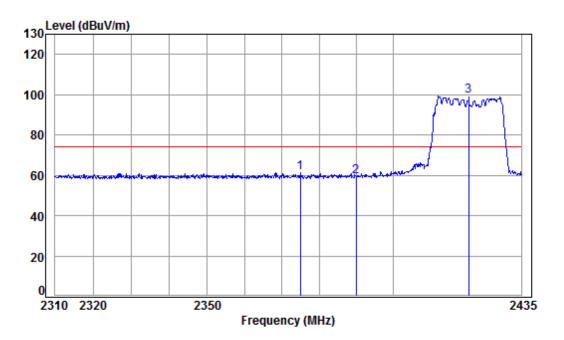
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2389.000	3.33	28.52	0.00	16.08	47.93	54.00	-6.07	Average	
2	2390.000	3.33	28.52	0.00	16.04	47.89	54.00	-6.11	Average	
3	pp 2415.500	3.35	28.55	0.00	60.82	92.72	54.00	38.72	Average	



Report No.: SZEM180500417902

Page: 79 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2420.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2420.5 Band edge

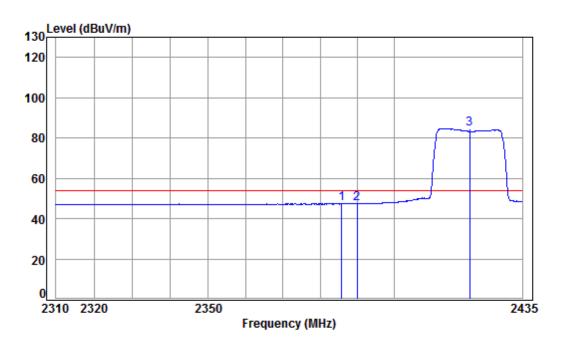
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2374.928	3.32	28.49	0.00	29.27	61.08	74.00	-12.92	peak
2	2390.000	3.33	28.52	0.00	27.70	59.55	74.00	-14.45	peak
3	pp 2420.500	3.35	28.56	0.00	67.29	99.20	74.00	25.20	peak



Report No.: SZEM180500417902

Page: 80 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2420.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2420.5 Band edge

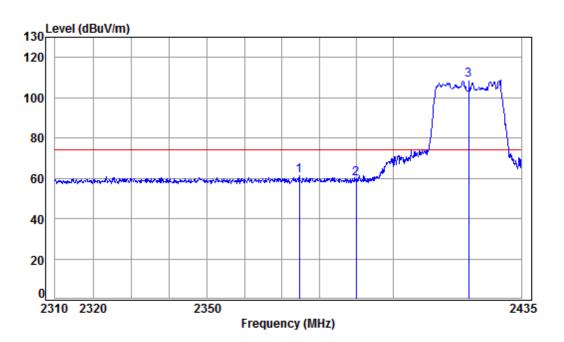
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
1	2385.842	3.33	28.51	0.00	15.65	47.49	54.00	-6.51	peak	
2	2390.000	3.33	28.52	0.00	15.52	47.37	54.00	-6.63	peak	
3	pp 2420.500	3.35	28.56	0.00	52.72	84.63	54.00	30.63	peak	



Report No.: SZEM180500417902

Page: 81 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2420.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2420.5 Band edge

Note : L1P 20M ANT1

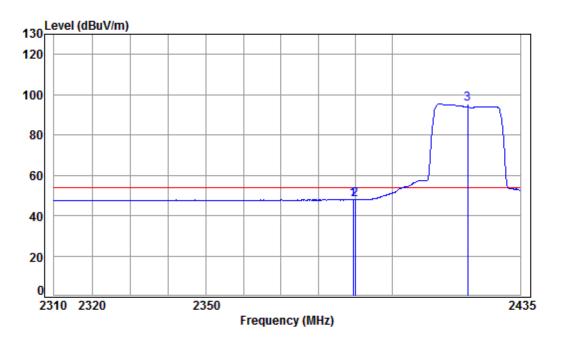
Cable Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark MHz dB dBuV dBuV/m dBuV/m dB dB dB/m 1 2374.678 3.32 28.49 0.00 29.72 61.53 74.00 -12.47 peak 2 2390.000 3.33 28.52 0.00 27.75 59.60 74.00 -14.40 peak 3 pp 2420.500 3.36 28.58 0.00 76.86 108.80 74.00 34.80 peak



Report No.: SZEM180500417902

Page: 82 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2420.5MHz; Value: Average



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2420.5 Band edge

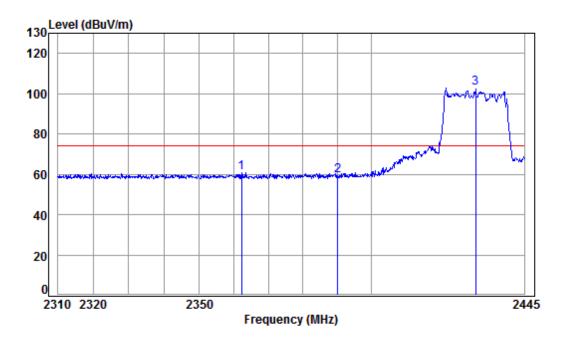
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.491	3.33	28.52	0.00	16.09	47.94	54.00	-6.06	Average
2	2390.000	3.33	28.52	0.00	16.00	47.85	54.00	-6.15	Average
3	pp 2420.500	3.35	28.56	0.00	63.44	95.35	54.00	41.35	Average



Report No.: SZEM180500417902

Page: 83 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2430.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2430.5 Band edge

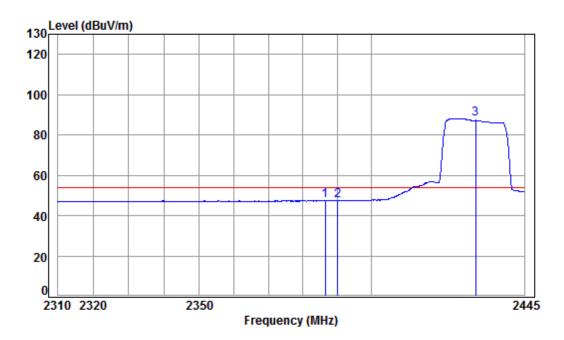
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2362.277	3.31	28.47	0.00	29.25	61.03	74.00	-12.97	peak	
2	2390.000	3.33	28.52	0.00	27.23	59.08	74.00	-14.92	peak	
3	pp 2430.500	3.36	28.57	0.00	70.82	102.75	74.00	28.75	peak	



Report No.: SZEM180500417902

Page: 84 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2430.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2430.5 Band edge

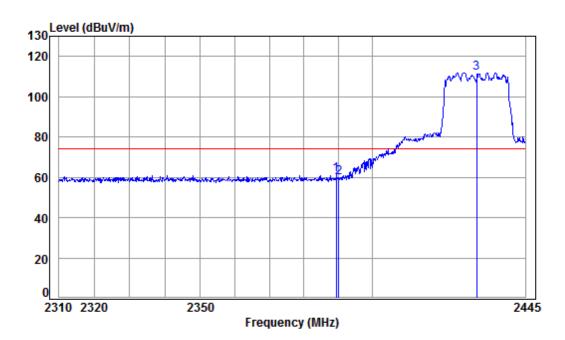
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2386.416	3.33	28.51	0.00	15.64	47.48	54.00	-6.52	Average
2	2390.000	3.33	28.52	0.00	15.59	47.44	54.00	-6.56	Average
3	pp 2430.500	3.36	28.58	0.00	56.03	87.97	54.00	33.97	Average



Report No.: SZEM180500417902

Page: 85 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2430.5MHz; Value: Peak



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2430.5 Band edge

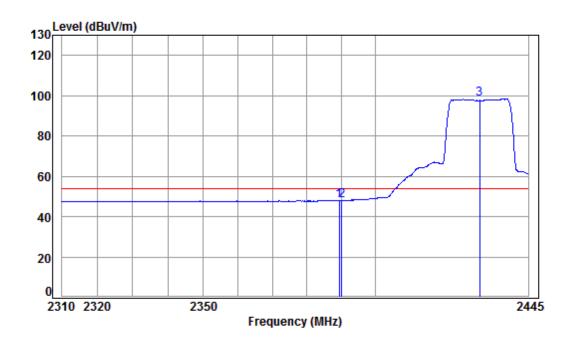
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2389.400	3.33	28.52	0.00	29.30	61.15	74.00	-12.85	peak	
2	2390.000	3.33	28.52	0.00	27.83	59.68	74.00	-14.32	peak	
3	op 2430.500	3.37	28.60	0.00	79.92	111.89	74.00	37.89	peak	
									•	



Report No.: SZEM180500417902

Page: 86 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2430.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : **0417**9CR

Mode : 2430.5 Band edge

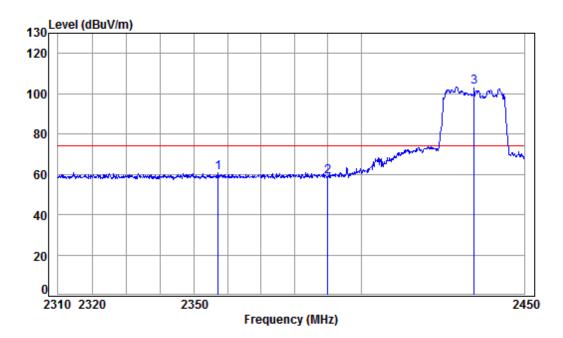
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
										_
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2389.400	3.33	28.52	0.00	16.26	48.11	54.00	-5.89	Average	
2	2390.000	3.33	28.52	0.00	16.09	47.94	54.00	-6.06	Average	
3	pp 2430.500	3.37	28.60	0.00	66.45	98.42	54.00	44.42	Average	



Report No.: SZEM180500417902

Page: 87 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2434.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2434.5 Band edge

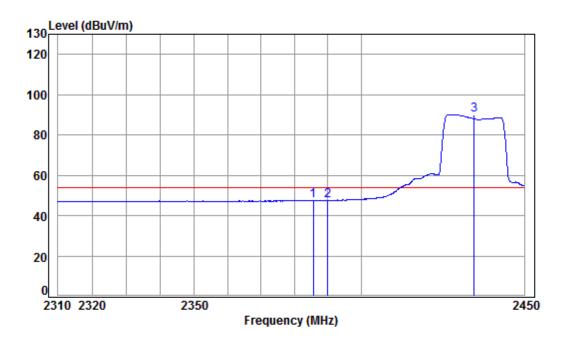
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2357.233	3.30	28.46	0.00	29.04	60.80	74.00	-13.20	peak	
2	2390.000	3.33	28.52	0.00	26.73	58.58	74.00	-15.42	peak	
3	pp 2434.500	3.36	28.58	0.00	71.54	103.48	74.00	29.48	peak	



Report No.: SZEM180500417902

Page: 88 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2434.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2434.5 Band edge

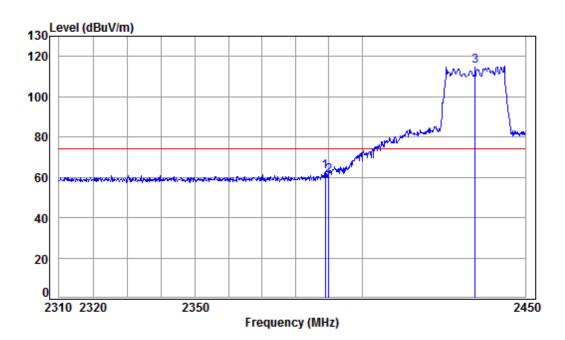
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2385.699	3.33	28.51	0.00	15.69	47.53	54.00	-6.47	Average	
2	2390.000	3.33	28.52	0.00	15.68	47.53	54.00	-6.47	Average	
3	pp 2434.500	3.36	28.58	0.00	58.10	90.04	54.00	36.04	Average	



Report No.: SZEM180500417902

Page: 89 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2434.5MHz; Value: Peak



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2434.5 Band edge

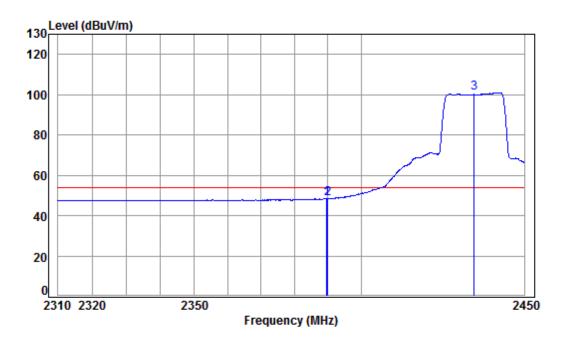
ble Ant	Preamp	Read		Limit	0ver	
oss Factor	Factor	Level	Level	Line	Limit	Remark
dB dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
.33 28.52	0.00	31.17	63.02	74.00	-10.98	peak
.33 28.52	0.00	29.02	60.87	74.00	-13.13	peak
.37 28.61	0.00	83.06	115.04	74.00	41.04	peak
	oss Factor dB dB/m .33 28.52 .33 28.52	oss Factor Factor dB dB/m dB .33 28.52 0.00 .33 28.52 0.00	oss Factor Factor Level dB dB/m dB dBuV .33 28.52 0.00 31.17 .33 28.52 0.00 29.02	oss Factor Factor Level Level dB dB/m dB dBuV dBuV/m .33 28.52 0.00 31.17 63.02 .33 28.52 0.00 29.02 60.87	oss Factor Factor Level Level Line dB	ble Ant Preamp Read Limit Over oss Factor Factor Level Level Line Limit AB AB AB AB AB AB AB A



Report No.: SZEM180500417902

90 of 202 Page:

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2434.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR

Note

1

Mode : 2434.5 Band edge : L1P 20M ANT1

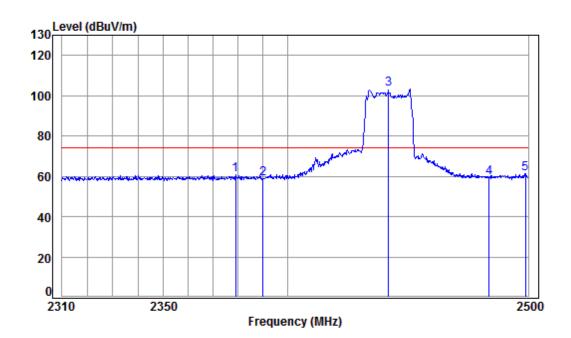
> Cable Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark MHz dB dBuV dBuV/m dBuV/m dB dB dB/m 2389.633 3.33 28.52 0.00 16.60 48.45 54.00 -5.55 Average



Report No.: SZEM180500417902

Page: 91 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2441.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2441.5 Band edge

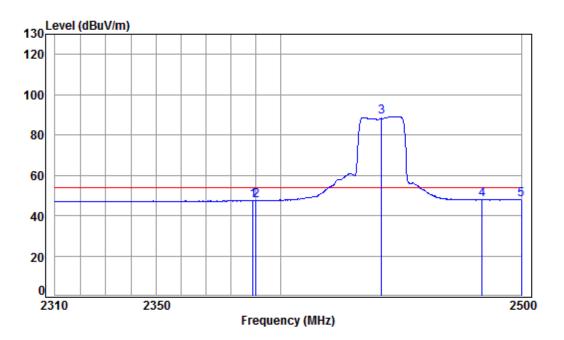
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2378.932	3.32	28.50	0.00	29.17	60.99	74.00	-13.01	peak
2	2390.000	3.33	28.52	0.00	26.89	58.74	74.00	-15.26	peak
3 p	pp 2441.500	3.38	28.62	0.00	71.54	103.54	74.00	29.54	peak
4	2483.500	3.41	28.67	0.00	27.36	59.44	74.00	-14.56	peak
5	2498.815	3.42	28.70	0.00	29.06	61.18	74.00	-12.82	peak



Report No.: SZEM180500417902

Page: 92 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2441.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2441.5 Band edge

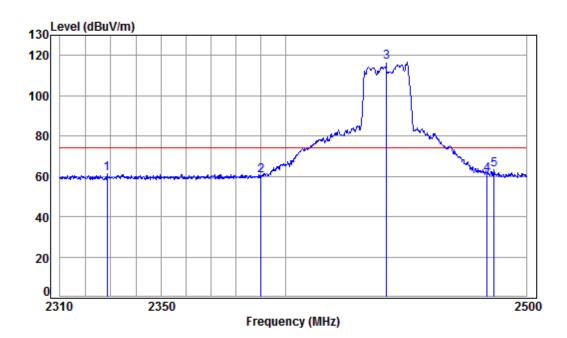
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.919	3.33	28.52	0.00	15.62	47.47	54.00	-6.53	peak
2	2390.000	3.33	28.52	0.00	15.48	47.33	54.00	-6.67	peak
3 p	p 2441.500	3.38	28.62	0.00	56.92	88.92	54.00	34.92	peak
4	2483.500	3.41	28.67	0.00	15.77	47.85	54.00	-6.15	peak
5	2500.000	3.42	28.70	0.00	15.88	48.00	54.00	-6.00	peak



Report No.: SZEM180500417902

Page: 93 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2441.5MHz; Value: Peak



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2441.5 Band edge

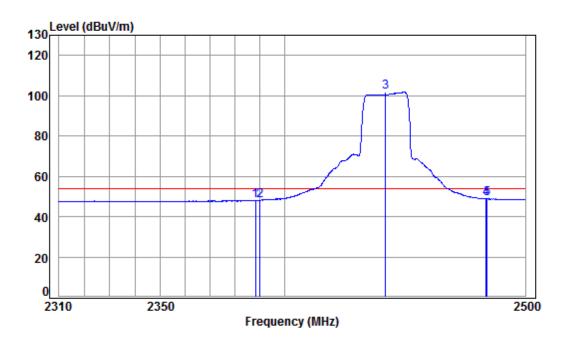
	ZUII A							
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2328.515	3.28	28.41	0.00	29.81	61.50	74.00	-12.50	peak
2390.000	3.33	28.52	0.00	28.62	60.47	74.00	-13.53	peak
2441.500	3.38	28.62	0.00	84.47	116.47	74.00	42.47	peak
2483.500	3.41	28.67	0.00	28.90	60.98	74.00	-13.02	peak
2486.402	3.41	28.68	0.00	31.18	63.27	74.00	-10.73	peak
	MHz 2328.515 2390.000 2441.500 2483.500	Freq Loss MHz dB 2328.515 3.28 2390.000 3.33 2441.500 3.38 2483.500 3.41	Freq Loss Factor MHz dB dB/m 2328.515 3.28 28.41 2390.000 3.33 28.52 2441.500 3.38 28.62 2483.500 3.41 28.67	Freq Loss Factor Factor MHz dB dB/m dB 2328.515 3.28 28.41 0.00 2390.000 3.33 28.52 0.00 2441.500 3.38 28.62 0.00 2483.500 3.41 28.67 0.00	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 2328.515 3.28 28.41 0.00 29.81 2390.000 3.33 28.52 0.00 28.62 2441.500 3.38 28.62 0.00 84.47 2483.500 3.41 28.67 0.00 28.90	Freq Loss Factor Factor Level Level Level MHz dB dB/m dB dBuV dBuV/m 2328.515 3.28 28.41 0.00 29.81 61.50 2390.000 3.33 28.52 0.00 28.62 60.47 2441.500 3.38 28.62 0.00 84.47 116.47 2483.500 3.41 28.67 0.00 28.90 60.98	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 2328.515 3.28 28.41 0.00 29.81 61.50 74.00 2390.000 3.33 28.52 0.00 28.62 60.47 74.00 2441.500 3.38 28.62 0.00 84.47 116.47 74.00 2483.500 3.41 28.67 0.00 28.90 60.98 74.00	Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dB 2328.515 3.28 28.41 0.00 29.81 61.50 74.00 -12.50 2390.000 3.33 28.52 0.00 28.62 60.47 74.00 -13.53 2441.500 3.38 28.62 0.00 84.47 116.47 74.00 42.47 2483.500 3.41 28.67 0.00 28.90 60.98 74.00 -13.02



Report No.: SZEM180500417902

Page: 94 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2441.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR Mode : 2441.5 Band

Mode : 2441.5 Band edge Note : L1P 20M ANT1

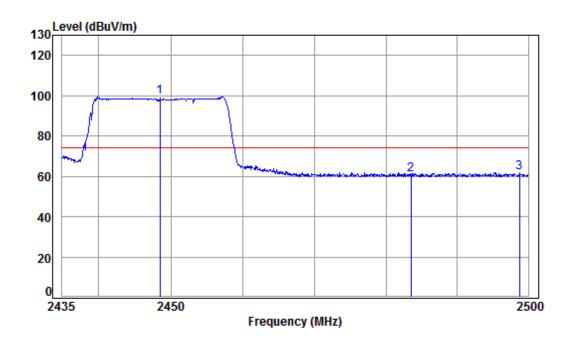
-	_		ZUII A								
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	_										
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1		2388.164	3.33	28.52	0.00	16.23	48.08	54.00	-5.92	Average	
2		2390.000	3.33	28.52	0.00	16.13	47.98	54.00	-6.02	Average	
3	pp	2441.500	3.38	28.62	0.00	69.68	101.68	54.00	47.68	Average	
4		2483.500	3.41	28.67	0.00	16.79	48.87	54.00	-5.13	Average	
5		2483.849	3.41	28.67	0.00	16.74	48.82	54.00	-5.18	Average	



Report No.: SZEM180500417902

Page: 95 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2448.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2448.5 Band edge

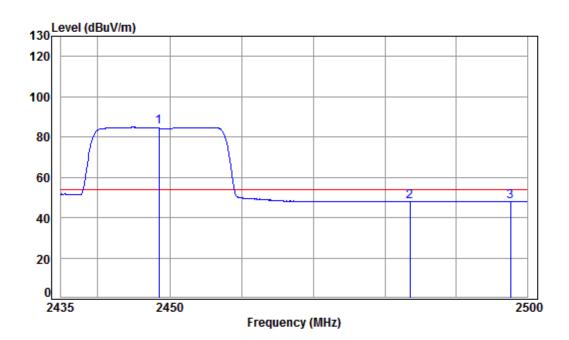
	Freq			Preamp Factor					Remark
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2448.500	3.38	28.63	0.00	67.47	99.48	74.00	25.48	peak
2	2483.500	3.41	28.67	0.00	28.71	60.79	74.00	-13.21	peak
3	2498.749	3.42	28.70	0.00	29.55	61.67	74.00	-12.33	peak



Report No.: SZEM180500417902

Page: 96 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2448.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2448.5 Band edge

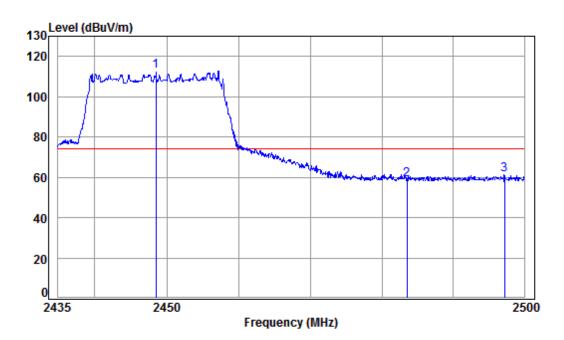
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2448.500	3.37	28.61	0.00	52.82	84.80	54.00	30.80	Average
2	2483.500	3.41	28.67	0.00	15.73	47.81	54.00	-6.19	Average
3	2497.630	3.42	28.70	0.00	15.92	48.04	54.00	-5.96	Average



Report No.: SZEM180500417902

Page: 97 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2448.5MHz; Value: Peak



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2448.5 Band edge

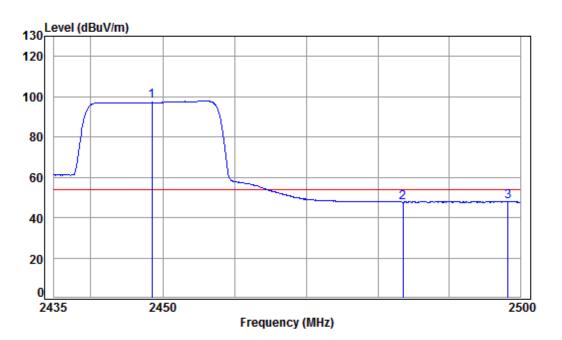
	_										
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	_										_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp :	2448.500	3.38	28.63	0.00	80.54	112.55	74.00	38.55	peak	
2		2483.500	3.41	28.67	0.00	26.58	58.66	74.00	-15.34	peak	
3		2497.170	3.42	28.70	0.00	28.93	61.05	74.00	-12.95	peak	



Report No.: SZEM180500417902

Page: 98 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2448.5MHz; Value: Average



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2448.5 Band edge

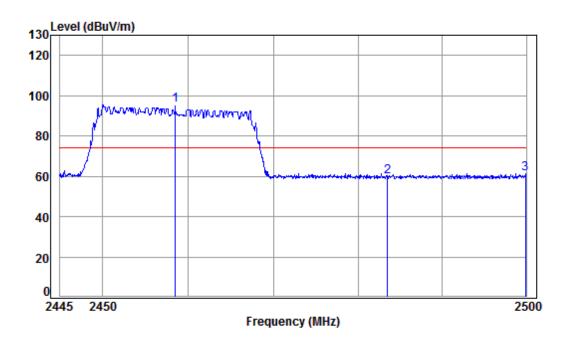
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2448.500	3.38	28.63	0.00	65.78	97.79	54.00	43.79	Average
2	2483.500	3.41	28.67	0.00	15.60	47.68	54.00	-6.32	Average
3	2498.288	3.42	28.70	0.00	15.81	47.93	54.00	-6.07	Average



Report No.: SZEM180500417902

Page: 99 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2458.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2458.5 Band edge

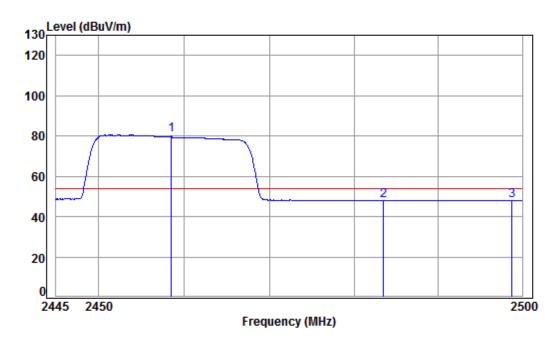
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2458.500	3.38	28.62	0.00	63.48	95.48	74.00	21.48	peak
2	2483.500	3.41	28.67	0.00	27.60	59.68	74.00	-14.32	peak
3	2499.889	3.42	28.70	0.00	29.28	61.40	74.00	-12.60	peak



Report No.: SZEM180500417902

Page: 100 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2458.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2458.5 Band edge

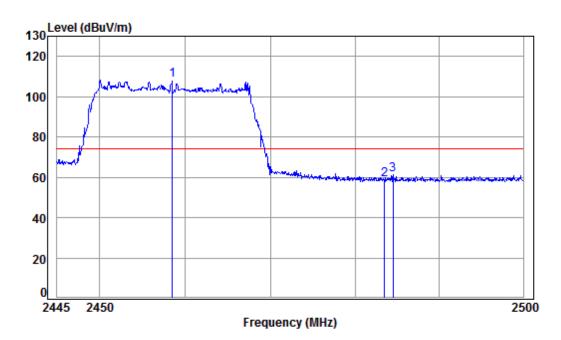
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2458.500	3.38	28.62	0.00	48.36	80.36	54.00	26.36	Average
2	2483.500	3.41	28.67	0.00	15.87	47.95	54.00	-6.05	Average
3	2498.777	3.42	28.70	0.00	15.95	48.07	54.00	-5.93	Average



Report No.: SZEM180500417902

Page: 101 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2458.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2458.5 Band edge

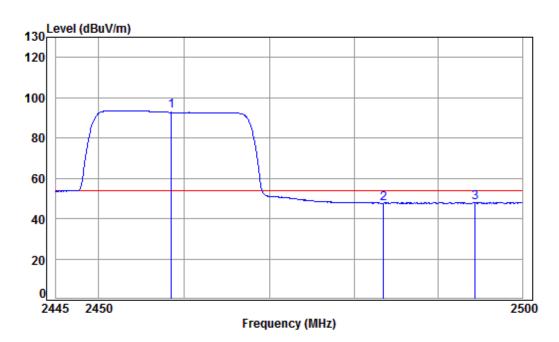
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2458.500	3.38	28.62	0.00	76.13	108.13	74.00	34.13	peak
	2483.500								•
	2484.477								•



Report No.: SZEM180500417902

Page: 102 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2458.5MHz; Value: Average



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2458.5 Band edge

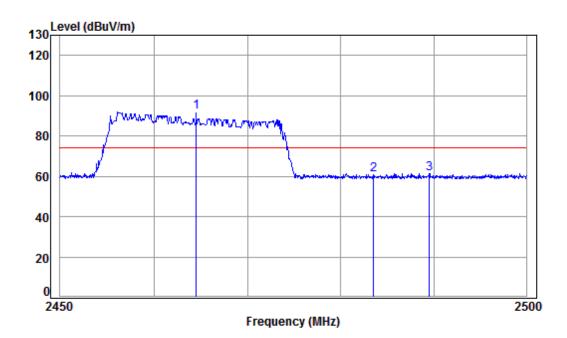
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2458.500	3.38	28.62	0.00	61.56	93.56	54.00	39.56	Average
2	2483.500	3.41	28.67	0.00	15.61	47.69	54.00	-6.31	Average
3	2494.389	3.42	28.69	0.00	15.82	47.93	54.00	-6.07	Average



Report No.: SZEM180500417902

Page: 103 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2464.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2464.5 Band edge

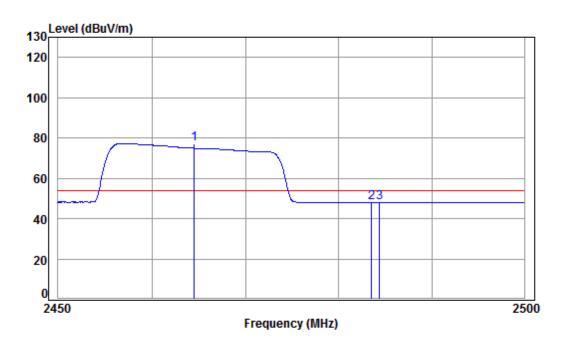
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 p	p 2464.500	3.38	28.63	0.00	59.73	91.74	74.00	17.74	peak	
2	2483.500	3.41	28.67	0.00	28.89	60.97	74.00	-13.03	peak	
3	2489.517	3.41	28.68	0.00	29.23	61.32	74.00	-12.68	peak	



Report No.: SZEM180500417902

Page: 104 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2464.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2464.5 Band edge

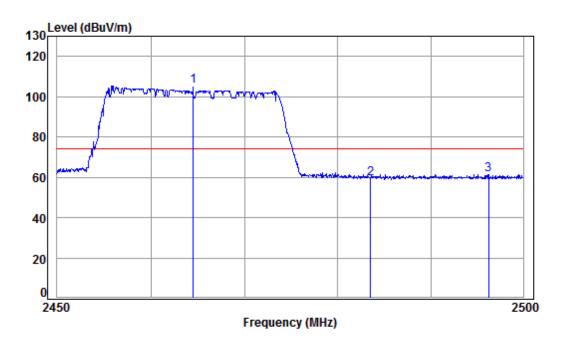
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2464.500	3.38	28.63	0.00	45.13	77.14	54.00	23.14	Average
2	2483.500	3.41	28.67	0.00	15.72	47.80	54.00	-6.20	Average
3	2484.342	3.41	28.67	0.00	16.00	48.08	54.00	-5.92	Average



Report No.: SZEM180500417902

Page: 105 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2464.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2464.5 Band edge

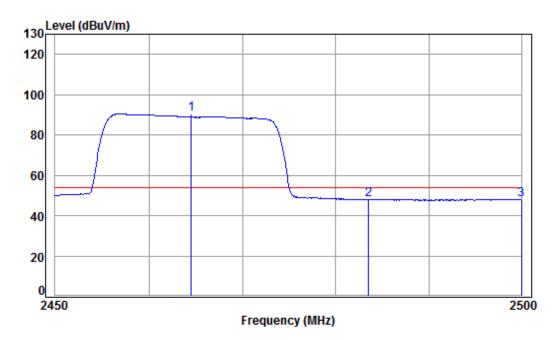
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2464.500	3.38	28.63	0.00	73.46	105.47	74.00	31.47	peak
	2483.500								•
3	2496.215	3.42	28.69	0.00	29.42	61.53	74.00	-12.47	peak



Report No.: SZEM180500417902

Page: 106 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2464.5MHz; Value: Average



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2464.5 Band edge

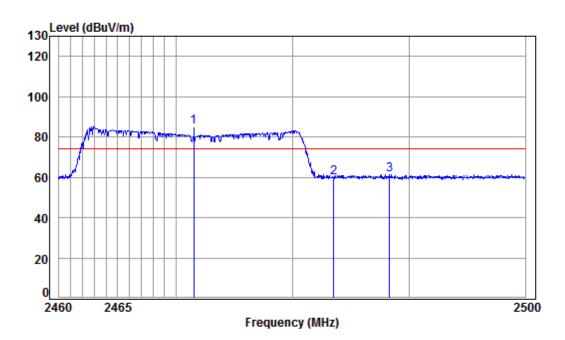
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	2464.500	3.38	28.63	0.00	58.36	90.37	54.00	36.37	Average
2	2483.500	3.41	28.67	0.00	15.77	47.85	54.00	-6.15	Average
3	2500.000	3.42	28.70	0.00	15.89	48.01	54.00	-5.99	Average



Report No.: SZEM180500417902

Page: 107 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2471.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2471.5 Band edge

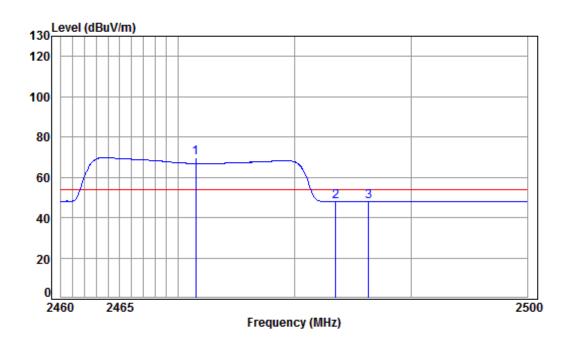
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.64	0.00	53.08	85.11	74.00	11.11	peak
2	2483.500	3.41	28.67	0.00	27.96	60.04	74.00	-13.96	peak
3	2488.293	3.41	28.68	0.00	29.45	61.54	74.00	-12.46	peak



Report No.: SZEM180500417902

Page: 108 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2471.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2471.5 Band edge

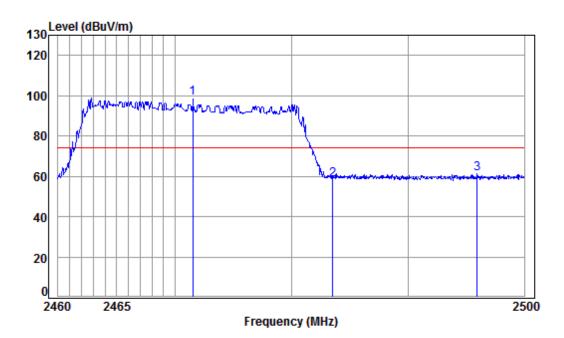
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.64	0.00	37.68	69.71	54.00	15.71	Average
	2483.500								_
3	2486.328	3.41	28.68	0.00	15.99	48.08	54.00	-5.92	Average



Report No.: SZEM180500417902

Page: 109 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2471.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2471.5 Band edge

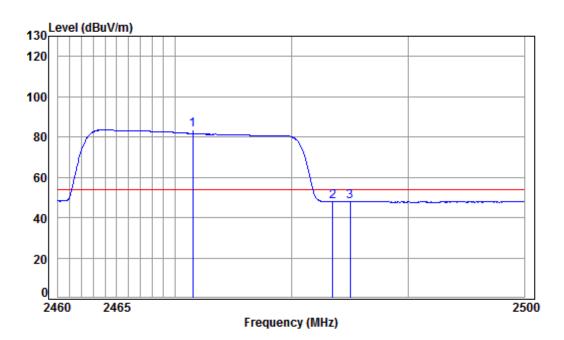
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.64	0.00	66.62	98.65	74.00	24.65	peak
2	2483.500	3.41	28.67	0.00	26.49	58.57	74.00	-15.43	peak
3	2495.931	3.42	28.69	0.00	29.37	61.48	74.00	-12.52	peak



Report No.: SZEM180500417902

110 of 202 Page:

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2471.5MHz; Value: Average



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2471.5 Band edge

: L1P 20M ANT1 Note

3

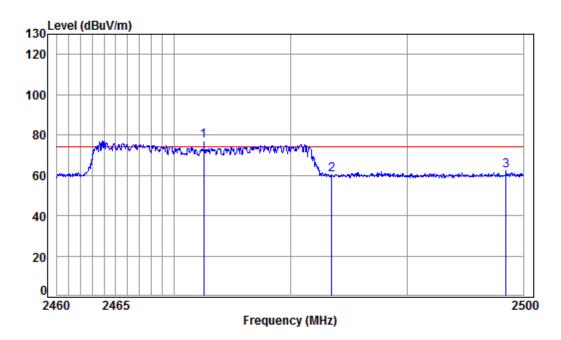
Cable Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark dB MHz dBuV dBuV/m dBuV/m dB dB dB/m 1 pp 2471.500 3.39 28.64 0.00 51.51 83.54 54.00 29.54 Average 0.00 15.83 -6.09 Average 2483.500 3.41 28.67 47.91 54.00 2485.004 3.41 28.68 0.00 16.00 48.09 54.00 -5.91 Average



Report No.: SZEM180500417902

Page: 111 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2472.5MHz; Value:Peak



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2472.5 Band edge

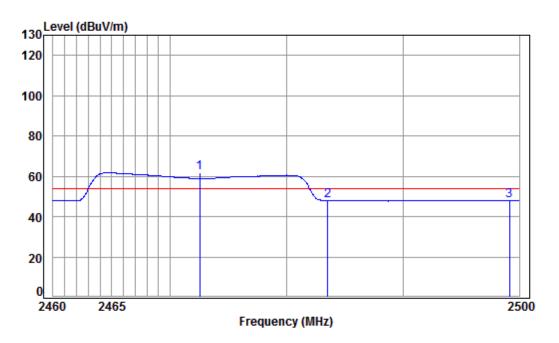
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2472.500	3.39	28.64	0.00	45.10	77.13	74.00	3.13	peak
2	2483.500	3.41	28.67	0.00	28.21	60.29	74.00	-13.71	peak
3	2498.509	3.42	28.70	0.00	29.97	62.09	74.00	-11.91	peak



Report No.: SZEM180500417902

Page: 112 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2472.5MHz; Value:Average



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2472.5 Band edge

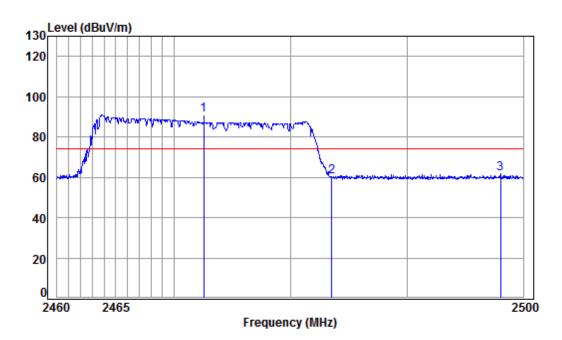
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2472.500	3.39	28.64	0.00	29.76	61.79	54.00	7.79	Average
2	2483.500	3.41	28.67	0.00	15.87	47.95	54.00	-6.05	Average
3	2499.153	3.42	28.70	0.00	15.91	48.03	54.00	-5.97	Average



Report No.: SZEM180500417902

Page: 113 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2472.5MHz; Value: Peak



Condition: 3m VERTICAL Job No : 04179CR

Mode : 2472.5 Band edge

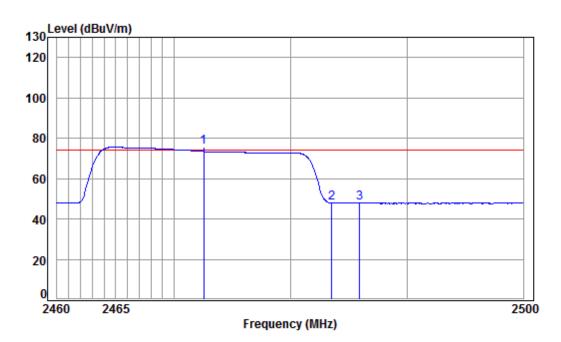
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2472.500	3.39	28.64	0.00	58.70	90.73	74.00	16.73	peak
2	2483.500	3.41	28.67	0.00	28.33	60.41	74.00	-13.59	peak
3	2498.025	3.42	28.70	0.00	29.42	61.54	74.00	-12.46	peak



Report No.: SZEM180500417902

Page: 114 of 202

Mode:a; Polarization: Vertical; Bandwidth: 20MHz; Channel: 2472.5MHz; Value: Average



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2472.5 Band edge

		2011								
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
op 24	472.500	3.39	28.64	0.00	43.55	75.58	74.00	1.58	Average	
24	483.500	3.41	28.67	0.00	15.90	47.98	74.00	-26.02	Average	
24	485.886	3.41	28.68	0.00	15.89	47.98	74.00	-26.02	Average	
	24	MHz pp 2472.500 2483.500	Freq Loss MHz dB op 2472.500 3.39 2483.500 3.41	Freq Loss Factor MHz dB dB/m op 2472.500 3.39 28.64 2483.500 3.41 28.67	Freq Loss Factor Factor MHz dB dB/m dB op 2472.500 3.39 28.64 0.00 2483.500 3.41 28.67 0.00	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV op 2472.500 3.39 28.64 0.00 43.55 2483.500 3.41 28.67 0.00 15.90	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m op 2472.500 3.39 28.64 0.00 43.55 75.58 2483.500 3.41 28.67 0.00 15.90 47.98	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m op 2472.500 3.39 28.64 0.00 43.55 75.58 74.00 2483.500 3.41 28.67 0.00 15.90 47.98 74.00	MHz dB dB/m dB dBuV dBuV/m dBuV/m dB op 2472.500 3.39 28.64 0.00 43.55 75.58 74.00 1.58 2483.500 3.41 28.67 0.00 15.90 47.98 74.00 -26.02	Freq Loss Factor Factor Level Level Line Limit Remark



Report No.: SZEM180500417902

Page: 115 of 202

7.8 Radiated Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209; RSS-247 Section 3.3 & RSS-

Gen Section 8.9

Test Method: ANSI C63.10 (2013) Section 6.4,6.5,6.6

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)			
0.009-0.490	2400/F(kHz)	300			
0.490-1.705	24000/F(kHz)	30			
1.705-30.0	30	30			
30-88	100	3			
88-216	150	3			
216-960	200	3			
Above 960	500	3			

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



Report No.: SZEM180500417902

Page: 116 of 202

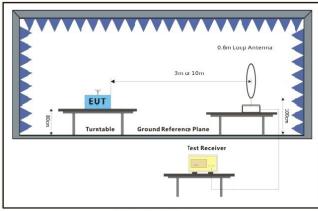
7.8.1 E.U.T. Operation

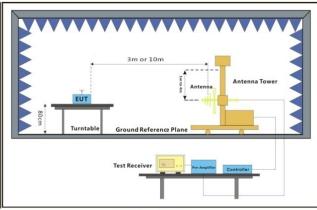
Operating Environment:

Temperature: 26.3 °C Humidity: 53.8 % RH Atmospheric Pressure: 1015 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

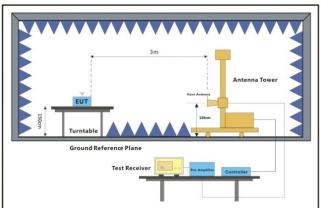
7.8.2 Test Setup Diagram





Below 30MHz

30MHz-1GHz



Above 1GHz



Report No.: SZEM180500417902

Page: 117 of 202

7.8.3 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel @1.4MHz BW mode. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

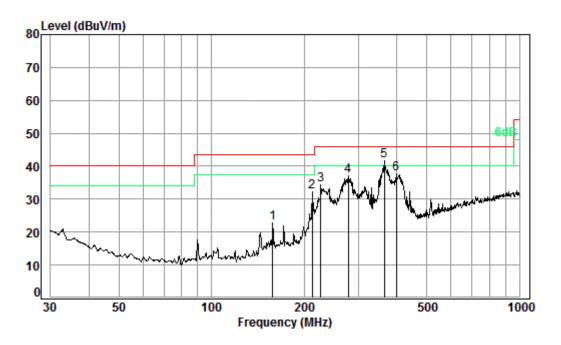
- 3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



Report No.: SZEM180500417902

Page: 118 of 202

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2403.5MHz;



Condition: 3m HORIZONTAL

Job No. : 04179CR

Test mode: a

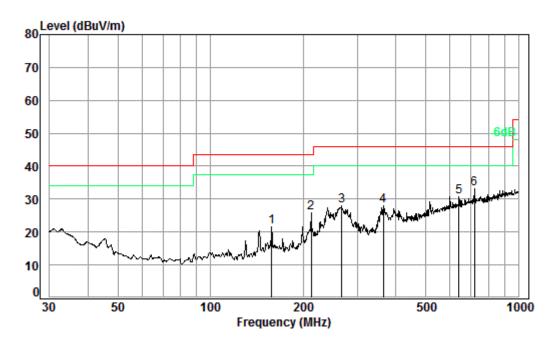
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
_									
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	158.11	1.33	15.34	27.52	33.59	22.74	43.50	-20.76	
2	212.27	1.47	16.94	27.53	41.41	32.29	43.50	-11.21	
3	226.10	1.55	17.70	27.53	42.50	34.22	46.00	-11.78	
4	278.07	1.81	18.83	27.54	43.87	36.97	46.00	-9.03	
5 pp	364.26	2.10	21.49	27.67	45.65	41.57	46.00	-4.43	
6	399.03	2.20	22.38	27.73	40.98	37.83	46.00	-8.17	



Report No.: SZEM180500417902

Page: 119 of 202

Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2403.5MHz;



Condition: 3m VERTICAL Job No. : 04179CR

Test mode: a

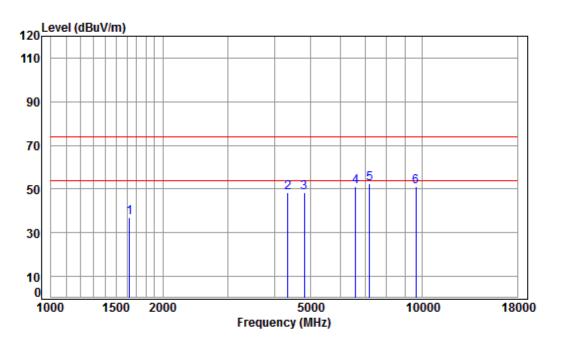
	mouc. a								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	158.11	1.33	15.34	27.52	32.42	21.57	43.50	-21.93	
2	212.27								
3	266.61	1.75	19.00	27.54	34.78	27.99	46.00	-18.01	
4	364.26	2.10	21.49	27.67	32.06	27.98	46.00	-18.02	
5	640.61	2.79	27.15	27.64	28.35	30.65	46.00	-15.35	
6 pp	719.20	2.96	28.02	27.52	29.72	33.18	46.00	-12.82	



Report No.: SZEM180500417902

Page: 120 of 202

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2403.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2403.5 TX RSE

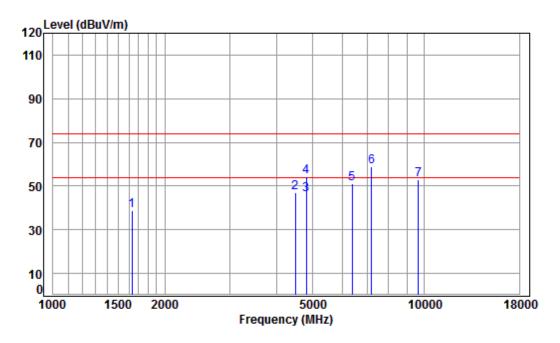
Dτ	e	: 1.4	M ANII							
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	_									
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1625.121	5.32	26.36	41.49	46.73	36.92	74.00	-37.08	peak
2		4341.886	7.38	33.33	42.39	50.07	48.39	74.00	-25.61	peak
3		4806.000	7.89	33.97	42.47	49.13	48.52	74.00	-25.48	peak
4		6602.265	11.24	35.66	41.14	45.52	51.28	74.00	-22.72	peak
5	pp	7209.000	10.07	36.07	40.71	46.93	52.36	74.00	-21.64	peak
6		9612.000	10.75	37.67	37.73	40.50	51.19	74.00	-22.81	neak



Report No.: SZEM180500417902

Page: 121 of 202

Mode:a; Polarization: Vertical; Bandwidth: 1.4MHz; Channel: 2403.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2403.5 TX RSE

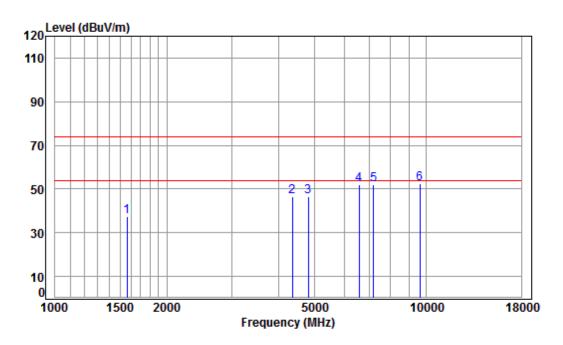
OLG		. 1.4	1 AIVIT							
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	_									
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1629.825	5.31	26.38	41.49	48.59	38.79	74.00	-35.21	peak
2		4495.125	7.55	33.59	42.42	48.44	47.16	74.00	-26.84	peak
3	pp	4807.000	7.89	33.98	42.47	46.53	45.93	54.00	-8.07	Average
4		4807.000	7.89	33.98	42.47	54.83	54.23	74.00	-19.77	peak
5		6377.195	11.31	35.48	41.31	45.81	51.29	74.00	-22.71	peak
6	pk	7210.500	10.07	36.07	40.71	53.56	58.99	74.00	-15.01	peak
7		9614.000	10.75	37.67	37.73	42.07	52.76	74.00	-21.24	peak



Report No.: SZEM180500417902

Page: 122 of 202

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2441.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2441.5 TX RSE

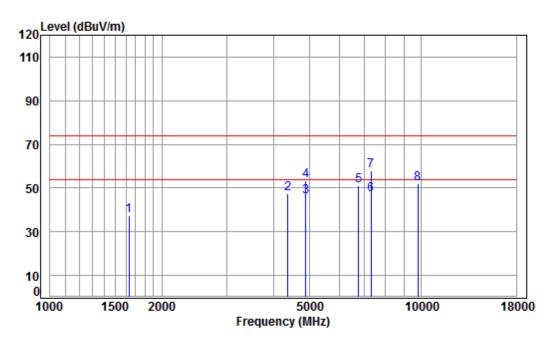
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1		1565.191	5.39	26.10	41.45	47.44	37.48	74.00	-36.52	peak	
2		4354.454	7.40	33.35	42.39	48.35	46.71	74.00	-27.29	peak	
3		4806.000	7.89	33.97	42.47	47.35	46.74	74.00	-27.26	peak	
4		6583.209	11.30	35.65	41.15	46.24	52.04	74.00	-21.96	peak	
5		7209.000	10.07	36.07	40.71	46.64	52.07	74.00	-21.93	peak	
6	pp	9612.000	10.75	37.67	37.73	41.78	52.47	74.00	-21.53	peak	



Report No.: SZEM180500417902

Page: 123 of 202

Mode:a; Polarization: Vertical; Bandwidth: 1.4MHz; Channel: 2441.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2441.5 TX RSE

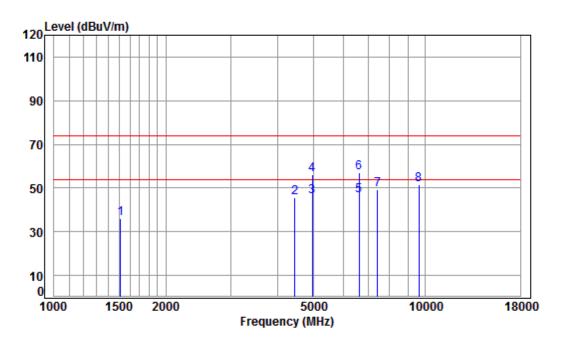
. 1.4	LI MINIT							
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1629.825	5.31	26.38	41.49	46.99	37.19	74.00	-36.81	peak
4367.058	7.41	33.37	42.39	49.23	47.62	74.00	-26.38	peak
4883.000	7.97	34.07	42.48	46.64	46.20	54.00	-7.80	Average
4883.000	7.97	34.07	42.48	53.89	53.45	74.00	-20.55	peak
6776.265	10.75	35.77	41.01	45.60	51.11	74.00	-22.89	peak
7324.500	10.04	36.16	40.63	41.33	46.90	54.00	-7.10	Average
7324.500	10.04	36.16	40.63	52.20	57.77	74.00	-16.23	peak
9766.000	10.82	37.76	37.52	41.01	52.07	74.00	-21.93	peak
	Freq MHz 1629.825 4367.058 4883.000 4883.000 6776.265 7324.500 7324.500	Cable Loss MHz dB 1629.825 5.31 4367.058 7.41 4883.000 7.97 4883.000 7.97 6776.265 10.75 0 7324.500 10.04 0 7324.500 10.04	Freq Loss Factor MHz dB dB/m 1629.825 5.31 26.38 4367.058 7.41 33.37 4883.000 7.97 34.07 4883.000 7.97 34.07 6776.265 10.75 35.77 0 7324.500 10.04 36.16 37324.500 10.04 36.16	Cable Ant Preamp Loss Factor Factor MHz dB dB/m dB 1629.825 5.31 26.38 41.49 4367.058 7.41 33.37 42.39 4883.000 7.97 34.07 42.48 4883.000 7.97 34.07 42.48 6776.265 10.75 35.77 41.01 0 7324.500 10.04 36.16 40.63 0 7324.500 10.04 36.16 40.63	Cable Loss Factor Factor Read Level MHz dB dB/m dB dBuV 1629.825 5.31 26.38 41.49 46.99 4367.058 7.41 33.37 42.39 49.23 4883.000 7.97 34.07 42.48 46.64 4883.000 7.97 34.07 42.48 53.89 6776.265 10.75 35.77 41.01 45.60 0 7324.500 10.04 36.16 40.63 41.33 4 7324.500 10.04 36.16 40.63 52.20	Cable Ant Preamp Read Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1629.825 5.31 26.38 41.49 46.99 37.19 4367.058 7.41 33.37 42.39 49.23 47.62 4883.000 7.97 34.07 42.48 46.64 46.20 4883.000 7.97 34.07 42.48 53.89 53.45 6776.265 10.75 35.77 41.01 45.60 51.11 0 7324.500 10.04 36.16 40.63 41.33 46.90 0 7324.500 10.04 36.16 40.63 52.20 57.77	Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1629.825 5.31 26.38 41.49 46.99 37.19 74.00 4367.058 7.41 33.37 42.39 49.23 47.62 74.00 4883.000 7.97 34.07 42.48 46.64 46.20 54.00 4883.000 7.97 34.07 42.48 53.89 53.45 74.00 6776.265 10.75 35.77 41.01 45.60 51.11 74.00 7324.500 10.04 36.16 40.63 41.33 46.90 54.00 7324.500 10.04 36.16 40.63 52.20 57.77 74.00	Cable Ant Preamp Read Limit Over Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dBuV/m dB 1629.825 5.31 26.38 41.49 46.99 37.19 74.00 -36.81 4367.058 7.41 33.37 42.39 49.23 47.62 74.00 -26.38 4883.000 7.97 34.07 42.48 46.64 46.20 54.00 -7.80 4883.000 7.97 34.07 42.48 53.89 53.45 74.00 -20.55 6776.265 10.75 35.77 41.01 45.60 51.11 74.00 -22.89 9 7324.500 10.04 36.16 40.63 41.33 46.90 54.00 -7.10 6 7324.500 10.04 36.16 40.63 52.20 57.77 74.00 -16.23



Report No.: SZEM180500417902

Page: 124 of 202

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2477.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2477.5 TX RSE

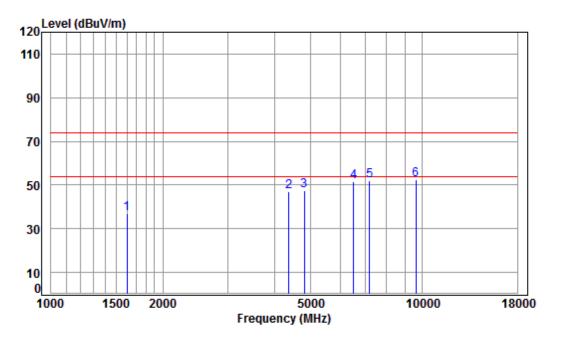
oce	. 1.4	LI MINIT							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1511.833	5.46	25.85	41.41	45.99	35.89	74.00	-38.11	peak
2	4456.315	7.51	33.53	42.41	46.97	45.60	74.00	-28.40	peak
3	4955.000	8.04	34.15	42.49	46.29	45.99	54.00	-8.01	Average
4	4955.000	8.04	34.15	42.49	56.64	56.34	74.00	-17.66	peak
5 pp	6621.375	11.19	35.67	41.13	40.87	46.60	54.00	-7.40	Average
6 pk	6621.375	11.19	35.67	41.13	51.34	57.07	74.00	-16.93	peak
7	7432.500	10.02	36.25	40.56	43.71	49.42	74.00	-24.58	peak
8	9610.000	10.75	37.67	37.73	41.08	51.77	74.00	-22.23	peak



Report No.: SZEM180500417902

Page: 125 of 202

Mode:a; Polarization: Vertical; Bandwidth: 1.4MHz; Channel: 2477.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2477.5 TX RSE

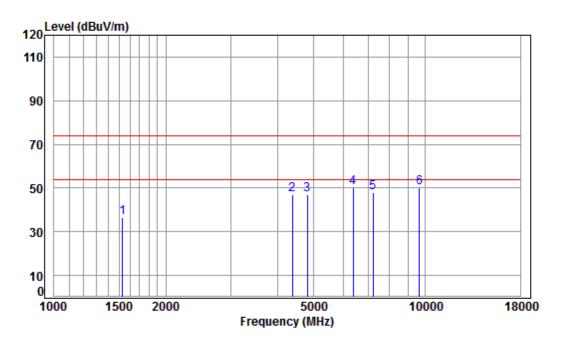
~~	_									
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	_									
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1601.804	E 2E	26 26	41 47	47 OF	27 10	74 00	26 01	noole
1		1001.004	5.55	20.20	41.4/	47.05	37.19	74.00	-30.01	peak
2		4367.058	7.41	33.37	42.39	48.67	47.06	74.00	-26.94	peak
3		4806.000	7.89	33.97	42.47	47.87	47.26	74.00	-26.74	peak
4		6526.373	11.46	35.62	41.20	45.86	51.74	74.00	-22.26	peak
5		7209.000	10.07	36.07	40.71	46.52	51.95	74.00	-22.05	peak
6	pp	9612.000	10.75	37.67	37.73	41.72	52.41	74.00	-21.59	peak



Report No.: SZEM180500417902

Page: 126 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2405.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2405.5 TX RSE

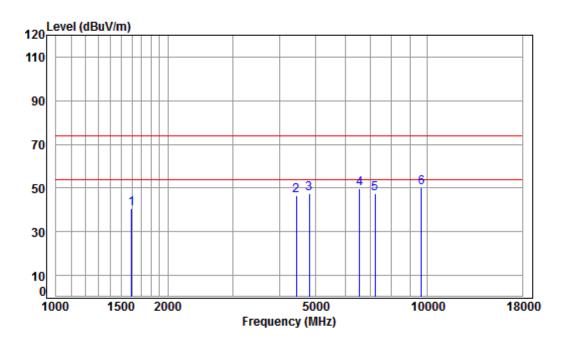
	. 10	7.11.1.1							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1529.414	5.44	25.94	41.43	46.75	36.70	74.00	-37.30	peak
2	4379.699	7.43	33.39	42.40	48.66	47.08	74.00	-26.92	peak
3	4811.000	7.90	33.98	42.47	47.47	46.88	74.00	-27.12	peak
4 p	p 6395.654	11.34	35.50	41.30	44.65	50.19	74.00	-23.81	peak
5	7216.500	10.07	36.08	40.70	42.48	47.93	74.00	-26.07	peak
6	9622.000	10.75	37.67	37.72	39.34	50.04	74.00	-23.96	peak



Report No.: SZEM180500417902

Page: 127 of 202

Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2405.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2405.5 TX RSE

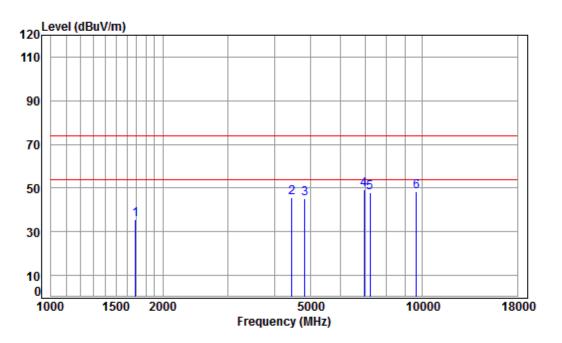
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1597.181	5.35	26.24	41.47	50.31	40.43	74.00	-33.57	peak
2	4430.628	7.48	33.48	42.41	48.19	46.74	74.00	-27.26	peak
3	4811.000	7.90	33.98	42.47	48.26	47.67	74.00	-26.33	peak
4	6564.209	11.35	35.64	41.17	43.97	49.79	74.00	-24.21	peak
5	7216.500	10.07	36.08	40.70	42.00	47.45	74.00	-26.55	peak
6	pp 9622.000	10.75	37.67	37.72	39.33	50.03	74.00	-23.97	peak



Report No.: SZEM180500417902

Page: 128 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2409.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2409.5 TX RSE

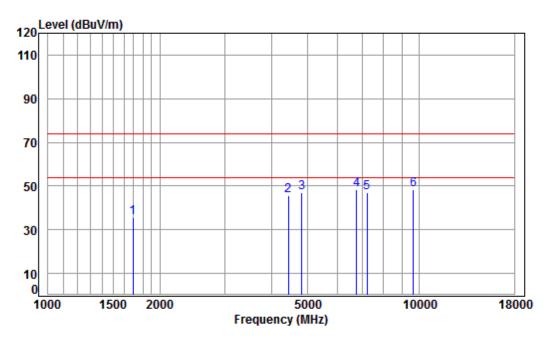
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1687.347	5.24	26.62	41.52	45.13	35.47	74.00	-38.53	peak
2	4456.315	7.51	33.53	42.41	46.94	45.57	74.00	-28.43	peak
3	4819.000	7.90	33.99	42.47	45.79	45.21	74.00	-28.79	peak
4 p	p 6954.852	10.25	35.87	40.89	43.95	49.18	74.00	-24.82	peak
5	7228.500	10.07	36.09	40.70	42.53	47.99	74.00	-26.01	peak
6	9638.000	10.76	37.68	37.70	37.51	48.25	74.00	-25.75	peak



Report No.: SZEM180500417902

Page: 129 of 202

Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2409.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2409.5 TX RSE

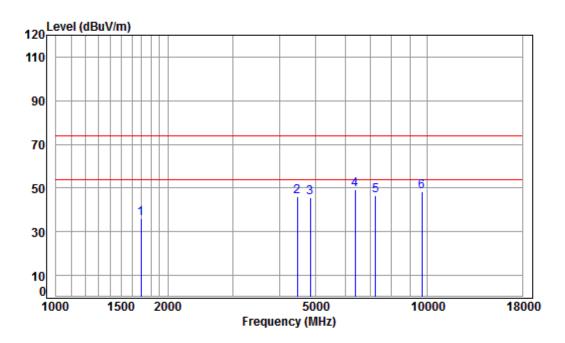
ote	: 10M	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1692.231	5.24	26.64	41.53	45.40	35.75	74.00	-38.25	peak
2	4443.453	7.50	33.50	42.41	47.14	45.73	74.00	-28.27	peak
3	4819.000	7.90	33.99	42.47	47.39	46.81	74.00	-27.19	peak
4	6776.265	10.75	35.77	41.01	42.83	48.34	74.00	-25.66	peak
5	7228.500	10.07	36.09	40.70	41.48	46.94	74.00	-27.06	peak
6 n	n 9638.000	10.76	37.68	37.70	37.68	48.42	74.00	-25.58	neak



Report No.: SZEM180500417902

Page: 130 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2417.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2417.5 TX RSE

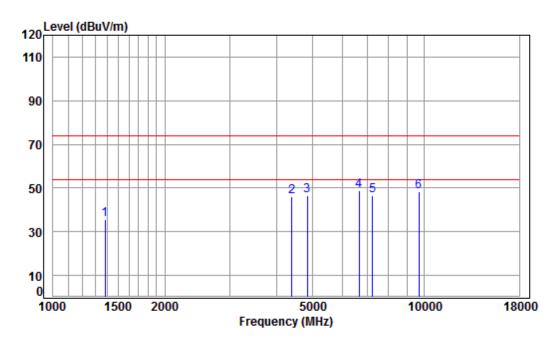
	. 20								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
_	4500 004			44 53		25.04	74.00	20.46	
1	1692.231	5.24	26.64	41.53	45.49	35.84	/4.00	-38.16	peak
2	4469.214	7.53	33.55	42.41	47.63	46.30	74.00	-27.70	peak
3	4835.000	7.92	34.01	42.47	46.13	45.59	74.00	-28.41	peak
4 p	p 6395.654	11.34	35.50	41.30	43.66	49.20	74.00	-24.80	peak
5	7252.500	10.06	36.11	40.68	41.27	46.76	74.00	-27.24	peak
6	9670.000	10.78	37.70	37.65	37.32	48.15	74.00	-25.85	peak



Report No.: SZEM180500417902

Page: 131 of 202

Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2417.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2417.5 TX RSE

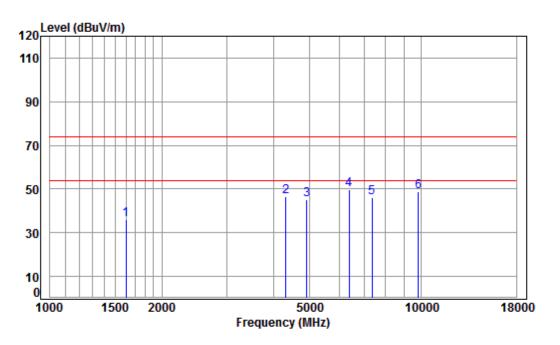
000	. 1011	AIVI I							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1382.262	5.09	25.36	41.32	46.32	35.45	74.00	-38.55	peak
2	4392.376	7.44	33.42	42.40	47.59	46.05	74.00	-27.95	peak
3	4835.000	7.92	34.01	42.47	46.88	46.34	74.00	-27.66	peak
4 p	p 6659.763	11.08	35.70	41.10	43.32	49.00	74.00	-25.00	peak
5	7252.500	10.06	36.11	40.68	40.90	46.39	74.00	-27.61	peak
6	9670.000	10.78	37.70	37.65	37.33	48.16	74.00	-25.84	peak



Report No.: SZEM180500417902

Page: 132 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2455.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2455.5 TX RSE

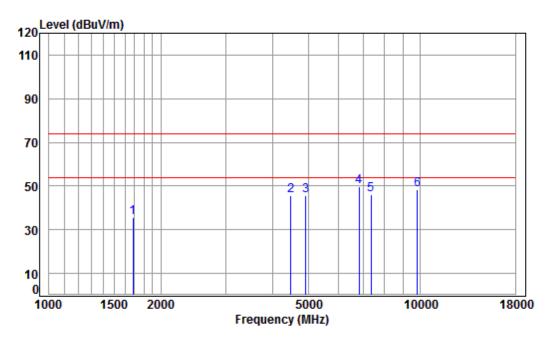
. 10								
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1601.804	5.35	26.26	41.47	45.70	35.84	74.00	-38.16	peak
4316.859	7.36	33.28	42.38	48.14	46.40	74.00	-27.60	peak
4911.000	8.00	34.10	42.49	45.35	44.96	74.00	-29.04	peak
6377.195	11.31	35.48	41.31	44.16	49.64	74.00	-24.36	peak
7366.500	10.03	36.20	40.60	40.37	46.00	74.00	-28.00	peak
9822.000	10.85	37.79	37.44	37.64	48.84	74.00	-25.16	peak
	MHz 1601.804 4316.859 4911.000 6377.195 7366.500	Freq Loss MHz dB 1601.804 5.35 4316.859 7.36 4911.000 8.00 6377.195 11.31 7366.500 10.03	Freq Loss Factor MHz dB dB/m 1601.804 5.35 26.26 4316.859 7.36 33.28 4911.000 8.00 34.10 6377.195 11.31 35.48 7366.500 10.03 36.20	Freq Loss Factor Factor MHz dB dB/m dB 1601.804 5.35 26.26 41.47 4316.859 7.36 33.28 42.38 4911.000 8.00 34.10 42.49 6377.195 11.31 35.48 41.31 7366.500 10.03 36.20 40.60	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1601.804 5.35 26.26 41.47 45.70 4316.859 7.36 33.28 42.38 48.14 4911.000 8.00 34.10 42.49 45.35 6377.195 11.31 35.48 41.31 44.16 7366.500 10.03 36.20 40.60 40.37	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1601.804 5.35 26.26 41.47 45.70 35.84 4316.859 7.36 33.28 42.38 48.14 46.40 4911.000 8.00 34.10 42.49 45.35 44.96 6377.195 11.31 35.48 41.31 44.16 49.64 7366.500 10.03 36.20 40.60 40.37 46.00	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1601.804 5.35 26.26 41.47 45.70 35.84 74.00 4316.859 7.36 33.28 42.38 48.14 46.40 74.00 4911.000 8.00 34.10 42.49 45.35 44.96 74.00 6377.195 11.31 35.48 41.31 44.16 49.64 74.00 7366.500 10.03 36.20 40.60 40.37 46.00 74.00	Cable Ant Preamp Read Limit Over Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dB 1601.804 5.35 26.26 41.47 45.70 35.84 74.00 -38.16 4316.859 7.36 33.28 42.38 48.14 46.40 74.00 -27.60 4911.000 8.00 34.10 42.49 45.35 44.96 74.00 -29.04 6377.195 11.31 35.48 41.31 44.16 49.64 74.00 -24.36 7366.500 10.03 36.20 40.60 40.37 46.00 74.00 -28.00 9822.000 10.85 37.79 37.44 37.64 48.84 74.00 -25.16



Report No.: SZEM180500417902

Page: 133 of 202

Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2455.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2455.5 TX RSE

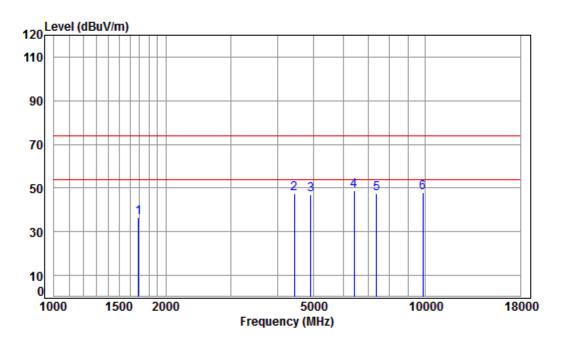
. 1011	/ III							
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1682.477	5.25	26.60	41.52	45.33	35.66	74.00	-38.34	peak
4482.150	7.54	33.57	42.41	47.06	45.76	74.00	-28.24	peak
4911.000	8.00	34.10	42.49	45.80	45.41	74.00	-28.59	peak
6835.278	10.58	35.80	40.97	44.14	49.55	74.00	-24.45	peak
7366.500	10.03	36.20	40.60	40.61	46.24	74.00	-27.76	peak
9822.000	10.85	37.79	37.44	37.11	48.31	74.00	-25.69	peak
	MHz 1682.477 4482.150 4911.000 6835.278 7366.500	Freq Loss MHz dB 1682.477 5.25 4482.150 7.54 4911.000 8.00 6835.278 10.58 7366.500 10.03	Freq Loss Factor MHz dB dB/m 1682.477 5.25 26.60 4482.150 7.54 33.57 4911.000 8.00 34.10 6835.278 10.58 35.80 7366.500 10.03 36.20	Freq Loss Factor Factor MHz dB dB/m dB 1682.477 5.25 26.60 41.52 4482.150 7.54 33.57 42.41 4911.000 8.00 34.10 42.49 6835.278 10.58 35.80 40.97 7366.500 10.03 36.20 40.60	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1682.477 5.25 26.60 41.52 45.33 4482.150 7.54 33.57 42.41 47.06 4911.000 8.00 34.10 42.49 45.80 6835.278 10.58 35.80 40.97 44.14 7366.500 10.03 36.20 40.60 40.61	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1682.477 5.25 26.60 41.52 45.33 35.66 4482.150 7.54 33.57 42.41 47.06 45.76 4911.000 8.00 34.10 42.49 45.80 45.41 6835.278 10.58 35.80 40.97 44.14 49.55 7366.500 10.03 36.20 40.60 40.61 46.24	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1682.477 5.25 26.60 41.52 45.33 35.66 74.00 4482.150 7.54 33.57 42.41 47.06 45.76 74.00 4911.000 8.00 34.10 42.49 45.80 45.41 74.00 6835.278 10.58 35.80 40.97 44.14 49.55 74.00 7366.500 10.03 36.20 40.60 40.61 46.24 74.00	Cable Ant Preamp Read Limit Over Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dB 1682.477 5.25 26.60 41.52 45.33 35.66 74.00 -38.34 4482.150 7.54 33.57 42.41 47.06 45.76 74.00 -28.24 4911.000 8.00 34.10 42.49 45.80 45.41 74.00 -28.59 6835.278 10.58 35.80 40.97 44.14 49.55 74.00 -24.45 7366.500 10.03 36.20 40.60 40.61 46.24 74.00 -27.76 9822.000 10.85 37.79 37.44 37.11 48.31 74.00 -25.69



Report No.: SZEM180500417902

Page: 134 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2459.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2459.5 TX RSE

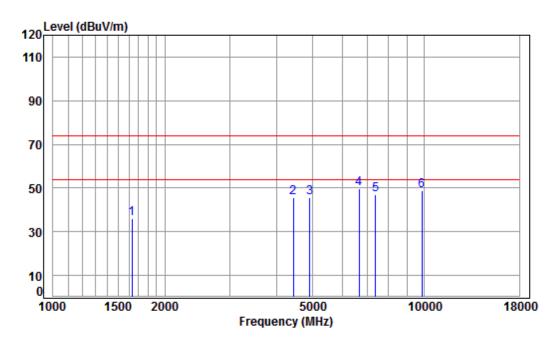
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	_									
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1687.347	5.24	26.62	41.52	46.36	36.70	74.00	-37.30	peak
2		4430.628	7.48	33.48	42.41	48.74	47.29	74.00	-26.71	peak
3		4919.000	8.01	34.11	42.49	47.28	46.91	74.00	-27.09	peak
4	рр	6432.732	11.41	35.54	41.27	43.37	49.05	74.00	-24.95	peak
5		7378.500	10.03	36.21	40.60	41.90	47.54	74.00	-26.46	peak
6		9838.000	10.86	37.80	37.42	36.77	48.01	74.00	-25.99	peak



Report No.: SZEM180500417902

Page: 135 of 202

Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2459.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2459.5 TX RSE

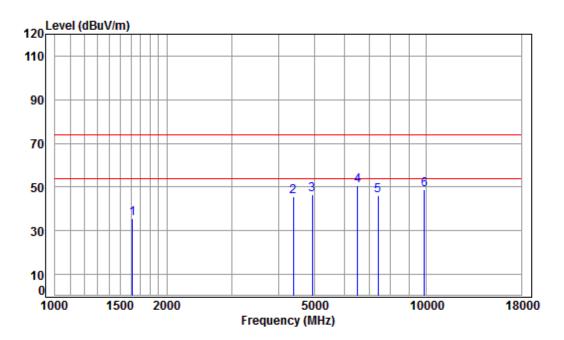
ote	: 10M	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1634.543	5.31	26.40	41.49	45.68	35.90	74.00	-38.10	peak
2	4430.628	7.48	33.48	42.41	47.01	45.56	74.00	-28.44	peak
3	4919.000	8.01	34.11	42.49	46.08	45.71	74.00	-28.29	peak
4 pp	6659.763	11.08	35.70	41.10	43.95	49.63	74.00	-24.37	peak
5	7378.500	10.03	36.21	40.60	41.46	47.10	74.00	-26.90	peak
6	9838.000	10.86	37.80	37.42	37.61	48.85	74.00	-25.15	neak



Report No.: SZEM180500417902

Page: 136 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2467.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2467.5 TX RSE

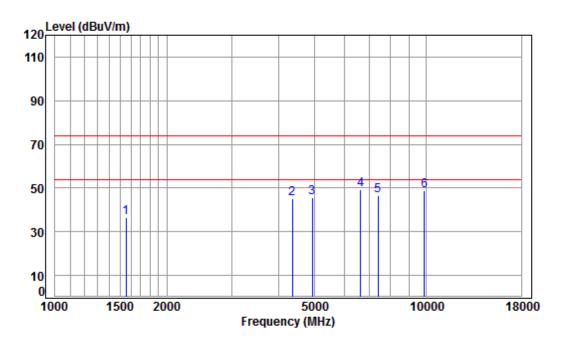
ote	: 10M	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1615.754	5.33	26.32	41.48	45.49	35.66	74.00	-38.34	peak
2	4379.699	7.43	33.39	42.40	47.01	45.43	74.00	-28.57	peak
3	4935.000	8.02	34.13	42.49	46.73	46.39	74.00	-27.61	peak
4 pp	6526.373	11.46	35.62	41.20	44.92	50.80	74.00	-23.20	peak
5	7402.500	10.02	36.22	40.58	40.45	46.11	74.00	-27.89	peak
6	9870.000	10.88	37.82	37.38	37.40	48.72	74.00	-25.28	neak



Report No.: SZEM180500417902

Page: 137 of 202

Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2467.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2467.5 TX RSE

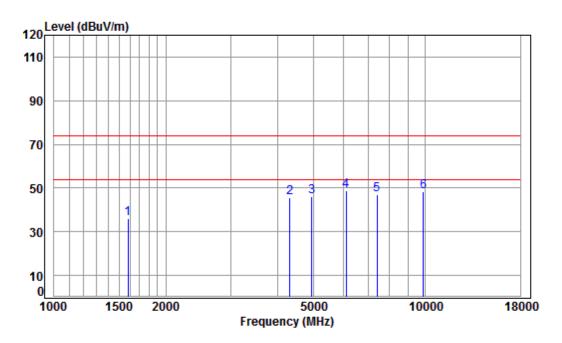
ote	: 10M	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1551.677	5.41	26.04	41.44	46.70	36.71	74.00	-37.29	peak
2	4354.454	7.40	33.35	42.39	46.72	45.08	74.00	-28.92	peak
3	4935.000	8.02	34.13	42.49	46.09	45.75	74.00	-28.25	peak
4 pp	6640.542	11.13	35.69	41.11	43.42	49.13	74.00	-24.87	peak
5	7402.500	10.02	36.22	40.58	40.76	46.42	74.00	-27.58	peak
6	9870.000	10.88	37.82	37.38	37.71	49.03	74.00	-24.97	neak



Report No.: SZEM180500417902

Page: 138 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2469.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2469.5 TX RSE

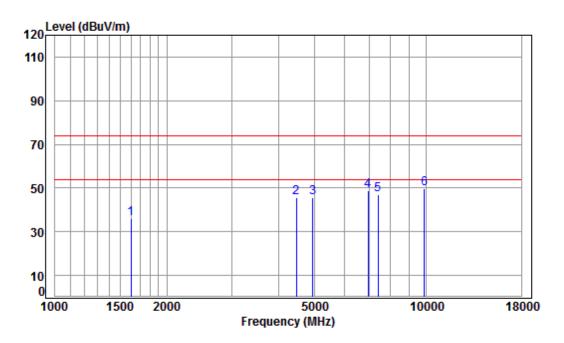
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1583.392	5.37	26.18	41.46	45.75	35.84	74.00	-38.16	peak
2	4316.859	7.36	33.28	42.38	47.16	45.42	74.00	-28.58	peak
3	4939.000	8.03	34.13	42.49	46.39	46.06	74.00	-27.94	peak
4 pp	6106.616	10.78	35.21	41.52	44.24	48.71	74.00	-25.29	peak
5	7408.500	10.02	36.23	40.58	41.28	46.95	74.00	-27.05	peak
6	9878.000	10.88	37.83	37.37	36.85	48.19	74.00	-25.81	peak



Report No.: SZEM180500417902

Page: 139 of 202

Mode:a; Polarization: Vertical; Bandwidth: 10MHz; Channel: 2469.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2469.5 TX RSE

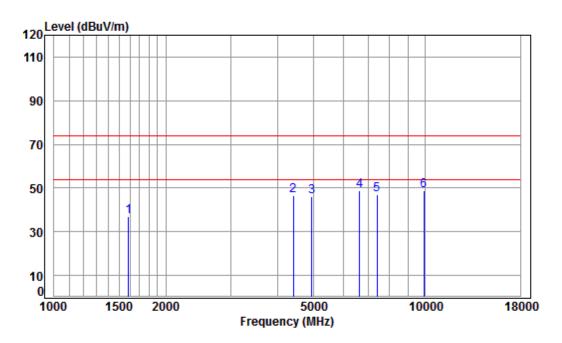
oce	: 1014	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1601.804	5.35	26.26	41.47	46.03	36.17	74.00	-37.83	peak
2	4469.214	7.53	33.55	42.41	46.99	45.66	74.00	-28.34	peak
3	4939.000	8.03	34.13	42.49	45.73	45.40	74.00	-28.60	peak
4	6954.852	10.25	35.87	40.89	43.76	48.99	74.00	-25.01	peak
5	7408.500	10.02	36.23	40.58	41.48	47.15	74.00	-26.85	peak
6 pr	9878.000	10.88	37.83	37.37	38.20	49 54	74 00	-24 46	neak



Report No.: SZEM180500417902

Page: 140 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2471.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2471.5 TX RSE

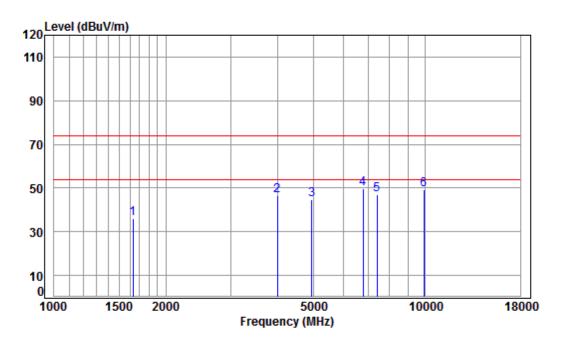
		. 10								
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1587.975	5.37	26.20	41.46	46.85	36.96	74.00	-37.04	peak
2		4405.090	7.46	33.44	42.40	48.17	46.67	74.00	-27.33	peak
3		4943.000	8.03	34.13	42.49	46.29	45.96	74.00	-28.04	peak
4	рр	6640.542	11.13	35.69	41.11	43.03	48.74	74.00	-25.26	peak
5		7414.500	10.02	36.23	40.57	41.45	47.13	74.00	-26.87	peak
6		9886.000	10.88	37.83	37.35	37.37	48.73	74.00	-25.27	peak



Report No.: SZEM180500417902

Page: 141 of 202

Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2471.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2471.5 TX RSE

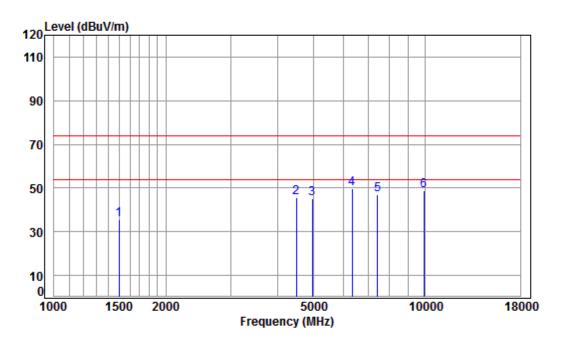
. 1011	/ 11 4 1 2							
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1634.543	5.31	26.40	41.49	45.67	35.89	74.00	-38.11	peak
3992.781	6.97	32.69	42.32	49.31	46.65	74.00	-27.35	peak
4943.000	8.03	34.13	42.49	45.18	44.85	74.00	-29.15	peak
6795.879	10.69	35.78	41.00	44.16	49.63	74.00	-24.37	peak
7414.500	10.02	36.23	40.57	41.16	46.84	74.00	-27.16	peak
9886.000	10.88	37.83	37.35	38.13	49.49	74.00	-24.51	peak
	MHz 1634.543 3992.781 4943.000 6795.879 7414.500	Freq Loss MHz dB 1634.543 5.31 3992.781 6.97 4943.000 8.03 6795.879 10.69 7414.500 10.02	Freq Loss Factor MHz dB dB/m 1634.543 5.31 26.40 3992.781 6.97 32.69 4943.000 8.03 34.13 6795.879 10.69 35.78 7414.500 10.02 36.23	Freq Loss Factor Factor MHz dB dB/m dB 1634.543 5.31 26.40 41.49 3992.781 6.97 32.69 42.32 4943.000 8.03 34.13 42.49 6795.879 10.69 35.78 41.00 7414.500 10.02 36.23 40.57	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1634.543 5.31 26.40 41.49 45.67 3992.781 6.97 32.69 42.32 49.31 4943.000 8.03 34.13 42.49 45.18 6795.879 10.69 35.78 41.00 44.16 7414.500 10.02 36.23 40.57 41.16	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1634.543 5.31 26.40 41.49 45.67 35.89 3992.781 6.97 32.69 42.32 49.31 46.65 4943.000 8.03 34.13 42.49 45.18 44.85 6795.879 10.69 35.78 41.00 44.16 49.63 7414.500 10.02 36.23 40.57 41.16 46.84	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1634.543 5.31 26.40 41.49 45.67 35.89 74.00 3992.781 6.97 32.69 42.32 49.31 46.65 74.00 4943.000 8.03 34.13 42.49 45.18 44.85 74.00 6795.879 10.69 35.78 41.00 44.16 49.63 74.00 7414.500 10.02 36.23 40.57 41.16 46.84 74.00	Cable Ant Preamp Read Limit Over Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dB 1634.543 5.31 26.40 41.49 45.67 35.89 74.00 -38.11 3992.781 6.97 32.69 42.32 49.31 46.65 74.00 -27.35 4943.000 8.03 34.13 42.49 45.18 44.85 74.00 -29.15 6795.879 10.69 35.78 41.00 44.16 49.63 74.00 -24.37 7414.500 10.02 36.23 40.57 41.16 46.84 74.00 -27.16 9886.000 10.88 37.83 37.35 38.13 49.49 74.00 -24.51



Report No.: SZEM180500417902

Page: 142 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2476.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2476.5 TX RSE

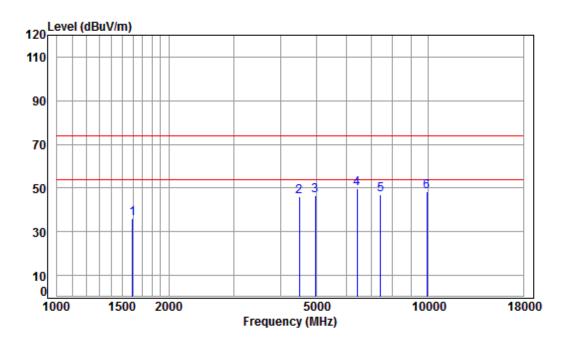
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1498.781	5.48	25.80	41.41	45.51	35.38	74.00	-38.62	peak
2	4495.125	7.55	33.59	42.42	46.70	45.42	74.00	-28.58	peak
3	4953.000	8.04	34.15	42.49	45.65	45.35	74.00	-28.65	peak
4 pp	6340.436	11.24	35.44	41.34	44.21	49.55	74.00	-24.45	peak
5	7429.500	10.02	36.25	40.56	41.20	46.91	74.00	-27.09	peak
6	9906.000	10.89	37.84	37.33	37.63	49.03	74.00	-24.97	peak



Report No.: SZEM180500417902

Page: 143 of 202

Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2476.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2476.5 TX RSE

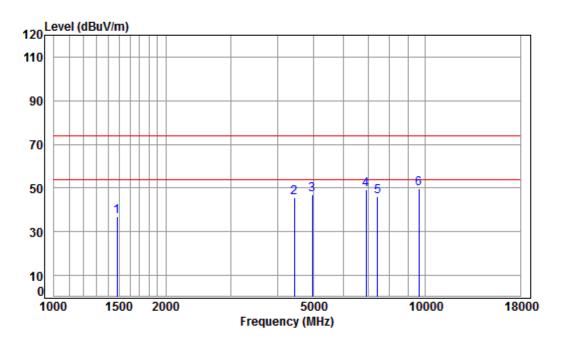
ote	: 10M	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1597.181	5.35	26.24	41.47	46.14	36.26	74.00	-37.74	peak
2	4495.125	7.55	33.59	42.42	47.37	46.09	74.00	-27.91	peak
3	4953.000	8.04	34.15	42.49	46.96	46.66	74.00	-27.34	peak
4 pp	6432.732	11.41	35.54	41.27	44.01	49.69	74.00	-24.31	peak
5	7429.500	10.02	36.25	40.56	41.40	47.11	74.00	-26.89	peak
6	9906,000	10.89	37.84	37.33	37.12	48.52	74.00	-25.48	neak



Report No.: SZEM180500417902

Page: 144 of 202

Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2477.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2477.5 TX RSE

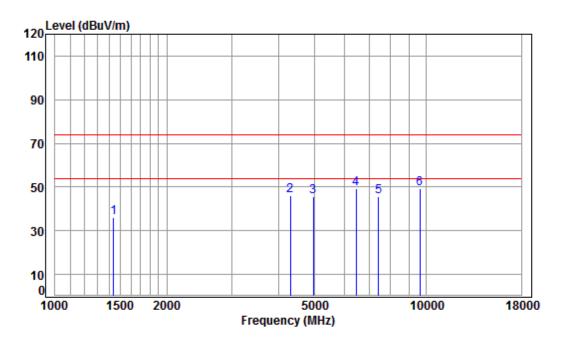
ote	: 10M	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	——dB	dB/m	——dB	dBuV	dBuV/m	dBuV/m	——dB	
		u.	ub/ iii	u.b	aba.	abav, iii	abav, iii	u.	
1	1477.276	5.41	25.72	41.39	47.05	36.79	74.00	-37.21	peak
2	4430.628	7.48	33.48	42.41	46.89	45.44	74.00	-28.56	peak
3	4955.000	8.04	34.15	42.49	47.20	46.90	74.00	-27.10	peak
4	6914.763	10.36	35.85	40.91	43.90	49.20	74.00	-24.80	peak
5	7432.500	10.02	36.25	40.56	40.31	46.02	74.00	-27.98	peak
6 r	n 9610.000	10.75	37.67	37.73	38.95	49 64	74.00	-24.36	neak



Report No.: SZEM180500417902

Page: 145 of 202

Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2477.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2477.5 TX RSE

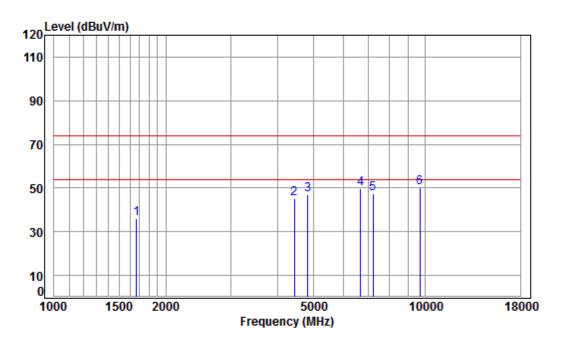
ote	: 10M	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1439.343	5.28	25.58	41.36	46.40	35.90	74.00	-38.10	peak
2	4304.400	7.34	33.26	42.38	47.81	46.03	74.00	-27.97	peak
3	4955.000	8.04	34.15	42.49	46.11	45.81	74.00	-28.19	peak
4 pp	6470.026	11.48	35.57	41.24	43.68	49.49	74.00	-24.51	peak
5	7432.500	10.02	36.25	40.56	39.70	45.41	74.00	-28.59	peak
6	9610.000	10.75	37.67	37.73	38.44	49.13	74.00	-24.87	neak



Report No.: SZEM180500417902

Page: 146 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2410.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2410.5 TX RSE

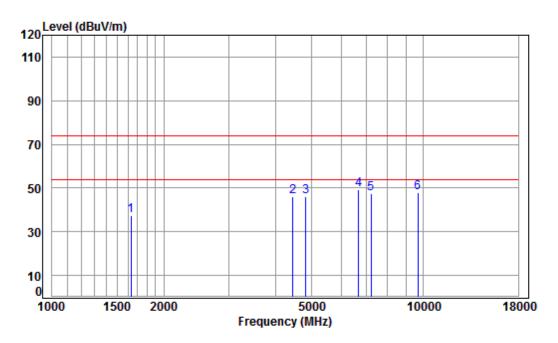
oce	: 2014	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1667.951	5.27	26.54	41.51	45.84	36.14	74.00	-37.86	peak
2	4430.628	7.48	33.48	42.41	46.77	45.32	74.00	-28.68	peak
3	4821.000	7.91	33.99	42.47	47.45	46.88	74.00	-27.12	peak
4	6698.373	10.97	35.72	41.07	44.16	49.78	74.00	-24.22	peak
5	7231.500	10.07	36.09	40.69	41.80	47.27	74.00	-26.73	peak
6 pr	9642,000	10.76	37.69	37.69	39.44	50.20	74 00	-23.80	neak



Report No.: SZEM180500417902

Page: 147 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2410.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2410.5 TX RSE

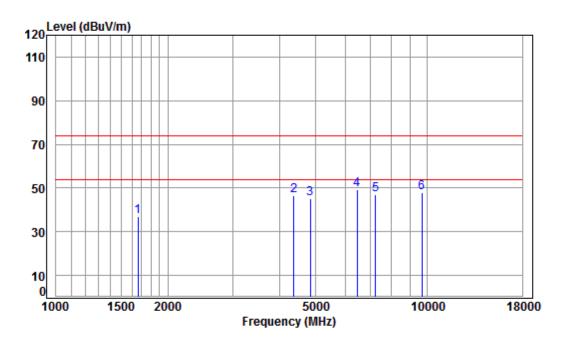
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1634.543	5.31	26.40	41.49	47.38	37.60	74.00	-36.40	peak
2	4456.315	7.51	33.53	42.41	47.27	45.90	74.00	-28.10	peak
3	4821.000	7.91	33.99	42.47	46.77	46.20	74.00	-27.80	peak
4 pp	6679.040	11.02	35.71	41.08	43.59	49.24	74.00	-24.76	peak
5	7231.500	10.07	36.09	40.69	41.77	47.24	74.00	-26.76	peak
6	9642.000	10.76	37.69	37.69	37.17	47.93	74.00	-26.07	peak



Report No.: SZEM180500417902

Page: 148 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2415.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2415.5 TX RSE

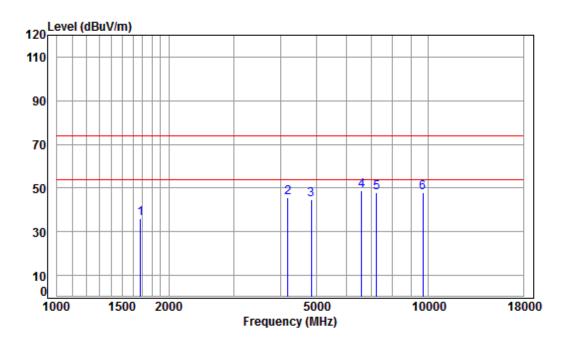
ote	: 2014	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1663.137	5.27	26.52	41.51	46.84	37.12	74.00	-36.88	peak
2	4367.058	7.41	33.37	42.39	48.06	46.45	74.00	-27.55	peak
3	4831.000	7.92	34.00	42.47	45.54	44.99	74.00	-29.01	peak
4 pp	6470.026	11.48	35.57	41.24	43.43	49.24	74.00	-24.76	peak
5	7246.500	10.06	36.10	40.68	41.30	46.78	74.00	-27.22	peak
6	9662,000	10.77	37.70	37.66	37.10	47.91	74.00	-26.09	neak



Report No.: SZEM180500417902

Page: 149 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2415.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2415.5 TX RSE

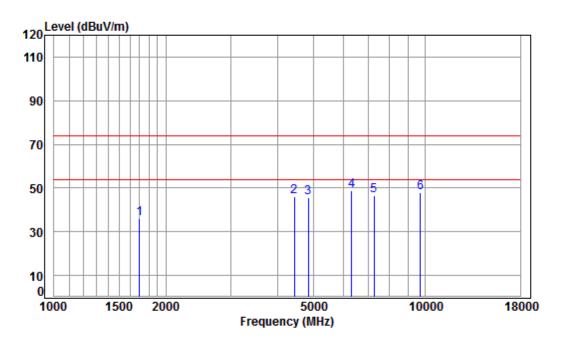
ote	: 2014	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1677.621	5.25	26.58	41.52	45.56	35.87	74.00	-38.13	peak
2	4181.768	7.20	33.04	42.36	47.75	45.63	74.00	-28.37	peak
3	4831.000	7.92	34.00	42.47	45.40	44.85	74.00	-29.15	peak
4 pp	6602.265	11.24	35.66	41.14	43.14	48.90	74.00	-25.10	peak
5	7246.500	10.06	36.10	40.68	42.23	47.71	74.00	-26.29	peak
6	9662,000	10.77	37.70	37.66	36.94	47.75	74.00	-26.25	neak



Report No.: SZEM180500417902

Page: 150 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2420.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2420.5 TX RSE

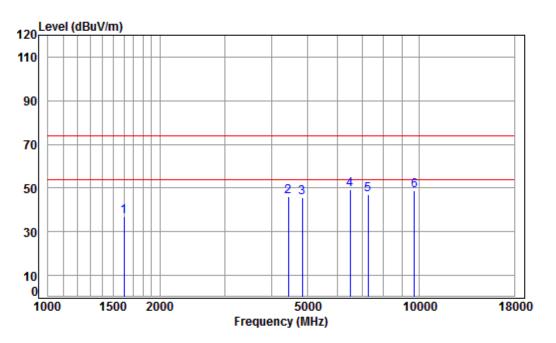
ote	: 2014	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	5.23	26.66	41.53	45.72	36.08	74.00	-37.92	peak
2	4430.628	7.48	33.48	42.41	47.43	45.98	74.00	-28.02	peak
3	4841.000	7.93	34.02	42.47	46.20	45.68	74.00	-28.32	peak
4 pp	6322.136	11.20	35.43	41.35	43.73	49.01	74.00	-24.99	peak
5	7261.500	10.06	36.11	40.67	41.04	46.54	74.00	-27.46	peak
6	9682,000	10.78	37.71	37.63	37.21	48.07	74.00	-25.93	neak



Report No.: SZEM180500417902

Page: 151 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2420.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2420.5 TX RSE

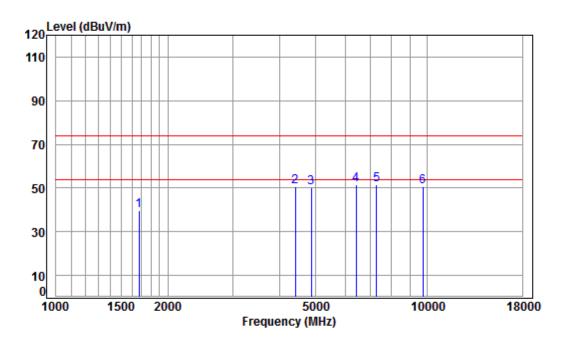
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1601.804	5.35	26.26	41.47	47.00	37.14	74.00	-36.86	peak
2	4443.453	7.50	33.50	42.41	47.47	46.06	74.00	-27.94	peak
3	4841.000	7.93	34.02	42.47	46.37	45.85	74.00	-28.15	peak
4 pp	6507.536	11.52	35.60	41.21	43.21	49.12	74.00	-24.88	peak
5	7261.500	10.06	36.11	40.67	41.46	46.96	74.00	-27.04	peak
6	9682.000	10.78	37.71	37.63	37.82	48.68	74.00	-25.32	peak



Report No.: SZEM180500417902

Page: 152 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2430.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2430.5 TX RSE

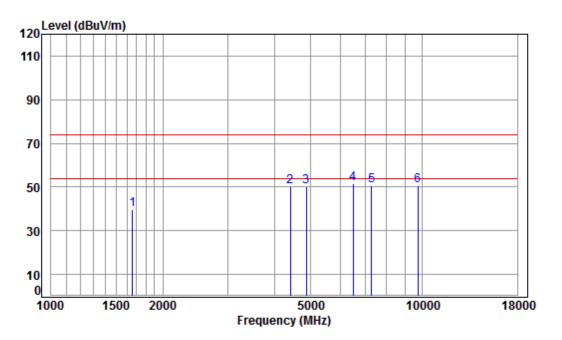
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1672.779	5.26	26.56	38.03	45.85	39.64	74.00	-34.36	peak
2	4405.090	7.46	33.60	38.22	47.60	50.44	74.00	-23.56	peak
3	4861.000	7.95	34.26	38.44	46.24	50.01	74.00	-23.99	peak
4	6432.732	11.41	35.05	37.85	43.08	51.69	74.00	-22.31	peak
5 pp	7291.500	10.05	36.38	37.03	42.35	51.75	74.00	-22.25	peak
6	9722.000	10.80	37.55	35.03	37.26	50.58	74.00	-23.42	peak



Report No.: SZEM180500417902

Page: 153 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2430.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2430.5 TX RSE

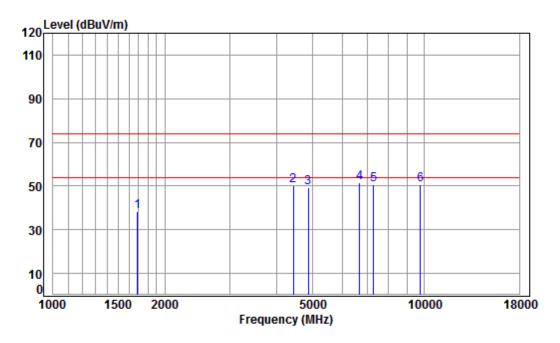
ote	: 2014	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1658.337	5.28	26.50	38.03	45.86	39.61	74.00	-34.39	peak
2	4405.090	7.46	33.60	38.22	47.27	50.11	74.00	-23.89	peak
3	4861.000	7.95	34.26	38.44	46.38	50.15	74.00	-23.85	peak
4 pp	6507.536	11.52	35.12	37.77	42.63	51.50	74.00	-22.50	peak
5	7291.500	10.05	36.38	37.03	41.12	50.52	74.00	-23.48	peak
6	9722 000	10.80	37.55	35.03	37.16	50.48	74.00	-23.52	neak



Report No.: SZEM180500417902

Page: 154 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2434.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2434.5 TX RSE

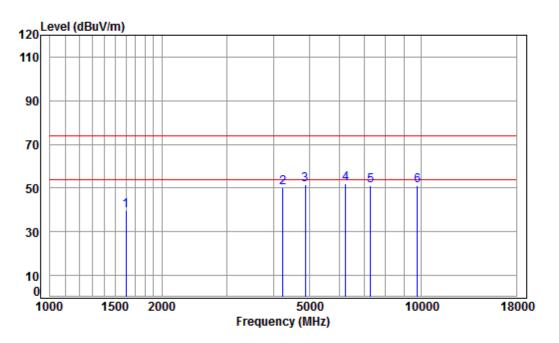
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1687.347	5.24	26.62	38.02	44.68	38.52	74.00	-35.48	peak
2	4430.628	7.48	33.60	38.23	47.30	50.15	74.00	-23.85	peak
3	4869.000	7.96	34.27	38.44	45.48	49.27	74.00	-24.73	peak
4	op 6679.040	11.02	35.61	37.60	42.62	51.65	74.00	-22.35	peak
5	7303.500	10.05	36.38	37.01	41.07	50.49	74.00	-23.51	peak
6	9738.000	10.81	37.55	35.03	37.51	50.84	74.00	-23.16	peak



Report No.: SZEM180500417902

Page: 155 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2434.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2434.5 TX RSE

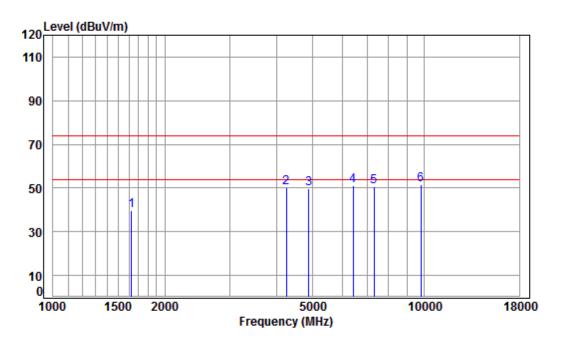
. 2011								
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1601.804	5.35	26.26	38.03	46.15	39.73	74.00	-34.27	peak
4230.396	7.26	33.60	38.13	47.49	50.22	74.00	-23.78	peak
4869.000	7.96	34.27	38.44	47.54	51.33	74.00	-22.67	peak
								-
7303.500	10.05	36.38	37.01	41.85	51.27	74.00	-22.73	peak
9738.000	10.81	37.55	35.03	37.83	51.16	74.00	-22.84	peak
	MHz 1601.804 4230.396 4869.000 6249.464 7303.500	Freq Loss MHz dB 1601.804 5.35 4230.396 7.26 4869.000 7.96 6249.464 11.06 7303.500 10.05	Freq Loss Factor MHz dB dB/m 1601.804 5.35 26.26 4230.396 7.26 33.60 4869.000 7.96 34.27 6249.464 11.06 34.90 7303.500 10.05 36.38	Freq Loss Factor Factor MHz dB dB/m dB 1601.804 5.35 26.26 38.03 4230.396 7.26 33.60 38.13 4869.000 7.96 34.27 38.44 6249.464 11.06 34.90 38.04 7303.500 10.05 36.38 37.01	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1601.804 5.35 26.26 38.03 46.15 4230.396 7.26 33.60 38.13 47.49 4869.000 7.96 34.27 38.44 47.54 6249.464 11.06 34.90 38.04 44.07 7303.500 10.05 36.38 37.01 41.85	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1601.804 5.35 26.26 38.03 46.15 39.73 4230.396 7.26 33.60 38.13 47.49 50.22 4869.000 7.96 34.27 38.44 47.54 51.33 6249.464 11.06 34.90 38.04 44.07 51.99 7303.500 10.05 36.38 37.01 41.85 51.27	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1601.804 5.35 26.26 38.03 46.15 39.73 74.00 4230.396 7.26 33.60 38.13 47.49 50.22 74.00 4869.000 7.96 34.27 38.44 47.54 51.33 74.00 6249.464 11.06 34.90 38.04 44.07 51.99 74.00 7303.500 10.05 36.38 37.01 41.85 51.27 74.00	Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dB 1601.804 5.35 26.26 38.03 46.15 39.73 74.00 -34.27 4230.396 7.26 33.60 38.13 47.49 50.22 74.00 -23.78 4869.000 7.96 34.27 38.44 47.54 51.33 74.00 -22.67 6249.464 11.06 34.90 38.04 44.07 51.99 74.00 -22.01 7303.500 10.05 36.38 37.01 41.85 51.27 74.00 -22.73 9738.000 10.81 37.55 35.03 37.83 51.16 74.00 -22.84



Report No.: SZEM180500417902

Page: 156 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2441.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2441.5 TX RSE

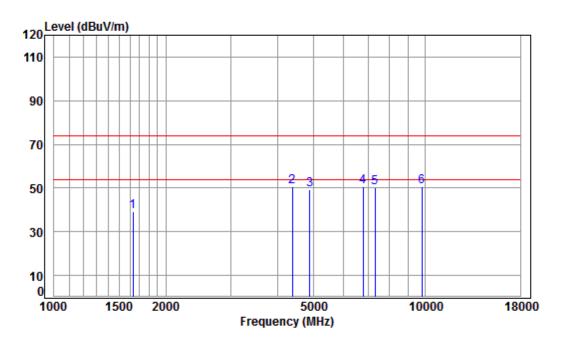
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1625.121	5.32	26.36	38.03	46.09	39.74	74.00	-34.26	peak
2	4242.641	7.27	33.60	38.13	47.61	50.35	74.00	-23.65	peak
3	4883.000	7.97	34.30	38.45	45.76	49.58	74.00	-24.42	peak
4	6432.732	11.41	35.05	37.85	42.53	51.14	74.00	-22.86	peak
5	7324.500	10.04	36.37	36.99	41.18	50.60	74.00	-23.40	peak
6	pp 9766.000	10.82	37.55	35.01	38.16	51.52	74.00	-22.48	peak



Report No.: SZEM180500417902

Page: 157 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2441.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2441.5 TX RSE

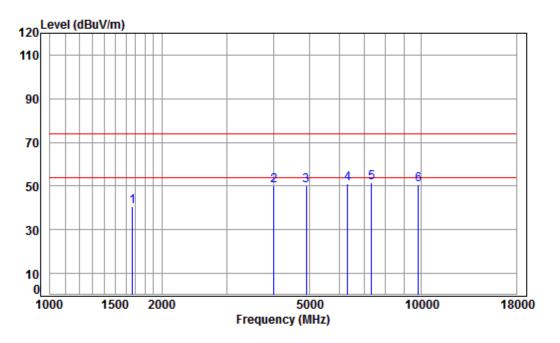
ote	: Z0M	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1629.825	5.31	26.38	38.03	45.72	39.38	74.00	-34.62	peak
2	4379.699	7.43	33.60	38.20	47.82	50.65	74.00	-23.35	peak
3	4883.000	7.97	34.30	38.45	45.59	49.41	74.00	-24.59	peak
4 pp	6795.879	10.69	35.94	37.49	41.67	50.81	74.00	-23.19	peak
5	7324.500	10.04	36.37	36.99	40.90	50.32	74.00	-23.68	peak
6	9766, 000	10.82	37.55	35.01	37.09	50.45	74 00	-23.55	neak



Report No.: SZEM180500417902

Page: 158 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2448.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2448.5 TX RSE

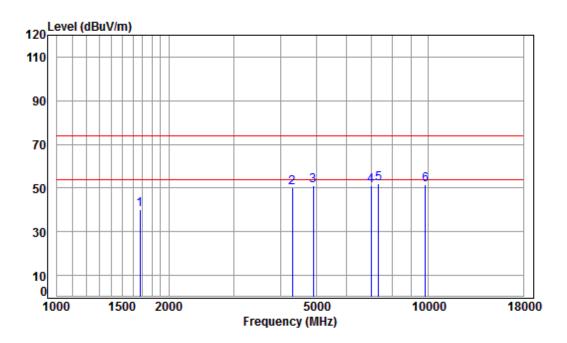
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1667.951	5.27	26.54	38.03	46.69	40.47	74.00	-33.53	peak
2	4004.339	6.99	33.60	38.00	47.41	50.00	74.00	-24.00	peak
3	4897.000	7.99	34.32	38.45	46.48	50.34	74.00	-23.66	peak
4	6322.136	11.20	34.96	37.96	42.81	51.01	74.00	-22.99	peak
5 pp	7345.500	10.04	36.36	36.98	41.94	51.36	74.00	-22.64	peak
6	9794.000	10.84	37.56	35.00	37.11	50.51	74.00	-23.49	peak



Report No.: SZEM180500417902

Page: 159 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2448.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2448.5 TX RSE

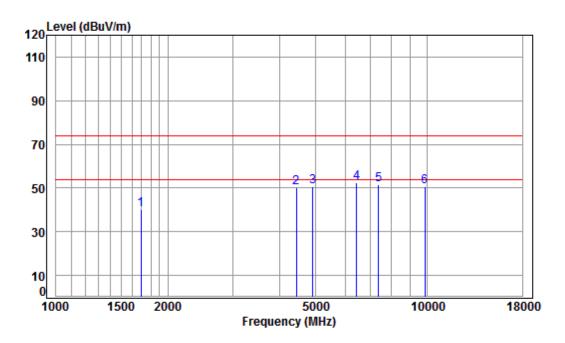
ote	: 2014	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1672.779	5.26	26.56	38.03	46.36	40.15	74.00	-33.85	peak
2	4304.400	7.34	33.60	38.16	47.57	50.35	74.00	-23.65	peak
3	4897.000	7.99	34.32	38.45	47.33	51.19	74.00	-22.81	peak
4	6995.172	10.14	36.49	37.30	41.75	51.08	74.00	-22.92	peak
5 pp	7345.500	10.04	36.36	36.98	42.66	52.08	74.00	-21.92	peak
6	9794.000	10.84	37.56	35.00	37.95	51.35	74.00	-22.65	neak



Report No.: SZEM180500417902

Page: 160 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2458.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2458.5 TX RSE

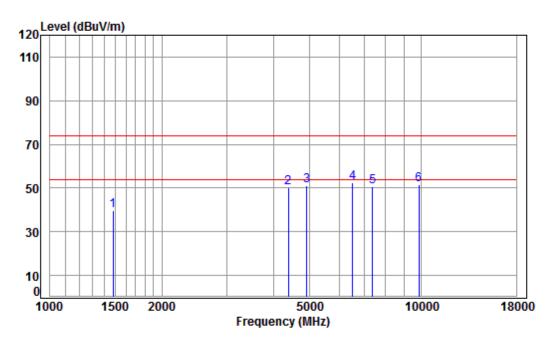
oce	: 2014	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1692.231	5.24	26.64	38.02	46.28	40.14	74.00	-33.86	peak
2	4430.628	7.48	33.60	38.23	47.35	50.20	74.00	-23.80	peak
3	4917.000	8.01	34.36	38.46	46.90	50.81	74.00	-23.19	peak
4 pp	6451.353	11.45	35.06	37.83	43.85	52.53	74.00	-21.47	peak
5	7375.500	10.03	36.35	36.95	41.98	51.41	74.00	-22.59	peak
6	9834 000	10.86	37.57	34 98	37.12	50.57	74.00	-23.43	neak



Report No.: SZEM180500417902

Page: 161 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2458.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2458.5 TX RSE

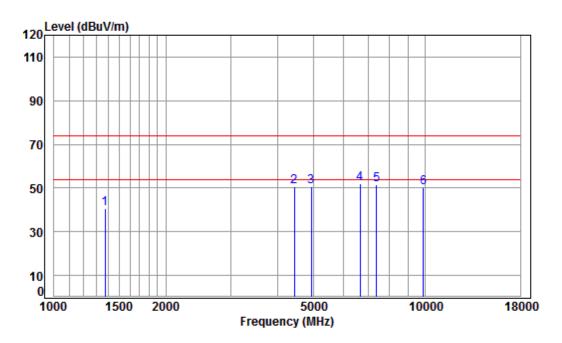
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1477.276	5.41	25.71	38.04	46.41	39.49	74.00	-34.51	peak
2	4379.699	7.43	33.60	38.20	47.54	50.37	74.00	-23.63	peak
3	4917.000	8.01	34.36	38.46	47.11	51.02	74.00	-22.98	peak
4 pp	6526.373	11.46	35.18	37.75	43.81	52.70	74.00	-21.30	peak
5	7375.500	10.03	36.35	36.95	41.38	50.81	74.00	-23.19	peak
6	9834.000	10.86	37.57	34.98	38.23	51.68	74.00	-22.32	peak



Report No.: SZEM180500417902

Page: 162 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2464.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2464.5 TX RSE

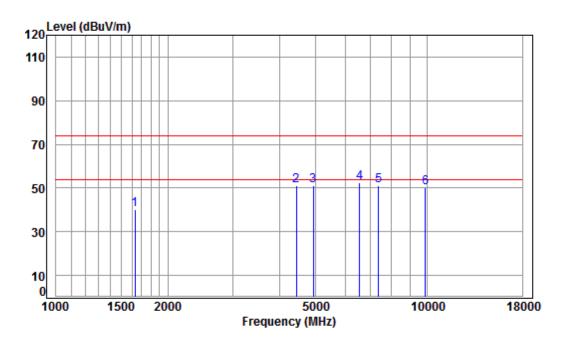
	'									
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	137	4.295	5.06	25.28	38.05	48.48	40.77	74.00	-33.23	peak
2	443	0.628	7.48	33.60	38.23	47.85	50.70	74.00	-23.30	peak
3	492	9.000	8.02	34.38	38.47	46.83	50.76	74.00	-23.24	peak
4	pp 665	9.763	11.08	35.56	37.62	42.88	51.90	74.00	-22.10	peak
5	739	3.500	10.03	36.34	36.93	42.03	51.47	74.00	-22.53	peak
6	985	8.000	10.87	37.57	34.97	36.74	50.21	74.00	-23.79	peak



Report No.: SZEM180500417902

Page: 163 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2464.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2464.5 TX RSE

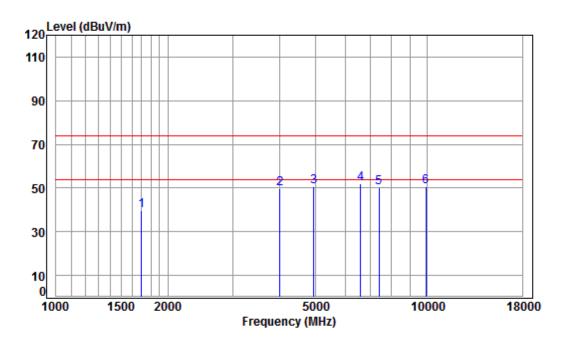
ote	: 2014	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1634.543	5.31	26.40	38.03	46.32	40.00	74.00	-34.00	peak
2	4430.628	7.48	33.60	38.23	48.20	51.05	74.00	-22.95	peak
3	4929.000	8.02	34.38	38.47	47.11	51.04	74.00	-22.96	peak
4 pp	6564.209	11.35	35.29	37.72	43.73	52.65	74.00	-21.35	peak
5	7393.500	10.03	36.34	36.93	41.60	51.04	74.00	-22.96	peak
6	9858.000	10.87	37.57	34.97	36.81	50.28	74.00	-23.72	neak



Report No.: SZEM180500417902

Page: 164 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2471.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2471.5 TX RSE

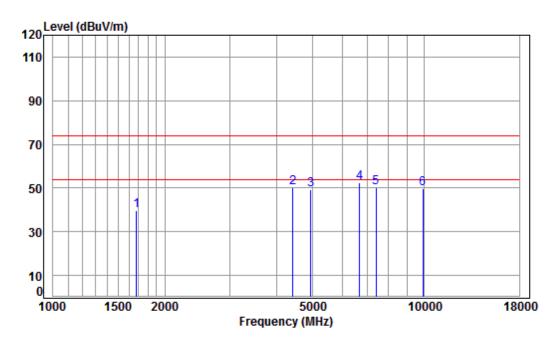
	. 20								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	5.23	26.66	38.02	45.65	39.52	74.00	-34.48	peak
2	4004.339	6.99	33.60	38.00	47.28	49.87	74.00	-24.13	peak
3	4943.000	8.03	34.40	38.47	46.69	50.65	74.00	-23.35	peak
4 p	p 6602.265	11.24	35.39	37.68	43.05	52.00	74.00	-22.00	peak
5	7414.500	10.02	36.33	36.91	40.70	50.14	74.00	-23.86	peak
6	9886.000	10.88	37.58	34.95	37.16	50.67	74.00	-23.33	peak



Report No.: SZEM180500417902

Page: 165 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2471.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2471.5 TX RSE

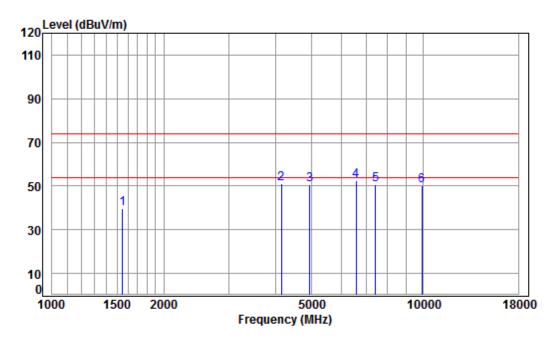
ote	: 2014	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1677.621	5.25	26.58	38.03	46.12	39.92	74.00	-34.08	peak
2	4417.841	7.47	33.60	38.22	47.34	50.19	74.00	-23.81	peak
3	4943.000	8.03	34.40	38.47	45.52	49.48	74.00	-24.52	peak
4 pp	6679.040	11.02	35.61	37.60	43.30	52.33	74.00	-21.67	peak
5	7414.500	10.02	36.33	36.91	40.89	50.33	74.00	-23.67	peak
6	9886.000	10.88	37.58	34.95	36.33	49.84	74.00	-24.16	neak



Report No.: SZEM180500417902

Page: 166 of 202

Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2472.5MHz;



Condition: 3m HORIZONTAL

Job No : 04179CR

Mode : 2472.5 TX RSE

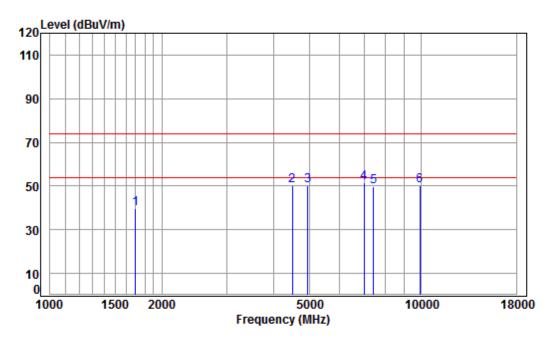
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1547.199	5.42	26.02	38.04	46.51	39.91	74.00	-34.09	peak
2	4145.664	7.16	33.60	38.08	48.23	50.91	74.00	-23.09	peak
3	4945.000	8.03	34.41	38.48	46.48	50.44	74.00	-23.56	peak
4 p	p 6583.209	11.30	35.34	37.70	43.41	52.35	74.00	-21.65	peak
5	7417.500	10.02	36.33	36.91	41.03	50.47	74.00	-23.53	peak
6	9890.000	10.89	37.58	34.95	36.88	50.40	74.00	-23.60	peak



Report No.: SZEM180500417902

Page: 167 of 202

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2472.5MHz;



Condition: 3m VERTICAL

Job No : 04179CR

Mode : 2472.5 TX RSE

ote	: 20M	ANII							
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	5.23	26.66	38.02	45.88	39.75	74.00	-34.25	peak
2	4495.125	7.55	33.60	38.26	47.28	50.17	74.00	-23.83	peak
3	4945.000	8.03	34.41	38.48	46.21	50.17	74.00	-23.83	peak
4 pp	6995.172	10.14	36.49	37.30	42.35	51.68	74.00	-22.32	peak
5	7417.500	10.02	36.33	36.91	40.52	49.96	74.00	-24.04	peak
6	9890 000	10.89	37.58	34.95	36.52	50.04	74.00	-23.96	neak



Report No.: SZEM180500417902

Page: 168 of 202

8 Appendix

8.1 Appendix 15.247

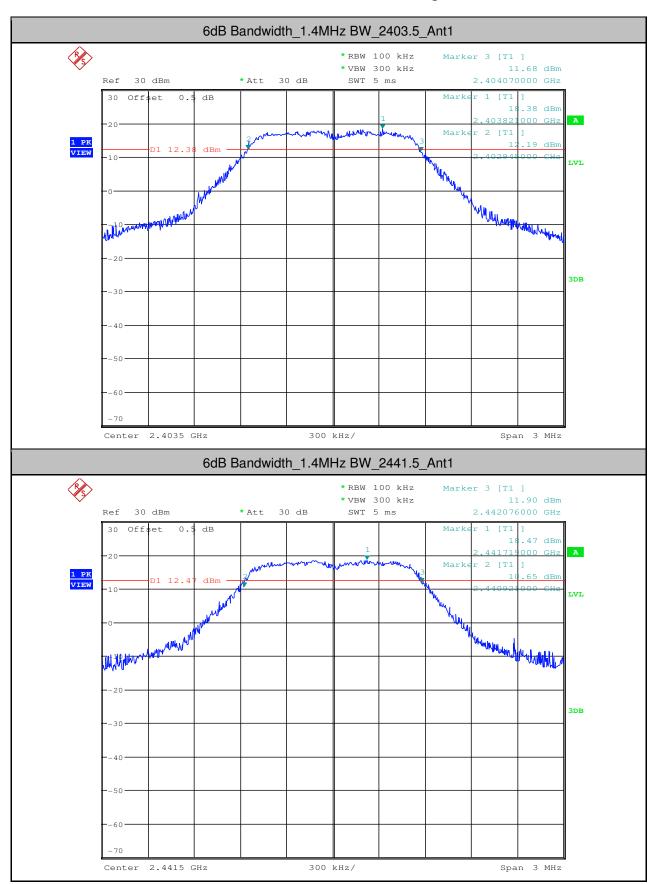
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit[MHz]	Verdict
1.4MHz BW	2403.5	Ant1	1.125	>=0.5	PASS
1.4MHz BW	2441.5	Ant1	1.155	>=0.5	PASS
1.4MHz BW	2477.5	Ant1	1.149	>=0.5	PASS
10MHz BW	2405.5	Ant1	9.000	>=0.5	PASS
10MHz BW	2441.5	Ant1	9.015	>=0.5	PASS
10MHz BW	2477.5	Ant1	9.015	>=0.5	PASS
20MHz BW	2410.5	Ant1	18.030	>=0.5	PASS
20MHz BW	2441.5	Ant1	18.060	>=0.5	PASS
20MHz BW	2472.5	Ant1	18.060	>=0.5	PASS



Report No.: SZEM180500417902

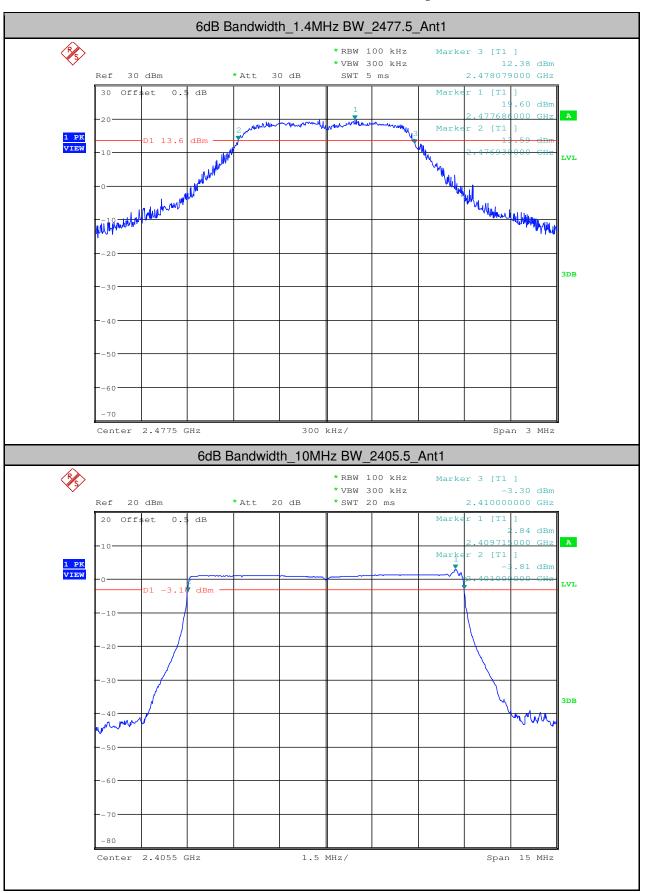
Page: 169 of 202





Report No.: SZEM180500417902

Page: 170 of 202

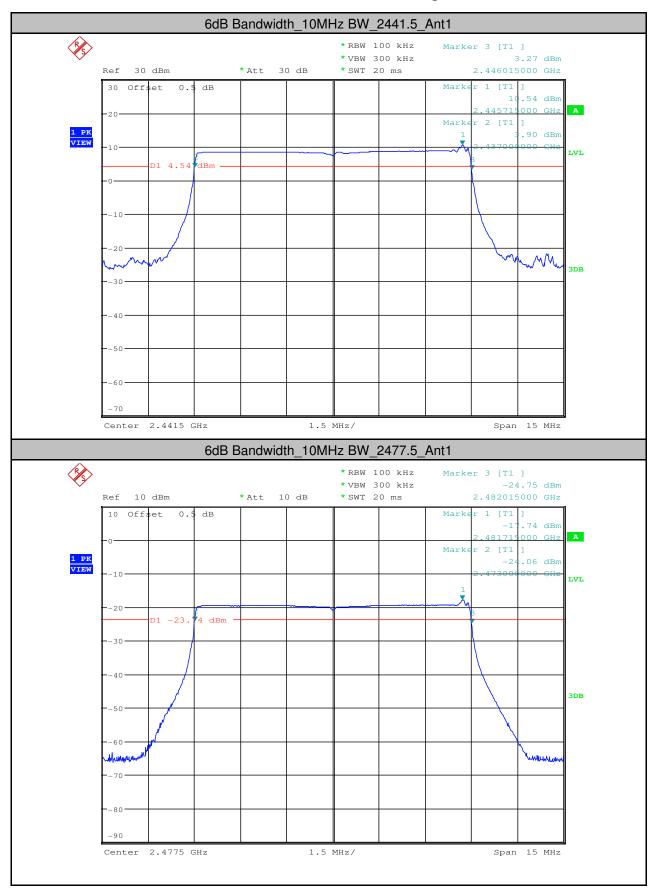


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Report No.: SZEM180500417902

Page: 171 of 202

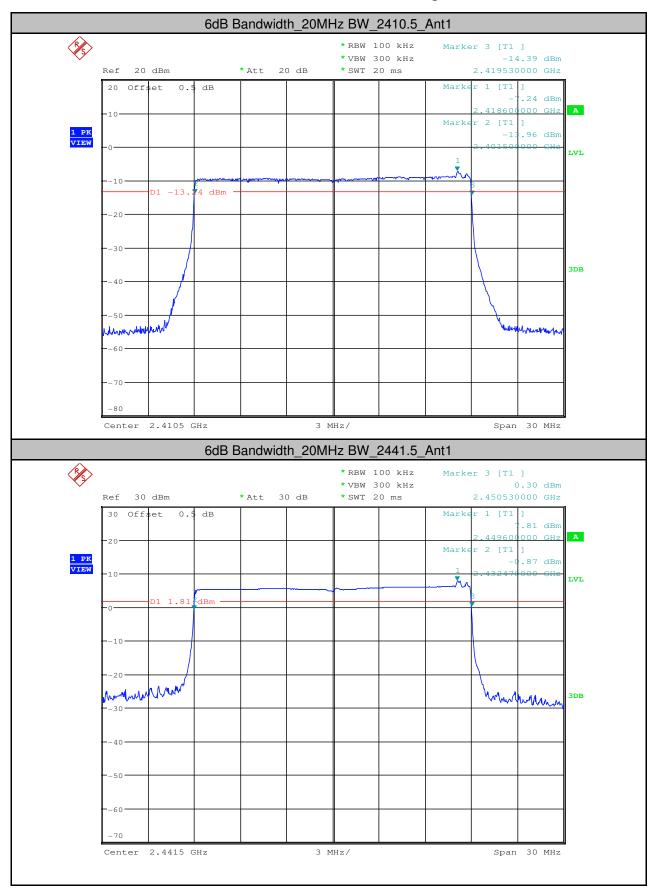


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Report No.: SZEM180500417902

Page: 172 of 202

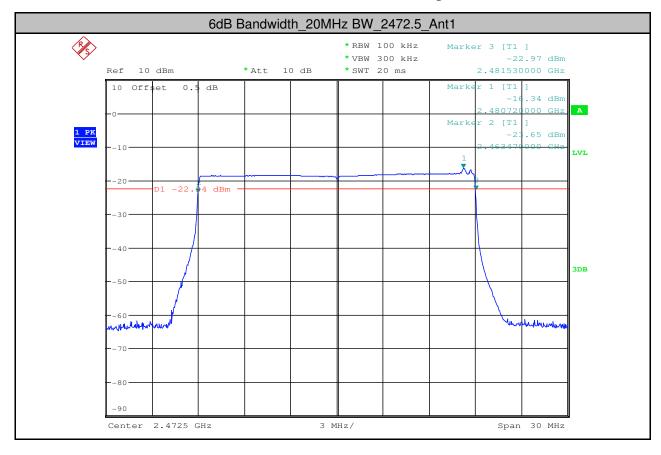


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Report No.: SZEM180500417902

Page: 173 of 202





Report No.: SZEM180500417902

Page: 174 of 202

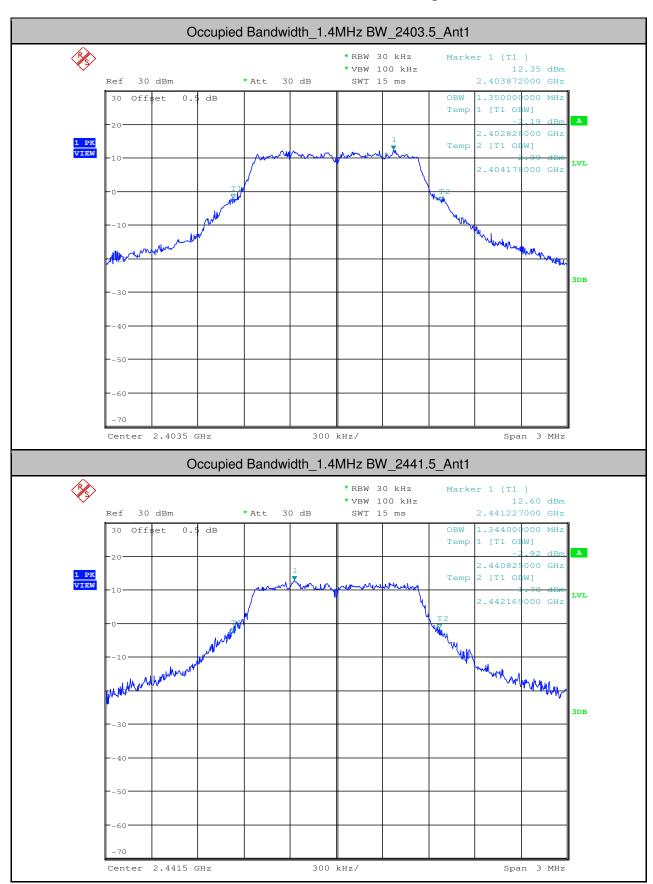
2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
1.4MHz BW	2403.5	Ant1	1.350		PASS
1.4MHz BW	2441.5	Ant1	1.344		PASS
1.4MHz BW	2477.5	Ant1	1.329		PASS
10MHz BW	2405.5	Ant1	9.060		PASS
10MHz BW	2441.5	Ant1	9.060		PASS
10MHz BW	2477.5	Ant1	9.060		PASS
20MHz BW	2410.5	Ant1	17.820		PASS
20MHz BW	2441.5	Ant1	17.820		PASS
20MHz BW	2472.5	Ant1	17.820		PASS



Report No.: SZEM180500417902

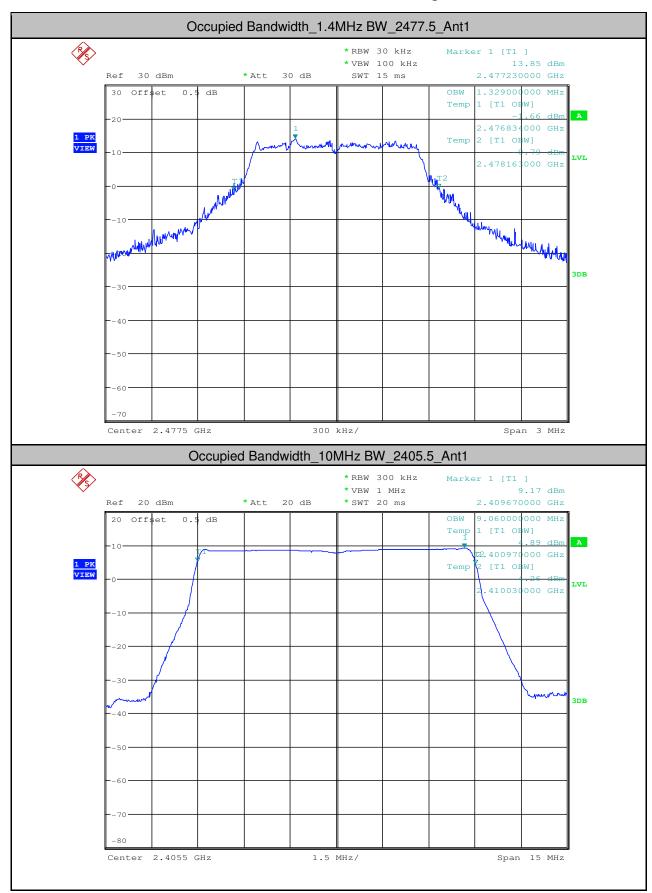
Page: 175 of 202





Report No.: SZEM180500417902

Page: 176 of 202

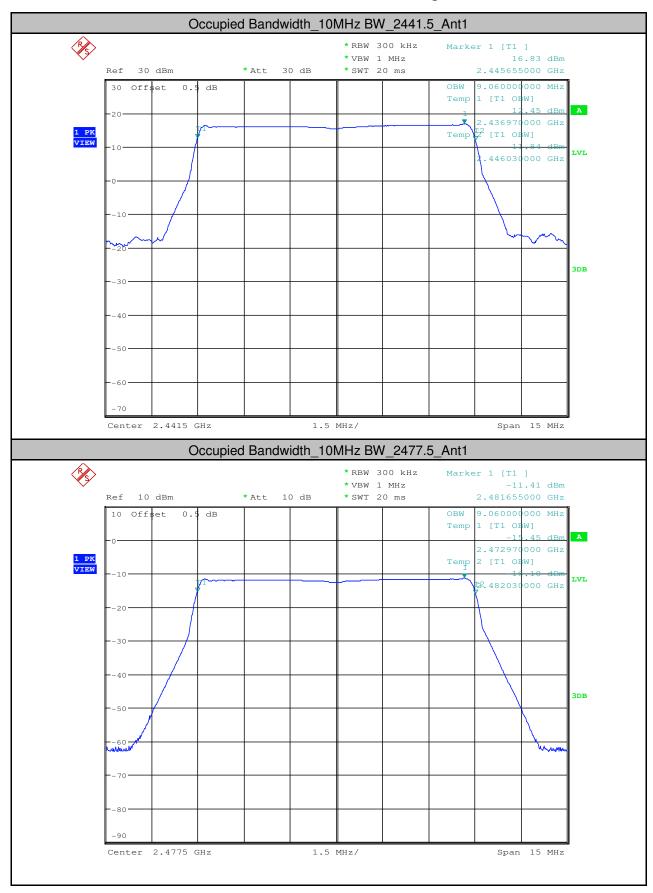


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Report No.: SZEM180500417902

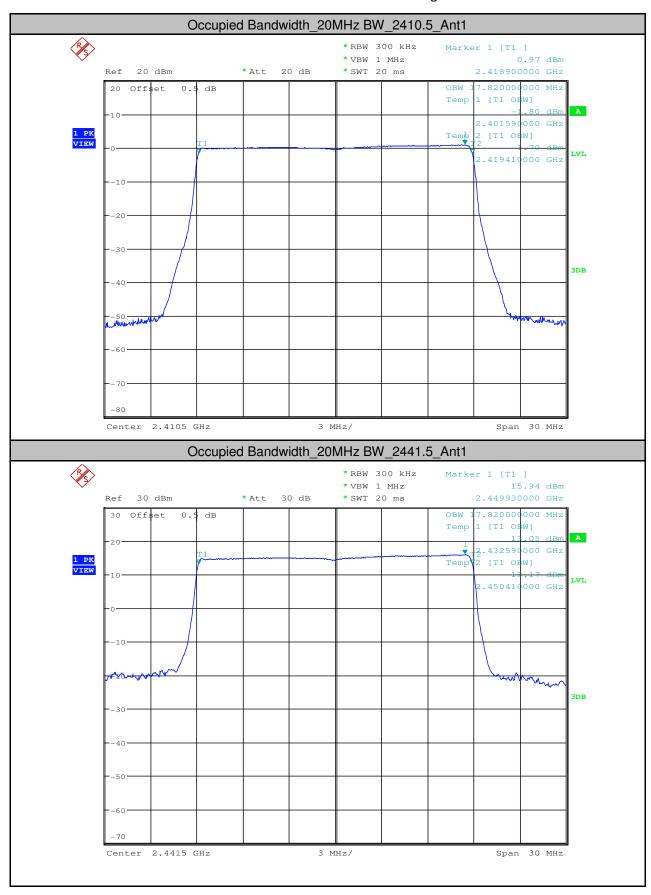
Page: 177 of 202





Report No.: SZEM180500417902

Page: 178 of 202

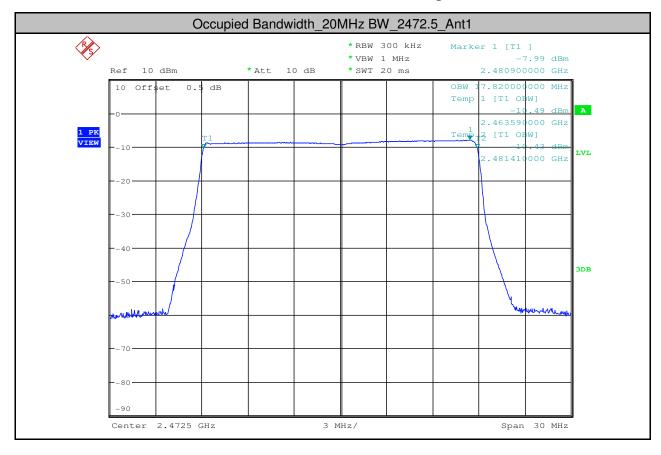


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Report No.: SZEM180500417902

Page: 179 of 202





Report No.: SZEM180500417902

Page: 180 of 202

3. Maximum conducted output power (Average)

Took Mode	Toot Channel	A mt	Dawa (dDm)	Line:HalDreel	\/ovd!ot
Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
1.4MHz BW	2403.5	Ant1	20.97	<30	PASS
1.4MHz BW	2441.5	Ant1	21.11	<30	PASS
1.4MHz BW	2477.5	Ant1	20.96	<30	PASS
10MHz BW	2405.5	Ant1	11.00	<30	PASS
10MHz BW	2408.5	Ant1	11.93	<30	PASS
10MHz BW	2409.5	Ant1	12.98	<30	PASS
10MHz BW	2415.5	Ant1	16.07	<30	PASS
10MHz BW	2417.5	Ant1	18.07	<30	PASS
10MHz BW	2441.5	Ant1	17.91	<30	PASS
10MHz BW	2455.5	Ant1	18.10	<30	PASS
10MHz BW	2459.5	Ant1	17.26	<30	PASS
10MHz BW	2463.5	Ant1	14.06	<30	PASS
10MHz BW	2464.5	Ant1	12.96	<30	PASS
10MHz BW	2467.5	Ant1	11.02	<30	PASS
10MHz BW	2469.5	Ant1	9.95	<30	PASS
10MHz BW	2471.5	Ant1	7.20	<30	PASS
10MHz BW	2472.5	Ant1	2.87	<30	PASS
10MHz BW	2476.5	Ant1	0.28	<30	PASS
10MHz BW	2477.5	Ant1	-11.08	<30	PASS
20MHz BW	2410.5	Ant1	3.89	<30	PASS
20MHz BW	2414.5	Ant1	7.82	<30	PASS
20MHz BW	2415.5	Ant1	8.88	<30	PASS
20MHz BW	2419.5	Ant1	11.07	<30	PASS
20MHz BW	2420.5	Ant1	11.84	<30	PASS
20MHz BW	2430.5	Ant1	15.31	<30	PASS
20MHz BW	2434.5	Ant1	18.26	<30	PASS
20MHz BW	2441.5	Ant1	18.19	<30	PASS
20MHz BW	2442.5	Ant1	17.19	<30	PASS
20MHz BW	2448.5	Ant1	14.30	<30	PASS
20MHz BW	2450.5	Ant1	12.95	<30	PASS
20MHz BW	2458.5	Ant1	10.08	<30	PASS
20MHz BW	2459.5	Ant1	9.17	<30	PASS
20MHz BW	2464.5	Ant1	6.86	<30	PASS
20MHz BW	2465.5	Ant1	5.85	<30	PASS
20MHz BW	2471.5	Ant1	1.15	<30	PASS
20MHz BW	2472.5	Ant1	-6.82	<30	PASS



Report No.: SZEM180500417902

Page: 181 of 202

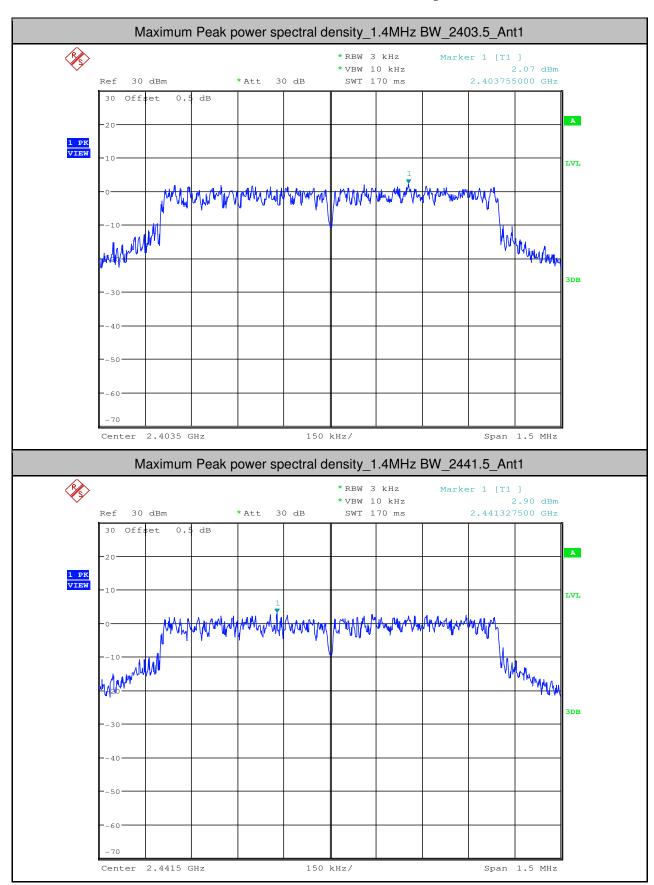
4.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
1.4MHz BW	2403.5	Ant1	2.07	<8.00	PASS
1.4MHz BW	2441.5	Ant1	2.9	<8.00	PASS
1.4MHz BW	2477.5	Ant1	3.57	<8.00	PASS
10MHz BW	2405.5	Ant1	-16.67	<8.00	PASS
10MHz BW	2441.5	Ant1	-7.85	<8.00	PASS
10MHz BW	2477.5	Ant1	-37.76	<8.00	PASS
20MHz BW	2410.5	Ant1	-27.94	<8.00	PASS
20MHz BW	2441.5	Ant1	-11.15	<8.00	PASS
20MHz BW	2472.5	Ant1	-33.46	<8.00	PASS



Report No.: SZEM180500417902

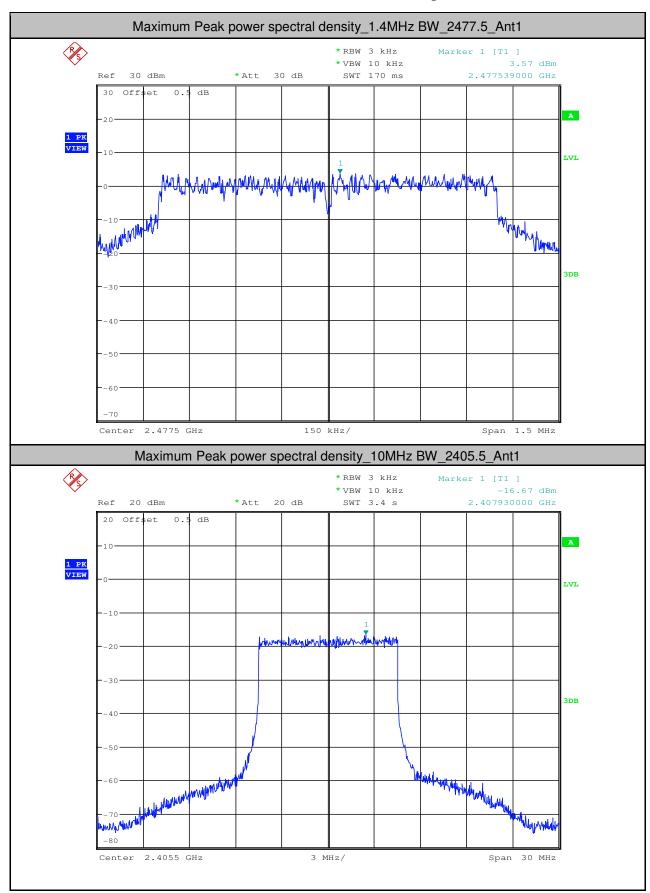
Page: 182 of 202





Report No.: SZEM180500417902

Page: 183 of 202

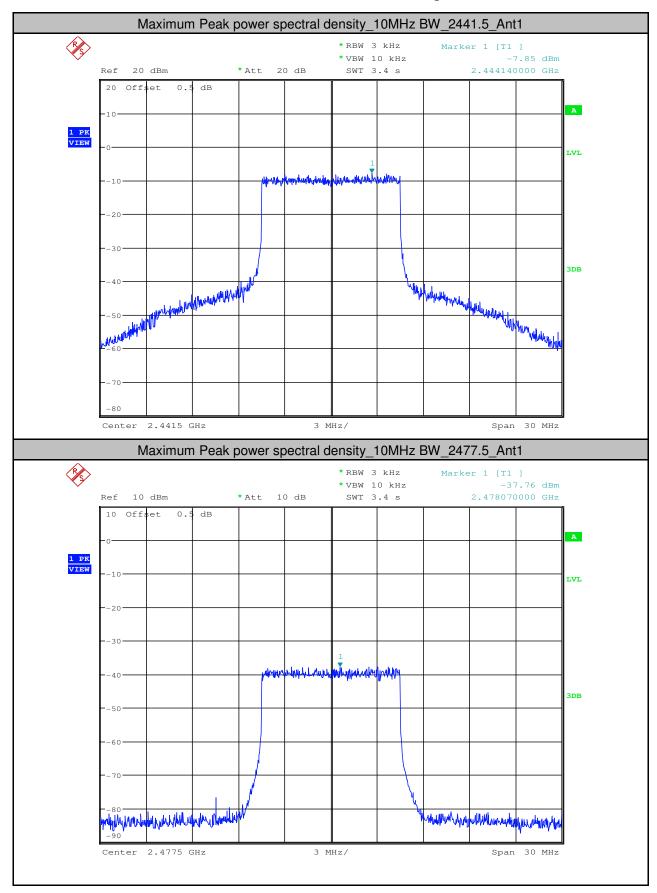


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Report No.: SZEM180500417902

Page: 184 of 202

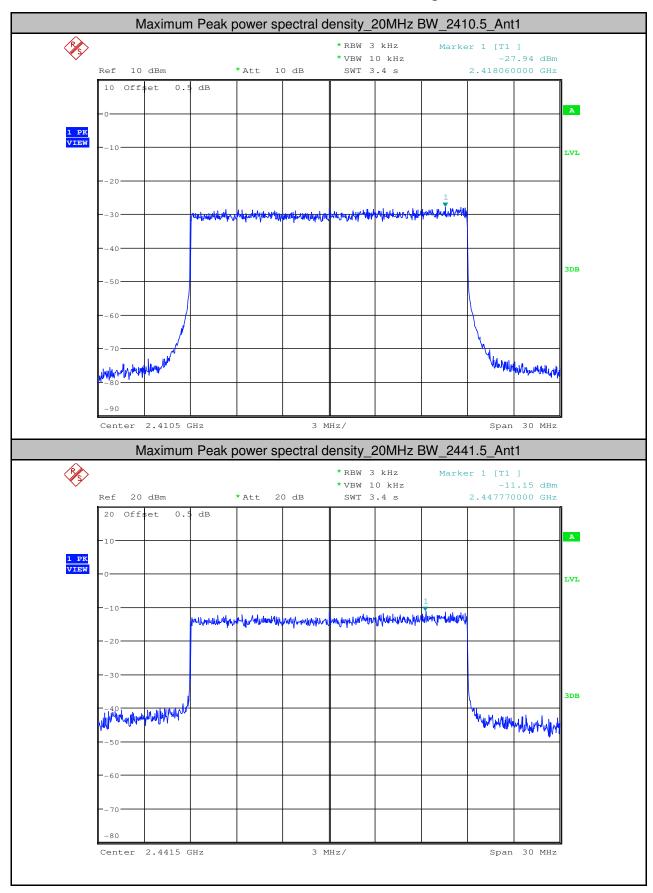


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Report No.: SZEM180500417902

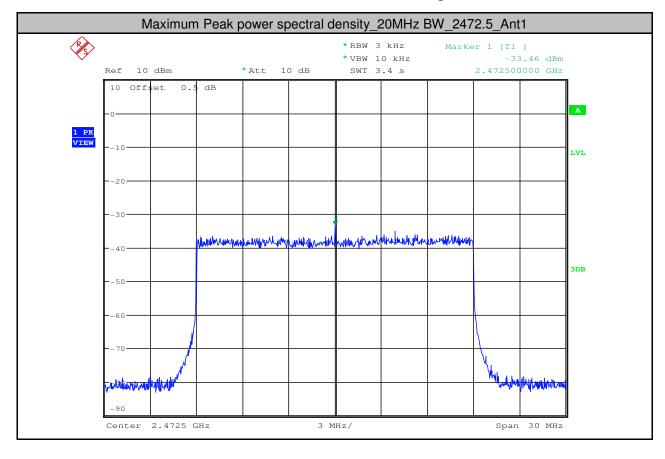
Page: 185 of 202





Report No.: SZEM180500417902

Page: 186 of 202

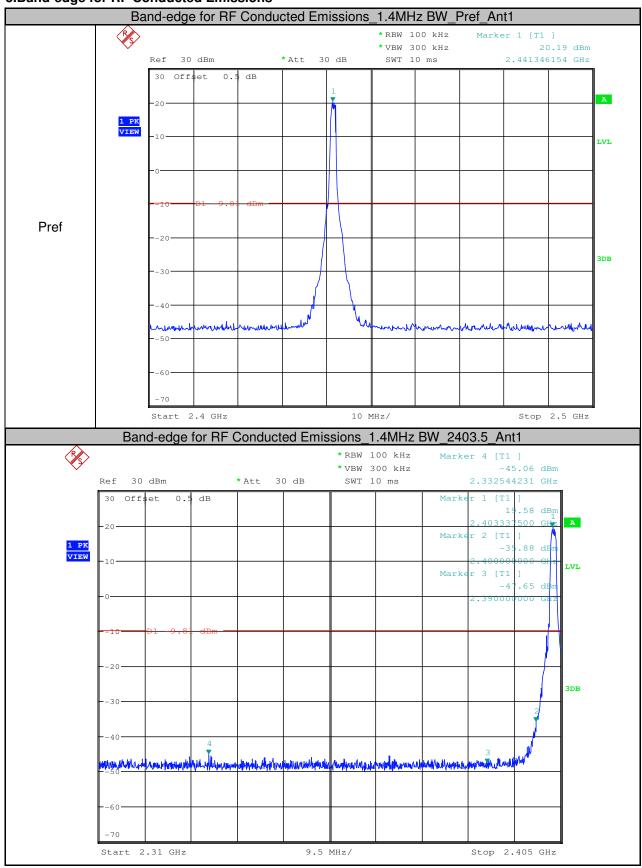




Report No.: SZEM180500417902

Page: 187 of 202

5.Band-edge for RF Conducted Emissions

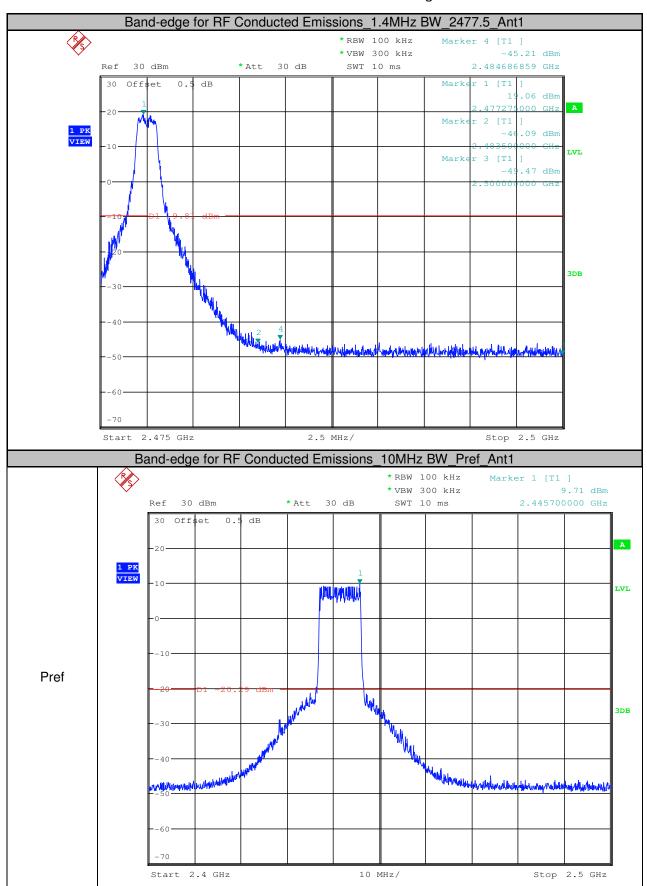


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Report No.: SZEM180500417902

Page: 188 of 202

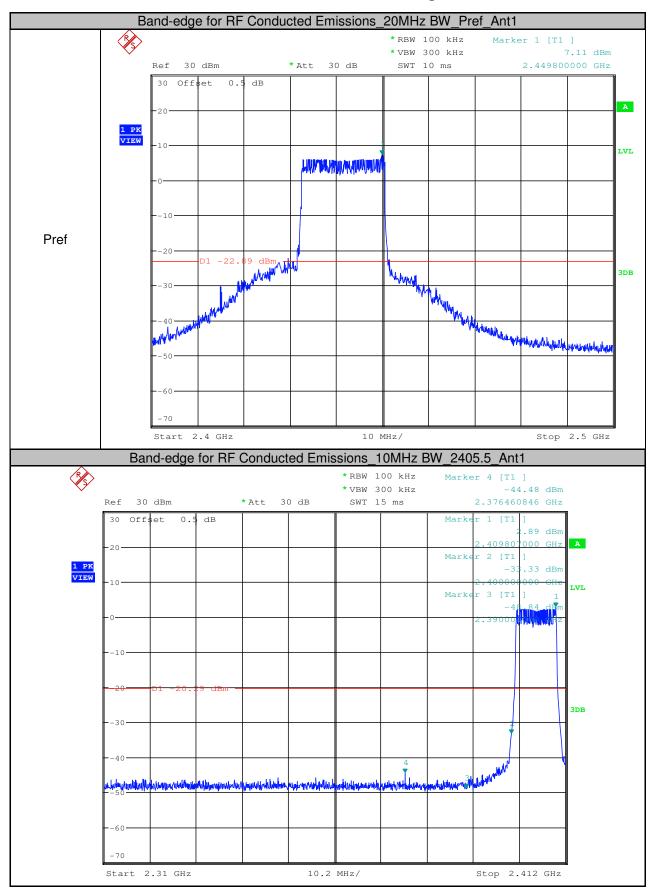


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Report No.: SZEM180500417902

Page: 189 of 202

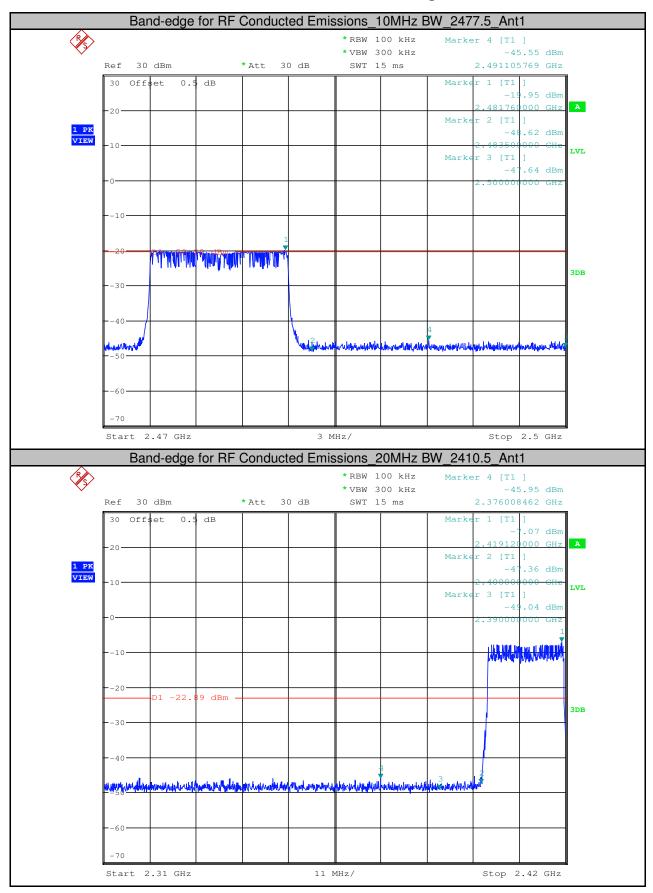


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Report No.: SZEM180500417902

Page: 190 of 202

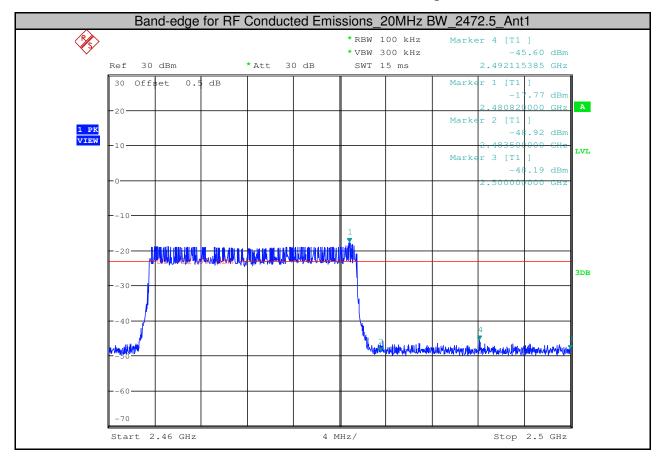


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Report No.: SZEM180500417902

Page: 191 of 202

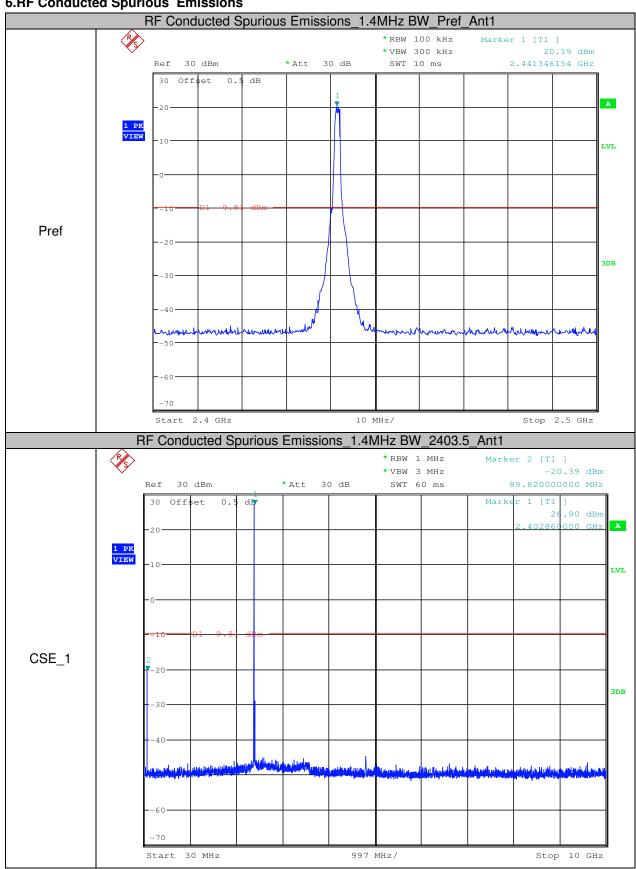




Report No.: SZEM180500417902

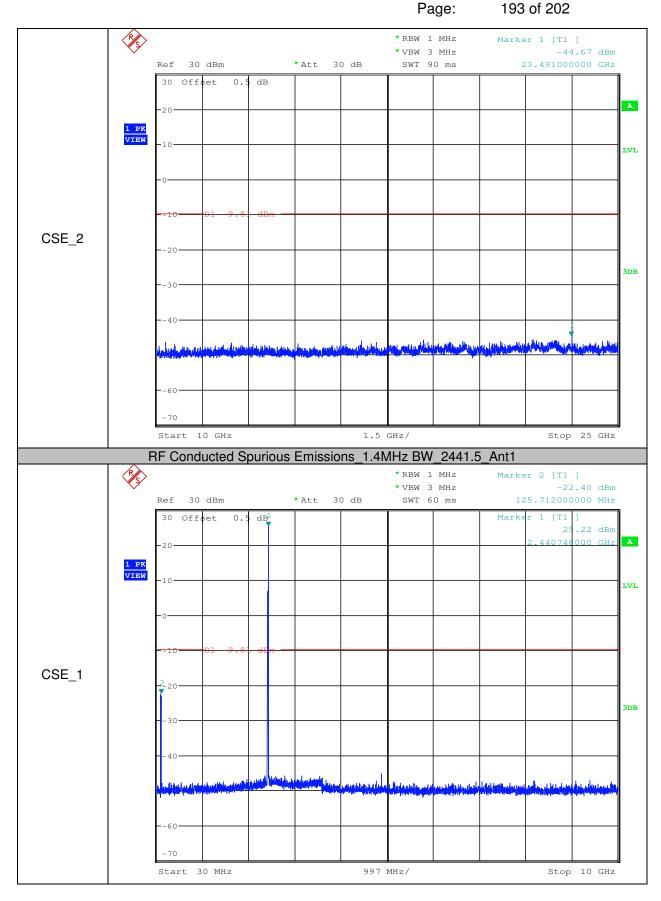
192 of 202 Page:

6.RF Conducted Spurious Emissions

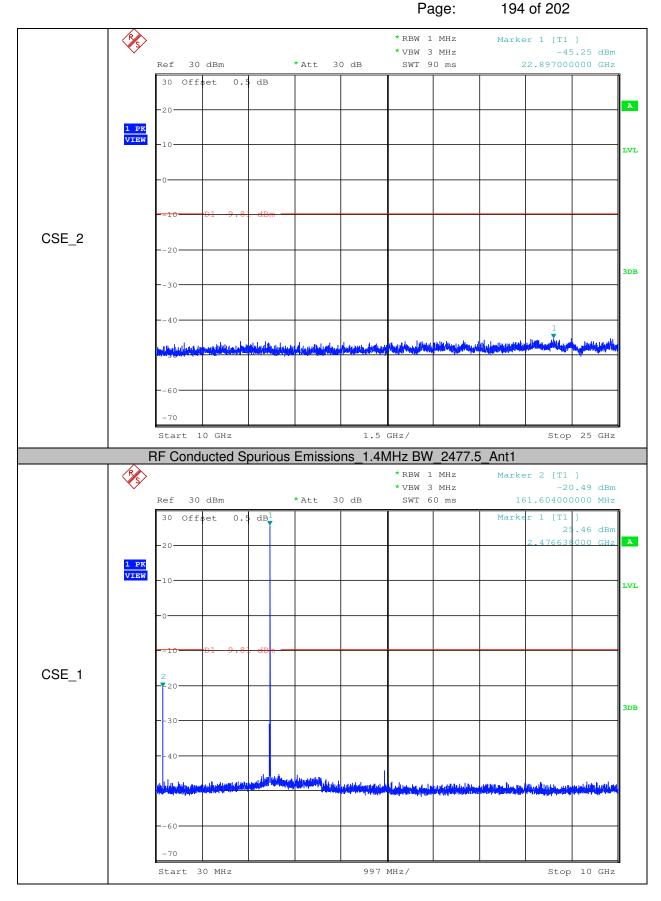


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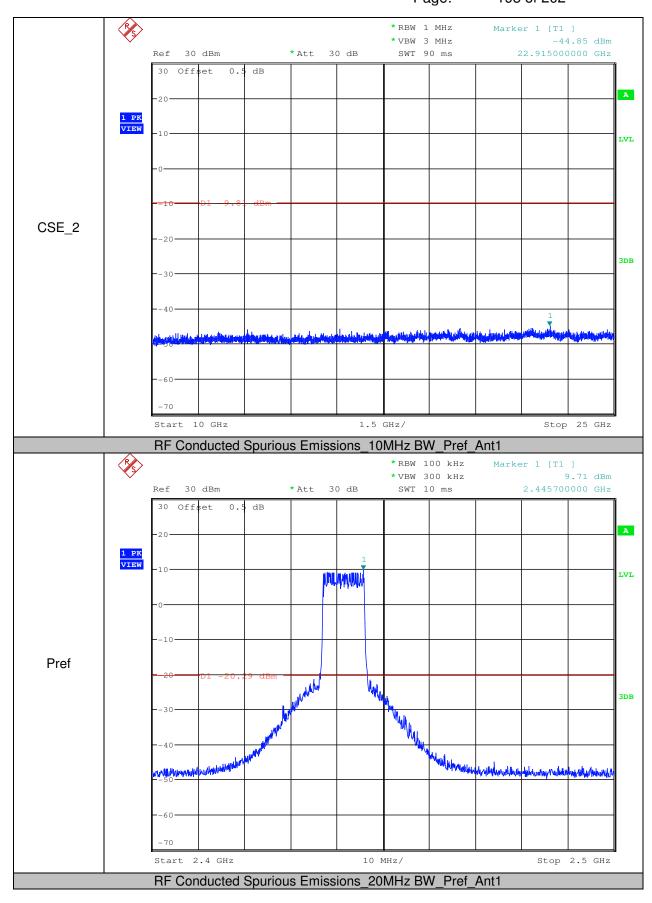








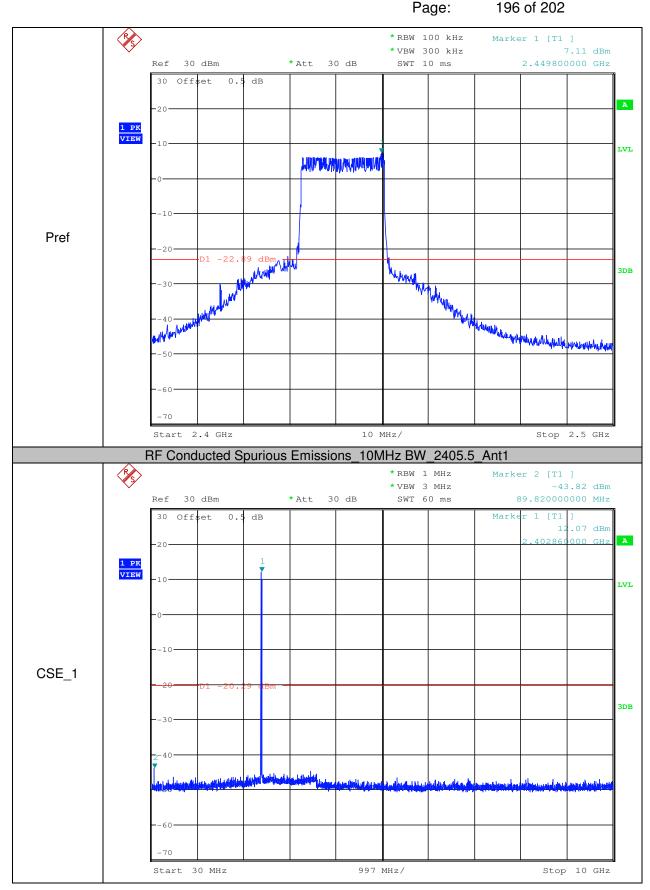
Report No.: SZEM180500417902 Page: 195 of 202



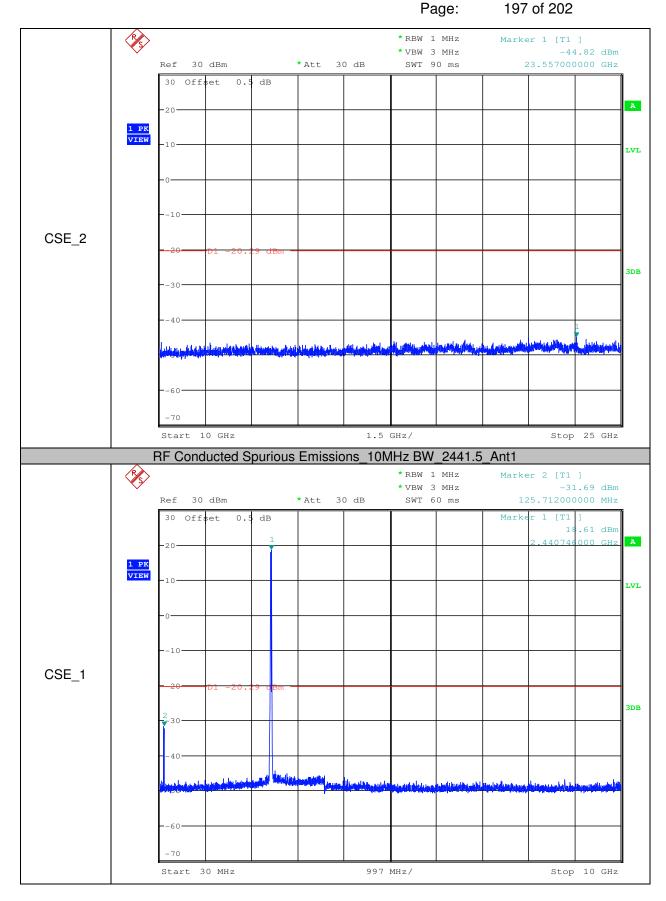
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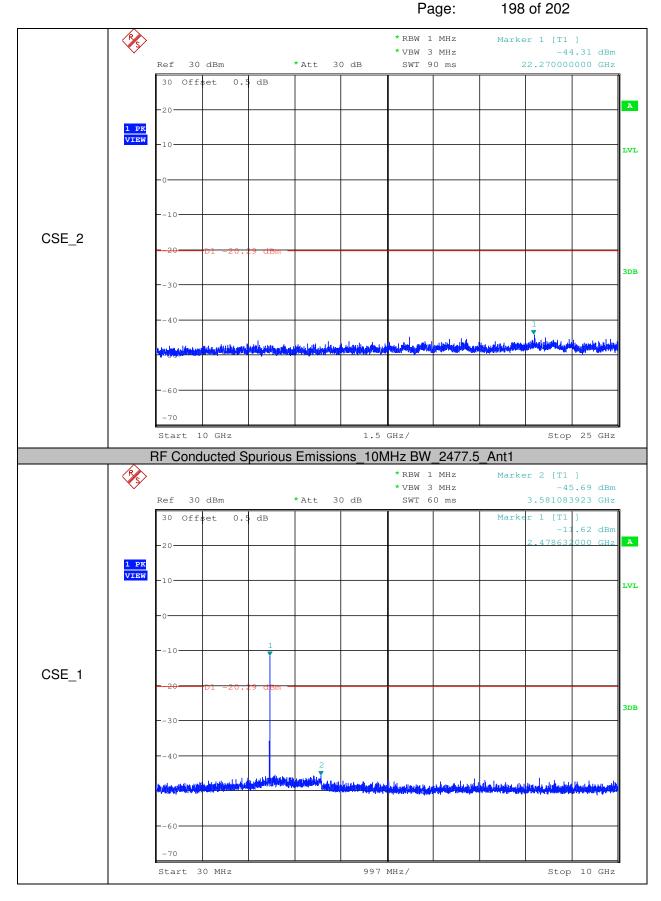
Report No.: SZEM180500417902 Page: 196 of 202



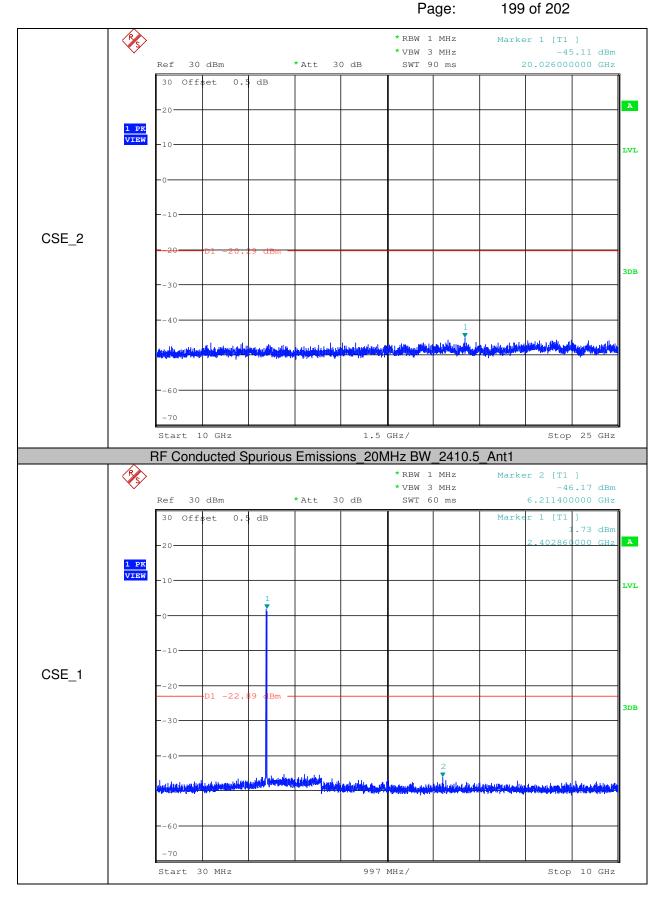






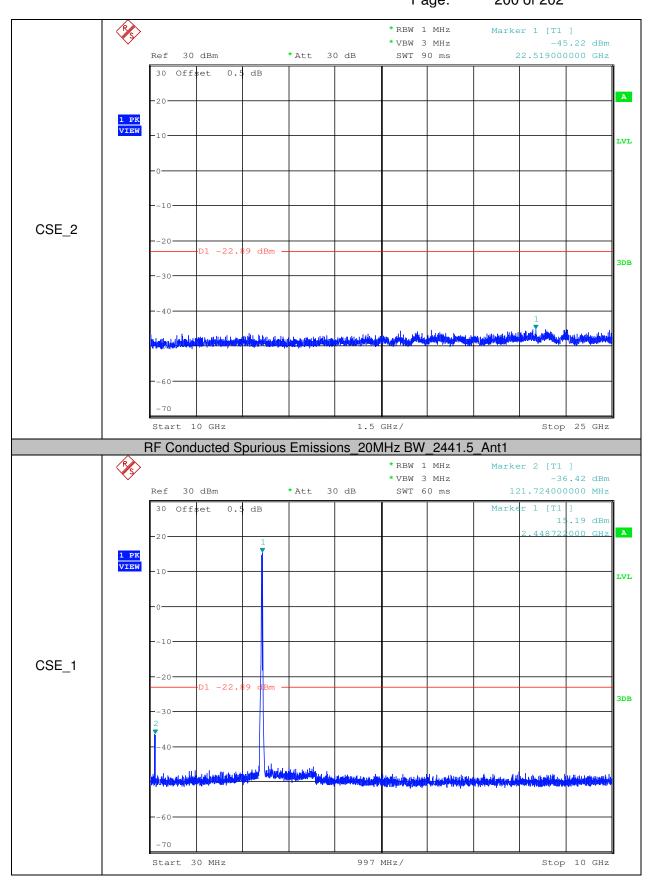




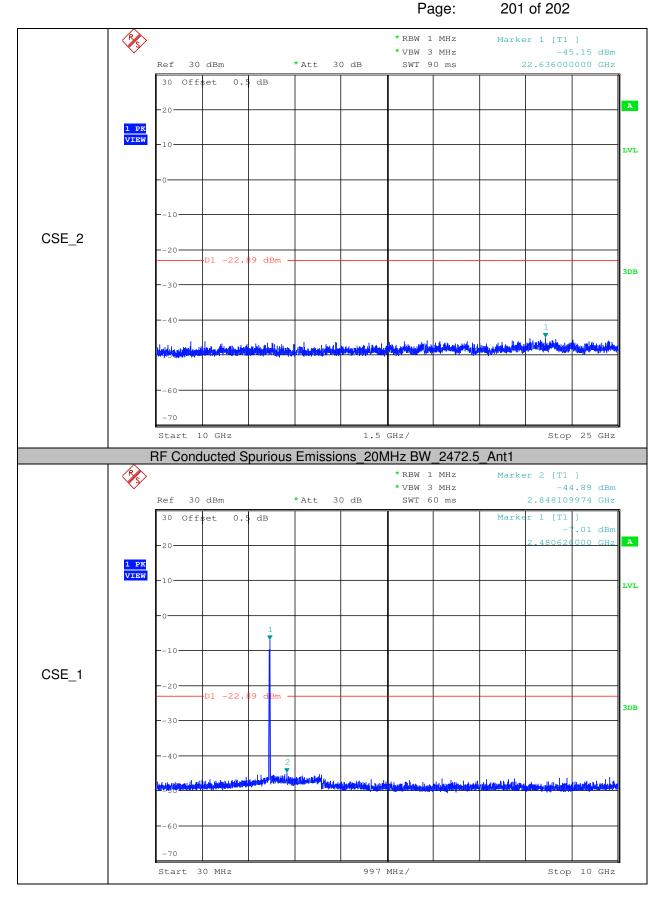




Report No.: SZEM180500417902 Page: 200 of 202



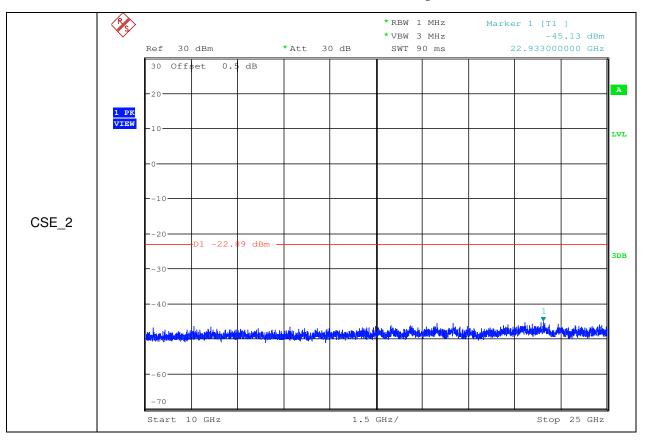






Report No.: SZEM180500417902

Page: 202 of 202



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